

A Complete Bibliography of Publications in *SIAM Journal on Mathematical Analysis* for 2010–2019

Nelson H. F. Beebe
University of Utah
Department of Mathematics, 110 LCB
155 S 1400 E RM 233
Salt Lake City, UT 84112-0090
USA

Tel: +1 801 581 5254
FAX: +1 801 581 4148

E-mail: beebe@math.utah.edu, beebe@acm.org,
beebe@computer.org (Internet)
WWW URL: <http://www.math.utah.edu/~beebe/>

13 March 2018
Version 2.15

Title word cross-reference

(1 + 3) [CCLM15]. (1 + 4) [LMTT15].
($N - 1$) [Tan15]. (t, x) [BT12]. $-x \cdot y$
[Che15]. 1 [CSW15, CN15, GM10, GMM13,
JWX13, Per10, Sug16, WX11]. 2
[AHKM15, BM12b, CWY14, FY13a, Kim09,
Kim13, LWY18, LW14b, SWZ15, WWX15,
YZZ10, ZT17]. $2n/(n + 2)$ [CLW12]. 3
[BYH15, CW16, CS10b, CHS13a, FT17,
FQ11, GL12, Kha13, KLL12, Lau10, LXZ13,
LWY18, MZZ12, PR13]. $A = B = C = 1$
[XYZ16]. α^2 [GLT10]. BV [FF12]. $C^{1,\alpha}$
[Che15]. C^2 [GL12]. C^∞ [LWZ16]. C^ω
[LWZ16]. D^2 [GM10]. $\dot{B}_{2,1}^{5/2}$ [MOR⁺16]. $\dot{H}^{3/2}$
[MOR⁺16]. $\dot{H}^{5/2}$ [MOR⁺16]. \dot{H}^s
[HF13, Mur14]. G [XY14]. Γ

[DFP14a, DFP14b, JS14, AZ12, Moa11,
SZ12b, PSV10]. H [BRS17]. $H^m(\mathbf{R}^3)$
[DS14]. $H^s(\mathbf{T}^n)$ [Wan13]. H_{c_1} [Pen17]. κ
[DWZ10]. L^1 [CNSS17, EJ14]. L^2
[KM17, KPR15]. $L^2(\mathbf{R}^d)$ [BJLO17]. L^3
[JS13a]. L^∞ [Ohn14, Ohn16, DT15, FHK11].
 L^p [ZF12, vNVW12]. L_2 [HNSW11]. $L_2(\mathbf{R}^n)$
[HR12]. L_∞ [HNSW11]. L_p [MP12]. \mathbf{R}^2
[HKT18]. \mathbf{R}^3 [Dai17, FPZ14]. \mathbf{R}^N
[BC14, FQ16]. \mathbf{S}^1 [GMM13]. N
[Miz11, Tan15, YZ16, HMW11, Rei18]. p
[BFDJ13, GT16, Mei10, MRS16, SZ12a].
 $p(x)$ [BGL16]. $P^\top P$ [GS17]. Q [ADL14,
BCS15, CRWX16, Dai17, GGRB14, PZ11].
 R [LWX11]. R^3 [Wan12]. R^N [Moa11]. s
[BV10]. S^2 [GM10]. V [dlHHMV16]. φ
[Tak13]. $W^{1,1}$ [BKK18]. W_2^1 [Kry10].

-Body [CCLM15, Rei18, YZ16]. **-Bounds** [Mur14]. **-Convergence** [PSV10, AZ12, BRS17, DFP14a, DFP14b, Moa11]. **-D** [CN15, CHS13a, FY13a, FQ11, Kha13, MZZ12, Per10, SWZ15]. **-Dimensional** [HMW11, LWY18, ZT17, LMTT15, Tan15]. **-Dynamo** [GLT10]. **-Equation** [XY14]. **-Estimates** [MP12]. **-Exponential** [Tak13]. **-Harmonic** [GM10, GMM13]. **-Initial** [JS13a]. **-Laplace** [GT16]. **-Laplacian** [MRS16, SZ12a]. **-Laplacian-like** [BGL16]. **-Limit** [SZ12b]. **-Limits** [JS14]. **-Points** [BV10]. **-Regularity** [vNVW12]. **-Schrödinger** [BFDJ13]. **-Soliton** [Miz11]. **-Solutions** [KPR15]. **-Stability** [Ohn14, Ohn16]. **-States** [dlHHMV16]. **-System** [Mei10]. **-Tensor** [BCS15, CRWX16, GGRB14, PZ11, ADL14, Dai17].

. [GS17].

1 [Val15].

ABC [XYZ16]. **Absence** [Daf14, LvR15]. **Absorbing** [AKKL17]. **Absorption** [EP12, GM15, Kal12, LS12a]. **Abstract** [HS10c]. **Accelerated** [GK10, Hal12, HS14]. **Accelerating** [Gar11]. **Account** [EW18]. **Accuracy** [Che14]. **Acoustic** [AZ17, CM14, GLZ17, IN13, NUW11, Ngu13, Spe14]. **Acoustic-Elastic** [GLZ17]. **Acoustical** [BV10]. **Acousto** [CS17]. **Acousto-Optic** [CS17]. **Acting** [CNR17]. **Action** [AHP13b, Pan12b]. **Active** [GPPP13, Gli13, HKK13]. **Addendum** [BA12, CK13]. **Additional** [LT11]. **Adhesion** [DGVBW10]. **Adhesive** [Rou13]. **Adjoint** [BC11, Sen17]. **Admissible** [HR15]. **Advection** [AKKL17, EF15, Fis13, Lam12, ASS16]. **Advection-Diffusion** [EF15]. **Advection-Driven** [Fis13]. **Affine** [AMW10]. **Aggregation** [BGL12, BGLV16, CKY13, Don11, Kai17].

Aharonov [AF16]. **Airy** [GHH17]. **Alfvén** [RZ17]. **Algebraic** [Bra16, LW12, MP16]. **Algebraically** [vBM14]. **Algebro** [HGW14, HZFQ13]. **Algebro-geometric** [HGW14, HZFQ13]. **Algorithms** [BCD⁺11, YMYC10]. **Allen** [MT16, AAD13, ABBK16, MT15, Tan15]. **Almost** [AMW10, CL17, KZ11, MO14, NPS13, Oh15]. **Along** [HHR17, PPPV16]. **Alpert** [GI15, GIV17]. **Ambrosio** [FI14, FL17]. **Among** [BLS15, Bét16]. **Ampère** [DF13, LR17]. **Amphiphilic** [DP15]. **Amplitude** [RZ16, Whe13]. **Analysis** [ALS15, AAK14, ADK15, AH16, ÁCDP14, AV16, AZ12, ADHZ15, BC17a, BMSR⁺13, BTZ15, Bos16, BP12b, BP14b, BPZ17, BL15, Cal15, CF11, CL13a, CDM13, CDR17, CV12, DSX17, ES10, EP12, FGN13, FI14, FFGHR17, FHX10, GLZ17, GI15, Gro10, HO15, IISD15, JS13b, JMZ18, Lei13, LJ17, MR15, NS13, Pra13, Rey12, WNRJ13, WK17]. **Analytic** [HS13]. **Analytical** [CS14a, CT14, LM14, LX17c]. **Analyticity** [EMZ17, Hen10, MPN14]. **Anderson** [BFK16]. **Angelesco** [GIV17]. **Angle** [AAD13]. **Anisotropic** [AC14, BAC12, CGM16, CM11, De 18, EW15a, FHMP16, HMN14, KLS15, LV12, MRV12, TZ15, Zha14]. **Annuli** [AKKY17]. **Anomalous** [AKKY17, LL16b, Ngu17, Rey12]. **Antiplane** [HO15]. **Any** [CK12]. **Anyon** [AN15]. **Appearing** [Kia16]. **Application** [AHP13a, ACZ14, AV16, BFV17, FL15, GP14, HZ10, LN10, MM18, MS13a, MR15, PT11, BOS17]. **Applications** [BS16b, BSW16, BMC18, BDWZ12, CLW17, CD11, EW15a, EMZ17, FK13, HMS14, HS16, Ign10, IT15, Kol11, KMS15, LMR15, RTY16, vBM14]. **Applied** [ABGS10, AC14, DWZ10]. **Approach** [ALS15, AH18, AMP10, BP12a, BBS11, CCLCP13, CWE10, CS14a, CN15, DNS12,

FG15, GPPP13, Gie14, LS17, MT13, MOS14, MSTY16, MZ13]. **Approaching** [LTW14]. **Approximate** [NV12, Ngu13, dHGR14]. **Approximating** [CDZ13]. **Approximation** [AF15, AM15, And12, AP14, BFGPE⁺12, Beb16, BM10, BB10a, BFG⁺13, BLS15, BPW15, CMP13, Che14, CM12, CL13b, CT14, DS10a, DKS16, FL17, FHK13, Gie14, GR13b, HNW10, HNSW11, HS13, JLX15, LS13c, MZZ12, PSSW15, WU14a, YMYC10]. **Approximations** [BHXY12, CT11, Hal12, Hal13, KLL12, LSW17, ZCO16]. **Aquatic** [HKK17]. **Arbitrary** [LS13a, Ngu17]. **Arc** [And12]. **Area** [CL13b, Dai10, GL15, SSST15]. **Area-Preserving** [Dai10]. **Area-Type** [SSST15]. **Arguments** [DLZ15]. **Arise** [GLS10]. **Arising** [BG17, CGP13, DFT17, DH10, ERV17, JLX15, NOS12, PPPV16, Rou13, TW18b]. **Artifacts** [Ngu15]. **Artificial** [MMP13]. **Assisted** [LJ17]. **Associated** [Bar14, BC11]. **Assumption** [AP15]. **Assumptions** [Kry13]. **Asymmetric** [BWW14, RW14]. **Asymptotic** [ADK15, AIK10, AZ12, BT16, BC17a, BFG⁺13, BDT12, BP12b, Bre13, Can10a, Can10b, CFRT10, CDLLSG13, CF11, CH11a, CDK11, CEQW16, Cui13, DS14, DS13, DSX17, Duc10, DIT15, DM14, DGVBW10, EP12, FI14, FFGHR17, DFHM14, GM17b, Ghi13, GMT16, GW13, GH12, HMWY11, IKM17, JLL13, Mae17, MPR10, MY12, Mei10, MR15, Ngu10, NOS12, Ohn15, Pol17, Pra13, Rei18, ST11, UWK12, WFL12, WK17, XY14, Yam13, YZZ10, YZ15, Yos17, Yos18, Yam16]. **Asymptotically** [MW17]. **Asymptotics** [AP11, BC17b, CK11, CK13, CG10a, Dan17, DF10, ET16, Gna15, HY14, Len16, Per10, PY14, TZ13, dMIS10]. **Atmospheres** [HCHY16]. **Atoms** [CS18]. **Attachment** [GLL17, MS13b]. **Attachment-Detachment-Limited** [GLL17]. **Attachment-Limited** [MS13b]. **Attenuated** [Mon16, ST15a]. **Attenuation** [ILW16]. **Attraction** [DFHM14, KK10]. **Attractive** [CDNP16, GLW17, Kai17]. **Attractor** [YCW10]. **Attractors** [DN12, GGAS14, Pim16, ZK15]. **Aubry** [CGT11, DZ14]. **Austenite** [Bev11]. **Autocatalytic** [LW12]. **Autonomous** [BBG16]. **Average** [LS13c]. **Average-Distance** [LS13c]. **Averaging** [BP10, Cer11, CL17, FS14]. **Axis** [Moo16, ZCO15]. **Axisymmetric** [CS14c, Kai10, LS13b, XZL10].

B [FZ16, LZ18, SX13]. **B-Spline** [SX13]. **B.C.** [LT11]. **Background** [Dua11]. **Backscatter** [HHR09, HHR11]. **Backscattering** [BFRV13]. **Backward** [BST17b, ST10, Ter11, YFK11]. **Balance** [CT11, Daf14]. **Balanced** [DFT17]. **Banach** [AG17, FWW17]. **Band** [FW18]. **Bandlimited** [Lit13]. **Barotropic** [DD16, LZZ15]. **Barrier** [GHH17, LS15]. **Barycenters** [AC11]. **Based** [ALM10, DSX17, HU13, Hel12, NN12, TW11b, XYD18]. **Bases** [BJLO17, HR12]. **Basic** [Val15]. **Basis** [BCD⁺11, GI15]. **Bath** [BCL11]. **Beams** [DFP14a, DFP14b]. **Becker** [MP16]. **Behavior** [ADHZ15, BT16, BDT12, Bre13, Can10a, Can10b, CDLLSG13, CTW17, CH11a, Cho16, CG11, CDK11, CEQW16, Daf13, DS14, DS13, DM14, DFHM14, GW13, Hel12, HMW11, HMWY12, IS13, LvR15, LMW17, MY12, QW11, Rei18, ST10, TW15, Ter11, WFL12, Wu14b, YZZ10, YZ15, Yos17, Yos18]. **Behaviors** [JWX13, LYZ16, Tak13]. **Bellman** [IS13, Zho15]. **Below** [BV13, KM17]. **Belt** [BHM17]. **Benamou** [BBS11]. **Bending** [CKZ17, XY14]. **Benjamin** [Oh10, Wu16, Wu17]. **Besov** [Tak10, XXK13]. **Best** [Mei10, TZ15]. **Between** [CS18, CC11, CM13, Wei12]. **Beyond** [AHP13a]. **BGK** [Yun15]. **Bianisotropic** [IKS12]. **Biaxial** [MN16].

Bifurcation

[CCM12, CO12, CCLM15, DVW15, FHO16, GH10, HD17, LS13b, Lóp12]. **Bifurcations** [BL14]. **Bilayer** [DHPW14, HD17]. **Binary** [BOS11, GM17c, Wan11]. **Biology** [HLGMMM14]. **Bioluminescence** [BCS16].

Bipolar [HMW11, HMWY12, WFL12].

Bistable [HMSZ13, TV18]. **Black** [ILR17].

Blasius [CT14]. **Bloch** [GH18]. **Block** [LWZ16]. **Block-Diagonalization** [LWZ16].

Blow

[BK13, BH17, HJ11, LMR13, Rey12, VW11].

Blow-Down [VW11]. **Blow-Up**

[BK13, BH17, HJ11, LMR13]. **Blowflies**

[LLLM14]. **Blowing** [MOR⁺16].

Blowing-Up [MOR⁺16]. **Blowup**

[BGL12, CDW13, GM10]. **Bluetongue**

[GRT14]. **BMO** [DK11]. **Bodies**

[CJP13, Ces11, DKN11, MR15, Rou13].

Body

[ADMR14, BL11, BL14, CS15b, CCLM15, GS12b, KM13, NT13, Rei18, SR14, YZ16].

Bohm [AF16]. **Bohr** [AF17]. **Boltzmann**

[Li11, ABCL18, AN15, BCG10, BCL11,

Che18, CMWY16, DJMZ16, DY10, Dua11,

DL15b, HX14, HY14, HWY13, Jia12,

JX15, KY12a, Li09, LYZ16, Str10, SY14,

TAGP18, Wan11, WW15, Wu14b]. **Born**

[BFGPE⁺12, CP13, MP14]. **Bose**

[BIP16, BAC12, GM17c, GLW17, LLP16].

Bottlenecks [LMP11]. **Bound**

[AKKL17, BV13, FY13a, Wal14].

Boundaries [AT10, DLZ15, FKN⁺14,

GS15a, JH18, KR10, Ves15]. **Boundary**

[ADL14, ABL13, AI12, ADMR14, AGS13,

AS13, AVP16, BMMP16, BOS17, BBT14,

BKLU18, BSW16, BPS16, Beb16, BMY16,

BdHQ13, BdHFS16, Ber12a, BBG12,

BGLV16, BM12b, BK15b, BNDHV10,

BKP13, BP12b, CDN10, CDLLSG13,

CDZ13, Che15, CH15, CKS15, CGS17,

CN15, CHS13a, Cui13, DWY12, DSV15,

DL10, DMZ14, Ell12, ERV17, EHM16, FT17,

FPVR13, GVWK16, GR13a, GP14, GW13,

GX17, HK15, Hof12, HL15, HMWY12, IY12,

JT13, KLO10, KT11, KMS15, KLS11,

LL16a, Lee17, Len16, LX17a, LMZZ17,

LMZZ18, LT11, LW14b, Mel12, MMP13,

MT15, MT16, MB16, Nes14, Ngu10, NS13,

NP16, NOS12, Ohn15, Otw10, PPP13,

Pra13, RTV17, Sal12, SZ12a, SM16, Sin10,

TW18a, Ves15, WXY15b, WNRJ13,

dHHI⁺14, vBW11, DL13]. **Bounded**

[BPS16, BC17a, BNDHV10, CEIV17, EJ14,

GG10, HX10, Kai17, KMS15]. **Bounding**

[HNW10]. **Bounds** [AHP13a, BOS11, CT14,

HS10c, MOR⁺16, Mur14, Spe14].

Boussinesq [DKS16, EW15a, JMWZ14,

LPS13, MSZ13, SWX17, TZ18]. **Branched**

[BBS11, COS16]. **Branching** [Cav12].

Bravais [Bét16]. **Breaking**

[BFN⁺13, CFGL17, HD17, HT18, LPS10].

Brenier [Bon13, BBS11, CGS10]. **Bresse**

[MM17]. **Bridging** [BLZ16]. **Brittle**

[BLZ16]. **Brownian**

[GGAS14, KUV16, LSW17]. **BSDEs**

[BEH15]. **Bubble** [CTW13, SW11b, YT11].

Bubbles [RW14]. **Bubbly** [AZ17]. **Bulk**

[ALS15, ERV17, FKM⁺16, KUV16].

Bulk-Surface [ALS15, ERV17, FKM⁺16].

Bundles [FGW13]. **Burgers** [AIK10,

BP12a, BN14, BGN14, HI12, MZ13, ST15b].

BV [BBG16, CD11, Daf14, GY16b].

BV-Regularity [GY16b].

Cahn [MT16, AAD13, ABK12, ABBK16,

BBMN12, CGS17, DG11, DHPW14, KNR12,

MT15, OW14, SP13, Tan15, XZL10].

Calculus [MZ13]. **Calderón**

[HPS12, KT13, KLO10]. **Camassa**

[CFGL17, DIT15, GL17, LZ17, Tan18,

dMIS10]. **Can** [EW18]. **Canards** [VW15b].

Cancer [SSW14]. **Cap** [BFM12].

Capillarity

[BC17c, Can10a, Can10b, CH13, Gie14].

Capillarity-Viscosity [CH13]. **Capillary**

[CP12, Hen10, MZZ12]. **Capillary-Gravity**

[Hen10, MZZ12]. **Car** [GM14, LMP11].

Car-Following [GM14]. **Carcinogenesis** [GP14]. **Carrier** [CDM13, CStW17]. **Cascade** [Lei16, MS14]. **Case** [ACM⁺12, BDEM18, BG14, Ber12a, Bes16, CL17, DP14, GIP⁺13, HL15, JT13, NN12, RR13]. **Cases** [Kai10]. **Catastrophes** [Pao16]. **Cauchy** [AT14, AN15, DLZ12b, DLZ12a, HKT18, ILR17, LS12b, MY12, SWX17, Yos17, Yos18]. **Cavities** [CCH10, CJP13, CH11b, MC14]. **Cavity** [BYZ12, Lei10]. **Cell** [DGVBW10, EW18, GJMC12, JMN11, NRS17, SSW14]. **Cells** [Gh13, GP14, ST11]. **Centennial** [Naz12]. **Center** [NRS17, VF13, VF15]. **Centered** [ZH10]. **Central** [BL11, Moo16]. **Certain** [KZ11, LT17]. **CFIE** [CM14]. **CGO** [KS14]. **Chain** [CD11, PWW17]. **Chains** [DP14, HR10]. **Change** [Mit10, NV12]. **Channel** [GJZ15, NT13]. **Chaos** [HS13, YFK11]. **Chaotic** [Bes12]. **Chaplygin** [CQ12]. **Chapman** [GSW16]. **Character** [Igb17]. **Characterization** [BGL12, Bra16, Lei10, MPR10, ST15a]. **Characterizing** [Kar12]. **Charge** [CCM14, CDM13, Sab13]. **Charge-Carrier** [CDM13]. **Charged** [BKR16, Bos12, BPZ17, WLT16]. **Cheap** [MM11]. **Cheeger** [BFLS12]. **Chemical** [DFT17, GLS10, JMN11, LW12, NT14]. **Chemically** [BP14b, BPZ17]. **Chemostats** [CHK15]. **Chemotactic** [AKKL17]. **Chemotaxis** [Fis13, GN15, KK17a, NT14, TW11a, TW15, WWW12, Win15, ZZ14]. **Chemotaxis-Haptotaxis** [TW11a, TW15]. **Chemotaxis-Navier** [ZZ14]. **Circle** [DL15a, JT13, Pim16, Sim16]. **Circular** [YT11]. **Circularly** [LW14b]. **Clark** [CLW17]. **Class** [AT10, BST17b, BDT12, BKP13, Cal15, FZ16, GLS10, HMS14, HS16, HMN14, HHPZ17, Kar12, KZ11, LWX16, LT17, MPR10, MQS12, Mar10, Pas13, SP13, ST10]. **Classes** [BL14, De 18, LR15b, WZ17]. **Classical** [CC11, Cho16, DWYZ12, DLZ12a, HKN16, LXZ13, MP13, WZ13b, Xu11, YY10, Zhu15]. **Clausius** [Alm17]. **Climate** [ABR17]. **Cloak** [Ngu17]. **Cloaking** [AKKY17, NV12, Ngu13, Ngu17]. **Close** [LX17a, Che15]. **Closed** [DFP14b, EW15b, MJ14]. **Closure** [JS14]. **Cnoidal** [ETZ13]. **Coagulation** [CMM10, DF10, LvR15, Sri11]. **Coagulation-Fragmentation** [DF10, LvR15]. **Coarsening** [BOS11, MS13b]. **Coating** [BC11]. **Coefficient** [AL10, DV10, EP12, LT11, RZ16, WZ16, ZF10]. **Coefficients** [AB10, AC14, ACZ14, Beb16, BCD⁺17a, BC17c, CDL16, CMM10, DO16, DK11, DK14, GH10, HKOP10, ILN11, ILW16, JK10, JLL10, Kia16, Kry10, Kry14, LYZZ14, RZ11, Sus13, Zho15]. **Coercivity** [Zha10]. **Coherent** [Ilm16]. **Cold** [Otw10]. **Collections** [Dai10]. **Collision** [FPTT12, Jia12, MR15]. **Collisionless** [NS13, Sch14a, Sch17]. **Collisions** [HY14]. **Column** [CCC⁺17]. **Combined** [Mel12]. **Combining** [KK16]. **Combustion** [Lai14]. **Coming** [CMM13]. **Commutability** [JS14]. **Commutative** [MNS11]. **Commutator** [Tak10]. **Compact** [BLS15, CCLCP13, CC11, Lau10, Syl12, Tan15]. **Compactly** [HMZ15, KLL12, WU14a]. **Compactness** [BPS16, CL13a, FZ14, FL15, IISD15]. **Comparison** [RTZ17]. **Compensated** [ZCO15, ZCO16]. **Competition** [ABR17, LMS16, LTW14]. **Competitive** [DP15, FGW13]. **Competitive-Cooperative** [FGW13]. **Complete** [WK17]. **Completely** [LA14]. **Completeness** [Pan12a]. **Complex** [AC14, AH16, CDW13, DFT17, GHH17, HMZ15, LTV17, ST15b]. **Complex-Valued** [LTV17]. **Compliance** [CLLS17]. **Component** [Ber12a, CFGL17, IT15]. **Components** [QS12]. **Composite** [ABL13, DFP14a, DFP14b]. **Composites**

[BLZ16, Bel10, Bel17]. **Compressed** [Bar14, BCO17, BDWZ12]. **Compressible** [Bre13, CPZ17, Che12, Che14, CTW13, CHS13a, CWYZ16, DF11, DWYZ12, DLZ12b, Evj13a, FGN12, FPZ14, GT10, GJZ15, Hof12, HKT18, HHPZ17, HW17, HW13a, HW13b, HLX11, HLW12, JTW16, JK10, JLL10, JLX15, JWX13, JLL13, Jün10, Kot12, Kwe12, KK17b, LXZ13, LZZ15, LMW17, LLW15, LYZZ14, LW14b, LZ18, MPZ15, NP11, PWG11, Per10, QW11, SS15, SW11b, Smi17, TYZZ13, TY11, VW15a, VY16, WX11, WFL12, WXY15a, WY15, WXY15b, WZ13b, WZ17, WK17, Xu11, ZF10, Zhu15]. **Compressive** [KNW15]. **Computable** [Lee10]. **Computer** [LJ17]. **Computing** [BC11]. **Concavity** [SR14]. **Concentrated** [BM18, CCNP17]. **Concentration** [DR13, PPPV16]. **Concept** [ACZ14]. **Condensate** [BAC12]. **Condensates** [GM17c, GLW17]. **Condensation** [BIP16, LLP16, LS12a]. **Condensation/Evaporation** [LS12a]. **Condition** [CDLLSG13, CDZ13, CLW17, CGS17, GW13, Kim09, Sin10, TZ15, dCPS16, Kim13]. **Conditional** [BdHFS16, LZ18]. **Conditions** [AAD13, AS13, BMMP16, BPS16, BK15b, BNDHV10, BKP13, CN15, Ell12, EHM16, FT17, FY13b, FPVR13, GR13a, HS10a, HK15, Hof12, Lee10, LL12, LS18, MMP13, MT15, MT16, MB16, PPP13, SM16, WXY15b, vBW11]. **Conducting** [Alm17, BPZ17, MNT13, MPZ15, NP11, WZ13b]. **Conductive** [AH13]. **Conductivities** [GIP⁺13, LTV17]. **Conductivity** [AHP13b, AGS13, DV10, HMN14, ILW16, LTV17, LX17a, MNT13, Ped15]. **Conduit** [EW15b]. **Cone** [AT14]. **Cone-Like** [AT14]. **Cones** [FWW17, Lee16]. **Configurations** [BL11, Car14, HSV17, HO15, dLSZ17]. **Confined** [CCM14]. **Confinement** [AMV15, BAC12, HK10, MPS17]. **Conformal** [BK15a, HMN14, KLO10]. **Conformally** [CCFdL14, dHHI⁺14]. **Conical** [Moo16, MO14]. **Conjecture** [MW17, YZ16]. **Connected** [BLS15, dlHHMV16]. **Connecting** [vdBMJLM11]. **Connection** [Igb12]. **Conservation** [CW13, CD11, Daf13, DWY12, HLGMMM14, Jun14, KMS15, MS13a, MY12, Yos17, Yos18]. **Conservative** [Ell12, LPR12, LZ17]. **Conserved** [Daf14]. **Conserving** [ABBK16]. **Consistency** [Bar14, OR17]. **Consistent** [AHP13a, CH11a, RR15]. **Constant** [AFT15, BCDG16, CMM10, HNW10, HKOP10, KPR15, Zho15, vBW11]. **Constituted** [BGMŚG12]. **Constitutive** [Chu14]. **Constrained** [Koc16, MN16]. **Constraint** [Ber17]. **Constraints** [AF15, AP14, CL13b, LW15]. **Construction** [LM14, MPZ15, WU14a]. **Constructive** [PD17]. **Contact** [BS16b, HMS14, Rou13, VW15a, WX11, WY15, ZT17]. **Contacts** [Pao16]. **Container** [GR13a]. **Containing** [DLZ12a]. **Continua** [HWZ12]. **Continuation** [CGS10, LN10]. **Continuity** [BCDG16, CNSS17, MS11]. **Continuous** [AG17, ACJ12, DF10, GJMC12, Ohn14, TZ18]. **Continuum** [AG16, BCS15, CEH14, GLL17, HD17, LX17c]. **Contraction** [EJ14]. **Contrast** [Beb16, Bel10, Bel17, BPP15]. **Contrasting** [GS15a]. **Contrasts** [LL16a]. **Control** [ABL13, FQS10, MM11, MNS11, PRT15]. **Controllability** [BCS16, Lau10]. **Controlled** [MS16]. **Convection** [ACJ12, BP10, CCC⁺17, CPT10, JT13, Poh15]. **Convection-Diffusion** [JT13, Poh15, ACJ12]. **Convective** [AH13]. **Convergence** [Ale16, AZ12, BA10, BA12, BBMN12, BCD⁺11, BRS17, BHWY12, CMM10, CDPS17, CPSW16, CCLCP13, CS15b, Che12, CT11, CT16, DFP14a, DFP14b, DGV16, DLZ15, FF12, GL17, Gie14, GM13, HHR17, HMWY11, IM10, Kar12, Le10, MT15, MT16, Moa11, MPS17,

MN12, PSV10, Pen15, Pen17, SW11a, Sri11, Xu16, dCPS16, Can10a]. **Convex** [AS14, Ash13, Ber12b, BPW15, Dai10, DK14, Feh13, HR10, KY15, LV13, SV18, Tan15, DLSV12]. **Convexity** [FGR15, Kry13, ZCO15, ZCO16]. **Conveyor** [BHM17]. **Convolution** [CM14, DL15a, PZ17]. **Convolution-Type** [PZ17]. **Cooling** [AL10, ABCL18]. **Cooperative** [ÁCDP14, DP13, FGW13, ILN11]. **Copolymer** [CP10, CP11, Gla17]. **Copolymer-solvent** [Gla17]. **Corner** [Ben17, Kwe12, LX17b, ZH10]. **Corrector** [BAP13]. **Correctors** [BFFO17, CM12, Pra13]. **Correspondence** [AF17]. **Corrigendum** [HM13, Kim13]. **Corrosion** [PPPV16]. **Cosmological** [AFT15]. **Cost** [KW12, Che15]. **Costs** [Cav12]. **Coulomb** [BST17a, HY14]. **Counterexamples** [Tak10]. **Counting** [BR11, LV15]. **Coupled** [ADL14, ALS15, BG17, CPP18, DZ14, ERV17, KK17a, KLS11, LMP11, LN10, MSTY16, NRS17, Ohn16, PZ11, Tro17, XZL10]. **Coupling** [RT17, ST11]. **Cowan** [DN12]. **Cracks** [IO16]. **Cradle** [BFDJ13]. **Crime** [BWW14, CCM12]. **Criteria** [WZ13a]. **Criterion** [CCFdL14, CJP13, HLX11]. **Critical** [BK13, CLW12, DF15, DS10b, DR13, EEW11, JMWZ14, Kac14, LWX11, Mur14, Wan13, XXK13, ZF12]. **Critically** [KM13, KMS17]. **Cross** [BDPS10, CDNP16, DFP14a, DFP14b, DLM14, HJ11, HNP15, Kut15, LPR12]. **Cross-Diffusion** [BDPS10, HNP15, Kut15]. **Cross-Sections** [DFP14b]. **Crowded** [WLT16]. **Crystal** [CRWX16, CDK11, DS14, DW13, GW13, Kom15, LR13, LLW15, LX16, LX17c, SW11a]. **Crystalline** [GZ14]. **Crystallization** [Bét16]. **Crystals** [HM12b, HW13b, INSZ14, KK18, SS15, HM13]. **cubic** [HTX15]. **Cucker** [CFRT10, HKK15, Pes15, PRT15]. **Cues** [EW18]. **Curl** [BB10a, CP13]. **Curl-Free** [BB10a]. **Current** [AHP13b, BMSR⁺13, DWZ10, HMN14]. **Curvature** [CHW16, CMP13, CM13, Dai10, DHPW14, GMT16, Hel12, TW18b]. **Curve** [ESvR12]. **Curved** [Ara16, NW17, PR13]. **Curvelet** [YY14]. **Curves** [AP15, Dai10, LMS16, WX16]. **Cusp** [MR15]. **Cut** [KK17b]. **Cutaneous** [FHX10]. **Cutoff** [CH15, TAGP18]. **Cylinder** [CDN10, RTV17, Sen17]. **Cylinders** [Lóp12, MN12]. **Cylindrical** [GH14, Kal12].

D [Kim13, AHKM15, BM12b, BYH15, CWY14, CSW15, CW16, CS10b, CN15, CHS13a, FY13a, FT17, FQ11, GL12, JWX13, Kha13, Kim09, KLL12, LXZ13, LW14b, MZZ12, Per10, PR13, SWZ15, Sug16, WX11, WWX15, YZZ10]. **DAEs** [Ria10]. **Damage** [HS16, RR15]. **Damping** [Hyn13, Kia16, LLW17, LT11, Mei10, RZ17, RR17, RZ16, VY16, WWX15]. **Data** [ADL14, AGS13, BFRV13, BYH15, BDG13, CT15, DWYZ12, DT14, DLZ12a, FZ16, FT13, FQ16, GL12, HKT18, JS13a, Kia16, LT17, LYZZ14, Ngu15, Oh15, TYZZ13, Tsul2, WZ17, Win15]. **Decay** [BW12, BHM17, Bra16, CWYZ16, DKN11, Deu13, DNK12, EW15a, HHMM18, HL15, HW13a, KKT17, LW12, MP16, SW11b, UWK12, VZ15, Wan12, Wu14c]. **Decaying** [FY13b, vBM14]. **Decomposition** [Sch14b, YY14]. **Defect** [BR11, DVW15, Gli13, HW11, Rou13]. **Defected** [IO16]. **Deflagration** [GSW16]. **Defocusing** [BK15b, KM17]. **Deformation** [BC17a, KLO10]. **Deformations** [MO14]. **Degasperis** [HZFQ13]. **Degeneracy** [Sug16]. **Degenerate** [ÁCDP14, BEH15, BKLU18, BL11, Cal15, CKY13, CLW12, DF10, EJ14, Fis13, FS15, GR15a, Ghi13, Gia15, GP11, Hal13, Kai17, KLW17, KSW13, LZZ17, MY12, NSS17,

Nii12, Pan12a, RTZ17, Sho10, WWW12, WZ16, Zho15]. **Degradating** [GR13a]. **Delay** [AHØP13, CN15, GH12, HWZ12, KPR15, KKT17, LWY11, LW15, MPN14, TV18, YCW10]. **Delay-Differential** [MPN14]. **Delayed** [MOZ10, MNS11, ST11, ST15b, VF13, VF15, MOZ12]. **Delays** [CHK15]. **Delta** [CY15]. **Demixing** [BOS11]. **Dendritic** [IT15]. **Denoising** [Val15]. **Dense** [Med14]. **Densities** [Gli13]. **Density** [Gla17, GR13b, HMN14, HW14, JWX13, KLO16, PT11, SV11, ZF10]. **Density-Dependent** [JWX13, ZF10, HW14]. **Dependence** [ACJ12, HKT18]. **Dependent** [AN15, BJ10, CKS15, CMM13, DF10, Deu13, EHM16, Evj13a, GIP⁺13, GS10b, GP15, GH12, HWZ12, JK10, JWX13, Kia16, LYZZ14, LTW14, MO15, RTZ17, RT17, SCB17, YMYC10, ZF10, HW14]. **Depending** [BT12, Can10a, Can10b]. **Deposition** [dCPS16]. **Derivation** [BFG⁺13, CM12, JM12, LR13, Tri18, WZZ15, WLT16]. **Derivative** [AS15, BDEM18, FS15, GHLN13]. **Derivatives** [LP14]. **Derived** [SX13]. **Descent** [Len16]. **Describing** [BP14b, BGL16, Evj11, KLW17]. **Detachment** [GLL17]. **Detectors** [SY17]. **Determination** [ADMR14, BDEM18, CKS15, DV10, LR15a, Moo16, MRV12, SZ12a, Sin10]. **Determined** [DMZ14]. **Determining** [KLS11, LT11]. **Detonation** [GSW16]. **Detonations** [LWZ15]. **Deviations** [BM12b]. **Dewetting** [Lóp12]. **Diagonalization** [LWZ16]. **Diatomic** [FW18, Qin15]. **Diblock** [CP10, CP11]. **Dichotomy** [DL10, DL13]. **Dictionaries** [KNW15]. **Diffeomorphism** [XYD18]. **Diffeomorphism-Based** [XYD18]. **Difference** [GK10, LL16a, MJ14]. **Different** [AFK⁺18]. **Differentiability** [BFV17]. **Differential** [AP14, AMW10, BCD⁺17a, BC11, CMM13, DdMH15, Gar11, GK10, Hal12, Hal13, IM10, KT13, KRW15, LWY11, LW15, MPN14, Mit10, MP14, RZ11, Sch10, YCW10, YZ14b]. **Differentiation** [GJMC12]. **Diffraction** [dHHI⁺14]. **Diffuse** [Abe12, ALS15, BM10, ES10, CP11]. **Diffuse-Interface** [CP11]. **Diffusion** [AB10, ÁCDP14, ACM⁺12, AS13, BAP13, BK13, BFG⁺13, BCD⁺17a, BP10, BDPS10, CWY14, CCV15, Cer11, CL17, CKY13, CLW12, CK11, CK13, CEQW16, DF10, DLM14, DFT17, DH10, DZ15, DLZ15, EP12, EF15, EM10, FHK13, GR15a, GLS10, GG10, GM15, GP14, GST13, HS10a, HHMM18, HJ11, HNP15, HV13, ILN11, IKM17, JT13, Kai17, KSW13, Kut15, LS13b, LPR12, LZZ17, MOZ10, MB16, MS16, MPZ15, NT14, PSV10, Poh15, RTY16, RTV17, SP13, SM16, SV14, TW11a, TW15, TV18, VW11, WWW12, WW12, WW10, YMYC10, ACJ12, MOZ12, ASS16]. **Diffusion-Absorption** [EP12]. **Diffusion-Homogenization** [BAP13]. **Diffusions** [BM15a, INRZ10]. **Diffusive** [CPSW16, DL10, DL13, DM14, HNP13, JX15, LT13, Wan11]. **Diffusivity** [GS15a]. **Dilute** [Alm17, HM12a]. **Dimension** [CPSW16, CH13, CK12, CG11, EM10, DFHM14, HL15, KK16, Lau10, LLW15, Nol11, XV10]. **Dimensional** [ABCL18, ALST14, ABK12, BDX14, BFN⁺13, BV10, BBMN12, Bét16, BMR14, CCNP17, CF14, CNS10, CCLCP13, CQ12, CKZ17, CEQW16, DS10b, EP12, GIP⁺13, GZ13, GR13a, GS12b, GW15, GLW17, HJ11, Hof12, HHPZ17, HW13a, HW13b, HMW11, HLX11, HLW12, HW14, HV13, JK10, JMWZ14, Kai10, KLW17, Lac15, Lei16, LR11, LS12a, LWY18, LS15, LPS13, Mar10, Mas11, MOR⁺16, MMP13, Nii12, NW17, OW14, PSSW15, RV12, ST15a, SW11a, SdIL13, TYZZ13, Tan15, WY15, WXY15b, WY13, WZ17, XY14, XZ15, YY14, ZH10, ZZ14, ZT17, DZ15, LMTT15, LYZZ14, Pol17]. **Dimensionality** [BFY15]. **Dimensions**

[BYZ12, BFRV13, BBG16, BW12, CCLCP13, CRWX16, CDX17, Daf13, GMP13, GH18, IY12, KY15, LMR15, LX17c, Pu13]. **Dini** [WZ16]. **Dipolar** [BAC12, BJ16, Tri18]. **Dirac** [AMV15, BC17b, CCNP17, DR13, KK10, Lee16, Sab13]. **Direct** [LP14, Wu17]. **Direction** [Kai10]. **Directionality** [HMZ15]. **Directions** [GP11]. **Directors** [KK16]. **Dirichlet** [AT14, Ash13, BFV17, BM15b, HPS12, Kal12, LT11, LS12b, OR17, EH16, TZ13, TZ15]. **Discontinuities** [BFRV13, WY15]. **Discontinuity** [VW15a, WX11]. **Discontinuous** [BGL16, CP12, DO16, DV10, LT17, Ohn16, RZ11]. **Discrete** [BFDJ13, BPP15, CGH10, CMP13, GM13, GJMC12, LS13c, Mae17, NSS17, Pes15, Wu16]. **Discreteness** [GVZ16, Syl12]. **Discretization** [CM14, HS13]. **Discretized** [Hal12]. **Disease** [Ai10]. **Dislocation** [HO15, NN12, SZ12b]. **Dislocations** [AV16, MPS17]. **Dispersion** [AI12, ABR17, AMP10, CHL17, CG10a, DM15]. **Dispersions** [GR13a]. **Dispersive** [Aud12, CDL16, HJ15, LST12, LPS13, Pu13]. **Displacement** [DT14]. **Dissipation** [DZ15, HLW12, JMWZ14, LR11, MPS17]. **Dissipative** [ABCL18, Bra16, CCCdL17, CN15, Dua11, UWK12, Yam13, Yam16]. **Dissipativity** [Zha14]. **Dissolution** [HKK17]. **Distance** [Cav12, GR13b, KW12, LMS16, LS13c, MRT14, ZCO15]. **Distances** [CG10c]. **Distorted** [CDN10]. **Distributed** [GST13, Mit10]. **Distribution** [BCG10, BKR16, LTW14]. **Distributions** [KZ11, Tak13]. **Divergence** [Ale16, BB10a, BCDG16, DKR15, DK11, Kry10, Ria10]. **Divergence-Free** [BB10a]. **Divergence-Type** [Ale16]. **Divisors** [TY11]. **Does** [Ber12a]. **Domain** [ALS15, AH13, BDEM18, BMSR⁺13, BCG10, BNDHV10, BP12b, CDLLSG13, CM14, CPP18, GS10b, GY16b, HKK15, JX15, MR15, PPP13, Sal12, Sch14b, WK17]. **Domains** [AT10, AT14, AVP16, BDEM18, BPS16, BAH17, BO16, CDL16, CDD⁺12, CEQW16, FGR15, GS10a, HX10, HK15, Hof12, JJN13, JH18, Kal12, Lac15, MS14, Pla14, DT15, Sei14, WXY15b, Xu16]. **Dominated** [CCV15]. **Dominating** [BT16]. **Doniach** [Pen17]. **Doping** [LMZZ17, LMZZ18, TWW15]. **Doppler** [ST15a]. **Döring** [Lai14, MP16]. **Double** [DG11, RW14]. **Doubly** [AS14, dlHHMV16]. **Down** [BHM17, KSW13, VW11]. **Drainage** [CV12]. **Drift** [GG10, INRZ10, KT11, WW12, WZ16]. **Drift-Diffusion** [GG10, WW12]. **Drifts** [KK15]. **Driven** [BBT14, BHR16, BCL11, Fis13, DFHM14, GGAS14, MPS17]. **Driving** [GMT16]. **Drop** [FL15, Tre13]. **Droplet** [ABBK16]. **Droplets** [Hel12]. **Dry** [Pao15, Pao16]. **Duality** [DLM14, LR15a, PY10]. **Due** [HCHY16]. **Dumbbell** [LS12b]. **Dynamic** [CGS17, FGN13]. **Dynamical** [BGAHS17, CV16, CDZ13, LN10, YZ15]. **Dynamics** [CFRT10, CSW15, CDZ13, ERV17, Evj13b, FGW13, FKM⁺16, FL12b, GRT14, HKK15, HKT18, KLW17, KT17, Kot12, Kwe12, Lam12, LM14, LLP16, LS17, LSW17, MM17, MJ14, MY17, Muñ12, SS15, SWZ15]. **Dynamo** [GLT10]. **Ecological** [RSS17]. **Eddy** [BMSR⁺13]. **Edge** [PR13]. **Edges** [CNS10]. **Effect** [ABR17, CDN10, HMWY12, HT17, JJ18, Jun14, LWX16, Nad10, PPP13, RTV17, WWW12]. **Effective** [AZ17, HM12a, LS13a]. **Effects** [BFLN16, Bel10, BBG12, BDT12, BGL16, SR14]. **Eigenfrequencies** [NT13]. **Eigenfunction** [BDWZ12]. **Eigenfunctions** [CDN10]. **Eigenvalue** [AF16, BFK16, BR11, CCG10, CG10c, Kol11, LZZ17, Nad10, Ria10, TZ13]. **Eigenvalues** [BBG17, BL15, CGH10,

CLM17, DL15a, GVZ16, HS10c, HKOP10, HKOP11, LV15, LR15a, Syl12]. **Einstein** [AFT15, BIP16, BAC12, Faj16, GM17c, GL15, GLW17, HM12a, LLP16]. **Elastic** [ADMR14, Bel10, BC17a, Bel17, CJP13, CS10b, DD18, EH13, GLZ17, KS14, Len14, LS12b, MO15, MRV12, MN16, Rou13]. **Elasticity** [BPW15]. **Elasticity** [AV16, AKKY17, BFGPE⁺12, BTZ15, CC10, CDK11, FI14, Gie14, Han14, MC14, Zha10]. **Elasto** [BMY16, DF15]. **Elasto-Plastic** [BMY16]. **Elasto-Plasticity** [DF15]. **Elastodynamics** [NP16]. **Elastomers** [Ces11]. **Elastostatic** [LL16b]. **Electric** [AHP13b, HHR09, HHR11]. **Electrical** [HS10b, HU13, KT13, KLS11]. **Electrically** [BPZ17]. **Electrified** [FHO16]. **Electrode** [Sei14]. **Electrokinetic** [BFS14, FGJ11]. **Electromagnetic** [BYZ12, CLM17, CH11b, HL11, LR15a, Lei10, LWZ11, LX17b]. **Electromagnetism** [CC11]. **Electron** [GMP13, Sab13]. **Electron/Positron** [Sab13]. **Electronic** [Gli13]. **Electrorheological** [BR17]. **Electrostatic** [Li09, Li11, Sim16]. **Electrothermal** [BGL16]. **Electrowetting** [FGJ11]. **Ellipsoidal** [Yun15]. **Elliptic** [AC14, Ale16, AM15, BMMP16, Beb16, BFFO17, BRS17, BCD⁺17a, DP13, DKR15, DK11, FR17, HKOP11, Kar12, KK15, Lam12, Ohn16, QS12, Sen17, Sus13, Xu16, Zho15]. **Elliptic-Type** [BRS17]. **Elliptical** [YZ16]. **Ellipticity** [LV12, MRS16]. **Embedded** [KW12]. **Embeddings** [KW11]. **Emergent** [HKK15]. **Enclosure** [KLS15]. **Ends** [CDN10]. **Energies** [AG16, BPP15, BCS15, CCV15, CT16, De 18, FI14, NSS17]. **Energy** [AL10, Bev11, BKP13, BW17, BPW15, Gli13, HSV17, HHMM18, JS14, LMTT15, LS18, Li09, Li11, LLW15, Mas11, Moa11, MN16, Pen17, SZ12b, Tri18, VZ15, dL14]. **Enhanced** [HI12]. **Enstrophy** [Lei16]. **Entropic** [CDPS17, RR15]. **Entropies** [JJN13]. **Entropy** [AIK10, BFY15, Can10a, CV15, DLM14, Gie14, LT13, Lu13, LZ18, Pan12a, Ter11, VW15a]. **Enumeration** [BL14]. **Environment** [ÁCDP14]. **Epidemiological** [CTW17]. **Epitaxially** [GZ14]. **Equal** [ILN11]. **Equality** [LS18]. **Equation** [AB10, AIK10, AAD13, ABCL18, ACM⁺12, AT14, ABK12, ABBK16, AN15, ADHZ15, Ash13, BCS16, BIP16, BBT14, BSW16, BBM12, BdHQ13, BdHFS16, BCG10, Ber12a, BP12a, Bes12, Bes16, BFDJ13, BCL11, BP10, BC17b, BN14, Bre13, BGN14, CCNP17, CEH14, CMM10, CDW13, CWH18, CKY13, CS10a, CZD13, CR10, CMWY16, CH11a, CPT10, CG10a, CEQW16, CV12, CHS13b, DG11, DV10, DLVW13, DHPW14, Don11, DM14, DP14, DGVBW10, EP12, EL17, Ess16, FT17, FG15, GS12a, GL17, GZ13, GS10b, Gna15, GM15, GHLN13, GY16b, GJMC12, HX14, HY14, HWWY13, HI12, ILR17, Igb12, Ign10, IY12, ILP16, JX15, JZ10, Kai17, KVM17, KM17, Kha13, KPR15, KY12a, KY15, KKT17, KK10, KNR12, KMM11, LLW17, LvR15, Lau10, Le10, LLP16, Li09, Li11]. **Equation** [LWX16, LW16b, LLLM14, LPS10, LP16, Med14, MBPS13, Mit10, MMP13, MT15, MT16, MBK13, MZ13, NS12, NV12, OW14, Ovc11, Pan12a, Poh15, PY14, PWW17, RV12, SV14, ST17, Str10, SY14, Tak13, Tan18, Tan15, TAGP18, TV18, Tsu12, Wan13, WW15, WY13, Wu14b, Wu17, XY14, Yam13, Yam16, dL14, dMIS10, vdBMJLM11]. **Equations** [AHØP13, AS14, AC14, ACJ12, AS15, AMW10, BAP13, BMMP16, BAC12, BSW16, BFLN16, BFFO17, BGL12, BST17b, BM12b, BT12, BYH15, BW12, BDG13, BDT12, BCD⁺17a, BO16, CDL16, CCCdL17, CF14, Cal15, CCM12, CWY14, CDS10, CSW15, Cer11, CL17, Cha14, CW16, CDX12, CKM14, CPZ17, Che18, CS10b, Che12, Che14, CS14a, CS14b, CMM13, CO12, CEIV17, CHS13a, CNSS17, DZ14, DF13, DdMH15,

DO16, Des14, DF11, DWYZ12, DR13, DK14, DW13, DLZ12b, DLZ12a, EF15, EJ14, EI11, ET16, Feh13, FY13a, FQS10, FY13b, FG18, FHK13, GGAS14, Gar11, Ges13, GR15a, GT16, Ghi13, Gia15, GMT16, GY16a, GP18, GH12, GW15, GST13, GP11, GK10, HSS17, Hal12, Hal13, HS10a, HKK13, HHPZ17, HW17, HWZ12, HLW12, HWWY13, HJ15, Hyn13, IM10, IS13, IISD15, IKM17].

Equations
[JM12, JLL10, JLL16, JWX13, JMWZ14, Joh13, JLL13, JT13, Jün10, KK17a, Kia16, Kim09, Kim13, KK15, KT11, Kry13, Kry14, KMWV14, Lam12, LS13a, LS16, LMTT15, LM11, Lei13, Lei16, LR15b, LS18, LXZ13, LT17, LZ17, LMW17, LWY18, LWY11, LW15, LYZZ14, MPN14, MPR10, MJ14, MQS12, Mar10, MS13a, MOR⁺16, MOZ10, MOZ12, Mel10, MP13, MP14, Muñ12, MP16, NPS13, NOS12, NP11, Oh15, Ohn15, PWG11, Per10, Per15, Pim16, PD17, PW15, Pol17, QW11, RZ11, Sch10, SS17, Sho10, ST10, SCB17, Sri11, ST17, ST15b, Sug16, Tak10, TYZZ13, TWW15, TZ18, TW10, TY11, VY16, VW11, VF13, VF15, VZ15, WZ13a, WXY15a, WZ13b, WZ17, XZL10, Xu11, XXK13, YFK11, YCW10, YZ14b, ZF12, ZZ14, Zho15, Zhu15, dHHMV16, vBW11, vNVW12, vBM14, HR15].

Equilibria [BL14, BH11, CCLM15, Gla17, RR13, SdlL13]. **Equilibrium** [BCL11, BHM17, CS15b, DFT17, FPTT12, GHMZ10, HHMM18, KKT17, LMW17, MP16, OW14, SW11a, ZT17, dLSZ17].

Equivalence [CM13]. **Equivalentents** [WU14a]. **Equivariante** [LNZ14].

Ergodicity
[BHR16, ESvR12, GT16, KSW13]. **Ericksen** [WZZ15]. **Erosion** [She15]. **Erratum** [DL13, HHR11, Li11, MOZ12, MT16, VF15, Yam16]. **Error** [BFFO17, CT14]. **Ersatz** [Kry13]. **Escape** [CF11, HCHY16].

Estimate [DMZ14, Lee17]. **Estimates** [ACJ12, BSW16, BFFO17, BdHFS16, BB10b, BW12, BDG13, BDWZ12, CT15, CNR17, CG10c, DNK12, DLVW13, EW15a, GS15b, GX17, HS10c, HNP15, HL15, HWZ12, Ign10, IN13, KKT17, LMTT15, LM14, LX17a, MP12, NT13, Ovc11, RZ16, SV11, Tak10, VZ15, Ves15]. **Estimation** [BCD⁺17a, GR13b, PT11]. **Euclidean** [Com17, KW12, MRT14, Sal12, ZCO16, dHHI⁺14]. **Euler** [Aud12, BDX14, BFLN16, BPW15, BM18, CDX12, CPZ17, CKZ17, Che12, Che14, CS14a, CS14b, CHS13a, CNSS17, DLZ12b, FKV15, GMP13, GL15, HWWY13, KMWV14, LM11, LP16, NOS12, Ohn15, PWG11, Pen15, Per15, Pu13, SWZ15, Tak10, TY11, UWK12, WFL12, Wen14, XX10, Xu11, XXK13, ZH10, dHHMV16]. **Eulerian** [CNSS17]. **Evans** [dRDR16]. **Evaporation** [LS12a, LW14a]. **Even** [vdBMJLM11].

Eventual [GM15]. **Evolution** [AH18, ABR17, ADHZ15, BFM12, BM18, CF14, CCM16, DP15, DL15a, DGVBW10, EHM16, GGAS14, GS17, IISD15, LX17c, MC14, Sho10, Tak13, TW18b, VW11, YFK11, vNVW12]. **Evolutionary** [BFLS18].

Evolutions [EMZ17, MPS17]. **Exact** [DS10b, FW18, GH14, HS10b, dHGR14].

Examples [LL12]. **Excitable** [NW17].

Excited [BMY16, FKN⁺14, GP11].

Exclusion [BDPS10]. **Exemplar** [ALM10].

Exemplar-Based [ALM10]. **Existence** [AF15, AS15, AM15, BEH15, BT16, BKL18, BR17, BK13, BMC14, BFLS18, BWW14, Bes16, BN14, BP14b, BPZ17, CGH10, CP12, CSW15, CH13, CHL17, Chu14, CMM13, CGS17, DDM11, DGV16, DS13, DR13, DG16, DLZ12a, DGVBW10, FT17, FKM⁺16, FG18, FL15, GSW16, GM14, GG10, GY16b, HSS17, HK15, HNP15, HKK17, HHPZ17, HW13a, HNP13, JS13b, JMZ18, KK17a, KMT13, Kry13, Leq11, LS10, LT17, LMW17, LW15, LX16, Lu13, LMMNR17, Mae17, MQS12, MSZ13, NPS13, PZ11, Pao15, PWG11, RT17, SM16, Smi17, XX10, YZ14a,

YZZ10, YT11, YMYC10, ZF12]. **Exit** [INRZ10]. **Exothermically** [CKZ17]. **Expanding** [WX15]. **Expansion** [Con12, Yam13, Yam16]. **Expansions** [Ben17, BFG⁺13, GH12, IKM17, dHGR14]. **Expectations** [KLO16]. **Explicit** [JHN12, KKT17, Spe14]. **Exponent** [BO16, CLW12]. **Exponential** [BHM17, Dan17, HL15, LLLM14, MN12, Tak13]. **Exponential-type** [Dan17]. **Exponents** [BGL16, GH14]. **Extended** [CP13]. **Extensible** [LS12b]. **Extension** [CCFdL14, HZ10, RR13, SX13, ST17]. **Exterior** [CDL16, CEQW16, Sch14b]. **External** [GW13, HSV17, LZZ15]. **Extinction** [BS16a]. **Extrapolated** [KPR15]. **Extremal** [Lit13].

Factoring [SZ11]. **Factorization** [dRDR16]. **Factorizations** [LL16a]. **Far** [HSV16]. **Far-Field** [HSV16]. **Farfield** [KS14]. **Fast** [Bos12, CS15a, CL17, FY13b, GR15a, MB16, RTV17, VW11]. **Feedback** [CW13, LW16a, MNS11]. **FENE** [HY13]. **Fermi** [FW18, Miz11]. **Fermionic** [KK18]. **Ferromagnetic** [Car14, PWW17]. **Fiber** [BHM17, KSW13]. **Fibrous** [LS12a]. **Field** [AHP13b, CP12, CDM16, CL13b, DWZ10, Due16, FGJ11, GP15, GLT10, HSV17, HD17, HK15, HSV16, IT15, Kac14, KK10, Lee17, Mel12, MS18, Mit10, LNZ14]. **Fields** [ABGS10, BB10a, BBG16, Bos12, CEIV17, JJ18, MM18, Mon16, Pen17, VF13, VF15]. **Filling** [CV16, WWW12]. **Film** [ABGS10, CPT10, CM12, Ess16, FG18, Gna15, LM17, Mel10, RZ16]. **Films** [FHO16, GZ14, KK16]. **Filtered** [BMY16]. **Finite** [BK13, BGL12, Bos16, CF14, CCLCP13, CDW13, CHL15, CMWY16, DF15, FG15, Ges13, GM10, Gia15, GR13a, GS17, GK10, KK18, LLW15, RR13, SW11a, Sug16, Tro17]. **Finite-Time** [CDW13]. **Finitely** [LS12b]. **Finiteness** [Wu16]. **FIOs** [AFK⁺18]. **First** [BA10, BA12, Bos16, IM10, TZ13, Val15]. **First-Order** [IM10, Val15]. **Fisher** [CHS13b, GM17a, CS10a, EM10, GM17b, RTV17, SV14]. **Fitness** [LTW14]. **Fitness-Dependent** [LTW14]. **FitzHugh** [CS15a, CKM14]. **Fixed** [LL16a, Moo16]. **Flame** [XY14]. **Flat** [LS13a, MW17, Ngu15, TWW15]. **Floating** [NT13, Tre13]. **Flocking** [CFRT10, KMT13, Pes15, PRT15]. **Floquet** [FGW13]. **Flow** [Abe12, BP12b, BH11, Bre13, BP14b, CMP13, CL13a, CY15, CKZ17, CL13b, Dai10, DD16, DKR16, DKN11, DNS12, DT14, ER12, ESvR12, Evj13b, FHK11, GVWK16, GM14, GMM13, GMT16, GS12b, HL12, Hel12, Hof12, HW13b, JMN11, JK10, JMZ18, Lac15, LV10, LW16a, LMP11, LS13b, LS10, LWY18, LLW15, LW14b, Ono11, PWW17, RZ16, TW18b, WXY15a, WK17, XYZ16, YZZ10, YZZ12, ZH10, ZT17]. **Flows** [BFN⁺13, BH17, BKP13, BFS14, BP14a, BGMŠG12, BC11, BM18, CM11, Can10a, Can10b, CP12, CDPS17, CPSW16, CRWX16, CDX12, CDX17, CS14c, Deu13, DZ15, Due16, DFHM14, GM17a, GM10, GW13, GJZ15, HHR17, HW13a, HLX11, Kwe12, KK17b, LZZ15, MM18, MOS14, SW11a, WX15, WY15, WX16, Wen14, XX10, XY14, ZF10]. **Fluctuations** [BFK16]. **Fluid** [ALST14, BST17a, BDEM18, BTZ15, BP12b, BP14a, BP14b, BPZ17, Cho16, CTW13, CWYZ16, Duc10, EW15b, EW18, HX10, Hel12, JX15, KK17a, Kha13, Len14, Leq11, MR15, Ohn15, RR13, SW11b, WLT16, WK17, WX13, XXK13]. **Fluid-Boundary** [Ohn15]. **Fluid-Elasticity** [BTZ15]. **Fluid-Particle** [ALST14]. **Fluid-Rigid** [BST17a]. **Fluid-Structure** [BDEM18, Leq11]. **Fluids** [AZ17, Ara16, BR17, Ber12b, BGMŠG12, BBS16, DM15, FGN12, FKN⁺14, FPZ14, GT10, JH18, Jün10, KR10, Kot12, LS12b,

Nes14, NP11, Smi17, Wan11, WZ13b, ZF12, DLZ12b]. **Fluttering** [LW16a]. **Flux** [ACM⁺12, BBT14, EHM16, LR11, MY12, RZ14, Yos18]. **Flux-Limited** [ACM⁺12]. **Focusing** [LWX11]. **Fokker** [GHMZ10, KKT17, LMW17, YY10, Zha14]. **Folded** [VW15b]. **Following** [GM14]. **Föpl** [MPT18]. **Force** [CH11a, GW13]. **Forced** [Bou13, CCCdL17, CS14c, DN12, FFGHR17]. **Forces** [LZZ15]. **Forcing** [BBS16]. **Form** [DK11, Neu16, Kry10]. **Formation** [BHRW16, CPZ17, WWW12]. **Forms** [JHN12]. **Formula** [Alm17, CD11]. **Formulas** [Hal14]. **Formulation** [MS18, Per15, Sho10]. **Formulations** [CWH18, PD17, SS17]. **Forward** [BST17b, LLW17, ST10, Ter11]. **Forward-Backward** [BST17b, ST10, Ter11]. **Foundations** [ZCO16]. **Four** [BL11, BL14, WW10]. **Four-Body** [BL11, BL14]. **Fourier** [JLX15, AHKM15, AM15, BV13, Con12, JJN13, LJ17, PPP13, VW15a]. **Fourth** [LN10]. **FPU** [HR10]. **FPU-Type** [HR10]. **Fractal** [AT10, AIK10, CV16, CWH18]. **Fraction** [CP10, CP11]. **Fractional** [ACJ12, ALP15, BGAHS17, FY13b, GGAS14, IKM17, Joh13, LR11, LP14, SS17, SV14, ST17, VZ15, Yam13, Yam16, ASS16]. **Fractional-Diffusion** [ASS16]. **Fragmentation** [DF10, LvR15]. **Frame** [DSX17, WX12]. **Framelets** [HMZ15, SX13]. **Frames** [AG17, GL12, KLL12]. **Framework** [Bru16, GJMC12, ZF12]. **Frank** [PWW17]. **Fréchet** [BDEM18]. **Free** [AL10, BB10a, BM12b, BP12b, BCD17b, CCV15, CHS13a, Cui13, DSV15, DL10, DL13, DMZ14, DLZ15, Duc10, ERV17, Evj13b, Han14, Hen10, KR10, Lee17, Li09, Li11, LTW14, Nes14, WNRJ13]. **Free-Boundary** [CHS13a, Lee17]. **Freely** [NT13]. **Frequencies** [CStW17]. **Frequency** [AZ17, BSW16, CMM13, ETZ13, Jun14, KT13, LWZ15, TW11b]. **Frequency-Dependent** [CMM13]. **Friction** [FPVR13, Kim09, Kim13, MO15, Pao15, Pao16]. **Frictional** [HMS14, Pao16]. **Friedrichs** [CHW16]. **Front** [ABK12, LW12, Tan15]. **Fronts** [BCN11, HS14, ILN11, HR15]. **Full** [CRWX16, CDX12, FKV15, GM17b, HW17, JLL13, NV12, PZ11, QW11, WZ17]. **Fully** [ADL14, DIT15, Kry13, RTZ17, Zho15]. **Function** [FGN13, Hal14, LV15, LS17, Moo16, TD17, ZCO15, dRDR16]. **Functional** [AMW10, BM10, CP10, CP11, Gla17]. **Functionalized** [DHPW14]. **Functionals** [BB10b, CP13, CLW17, DLSV12, JS14, PT11]. **Functions** [And12, BC17a, Bét16, CK11, CK13, CNR17, DS10a, KMS15, KLL12, Lit13, LA14, Mon16, Pla14, PX13, Rod16, Wei12, XYD18, ZCO16]. **Fundamental** [CS10a, Zha14]. **Fungal** [Ai10]. **Gain** [Jia12, MNS11]. **Galaxies** [SW17]. **Galerkin** [AM15, HS13]. **Game** [CDM16]. **Games** [GP15, MPR10, MS18]. **Gamma** [Ces11]. **Gamma-Limits** [Ces11]. **Gaps** [Nii12]. **Gas** [CSW15, CQ12, Evj11, Evj13b, EW15b, FHK11, HL12, HKT18, LM14, MY17, Ohn14, SR14, SWZ15, YZZ10, YZZ12]. **Gas-Kick** [Evj11]. **Gas-Liquid** [Evj11, Evj13b, EW15b]. **Gases** [AL10, BJ16, CH15, LM11, Rey12]. **Gauge** [GS10a]. **Gauss** [CHW16]. **Gaussian** [BBT14, LSW17, dHGR14]. **Gelation** [LvR15]. **General** [AG17, BG14, BYH15, BC17c, CHL17, DLSV12, DSX17, GR13a, Gro10, HS10a, Hof12, JMWZ14, WXY15b, Xu16]. **Generalized** [AHP13a, Ara16, BKK18, BNDHV10, CNR17, DO16, DL15a, FQ16, GW15, HS13, INSZ14, JZ10, Le 13, Len14, LMMNR17, Muñ12, Nes14, RTY16, WLT16, Win15, Wun10]. **Generated** [BK15a].

Generating [HSV17]. **Generator** [BEH15]. **Generic** [CWYZ16, JT13, LZ17]. **Gennes** [HM13, HM12b, MN16, WZZ15]. **Genuine** [Evj13b]. **Geodesic** [LMS16, Mon16]. **Geodesics** [PPPV16]. **Geological** [She15]. **Geomagnetic** [Kai10]. **Geometric** [BFLN16, Ben17, CDS10, DP15, JS14, Val15, HGW14, HZFQ13]. **Geometry** [LS13a, Lóp12, Tak13]. **Geostrophic** [EW15a, FT13]. **Gevrey** [LWX16]. **Ghost** [HT17]. **Gibbs** [Oh10]. **Gilbert** [FT17, KMM11, Mel10]. **Ginzburg** [ABGS10, CDW13, COS16, DWZ10, GS10a, INSZ14, Kac14]. **Gives** [Tan15]. **Glaciology** [BG17, CGP13]. **Global** [BK13, BC14, BFS14, BN14, CCM12, CSW15, CRWX16, CH13, CDX12, CY15, Cho16, Chu14, CGS17, DWYZ12, DZ15, EW15b, FZ16, FPZ14, GL17, GMP13, GN15, HNS17, HX10, HD17, HM12b, HM13, HNP15, HKK17, HHPZ17, HWZ12, HW13a, HW13b, HW14, HCHY16, IK11, IN13, Jün10, KK10, KNR12, Lau10, LM11, LPR12, LLP16, LS10, LWX11, LS12a, LXZ13, LZZ15, LMW17, LWY18, LLW15, LT11, Lu13, LMMNR17, MOZ10, MOZ12, MP13, MN12, NPS13, PZ11, Pan12b, PZ13, PWG11, Pen15, Pim16, RZ14, SM16, ST11, Smi17, SSW14, Str10, TYZZ13, TW18a, VY16, WWW12, Wan12, WX15, WZ13b, WZ17, Win15, WX13, WWX15, XX10, Xu11, XXK13, XZ15, YY10, YZZ10, YT11, YCW10, Yun15, ZF12, ZZ14]. **Globally** [WFL12]. **Gordon** [Com17, DKS16, NS12]. **Governed** [Kha13]. **Gowdy** [GL15]. **Grade** [Ber12b]. **Gradient** [AF15, BT16, BK15a, BBG12, CM11, CDPS17, CPSW16, DNS12, Due16, DFHM14, GM17a, GR13b, HNP15, MOS14, NN12]. **Gradients** [IS13]. **Granular** [AL10, DP14, Igb12, Rey12]. **Graph** [Med14]. **Graphs** [DD18, KVM17, Koc16, Med14]. **Gravitating** [RR13]. **Gravitational** [LMR13]. **Gravity** [Hen10, HCHY16, MZZ12, Ngu16]. **Gray** [vdBMJLM11]. **Grazing** [FPTT12, HY14]. **Greedy** [BCD⁺11]. **Greene** [CCFdL14]. **Grisvard** [DT15]. **Gromov** [GM13]. **Gross** [BAC12, CPP18, HTX15, ILR17, KMS17, Tri18, WY13]. **Ground** [CCV15, CDN16, CO12, GLW17, Kom15, KK18, LMR13]. **Growing** [CCM16, Kry10]. **Growth** [ABR17, BEH15, BKK18, BO16, Cui13, DLV10, DLSV12, DH10, Gia15, NSS17, WNRJ13, XY14]. **Gurtin** [EI11]. **Hairline** [IO16]. **Half** [AHP13b, FR17]. **Half-Plane** [AHP13b]. **Half-Space** [FR17]. **Hall** [CW16]. **Hamilton** [BT12, CEH14, DZ14, Feh13, IS13, Igb17, MBPS13, MSTY16]. **Hamiltonian** [BT12, LN14, YZ14b]. **Hamiltonians** [BFK16]. **Hankel** [GR15b]. **Haptotaxis** [TW11a, TW15]. **Hard** [CH15, TAGP18]. **Harmonic** [AC14, GM10, GMM13, Rod16, Spe14, BM12a]. **Hartree** [Lei13]. **Hartree-Type** [Lei13]. **Hausdorff** [GM13]. **Head** [BCS15]. **Head-to-Tail** [BCS15]. **Heat** [AH13, BDT12, BPZ17, FK13, GIP⁺13, HCHY16, KVM17, KPR15, KLS11, LV10, LS12a, Med14, MPZ15, NP11, EH16, WZ13b]. **Heat-Conducting** [MPZ15, WZ13b]. **Hele** [Ono11, TW18b, YT11]. **Helfrich** [BM10]. **Hellinger** [LMS16]. **Helmholtz** [BSW16, BdHFS16, CDL16, Mel12, MMP13, Sch14b]. **Hemivariational** [BS16b, HMS14]. **Heteroclinic** [HR10]. **Heterogeneous** [AH13, ACZ14, BCN11, Can10a, Can10b, KK16, TD17]. **Hierarchy** [HGW14, HTX15, HZFQ13]. **High** [AL10, BSW16, Beb16, Bel10, Bel17, BPP15, DWZ10, ETZ13, FWW17, HV13, HR12, Jun14, LWZ15]. **High-** [DWZ10]. **High-Contrast** [Beb16, BPP15]. **High-Energy** [AL10]. **High-Field** [DWZ10]. **High-Frequency** [BSW16, LWZ15]. **High-Performance**

[HR12]. **High-Rank** [FWW17]. **Higher** [BFFO17, GVZ16, Hal13, Pu13]. **Higher-Order** [BFFO17, GVZ16]. **Highly** [AVP16, BCN11, CGM16, GS15a]. **Hilbert** [AAK14, ADK15, BN14, HI12]. **Hilliard** [ABK12, BBMN12, CGS17, DG11, DHPW14, KNR12, OW14, SP13]. **Hinged** [SV18]. **Hitting** [IT15]. **Hitting-Times** [IT15]. **Hohenberg** [MBK13]. **Hölder** [MS11, WZ16]. **Holes** [BCG10, CDD⁺12]. **Holm** [CFGL17, DIT15, GL17, LZ17, Tan18, dMIS10]. **Holomorphy** [CStW17]. **Homoclinics** [vdBMJLM11]. **Homogeneous** [CMWY16, Sch17, SY14]. **Homogenization** [Ale16, AMP10, AH13, BAP13, BLZ16, BCN11, BFFO17, Bel17, BCG10, BPP15, CGM16, CDM16, DG16, Feh13, FF12, GS15a, GS15b, GX17, HW11, IM10, JMN11, JS14, KK16, MM11, NSS17, PZ17, Pra13, Sch10, Sen17, Sus13, Xu16]. **Homotopy** [Kol11]. **Honeycomb** [Lee16]. **Hopf** [Naz12]. **Horizon** [ABL13, AHØP13]. **Hörmander's** [Kry14]. **Hotspot** [BW14]. **Human** [GP14]. **Hunter** [LPS10, Wun10]. **Hybrid** [YMYC10]. **Hydrodynamic** [CDM13, GW13, HKK15, HMWY11, HMW11, HMWY12, HCHY16, JXZ16, LMZZ17, LMZZ18, WX13]. **Hydrodynamics** [JLX15, WX11]. **Hydrogen** [CS18]. **Hydrology** [BG17]. **Hydrostatic** [KMVW14]. **Hyperbolic** [BIP16, Ben17, BHWY12, CHL15, CT11, CN15, Cui13, Daf14, DNK12, DS13, Ell12, FHK13, GPPP13, GN15, HK15, LT11, Lu13, LN14, Mei10, NP16, Ohn16, Ves15]. **Hyperbolic-Elliptic** [Ohn16]. **Hyperbolic-hyperbolic** [LN14]. **Hyperbolic-Parabolic** [DS13, HK15]. **Hypergeometric** [GI15]. **Hypersingular** [HSV17]. **Hypersurfaces** [EF15]. **Hypoconvexity** [DJMZ16]. **Hysteresis** [GST13].

ICE [BG17]. **ICE-Hydrology** [BG17].

Ideal [GS12b, JLL16, Lac15, LTW14]. **Identical** [ST11]. **Identification** [HSV16]. **Identities** [Lei10]. **IDSA** [BFG⁺13]. **II** [LMZZ18, AHP13b, AFK⁺18, Ben17, BG14, Can10b, CP11, DFP14b, GS17, HNSW11, Lam12, LW16b, MY17, Pao16, SWX17]. **Image** [CM11, CM13, DSX17, SSST15]. **Imaging** [AFK⁺18, AGS13, CS17, FGN13, HMN14, MNT13]. **Imbeddings** [CC11]. **Immersed** [SR14]. **Immersion** [CHW16]. **Immiscible** [CP12]. **Impact** [AP15, Pao15, Pao16]. **Impedance** [BOS17, HHR09, HHR11, HS10b, HU13, HMN14, KT13, Sin10]. **Imperfectly** [KLO10]. **Implicit** [AH18, Li09, Li11, CMP13]. **Implicitly** [BGMŚG12]. **Imply** [Mur14]. **Implying** [LS18]. **Improved** [Che14, KW11]. **Inclined** [RZ16]. **Including** [CDR17, Gh13].

Inclusion [ADMR14, DLVW13, MRV12, MP14]. **Inclusions** [Alm17, BLZ16, BFV17, KRW15, LX17a, MNT13]. **Incompatibility** [AV16].

Incompressible [BFN⁺13, BBG16, BKP13, BGMŚG12, BP14b, BPZ17, BC17c, CWY14, CDM13, Che14, CDX17, CS14b, DKN11, Deu13, FKN⁺14, INRZ10, JLL10, JLL16, JMWZ14, Kha13, Lac15, Len14, MM18, SW11a, WK17, XY14, XZ15, YZZ12, ZF12, ZZ14, Abe12]. **Increasing** [BA10, BA12, ILW16].

Independent [Kar12, Ngu17, RT17, Rou10]. **Index** [BC11, LS16]. **Individual** [BM15a]. **Induced** [AHP13b, BG14, CM12]. **Inelastic** [BCL11, FPTT12]. **Inequalities** [AH18, BS16b, BCD17b, DNS12, GH14, HMS14, HS16, Sal12]. **Inequality** [BM15a, BMY16, Neu16, SV11, Wal14]. **Inf** [BCDG16]. **Inf-Sup** [BCDG16]. **Infeld** [CP13, MP14]. **Infinite** [ABL13, AHØP13, CGH10, CCM14, CCLCP13, KLW17, LMR15, PSSW15, Sen17, VW11, WWW12, WX15]. **Infinite-Time** [VW11, WWW12].

Infinitely [CDX12, KY15, Pas13, XX10]. **Infinity** [Deu13, FW18, FY13a, LWZ15, WZ17, vBW11]. **Inflow** [HW17, QW11]. **Information** [GM17b]. **Inhibitory** [RW14]. **Inhomogeneities** [KMS17]. **Inhomogeneous** [ADL14, BK13, BC17c, MS16]. **Initial** [AI12, DWYZ12, FZ16, FT13, FY13b, HS10a, HKT18, HW17, JS13a, JX15, KT11, Len16, LT17, MZ13, NP16, Oh15, TW18a, Tsu12, Ves15, dCPS16]. **Initial-Boundary** [AI12, Len16, TW18a]. **Injection** [Ono11]. **Injectivity** [FGR15]. **Inpainting** [ALM10]. **Inside-Outside** [LR15a]. **Instabilities** [BAH17, ST15b]. **Instability** [Ben17, Bou13, BC11, FHO16, GT10, HKN16, JZ10]. **Instantaneous** [TW11b]. **Insulating** [MNT13]. **Integral** [BA10, BA12, BSW16, CWH18, Chu14, JHN12, Lei10, Mel12]. **Integrals** [DLV10, MP12]. **Integration** [KY15]. **Integro** [Gar11, Sch10]. **Integro-Differential** [Gar11, Sch10]. **Integrodifferential** [Igb12]. **Interacting** [DGV16, IT15, Len14]. **Interaction** [ALST14, BST17a, BTZ15, CCV15, CS10b, CT16, DKR16, Due16, Evj13a, GLZ17, HGW14, HY14, JMNR11, KK10, MPS17, Ohn15, vBM14]. **Interaction-Driven** [MPS17]. **Interactions** [AMV15, BCQ12, CS18, CDNP16, DF11, FPZ14, Nii12, Sab13, WX13]. **Interconversion** [LA14]. **Intercritical** [Mur14]. **Interface** [Abe12, CP10, CP11, Evj13b, Ono11]. **Interfaces** [BM10, CC11, DP15, DHPW14, Gli13, KS14]. **Interior** [CCG10, CCH10, CH11b, Fai14, KK17b, LV12, LV15, LR15a, MNT13, WZ13a, Zho15]. **Intermittency** [CS14a]. **Internal** [CT15, Duc10, DIT15, JTW16]. **Interpolation** [BOS17, GH10]. **Interpolations** [ZCO16]. **Interpolatory** [Wei12]. **Interpretation** [Sim16]. **Interval** [JHN12]. **Intrinsic** [AV16]. **Intrusion** [CDR17]. **Invariance** [BM15a, Nol11, Oh10]. **Invariant** [GPPP13, GW15, NS12]. **Invasion** [HS14, SSW14]. **Inverse** [ACZ14, BJ10, BM12a, BdHQ13, BdHFS16, BK15b, CLM17, CT15, CS17, DLVW13, GIP⁺13, GY16a, HHR09, HHR11, HSV16, IY12, IN13, Kar16, KLO10, LL16a, LTV17, LT11, Poh15, SZ12a, Ves15]. **Inverses** [JHN12]. **Inversion** [Hal14, Mon16]. **Investigation** [SCB17]. **Inviscid** [BFN⁺13, CV15, CEIV17, CTW13, EW15a, ER12, Kim09, Kim13, LW16a, VW15a]. **Involving** [KRW15]. **Ionic** [Dua11]. **Irregular** [DK14, GS12b, LV10]. **Ischemic** [FHX10]. **Isentropic** [FKV15]. **Ising** [AG16]. **Ising-Type** [AG16]. **Isometric** [CHW16]. **Isometry** [KW11]. **Isomorphism** [MM18]. **Isoperimetric** [BC14, MS14]. **Isothermal** [PW15, Kot12]. **Isotropic** [BM12a, BFG⁺13]. **Jacobi** [IS13, BT12, CEH14, DZ14, Feh13, Igb17, MBPS13, MSTY16]. **Jacobians** [KRW15]. **Jensen** [Wal14]. **JKO** [GM17a]. **Johnson** [KW11]. **Jost** [Wu17]. **Jouguet** [GSW16]. **Jump** [BHR16, KK17b, MP12, Val15]. **Junction** [AMW11]. **Justification** [BFLN16, CCFdL14, DP14, MT13]. **Justified** [DIT15]. **Kac** [ADHZ15, FPTT12]. **Kadomtsev** [EL17, ILP16, JZ10]. **KAM** [PX13, SdlL13, dLSZ17]. **Kantorovich** [GM17a, LMS16]. **Kármán** [MPT18]. **Kawasaki** [Kut15, Le10]. **KdV** [CR10, DP14, ETZ13, Joh13, Muñ12, Tsu12]. **KdV-Type** [Joh13]. **KdV/KP** [CR10]. **KdV/KP-I** [CR10]. **Keller** [BK13, BH17, KY12b, CLW12, HJ11]. **Kelvin** [PZ13, RR17]. **Kernel** [HNW10, HNSW11, PZ17]. **Kernels** [FK13, LW16b]. **Kick** [Evj11]. **Kinetic**

[ASS16, CFRT10, CS15b, CHS13b, FKM⁺16, FL12b, JM12, JXZ16, KMT13, MT13, Ovc11, Per15, PRT15, RR13, Zha14]. **Kinetics** [MO15, MS13b]. **Kirchhoff** [Ghi13]. **Kirkwood** [CS18]. **Klein** [Com17, DKS16, NS12]. **Knothe** [Bon13, CGS10]. **Known** [HMN14, KLO10]. **Koch** [DW13]. **Kohn** [SCB17]. **Koiter** [CS10b, Len14]. **Kompaneets** [BIP16, LLP16]. **Korn** [BCD17b, GH14]. **Korn-Type** [GH14]. **Korteweg** [Aud12, BC17c, CH13, CG10a, DM15, Kot12]. **Korteweg-Type** [DM15]. **KPP** [CHS13b, FY13b, RTV17, SV14]. **KPP-Fisher** [CHS13b]. **Kramers** [ET16]. **Kullback** [PSSW15]. **Kuramoto** [Tro17]. **Kuznetsov** [RV12].

Lagrangian [BC17c, CNSS17, FT13, Gia15, MY17, MSTY16]. **Landau** [HM13, ABGS10, CDW13, COS16, DWZ10, FT17, GS10a, HM12b, INSZ14, Kac14, KMM11, Mel10, MP13, MN16, PWW17, Wan12, WZZ15, dL14]. **Lane** [BHRW16]. **Language** [Mit10]. **Laplace** [Ash13, BNDHV10, GT16, TZ13]. **Laplacian** [BM15b, BGL16, MRS16, PR13, Rod16, SZ12a, Yam13, Yam16]. **Laplacians** [Kal12]. **Large** [AHP13b, BYZ12, BM12b, Ces11, Cho16, DF10, DWYZ12, FZ16, FR17, HHPZ17, HW17, HMW11, IS13, Kim09, Koc16, Kut15, Lam12, LXZ13, LZZ15, LMW17, LWY11, LYZZ14, QW11, RZ14, RZ16, SWX17, TYZZ13, TW15, WZ13b, WZ17, Whe13, Win15, Kim13]. **Large-Amplitude** [RZ16, Whe13]. **Large-Data** [Win15]. **Large-Scale** [FR17]. **Large-Time** [Cho16, QW11]. **Larmor** [Bos16]. **Lattice** [BGAHS17, BFK16, GZ13, HMSZ13, HO15, HV13, Lee16]. **Lattices** [Bét16, Miz11, Qin15]. **Law** [AP14, BST17a, Chu14, CW13, GZ14, LV15, Le10, MY12, Yos17, Yos18, JM12]. **Lawrence** [Pen17]. **Laws** [CT11, CD11, Daf13, Daf14, DWY12, Jun14, KMS15, MS13a]. **Lax** [CHW16, LW16b]. **Lay** [BHM17, KSW13]. **Lay-Down** [BHM17]. **Layer** [GVWK16, HL15, JX15, JT13, Kal12, Pra13, WW12]. **Layered** [Pen17]. **Layers** [CV16, EEW11, HL11, LW14b, Ngu10, NOS12, Ohn15, She15]. **LCD** [Dai17]. **Leading** [AF16]. **Least** [Moa11]. **Lebesgue** [HNW10]. **Leffler** [TAGP18]. **Legendre** [GIV17]. **Leibler** [PSSW15]. **Lemma** [FL15, Naz12]. **Length** [BLS15, CLLS17, TZ13]. **Leray** [GP18]. **Leslie** [WZZ15]. **Less** [AC14]. **Level** [CM13, GMT16]. **Level-Set** [GMT16]. **Lévy** [FPTT12]. **Lévy-type** [FPTT12]. **Life** [HI12]. **Lifetime** [CTW13]. **Lifshitz** [FT17, KMM11, Mel10, MP13, PWW17, dL14]. **Ligand** [ERV17]. **Lighting** [Kar16]. **Like** [AT14, BMR14, BGL16, Muñ12]. **Limit** [ASS16, AHP13b, AH16, BM12b, BP14a, CEH14, CDM16, CH13, CDM13, CR10, CV15, CP10, CP11, CG10a, CEIV17, CDK11, CHS13a, DD16, DM15, FGN12, FPTT12, HY14, HLW12, HWWY13, IT15, JMN11, JLL10, JX15, JXL15, JLL16, Kim09, Kim13, LWZ16, LST12, LP16, MM17, MB16, PWG11, PR13, Pu13, RZ11, SZ12b, Str10, VW15a, Wan11, WX11, WW12, WXY15b, YZZ12]. **Limited** [ACM⁺12, FQ16, GLL17, MS13b, Ngu15]. **Limiting** [Kal12, Kut15, Lam12]. **Limits** [ABGS10, AG16, BAP13, BCS15, Ces11, Che12, Due16, FKN⁺14, GT16, Ghi13, HKN16, JS14, JXZ16, JLL13, Med14, Mel10, Ped15]. **Lindenstrauss** [KW11]. **Line** [GHH17, SZ12b, WW10, ZT17]. **Line-Tension** [SZ12b]. **Linear** [AHKM15, AKKY17, AS13, AZ12, BKK18, BAP13, BFFO17, BCG10, Bos16, Dan17, DFP14a, DFP14b, DNK12, DKR15, EW15a, FHK13, Gia15, GT10, GK10, Han14, IKS12, KM13, RZ17, YFK11, Zha10, DS13]. **Linearization** [BTZ15, DP13, GS17, HS10b, JS14].

Linearized [Che18, DJMZ16, DKN11, FI14, TY11, Wu14b]. **Linearly** [Len14, MY12]. **Lines** [CM13, SWZ15]. **Linkages** [MO15]. **Liouville** [FR17]. **Lipid** [HD17]. **Lipschitz** [AC14, BPS16, BdHQ13, BdHFS16, CKZ17, GS10b, LTV17, WZ16, Xu16]. **Liquid** [CRWX16, DS14, DW13, Evj11, Evj13b, EW15b, FL15, GW13, HL12, HM12b, HM13, HW13b, INSZ14, LLW15, SS15, SW11a, YZZ10, YZZ12]. **Liquid-Gas** [HL12, YZZ10, YZZ12]. **Liquids** [BOS11]. **Live** [BFGPE⁺12]. **Lizorkin** [Tak10]. **Load** [MO15]. **Load-Dependent** [MO15]. **Loads** [BFGPE⁺12]. **Local** [AG16, AS15, Bev11, BC14, DLZ12a, Faj16, FQ11, GT16, GM10, GLW17, HNS17, Hof12, HR12, JTW16, KY12a, KMWV14, Tsu12, WXY15a, ZH10, ZT17, dHHI⁺14, Ngu16]. **Localization** [CDN10, NT13, PPP13, TD17]. **Localized** [AKKY17, DVW15, LMTT15, LL16b, Ngu17, PY14]. **Locally** [AVP16]. **log** [DP14]. **Logarithmic** [CCV15, DNS12, GP15, JHN12]. **Logistic** [DL10, DL13, DM14, TW11a]. **Long** [ADHZ15, BM18, CDX12, CPT10, Daf13, DF11, FPZ14, GW13, HMWY12, LP16, LS17, MM17, MZZ12, MSZ13, ST10, XX10, YZ14b]. **Long-term** [ADHZ15]. **Long-Time** [GW13, MM17, MSZ13, ST10, HMWY12]. **Long-Wave** [CPT10, MZZ12]. **Longtime** [CTW17]. **Loss** [Ria10, UWK12]. **Low** [Beb16, DD16, Gie14, HTX15, LST12, LWX11, MMB11]. **Low-Rank** [Beb16]. **Low-Temperature** [MMB11]. **Lower** [AKKL17, BMC18, BPW15, DLV10, MOR⁺16, Wal14]. **LQ** [ABL13]. **LQ-Problem** [ABL13].

Ma [LL12]. **Mach** [DD16, LST12]. **Macroscopic** [CH15]. **Magnetic** [ABGS10, AHP13b, Bos12, CWY14, DZ15, JJ18, Lee17, Pen17, PR13]. **Magnetically** [CCM14]. **Magnetoelasticity** [BFLS18]. **Magnetohydrodynamic** [DZ15, GLT10, HHPZ17, JLL10, JLL16, JLL13, LXZ13, Zhu15]. **Magnetohydrodynamical** [XZ15]. **Magnetohydrodynamics** [Bou13, CWY14, CW16, Lee17, WZ13a]. **Magnetostatic** [CP13]. **Main** [GVZ16]. **Malik** [CG11, KY15]. **Malliavin** [MZ13]. **Management** [CHL17]. **Manakov** [BK15b]. **Manev** [LMR13]. **Manifold** [GPPP13, TW10, VF13, VF15]. **Manifolds** [BMMP16, FGR15, HNW10, HNSW11, KMS15, Lau10, NS12, NRS17, Wei12]. **Many** [KY15, Pas13]. **Map** [Ash13, BFV17, Bon13, CGS10, HPS12]. **Mapping** [Mel12]. **Mappings** [MS11]. **Maps** [BB17, BK15a, RSS17, ZCO15]. **Marcinkiewicz** [GP18]. **Marginals** [Pas13]. **Mass** [AKKL17, ABBK16, EHM16, LWX11, Mar10, Pan12b, SM16]. **Mass-Action** [Pan12b]. **Mass-Conserving** [ABBK16]. **Mass-Critical** [LWX11]. **Master** [Bes16, ST17]. **Matched** [Kal12]. **Matching** [BOS17, MRT14]. **Material** [Bev11, LS16]. **Materials** [CC11]. **Mathematical** [BDEM18, BMSR⁺13, CDR17, ERV17, FHX10]. **Mather** [CGT11]. **Matrices** [MNS11]. **Matrix** [HZ10, LW16b, SZ11]. **Matter** [Igb12]. **Maxima** [AMW10]. **Maximal** [Jun14, vNVW12]. **Maximizing** [BBG17]. **Maximum** [AHØP13, KY12b]. **Maxwell** [Dua11, LYZ16, YY10, AC14, BPS16, BAH17, DLZ12b, HKN16, IK11, IKS12, JS13b, KLS15, LS13a, LS16, PWG11, PD17, UWK12, WFL12, Xu11, XXK13]. **Maxwellian** [KY12a, Yun15]. **Mean** [CDM16, CMP13, CNR17, Dai10, Due16, GMT16, GP15, GLT10, Hel12, HHR17, IT15, KK10, MPR10, MS18, Mit10]. **Mean-Field** [Due16, GP15, GLT10, IT15, Mit10]. **Meander** [DHPW14]. **Means** [Hal14]. **Measurable** [Kry14]. **Measure** [ABCL18, BDG13, DT14, EHM16, Mit10, NP16, Oh10, Rod16]. **Measure-Valued**

[EHM16, Mit10]. **Measurement** [MNT13]. **Measurements** [AHKM15, ADMR14, AGS13, CKS15, HPS12, KS14, KNW15, KLS11, LV13]. **Measures** [BKK18, BMC18, BK15a, BBV14, CGT11, CMWY16, KRW15, LS13c, PSSW15, Rou13, SSST15, XV10]. **Mechanics** [BS16b, JMNR11]. **Mechanism** [BLZ16]. **Mechanisms** [AS13, Cal15]. **Media** [AMP10, Alm17, ACM⁺12, AT14, BCN11, BC17a, CGM16, Can10a, Can10b, DKR16, DL15a, DT14, Ges13, HKK17, IKS12, LV12, LS10, LS12a, MMB11, NW17, SdlL13, dLSZ17]. **Medial** [ZCO15]. **Mediating** [MO15]. **Medium** [ACZ14, AZ17, BDG13, CT15, DGV16, FG15, HSV16, LL16a]. **Meets** [PR13]. **Membrane** [TZ15]. **Memory** [BDT12, dCPS16]. **MEMS** [GS15c]. **Mesh** [Kar12]. **Meshless** [BB10a]. **Meta** [LS16]. **Meta-Material** [LS16]. **Metamaterials** [CC11, CMM13]. **Metastability** [Car14, MS13a]. **Metastable** [GM17b]. **Method** [AM15, AVP16, BS16b, BRS17, CS18, CGS10, CPSW16, CV15, CDD⁺12, GL17, Kal12, Kar12, Kol11, KLS15, Len16, PY10, VW15a]. **Methods** [BCD⁺11, BC17c, GH10, VZ15, YMYC10, ZCO16]. **Metric** [BFY15, FK13, Igb17, KP13, MOS14, dHHI⁺14]. **Metrics** [GM13]. **MHD** [FFGHR17, TW18a, WWX15]. **Microelectromechanical** [CG10c]. **Microenvironment** [EW18]. **Microlocal** [FQ11, FGN13]. **Micromagnetics** [PY10]. **Micromotions** [Kha13]. **Micropatterns** [BW17]. **Micropolar** [BR17, BP12b]. **Microscopic** [LR13]. **Microstructure** [Bev11]. **Microstructures** [COS16]. **Microswimmers** [DDM11]. **Midrange** [BCQ12]. **Migration** [EW18]. **Mild** [KPR15]. **Mildly** [Ghi13]. **Mindlin** [BL15]. **Mineral** [HKK17]. **Minimal** [AP15, JS13a, Mar10, Pla14, dL14]. **Minimality** [BC14, CJP13, ZK15]. **Minimization** [AS14, BLS15, De 18, Li09, Li11]. **Minimizer** [Bev11]. **Minimizers** [DLSV12, FL15, HM12b, HM13, LS13c, MS14]. **Minimizing** [YZ16]. **Minnaert** [AZ17]. **Miscible** [DT14]. **Mittag** [TAGP18]. **Mittag-Leffler** [TAGP18]. **Mixed** [BPS16, CDN10, CNR17, HK15, Sho10, WW12]. **Mixing** [RZ17]. **Mixture** [Evj13b, JMZ18]. **Mixtures** [BPZ17, Gla17, GM17c, JS13b, MPZ15]. **mKdV** [KM17]. **Mobility** [Fis13]. **Mode** [YY14]. **Model** [Abe12, ASS16, AKKL17, Ai10, AF17, ALST14, Aud12, BFM12, BIP16, BFLS18, BWW14, Ber17, Bev11, BCQ12, BH11, BP14b, BPZ17, Can10b, CFRT10, CK12, CP13, CDM13, CTW17, Cho16, CDR17, CDNP16, CCM16, COS16, CHS13b, CWYZ16, CS14c, DD16, DF10, DS13, DSX17, DT14, DL10, DWZ10, DL13, DIT15, DKS16, ERV17, Evj11, Evj13a, EW15b, EW18, FZ16, FKM⁺16, Fis13, FGJ11, FL15, FHMP16, FHK11, FHX10, FL12b, FPTT12, GLL17, GM14, Gie14, Gla17, Gli13, GRT14, GW13, GN15, GGRB14, HL12, HD17, Hel12, HJ11, HMWY11, HMWY12, HO15, HNP13, HT18, Igb12, INSZ14, JMNR11, JLX15, KK17a, KY12b, Kom15, KK18, KT11, Kut15, Lai14, LMP11, LLP16, LR13, LMZZ17, LMZZ18, LS12b, LX16, LX17c, LZ18, LMMNR17, MO15, NT14, Ohn14, Otw10, Pes15]. **Model** [PRT15, Sab13, SV11, SZ12b, TW11a, TW15, Tro17, WX11, WWW12, WW12, WLT16, YZZ10, YZZ12, Yun15, dCPS16]. **Modeling** [BMY16, CCM12, CMM13, Cui13, DH10, DGVBW10, GR13a, KSW13, MBPS13, PPPV16, SSW14, WNRJ13, WX13]. **Models** [BS16a, BK13, BHR16, CNS10, CL13a, Chu14, CG10c, DFP14a, DFP14b, Duc10, GLS10, GZ14, GJMC12, HS16, HMSZ13, HY13, HMW11, JXZ16, KMT13,

Lóp12, LTW14, Mit10, RR13, SP13, Wen14].
Modes
 [Bar14, BCO17, BR11, DVW15, HW11].
Modified [GL17, GHLN13]. **Modulated**
 [BCS16]. **Modulation** [MBK13]. **Moist**
 [CCC+17]. **Molecular** [Li09, Li11].
Moments
 [CMWY16, Pal14, Sal12, TAGP18]. **Monge**
 [DF13, LR17, Pas11]. **Monochromatic**
 [IN13]. **Monostable**
 [MOZ10, MOZ12, HR15]. **Monotone**
 [BA10, BA12, FZ14, Feh13, FWW17, LA14].
Monotonicity [HU13, KMWV14, LL16a].
Monotonicity-Based [HU13].
Morphogens [CCM16, WW10]. **Morrey**
 [GP18]. **Mossotti** [Alm17]. **Motion**
 [ABK12, ABBK16, CM13, DDM11,
 GGAS14, GS12b, KMM11, KMS17, Le10,
 LZZ15, RZ14, SR14]. **Motions**
 [BR17, Bes12, YZ16]. **Movements** [BFV17].
Moving [AF16, BMSR+13, BHM17, CS15b,
 CS10b, EF15, FKN+14, HKK15, LMP11].
Mullins [Le10]. **Multi** [MRT15].
Multi-solitons [MRT15].
Multicomponent [JS13b, LS10, MPZ15].
Multidimensional [BEH15, Ber17, BGL12,
 BGLV16, BGN14, CP12, CLW12, Don11,
 FKV15, HL12, LWY18, LX16, TW15, ZH10].
Multilayered [Gla17]. **Multimarginal**
 [Pas11]. **Multiphase** [CDS10]. **Multiple**
 [DN12, EEW11, GIV17, KMWV14, LX17c].
Multiplicative [Cer11, Tan18].
Multiresolution [GI15]. **Multiscale**
 [FF12, FS14, SSW14, Wei12, ZCO15, Bos16].
Multispecies [DJMZ16]. **Multivalued**
 [GR15a, MS11]. **Multiwave** [Yos17].
Multiwavelets [GIV17, HZ10]. **Multiwell**
 [CC10, JS14]. **Muskat** [LM17]. **Myers**
 [LMTT15].
Nagumo [CS15a, CKM14]. **Nanowires**
 [Car14]. **Narrow** [CF11]. **Natural** [FT17].
Naturally [FHMP16]. **Navier**
 [Kim13, SS17, WLT16, ADL14, BV13,
 BFGPE+12, BFLN16, BM12b, BW12, Bre13,
 BMR14, BC17c, CDLLSG13, CRWX16,
 CS10b, CEIV17, Deu13, DF11, DWYZ12,
 FPVR13, GHMZ10, GP18, GW15, Hof12,
 HW17, HLW12, HW14, Hyn13, IK11, JJN13,
 JS13a, JLX15, JWX13, Jün10, Kim09,
 Kwe12, KK17b, LLW17, Lei16, LR15b, LS18,
 LST12, LMW17, LYZZ14, MOR+16, NPS13,
 PZ11, Per10, PW15, QW11, RZ14, TYZZ13,
 TWW15, VW15a, VY16, WXY15b, WZ13b,
 WZ17, XZL10, ZZ14, vBW11]. **Navier-Slip**
 [WXY15b]. **Near**
 [CH15, KY12a, LMW17, MRS16, Pen17,
 DT15, SWZ15, YT11, Yun15, ZT17,
 AHP13b, AZ17, GHMZ10, Kac14, Str10].
Near-Circular [YT11]. **Near-Equilibrium**
 [ZT17]. **Nearly** [BBG16, Sch17]. **Necessary**
 [Lee10]. **Negative** [CHW16, HV13, LS16].
Nelson [AF17]. **Nematic** [CRWX16, Ces11,
 Dai17, GW13, HM12b, HM13, LLW15, SS15].
Nematics [MN16]. **Nernst** [HL15, WLT16].
Network [GN15]. **Networks**
 [BW17, CG10b, DFT17, IT15, NRS17, PT11].
Neumann [Lai14, MT16, AKKY17,
 AMW11, Ash13, BFV17, HPS12, LT11,
 MT15, MB16, MR15, Sus13]. **Neumann-to**
 [HPS12]. **Neural** [IT15, VF13, VF15].
Neutral [DM15, GH12, WW12]. **Neutrino**
 [BFG+13]. **Neutron** [GY16b]. **Nevanlinna**
 [BOS17]. **Newton** [BFDJ13, Kar12].
Newtonian [CK13, Ara16, BKP13, BP14a,
 BP14b, BBS16, CK11, GVWK16, JH18,
 Kot12, Len14, Str10]. **Nicholson** [LLLM14].
NLS [HF13, LWX11, Mae17, Mur14]. **No**
 [GS15c]. **Node** [VW15b]. **Noise**
 [BBT14, BMY16, BG14, BHR16, BGAHS17,
 Cer11, CDM16, Tan18, WZ16].
Noise-Induced [BG14]. **Non** [BP14b,
 BBS16, BC11, GVWK16, JH18, KSW13,
 Kot12, Sen17, TWW15, TW18a, WZ16].
Non- [KSW13]. **Non-Flat** [TWW15].
Non-isothermal [Kot12]. **Non-Lipschitz**
 [WZ16]. **Non-Newtonian**
 [BP14b, BBS16, GVWK16, JH18, Kot12].

Non-Resistive [TW18a]. **Non-Self-Adjoint** [BC11, Sen17]. **Nonanalyticity** [MPN14]. **Nonassociative** [BFM12]. **Nonautonomous** [CHK15, CL17, FHK13, HR15]. **Noncharacteristic** [Ngu10]. **Nonclassical** [Can10b]. **Noncompact** [DL15a, JH18]. **Noncompatible** [JT13]. **Nonconservative** [CWYZ16]. **NonConvex** [GY16b, CGT11, NSS17]. **Nondiagonal** [AS13]. **Nondominated** [CEH14]. **Nonexistence** [GM14]. **Nonexponential** [RR17]. **Nonfocal** [FGR15]. **NonHomogeneous** [LT11, Ell12, FPVR13]. **Noninteger** [AS15]. **Nonintegrable** [EJ14]. **Nonisotropic** [JL16, LW14b, WFL12]. **Nonisothermal** [FHK11, LS10]. **Nonlinear** [AS14, ACJ12, AS15, BBT14, BHSZ10, BDT12, BHUY12, BDPS10, BO16, CDS10, CGP13, CS10b, CC10, CR10, CH11a, CK11, CK13, CO12, CN15, CG10c, DMZ14, DLZ15, FY13a, GZ13, Gie14, GM15, Gro10, GHLN13, GP11, HKN16, HJ15, JZN11, Jun14, Koll11, KK10, Kry13, Lau10, Len16, LS12b, MPR10, Mar10, MS13a, Med14, MOS14, MO15, MC14, NS12, Oh15, PPPV16, Pan12a, Ped15, RTZ17, Sab13, SZ12b, SP13, Sch10, Sho10, SV14, TW11a, Wan13, Yos18, Zho15, vBM14]. **Nonlinearities** [AS15, CF14, Cer11, CHL17, DG11, DR13, Feh13, GP15]. **Nonlinearity** [BC17b, CCNP17, IS13]. **Nonlocal** [ABR17, AG16, AM15, ADHZ15, BT16, BMC14, BMC18, BC14, BRS17, BCQ12, Cha14, CMP13, CW13, CEQW16, CT16, DSV15, DH10, DM14, DGVBW10, DFHM14, GT16, HLGMM14, IISD15, KLV17, Le10, LR11, MOZ10, MOZ12, MS14, PZ17, SV11, ST17, TD17, TW18b, VZ15, Zha14, vBM14, BMY16]. **Nonmonotone** [LLLM14, YZ15]. **Nonnegative** [CPT10]. **Nonnegativity** [LW15]. **Nonneutral** [GMP13]. **Nonoscillating** [Dan17]. **Nonrelativistic** [BC17b, JLX15, RR13]. **Nonsmooth** [BO16, CLW17, Dan17, HK15]. **Nonstandard** [CGS17]. **Nonstationary** [CW16, Kha13, PY14, RZ14]. **Nonstrictly** [Lu13]. **Nonsymmetric** [AZ12, Nad10]. **Nonuniform** [HKT18, TW11b]. **Nonuniqueness** [KZ11]. **Nonvanishing** [AFT15]. **Nonzero** [BK15b, Deu13, vBW11]. **Norm** [CNR17, HNSW11]. **Normal** [AHP13b, Ber12a]. **Norms** [BFFO17]. **Nozzle** [FL12a, LW14a]. **Nozzles** [BDX14, CDX12, WX15, XX10]. **Number** [Bou13, DD16, DLZ15, LST12]. **Numerical** [ADHZ15, YMYC10]. **Numerics** [vdBMJLM11]. **Object** [Ngu17]. **Observation** [Ngu15]. **Obstacle** [ALP15, Cav12, DD18, Igb17, EH16]. **Obstacles** [NUW11]. **Occurring** [DKR15]. **ODE** [INSZ14, LMP11, SSW14]. **ODEs** [LWZ16]. **Ohm** [JM12]. **Ohta** [Le10]. **Oil** [Can10b, Evj11]. **Oil-Trapping** [Can10b]. **Oldroyd** [FZ16, LZ18]. **Oldroyd-B** [FZ16]. **Oleinik** [Naz12]. **One** [ABCL18, ALST14, ABK12, BBM12, CCNP17, CPSW16, CH13, CG11, CDK11, CEQW16, DY10, EP12, EM10, DFHM14, GIP⁺13, GZ13, HS10b, HL15, HLW12, JK10, LR11, LYZZ14, MNT13, Nii12, Nol11, OW14, Pol17, SdlL13, TYZZ13]. **One-Dimensional** [ABCL18, ALST14, ABK12, BBM12, CCNP17, CEQW16, EP12, GIP⁺13, GZ13, HLW12, JK10, LR11, Nii12, OW14, SdlL13, TYZZ13, LYZZ14, Pol17]. **One-Species** [DY10]. **One-Step** [HS10b]. **Only** [Can10a, Can10b, CWY14]. **Ono** [Oh10, Wu16, Wu17]. **Open** [DFP14a]. **Operator** [AH16, AV16, AKKY17, AVP16, Bar14, BNDHV10, BC11, CP13, FQ11, GP14, GHH17, GH18, GLT10, GHLN13, HKK13, Jia12, KP13, Nad10, Wu16, Zha14]. **Operators** [AF16, Ale16, AZ12, AMV15, DL15a, DKR15, FR17, GR15b, HS10c, HKOP10, HKOP11, HW11, JHN12, Mel12,

Nii12, PZ17, Sen17, Syl12]. **Oppositely** [BKR16]. **Optic** [CS17]. **Optical** [ES10, FW18, YZ14a]. **Optics** [Ben17, CDS10, Ngu13]. **Optima** [BH11]. **Optimal** [BBG17, BKR16, Bon13, BFLS12, BW17, Bru16, Can10a, CGS10, CDPS17, Cav12, CLLS17, DKR15, GX17, HW13a, KW12, Lee10, LX17a, LMS16, LR17, MRT14, MS11, Pas11, Pas13, VZ15, Che15]. **Optimality** [AHP13a, AHKM15]. **Optimally** [GL12, KLL12]. **Optimization** [BFV17, BBV14, HS16, LR17]. **Optimize** [EH16]. **Orbit** [BG14]. **Orbital** [CPP18, KK18]. **Orbits** [GL15, XYZ16, vdBMJLM11]. **Order** [AI12, BFFO17, Bos16, CJP13, DKR15, FQS10, GVZ16, Gie14, Hal13, IM10, Kac14, Koc16, KNR12, LN10, MS18, Val15]. **Ordinary** [GS12a, IM10]. **Organized** [JXZ16]. **Oriented** [FL12b]. **Orlicz** [BCD17b, NP16]. **Orthogonal** [GIV17, SSST15]. **Orthonormal** [HZ10]. **Oscillating** [Bos12, CGM16, EP12, GS15a, LW15]. **Oscillations** [CTW13, CV12, DM15, LXZ13, SW11b]. **Oscillator** [BMY16, Tro17]. **Oscillatory** [AVP16, CS15a, DVW15]. **Oseen** [PWW17]. **Ostrovsky** [HSS17, LPS10]. **Ostwald** [Yos17]. **Other** [BKR16, CG10c, FGJ11, VZ15]. **Output** [CW13]. **Overlap** [AAK14, ADK15]. **Oxidation** [MMB11].

P1 [JLX15]. **Packets** [dHGR14]. **Painlevé** [LW16b, dMIS10]. **Painlevé-Type** [dMIS10]. **Pair** [Sab13]. **Pairs** [SZ11]. **Palais** [CLW17]. **Panel** [LW16a]. **Parabolic** [AI12, BBT14, BT16, BST17b, BO16, Cal15, Cui13, Dan17, DdMH15, DV10, DS13, DK11, DK14, EJ14, EMZ17, FS15, Gia15, Hal13, HK15, HS13, KLV17, Kry13, Kry14, LMR15, MPR10, MS13a, Pan12a, Pim16, PY14, Pol17, RTZ17, ST10, ST17, Ter11].

Parabolic-Hyperbolic [Cui13]. **Paradox** [LL11]. **Parallel** [Bre13, Kar16]. **Parameter** [Kac14]. **Parameters** [KLS11, Pen15]. **Parametric** [HS13]. **Paraorthogonal** [Sim16]. **Parseval** [GL12]. **Part** [GS17, AHP13b, DFP14a, DFP14b, Pao15, Pao16, Val15]. **Partial** [AGS13, BCD⁺17a, CCFdL14, CW16, CMM13, DdMH15, DLSV12, DZ15, GK10, Hal12, Hal13, Hyn13, Igb12, Kia16, YZ14b]. **Partially** [DK11, MY12]. **Particle** [ALST14, BCL11, CPSW16, GL17, IT15]. **Particles** [Bos12, Ces11, DGV16, FL12b, SY14, WLT16]. **Partitions** [OR17]. **Passage** [BG14]. **Past** [CY15, CKZ17]. **Pasta** [FW18, Miz11]. **Patch** [BGLV16]. **Patches** [SWZ15]. **Path** [BB10b, RTZ17]. **Path-Dependent** [RTZ17]. **Paths** [LSW17]. **Pathwise** [Tan18]. **Patlak** [BK13, BH17, KY12b]. **Pattern** [HSV16, Yos17]. **Patterns** [dRDR16]. **PCM** [WX12]. **PDE** [ALS15, CWH18, CK12, Dan17, LMP11, LMR15, RR15, SSW14]. **PDEs** [ABL13, BEH15, Bos16, HS13, RTZ17]. **Peak** [BOS17]. **Pearling** [DHPW14]. **Pekar** [LR13]. **Penalization** [CLLS17]. **Penalty** [AF15]. [ADL14]. **Allen** [XZL10]. **KP-I** [CR10]. **Positron** [Sab13]. **Regular** [Cha14]. **Pencil** [Ria10]. **Pencils** [Kol11]. **Penetrable** [HL11, LX17b, NUW11]. **Perfect** [BKR16, LX17a, MR15]. **Perfectly** [Alm17, Kal12, MNT13]. **Perforated** [PPP13]. **Performance** [HR12, WX12]. **Peridynamics** [BMC14, BMC18]. **Periodic** [Ale16, AVP16, BM15a, BG14, BCG10, Bre13, BR11, CL17, CKS15, CDD⁺12, Daf13, DL15a, DVW15, EF15, GP14, HSS17, Hen10, HW11, HWZ12, HJ15, IM10, JX15, JZ10, Joh13, KZ11, LR15b, LZZ17, LW15, Mae17, Nad10, Nii12, Oh15, PZ17, Pra13, RZ16, Sch10, Sen17, Sus13, TZ18, TY11, Tsu12, Wan13, XY14, XYZ16, YCW10, dRDR16, dLSZ17, vBW11, GZ13, HGW14, SdLL13].

Periodic-Coefficient [RZ16]. **Periodically** [CCCdL17, DN12]. **Periods** [HWZ12]. **Permanence** [BS16a, RSS17]. **Permittivity** [GS15c]. **Perona** [CG11, KY15]. **Perpendicular** [AHP13b]. **Perry** [LMTT15]. **Persistence** [GRT14, Le 13, Pan12b]. **Perturbation** [ETZ13, Ess16, HW17, Le 13]. **Perturbations** [BFN⁺13, DVW15, GVZ16, JT13, Mar10, Smi17]. **Perturbed** [AMW11, Cer11, CDZ13, ILR17]. **Peterlin** [LMMNR17]. **Petviashvili** [EL17, ILP16, JZ10]. **Phase** [AG17, ALP15, AP11, BKLU18, BBG12, BCQ12, Can10a, Can10b, CP12, Cho16, CDNP16, CL13b, Evj13a, Evj13b, FL12a, FGJ11, FL12b, GM17c, GR13b, HNS17, HL12, HD17, HK15, HMSZ13, JMZ18, KLO16, LWZ16, RZ17, RR15, Ter11, YZZ10, YZZ12, Abe12]. **Phase-Field** [CL13b, FGJ11, HD17]. **Phase-Space** [AP11]. **Phaselocked** [Tro17]. **Phases** [BKR16, ST11]. **Phenomena** [FQS10, FGJ11, Gia15]. **Phenomenon** [RTY16]. **Photoacoustic** [SY17]. **Physical** [EW18, Lei16]. **Physics** [NOS12]. **Phytoplankton** [DH10]. **Pick** [BOS17]. **Piecewise** [Sei14, Tej17]. **Pinning** [WY13]. **Pipes** [Ara16]. **Pipkin** [EI11]. **Pitaevskii** [BAC12, CPP18, HTX15, ILR17, KMS17, Tri18, WY13]. **Place** [TZ15]. **Placement** [EH16]. **Planar** [BL11, BL14, BM18, CKM14, Pol17, SY17, dHhMV16]. **Planck** [WLT16, GHMZ10, HL15, KKT17, LMW17, YY10, Zha14]. **Plane** [AHP13b, BK15a, CW16, Dai10, ESvR12, HPS12, LTV17, MPS17, Sei14, Tej17]. **Planetary** [HCHY16]. **Plasma** [CCM14, HK10, NOS12, Ohn15, Otw10, Sch14a, Sch17, WFL12]. **Plasmas** [NS13]. **Plastic** [BMY16]. **Plasticity** [BFM12, CDK11, DF15, GS17, SZ12b]. **Plate** [MRV12, SV18]. **Plateau** [AAD13]. **Plates** [CNS10, MPT18]. **Poincaré** [AKKY17, BB17, DNS12]. **Point** [AMV15, ALM10, GM15, HSV17, HPS12, Lee16, Nii12, PT11, Sei14, vBM14]. **Points** [BOS17, BV10, GS15c, LWZ15, Ono11]. **Pointwise** [DKN11, Wu14b]. **Poisson** [DY10, DL15b, Li11, Wan12, BDX14, BAC12, DGV16, Des14, GM11, GMP13, HL15, Kom15, KK18, Li09, LP16, LS17, Mas11, NOS12, Ohn15, Pal14, Pen15, Pu13, TYZZ13, TWW15, WLT16, Wen14]. **Polarized** [GG10]. **Polarons** [LR13]. **Pole** [AF16]. **Polygon** [Ash13]. **Polygonal** [BDEM18, BFV17, DT15]. **Polygonal-Shaped** [BDEM18]. **Polyharmonic** [BB10a]. **Polyhedrons** [Ber12b]. **Polymeric** [CL13a, LS12b]. **Polynomial** [Cer11, HS13, RR17]. **Polynomials** [And12, GIV17, SSST15, Sim16]. **Polytopes** [DK14]. **Polytropic** [FHK11]. **Population** [Lam12, Mit10]. **Poroelastic** [LP14]. **Porous** [AMP10, ACM⁺12, AT14, BDG13, Can10a, Can10b, DKR16, DT14, FG15, Ges13, HKK17, LS10, LS12a, MMB11]. **Posed** [CM11, CWH18, HKK13]. **Posedness** [ADL14, ALST14, AN15, BG17, BTZ15, BFS14, CGP13, CHS13a, Faj16, GM10, Gna15, HNS17, HL12, HX10, HY14, IKS12, JTW16, KM17, LS13b, LPR12, LPS13, NN12, RV12, TW18a, Tsu12, WXY15a, WLT16, Wu14c, XXK13, ZZ14, ZT17, Abe12, DZ15, KMVW14]. **Positive** [CF14, FG18, LV15]. **Positivity** [SV18]. **Potential** [ADHZ15, BM15a, BDG13, CH15, CKS15, GZ13, JS13a, Kai17, LW16a, LZZ15, LWY18, LS15, Mae17]. **Potentials** [BBV14, CK11, CK13, FY13a, DFHM14, Kia16, TAGP18, Tej17]. **Power** [AF15, AS15, AGS13, AP14, DFHM14]. **Power-Law** [AP14]. **Prandtl** [KMVW14, LWX16, WXY15a]. **Precipitation** [HKK17]. **Precompression** [DP14]. **Predator** [BS16a]. **Prescribed** [BOS17, KRW15, TZ13]. **Presence** [BW12, KM13, MNT13, WBS13].

Preservation [dCPS16]. **Preserving** [BKP13, Dai10]. **Pressure** [CP12, Evj13a, GS12a, JMZ18]. **Pressure-Dependent** [Evj13a]. **Pressureless** [Ber17, CSW15]. **Preventing** [HJ11]. **Prey** [BS16a]. **Primitive** [LT17, TW10]. **Principal** [DL15a, LZZ17, Nad10]. **Principle** [AHØP13, AF17, BM15a, Cer11, CL17, Kal12, KY12b, KR10, Nol11, SX13]. **Principles** [FR17]. **Priori** [LM14]. **Probability** [CMWY16, PSSW15]. **Problem** [ABL13, AHP13a, AI12, AH13, ALP15, AM15, AT14, AMW11, AN15, BL11, BL14, BDEM18, BdHQ13, BdHFS16, BMSR⁺13, Ber12b, BG17, BC14, CCG10, CCH10, CGM16, CDN10, Cav12, CLLS17, CF11, CGP13, CP10, CP11, CT15, CCLM15, CH11b, Cui13, Dai17, DD18, DKR16, DLVW13, DSV15, DG16, DH10, DLZ12b, Fai14, GS15c, HNS17, HHR09, HHR11, Hof12, HKT18, HW17, HLGMMM14, HCHY16, HPS12, ILR17, IY12, JTW16, JJ18, Kai10, KM13, Kar16, KLW17, KT13, KW12, KLO10, KT11, Lai14, LV12, LTV17, LM17, LX17a, LR17, LT11, LS12b, LS13c, MY12, MRT14, MBPS13, MS14, MR15, PPPV16, Pas11, PPP13, Pla14, Poh15, QW11, Rei18, SZ12a, SWX17, ST17, Sus13, TW18a, TY11, Ter11, TW18b, Ves15, WW12, WNRJ13, Wu17, Yos17, Yos18, YZ16, ZT17]. **problem** [Che15]. **Problems** [Ale16, AF15, BKK18, Bar14, BT16, Beb16, BMC14, BMC18, Ben17, BMY16, BRS17, BLS15, BR11, BBV14, CQ12, CM14, CG10c, DKR15, DMZ14, DLZ15, ES10, Ell12, ERV17, EHM16, FQ16, GIP⁺13, GY16a, HMS14, HSV16, HWWY13, Kar12, LV10, Len16, LP14, MPT18, MM11, Moa11, NP16, Otw10, Pao15, Pao16, Pas13, RR17, Sei14, Tre13, Xu16]. **Procesi** [HZFQ13]. **Process** [AH18, BHM17, HS14, KSW13]. **Processes** [MP12, PT11, RT17, Rou10, YMYC10, ZK15]. **Processing** [CM13]. **Product** [DS10a, GS12a, HMZ15]. **Production** [Sab13]. **Profile** [ABCL18, GS15c, LMZZ17, LMZZ18, Mei10, TWW15]. **Profiles** [GP18, GLW17, Lam12, LMN⁺10, dCPS16]. **Programming** [LV13]. **Projection** [KP13]. **Projector** [HNSW11]. **Proof** [CSW15, CM13, HM12a, RR13]. **Propagating** [Pol17]. **Propagation** [DO16, DIT15, FY13b, FG15, Ges13, Gia15, HX14, ILP16, Pal14, Qin15, RTV17]. **Propelled** [DDM11]. **Properties** [AIK10, BCDG16, BST17b, BKR16, DGVBW10, FQ11, GH18, KY12b, LS13c, Mel12, Rod16, WU14a, ZK15]. **Property** [BPS16, CKY13, Dua11, Jia12, KW11, LN10, Ngu16]. **Proximity** [Gro10]. **Pseudo** [BB10a, Ngu16]. **Pseudo-local** [Ngu16]. **Pseudo-Polyharmonic** [BB10a]. **Pseudoidentity** [SZ11]. **Pull** [CG10c]. **Pull-In** [CG10c]. **Pullback** [ZK15]. **Pulse** [HSS17, dRDR16]. **Pulses** [CS15a]. **Pure** [BHR16, dHGR14].

Quadratic [GH10, IS13, Kar12, LV13]. **Quadrature** [CM14, Lit13]. **Qualitative** [ÁCDP14, CKY13, Lei13, Ter11]. **Quantitative** [BdHFS16, CJP13, Neu16]. **Quantities** [Daf14]. **Quantization** [WX12]. **Quantum** [BJ16, CKS15, Ilm16, Jün10, KLO16, LR13, LP16, VY16]. **Quasi** [Abe12, And12, BFM12, BK15a, CCCdIL17, CV16, DNK12, DS13, DLSV12, DM15, EW15a, GZ13, GS17, HGW14, Kal12, Mae17, PX13, SdlL13, Tsu12, WW12, dlLSZ17]. **Quasi-Conformal** [BK15a]. **Quasi-convex** [DLSV12]. **Quasi-cylindrical** [Kal12]. **Quasi-Filling** [CV16]. **Quasi-Geostrophic** [EW15a]. **Quasi-incompressible** [Abe12]. **Quasi-Linear** [DNK12, DS13]. **Quasi-Neutral** [DM15, WW12]. **Quasi-Periodic** [Mae17, Tsu12, dlLSZ17, GZ13, HGW14, SdlL13]. **Quasi-Periodically** [CCcdIL17]. **Quasi-Smooth** [And12]. **Quasi-Static**

[GS17, BFM12]. **Quasi-Töplitz** [PX13].
Quasilinear
 [BYH15, DdMH15, Ria10, Sug16].
Quasineutral [HKN16]. **Quasistatic**
 [AH18, MC14].

Radial [CK11, CK13, CNR17]. **Radially**
 [ACM⁺12, BGL12, LM14]. **Radiating**
 [Ohn14]. **Radiation** [JLX15, WX11].
Radiative
 [AH13, BCS16, DD16, LMN⁺10, SW11b].
Radius [Bos16]. **Radon** [CNR17, FQ16,
 Moo16, Ngu15, PW15, Rod16]. **Ramified**
 [AT10]. **Random**
 [Alm17, BB17, BP10, CDZ13, FR17,
 GGAS14, HS13, KVM17, Koc16, LMR15,
 LW16b, MJ14, MZ13, Nol11, Smi17].
Randomly [FFGHR17]. **Range** [ST15a].
Rank [Beb16, FWW17]. **Rao** [GM17a].
Rapidly [EP12]. **Rarefaction** [DL15b,
 HLW12, JWX13, LW17, Per10, ZH10].
Ratchets [KUV16]. **Rate**
 [AHKM15, ABCL18, BHWY12, CMM10,
 CT11, Dai10, IM10, RT17, Rou10].
Rate-Dependent [RT17].
Rate-Independent [RT17, Rou10]. **Rates**
 [BCD⁺11, BOS11, Che12, CWYZ16, Ess16,
 HW13a, MS13b, Sri11, XY14, Xu16, dCPS16].
Ray [Mon16]. **Rayleigh**
 [GH10, GT10, JJ18]. **Reacting**
 [BP14b, BPZ17, CKZ17]. **Reaction**
 [AKKL17, ÁCDP14, Cer11, CL17, DFT17,
 DH10, FHK13, GLS10, GST13, HS10a,
 HHMM18, LW12, LZZ17, LMS16, MOZ10,
 MOZ12, MO15, MB16, MS16, PSV10, SM16,
 TV18, WW10]. **Reaction-Diffusion**
 [DFT17, LZZ17, MOZ12].
Reaction-Hyperbolic [FHK13].
Reactions [HKK17, JMN11]. **Reactive**
 [AMP10, HKK17]. **Real** [DKR15, WW10].
Real-World [DKR15]. **Rearrangement**
 [Bon13, Nad10]. **Receiver** [AFK⁺18].
Receptor [ERV17]. **Receptor-Ligand**
 [ERV17]. **Reciprocals** [And12].

Reconstruction [BFRV13, HS10b, HU13,
 KS14, KLO10, NUW11, Tej17, dHHI⁺14].
Reconstructions [AHP13a, AHKM15].
Recovering [Hal14]. **Recovery**
 [Kia16, LV13, SSST15, TW11b]. **Rectifiable**
 [De 18]. **Recurrent** [FGW13, PY14].
Recursive [XYD18]. **Reduced**
 [BCD⁺11, GZ14]. **Reduction**
 [BFY15, CCLCP13, KK16, SW11a].
Redundant [KNW15]. **Refined**
 [GLW17, Sal12]. **Reflecting** [NS13].
Reflection [Muñ12]. **Reflections** [DG11].
Reflectivity [FGN13]. **Refraction** [Muñ12].
Refractive [Kar16]. **Regime**
 [BS16a, BJ16, BCL11, Bos16, DIT15, GLL17].
Regime-Switching [BS16a]. **Region**
 [HMSZ13, HCHY16]. **Regions**
 [CCH10, CH11b, KMWV14, TZ13].
Regression [XYD18]. **Regular**
 [FT17, GL15, PZ13]. **Regularity**
 [AC14, BKL18, BGLV16, BT12, CW16,
 CLLS17, Che18, Dai17, DF13, DdMH15,
 DLSV12, DKR15, DW13, FR17, FS15,
 GS12a, GS15b, GGRB14, GY16b, HX14,
 HS13, HY13, HTX15, Hyn13, ILP16, KW12,
 Kwe12, KK17b, Lee10, LJ17, LWX11, LZ17,
 LZ18, MRS16, PZ11, Pal14, Rod16, SWZ15,
 ST17, UWK12, WWW12, WZ13a, WXY15b,
 WX13, ZCO15, Zho15, vNVW12, Che15].
Regularity-Loss [UWK12].
Regularization [ES10, Val15].
Regularized [CT16, GH12, HSS17, Ngu13].
Reissner [BL15]. **Reiterated** [FF12].
Related [CL13a, INSZ14, LW16b, MPR10,
 MP12, MRT15, MP14, Tak10, ZF12].
Relations [MJ14]. **Relationships** [LA14].
Relative
 [BL14, CV15, CK11, CK13, CCLM15, Gie14,
 JJN13, LT13, LZ18, VW15a]. **Relativistic**
 [BAH17, HX14, RR13, Str10, SY14].
Relaxation [BKK18, BMC18, Daf14, Ess16,
 LT13, OW14, PWG11]. **Relaxed** [LPR12].
Relevant [Evj11]. **Reloaded** [FS14].
Remarks [CEIV17]. **Remodeled** [MJ14].

Renormalization [BBG16, Sab13]. **Renormalized** [AF17]. **Reparametrizations** [Bru16]. **Replication** [CK12]. **Replicator** [KLW17]. **Representation** [Wei12]. **Representations** [GL12, WX12]. **Repulsion** [DFHM14]. **Repulsive** [Rei18]. **Resampling** [AHP13a]. **Reservoir** [Evj13a]. **Resistance** [AP15, Pla14]. **Resistive** [KT11, TW18a]. **Resolution** [LL11]. **Resolved** [Gli13]. **Resolving** [AGS13]. **Resonance** [AKKY17, FQS10, LL16b, MMB11, Ngu17]. **Resonances** [LS15]. **Resonant** [AZ17, HGW14, PD17, dLSZ17]. **Resonators** [Lei10]. **Respect** [BDEM18, FWW17, Sal12]. **Response** [CCCdL17]. **Restitution** [AL10]. **Restoration** [DSX17]. **Restricted** [BL11, BL14, KW11]. **Restriction** [Sch14a]. **Result** [BRS17, BM15b, CP12, DDM11, DdMH15, LMMNR17, MRS16, Pao15, Poh15, VF13, VF15]. **Results** [AB10, BC14, CGP13, Chu14, DP13, FKM⁺16, GS12a, INSZ14, JS14, KZ11, RV12, RT17]. **R  thy** [CDX17]. **Retrieval** [AG17]. **Revisited** [CS18]. **Revisiting** [DF15]. **Reynolds** [Bou13]. **Ribbons** [FHMP16]. **Riccati** [dRDR16]. **Riemann** [CQ12, FKV15, HWWY13, Lai14]. **Riemannian** [BMMP16]. **Riesz** [Due16, HSV17, HR12]. **Rigid** [BST17a, CDK11, GS12b, MRV12, MR15]. **Rigidity** [CC10]. **Rigorous** [BFLN16, CCC⁺17, CM12, CT14, WZZ15, vdBMJLM11]. **Rimming** [BC11]. **Ring** [ST11, WY13]. **Rings** [LS13a]. **Ripples** [FW18]. **Ritz** [GH10]. **Robin** [AS13, BMMP16, Sin10]. **Robust** [RSS17]. **Rods** [BFLS12]. **Roles** [TW11a]. **Roll** [JZN11, Le 13, RZ16]. **Roll-Waves** [Le 13]. **Root** [Bru16]. **Rotating** [Che12, DKN11, FGN12, SW17]. **Rotation** [CFGL17, EL17]. **Rotation-Two-Component** [CFGL17]. **Rotational** [KY12a, MO14]. **Rotationally** [GM10]. **Rotator** [GPPP13]. **Rothe** [BS16b]. **Rough** [AB10, BP12b, CDLLSG13, CWE10, DG16, EH13, GVWK16, HL11, LWZ11, She15]. **Roughness** [CM12]. **Roughness-Induced** [CM12]. **Rule** [CD11]. **Running** [AMW10]. **Saari** [YZ16]. **Saddle** [VW15b]. **Saddle-Node** [VW15b]. **Sampled** [ZCO16]. **Samples** [TW11b]. **Sampling** [AHP13a, AHKM15, BFY15]. **SAR** [AFK⁺18, FGN13]. **Satisfying** [LL12]. **Saturated** [Mar10]. **Saturation** [Cal15]. **Saxton** [Wun10]. **SBV** [BT12, DLV10]. **Scalar** [CGM16, CV15, CKS15, CW13, Daf13, HKK13, IM10, Jun14, Lai14, LMN⁺10, LW17, MS13a, MY12, Yos17, Yos18]. **Scale** [FR17, GW15]. **Scale-Invariant** [GW15]. **Scaled** [ET16, KMS17]. **Scales** [Lei16]. **Scaling** [BW17, GZ14, GH14, dCPS16]. **Scatterers** [Lee16]. **Scattering** [ACZ14, BYZ12, BDEM18, BV10, BK15b, CGM16, CLM17, CWE10, CWH18, CM14, EH13, GHLN13, HL11, HSV16, IN13, LL16a, LWZ11, LS15, LX17b, Mur14, NUW11, Spe14, Wu16, Wu17]. **Scheme** [CHW16, CG11, FL17, GM17a, Ngu13]. **Schemes** [BHSZ10, CDPS17, Gro10, GK10]. **Schr  dinger** [AH16, AS15, Bar14, BdHQ13, BFDJ13, CDS10, CR10, CO12, Com17, FY13a, GZ13, GM11, GHLN13, GP11, HS10c, HW11, Ign10, IY12, Kom15, KK18, Lau10, LS17, Mar10, Mas11, MS16, Nii12, Oh10, Oh15, Wan13]. **Schr  dinger-Type** [BdHQ13]. **Schwarz** [Nad10]. **Scott** [vdBMJLM11]. **Screening** [BKR16]. **Screens** [CWH18]. **Screw** [HO15]. **SDE** [WZ16]. **Sea** [CS15b]. **Seawater** [CDR17]. **Second** [AI12, BFFO17, Ber12b, CJP13, DKR15, FQS10, Kac14, LN10, MS18]. **Second-Fourth** [LN10]. **Second-Order**

[BFFO17, DKR15, FQS10, MS18]. **Sections** [DFP14a, DFP14b]. **Segel** [BK13, BH17, CLW12, HJ11, KY12b]. **Segregation** [GM17c]. **Sekerka** [Le10]. **Self** [AT10, ABCL18, BC11, CMM10, CH11a, CDNP16, DDM11, ER12, Gna15, GM15, GP18, JXZ16, LLW17, LvR15, LM17, LMR13, LNZ14, RR13, Sen17]. **Self-Consistent** [CH11a]. **Self-Gravitating** [RR13]. **Self-Organized** [JXZ16]. **Self-Propelled** [DDM11]. **Self-Similar** [AT10, ABCL18, ER12, Gna15, GP18, LLW17, LvR15, LMR13, LNZ14]. **Self-Similarity** [CMM10, LM17, GM15]. **Semi** [CMP13, FT13]. **Semi-geostrophic** [FT13]. **Semi-implicit** [CMP13]. **Semiclassical** [AH16, AP11, DR13, HS10c, LWZ16, PR13]. **Semiconductors** [HMWY11, HMW11, HMWY12, LMZZ17, LMZZ18, WW12]. **Semicontinuity** [BMC18, DLV10]. **Semicontinuous** [BPW15]. **Semidiscrete** [BHSZ10, CG11, GM14]. **Semiflows** [FZ14, FWW17]. **Semigroup** [EW15a, MT13]. **Semihyperbolic** [SWZ15]. **Semilinear** [BMMP16, HS16, KVM17, Lam12, MQS12, Moa11, Pim16, PY14, Pol17, QS12]. **Semipermeable** [GHH17]. **Semitrivial** [CO12]. **Sensing** [BDWZ12, KNW15]. **Sensitivities** [Win15]. **Sensitivity** [BL15]. **Separating** [Evj13b]. **Sequence** [LJ17]. **Serrin** [HLX11]. **Serrin-Type** [HLX11]. **Set** [BL11, CGH10, GMT16, Pan12a, Tan15, Val15, ZK15]. **Set-Valued** [ZK15]. **Sets** [BLS15, BFLS12, DZ14]. **Setting** [AG17, CGT11, NP16]. **Several** [Daf13]. **Shallow** [Che12, DLVW13, DLZ12a, Duc10, HT18]. **Sham** [SCB17]. **Shape** [BFV17, BL15, CTW13, HS10b, HU13, HS16, HSV16, LS13a, XYD18]. **Shape-Reconstruction** [HS10b]. **Shaped** [BDEM18]. **Shapes** [BBG17]. **Sharp** [AHP13a, BSW16, Bra16, CNS10, CP10, CN15, DMZ14, EW15a, LV15, ZH10, ZCO15]. **Sharp-Interface** [CP10]. **Sharpening** [CM11]. **Shaw** [Ono11, TW18b, YT11]. **Shear** [BH17]. **Shearlet** [KLL12]. **Shearlets** [GL12]. **Sheets** [MO14]. **Shell** [AMV15, BHR16, CS10b, DLVW13, Len14]. **Shells** [GH14]. **Shift** [ABR17, DT15]. **Shigesada** [Kut15]. **Shock** [LMN⁺10, LWY18, Ohn14, WW15, Yos18]. **Shocks** [BHSZ10, Can10b, CV15, GM14, Sch14a]. **Short** [CV15, DF11, FPZ14, HSS17]. **Short-Time** [CV15]. **Shortening** [CM13, Dai10, ESvR12]. **Shrinking** [Fis13, Kut15]. **Side** [BHRW16]. **Side-Stepping** [BHRW16]. **Sided** [BHSZ10]. **Sign** [LL16a]. **Signal** [LV13, TW15]. **Signed** [LV15]. **Similar** [AT10, ABCL18, ER12, Gna15, GP18, LLW17, LvR15, LMR13, LNZ14]. **Similarity** [CMM10, CT14, Don11, LM17, GM15]. **Simple** [CSW15, CK12, DK14, Mon16, RR13]. **Simplicity** [Wu16]. **Single** [AP15, CCC⁺17, DHPW14, HSV16, JMZ18]. **Single-Curvature** [DHPW14]. **Single-Phase** [JMZ18]. **Singular** [AFK⁺18, BP10, BBS16, Cha14, Che12, DS10a, DG11, DG16, FGN12, FT13, GIP⁺13, GR15a, JT13, KK15, Lac15, MM17, MP12, MBPS13, Pes15, WX11]. **Singular-Degenerate** [GR15a]. **Singular/Regular** [Cha14]. **Singularities** [CHL15, DO16, GL12, JS13a, VW11]. **Singularity** [CH15, CPZ17, Kwe12, WWW12]. **Singularly** [AMW11, CDZ13, ILR17]. **SIS** [CTW17]. **Sixth** [KNR12]. **Size** [BDPS10, DF10, DLVW13, Tro17]. **Size-Dependent** [DF10]. **Slater** [CS18]. **Slightly** [CDLLSG13]. **Slip** [CDK11, MPS17, WXY15b]. **Slip-Plane** [MPS17]. **Slonczewski** [MP13]. **Slow**

[Ale16, CL17, CG11, NT14, She15, TW15, TW10]. **Slowly** [FY13b, LW15, Muñ12].

Smale

[CFRT10, CLW17, HKK15, Pes15, PRT15].

Small

[BYH15, Bou13, Ces11, CDM16, CP10, CP11, CG10a, GS10a, HMSZ13, IK11, Joh13, Pen15, Rou10, TY11, WWX15, XZ15].

Smectic [SW11a]. **Smectic-A** [SW11a].

Smoluchowski [CMM10, ET16, Sri11].

Smooth [And12, Bes16, FPZ14, GN15, HNP15, HI12, LM11, PWG11, Pen15, Sei14, Tej17, WFL12, WX15, WX16]. **Smoothing**

[Aud12, Com17, IO16, Jia12, Jun14, LWX16].

Smoothly [IT15]. **Sobolev**

[BM15a, CM11, CWE10, DF13, DKR15, DNS12, NP16, SV11, WU14a]. **Soft** [BLZ16].

Solar [Gli13]. **Solenoidal** [MM18]. **Soler**

[BC17b]. **Soler-Type** [BC17b]. **Solids**

[Rou10]. **Solitary** [BC17b, CFGL17, EL17, FW18, KK10, Whe13]. **Soliton**

[GR15b, Mar10, Miz11, Muñ12, NS12].

Soliton-like [Muñ12]. **Solitonic** [CG10a].

Solitons [CHL17, ILR17, MRT15].

Solution [Can10a, CH13, CS10a, CMM13, CT14, Cui13, DWYZ12, Ess16, EHM16, GLL17, HKK17, HW13b, HW14, HT17, LS10, LS12a, Mas11, MPZ15, Ter11, Wan12, WWX15, ZF12, Zha14].

Solution-Dependent [EHM16]. **Solutions**

[AIK10, ABCL18, AFT15, ACM⁺12, AMW11, AMW10, BDX14, BMMP16, BR17, BFLS18, BP12a, BST17b, Bes16, BYH15, BW12, Bra16, BN14, Bre13, BMR14, CCCdlL17, CCM12, CRWX16, CKY13, CY15, CTW17, Che18, CS14b, Cho16, CPT10, CNSS17, Daf13, Daf14, DS14, DGV16, DO16, DNK12, DS13, DR13, Don11, DWZ10, DW13, DLZ12a, DGVBW10, EF15, EJ14, EMZ17, Evj11, EW15b, FZ16, FKV15, FT17, FT13, FG18, FHK11, FPZ14, Gar11, GZ13, GMP13, GMT16, GS10a, GG10, GM15, GN15, GP18, GW15, HGW14, HK15, HNP15, Hof12, HY13, HHPZ17, HW17,

HZFAQ13, HL15, HWZ12, HMW11, HMWY12, HCHY16, HNP13, HI12, Hyn13, IK11, IS13, ILP16, IKM17, JJN13, Jün10, KK17a, KS14, KMT13, KPR15, KY12b, KY15, KK15, KNR12, Kut15, LLW17, LM11, LM14, LR15b]. **Solutions**

[LMR13, Len14, Leq11, LS18, LWX11, LW12, LXZ13, LT17, LZ17, LMW17, LLW15, LW15, Lu13, Mae17, MPN14, MQS12, MY12, MOR⁺16, MP13, MSZ13, MRT15, MY17, Moa11, Muñ12, NPS13, NP16, NP11, OtW10, Pan12a, Pas11, PZ13, PWG11, Pen15, PY14, Pol17, QW11, Rei18, RTZ17, RR15, SM16, ST10, Smi17, SSW14, TYZZ13, Tan18, TZ18, TY11, Tre13, Tro17, UWK12, VY16, WFL12, WZ13a, WW10, WZ13b, WZ17, Win15, WX13, Wu17, XZL10, Xu11, XZ15, Yam13, Yam16, YY10, YFK11, YZZ10, YCW10, YMYC10, Yos17, Yos18, YZ16, Zhu15, vBW11]. **Solvability**

[AI12, DKR16]. **Solvation** [Li09, Li11].

Solvent [Li09, Li11, Gla17]. **Some**

[BBS16, Chu14, CMM13, Due16, GY16a, HS10a, Koc16, Lau10, LR15b, LW12, Lu13, MM11, MS18, MP12, Tre13, WZ17, TD17].

Sommerfeld [LL11]. **Sonic**

[LMZZ17, LMZZ18, SWZ15, WX16].

Sorting [CEH14]. **Source**

[BFG⁺13, BP10, GMT16, GM15, TW11a].

Sources [BM12a]. **Space**

[AC11, AN15, AP11, BC17a, Can10a, Can10b, CD11, Daf13, DW13, FWW17, FR17, GK10, KK17a, KLO16, LMTT15, LR15b, LX17c, LS17, MM18, Mas11, MW17, NP16, Pal14, SS17, WXY15a, WY13].

Space-Dependent [AN15]. **Space-Time**

[DW13, LS17, SS17]. **Space-Times**

[MW17, LMTT15]. **Spaces**

[AG17, BB10b, BCD17b, CWE10, CL13a, Com17, GP18, Kry10, LJ17, PSSW15, Tak10, TD17, Wan13, XXK13, ZCO16].

Spacetimes [GL15]. **Span** [HI12]. **Space**

[DS10a, GL12, HS13, KVM17, KLL12, LV13]. **Spatial**

[Deu13, Hal12, Hal13, HL15, LW12, PT11]. **Spatially** [GST13, Mit10, SY14, dRDR16]. **Spatiotemporally** [ÁCDP14]. **SPDEs** [Kry10]. **Species** [ABR17, DY10, LTW14, NT14]. **SPECT** [FQ11]. **Spectra** [CNS10, EI11, dRDR16]. **Spectral** [AAK14, AH16, Ash13, BB17, BBV14, Fai14, GH18, Nii12, PPP13]. **Spectrum** [AKKY17, AMV15, BM15b, GLT10, LYZ16, LWY11, Wu16, vBM14]. **Specularly** [NS13]. **Speed** [DS10b, DMZ14, DLZ15, FG15, Ges13, Gia15, GMT16, SY17]. **Speeds** [AFK⁺18, DL15a, HS10a, XY14, YZ15, HR15]. **Sphere** [GM11, KW12]. **Spheres** [HM12a]. **Spherical** [CNR17, Hal14, Ngu15]. **Spherically** [DWYZ12, FL12a, LW14a, RR13]. **Spike** [GLW17]. **Spikes** [BWW14]. **Spiky** [WW10]. **Spin** [AG16, BCS15, GG10, KMM11, LNZ14, PWW17]. **Spin-field** [LNZ14]. **Spin-Polarized** [GG10]. **Spin-Transfer** [KMM11]. **Spinodal** [HMSZ13]. **Spline** [SX13]. **Splines** [WU14a]. **Splitting** [GM17a, HKK13]. **Spot** [CK12]. **Spreading** [DL15a, DL10, DMZ14, HS10a, YZ15, DL13]. **Spreading-Vanishing** [DL10, DL13]. **Square** [Bru16]. **Squared** [KW12, ZCO15]. **Squared-Distance** [ZCO15]. **Stability** [BJ10, BMMP16, BYZ12, BFN⁺13, BHSZ10, Ben17, BdHQ13, BdHFS16, BFS14, CV15, CT15, CPP18, Cui13, DY10, DL15b, EL17, FKV15, FHO16, GLS10, GY16a, HX14, HNS17, HSS17, HW17, HL15, HJ15, IN13, ILW16, JZN11, Joh13, KT17, KK18, KP13, LWZ15, LMN⁺10, LS13b, LW12, LLLM14, LW15, LT11, LW14b, Mae17, MOZ10, MOZ12, Moa11, Ngu10, NS13, NOS12, Ohn14, Ohn15, Ono11, Pan12b, Ria10, RR17, RZ16, Sin10, TWW15, Tej17, TW10, Ves15, WY15, WW15, WW10, WX13, YZ14b, ZH10, dRDR16, vBM14, Ohn16]. **Stabilization** [CW13, LW16a, Lau10]. **Stabilizing** [GW13, JJ18]. **Stable** [AHKM15, ADMR14, CKS15, DV10, GP11, HO15, LMR13, Mar10, MRV12]. **Stacked** [ILN11]. **Stage** [HS14]. **Standing** [CKM14, CO12, FL12a, LNZ14]. **Stars** [SW17]. **State** [AHP13b, BCL11, GG10, GH12, HWZ12, Kom15, Poh15, YMYC10]. **State-Dependent** [GH12, HWZ12, YMYC10]. **States** [CF14, CCV15, CDNP16, CO12, FY13a, GLW17, GP11, Kai17, KK18, LMR13, Miz11, MS16, Sch17, SW17, TWW15, dHHMV16]. **Static** [AFT15, GS17, Lei13, Sab13, BFM12]. **Stationary** [BP12a, Che18, CS14b, Cui13, DKN11, Ess16, GW15, GR13b, HW17, HMWY11, Kai17, Kut15, LWZ16, MS18, MS16, Rod16]. **Statistical** [BMR14]. **Steady** [BDX14, Ber12a, BW12, CF14, CDX12, CKZ17, EEW11, ER12, GG10, GJZ15, JH18, LMZZ17, LMZZ18, NP11, Poh15, SW17, TWW15, WBS13, WY15, Wen14, XX10, XY14, ZH10]. **Steepest** [Len16]. **Stefan** [BCQ12, HNS17, JS13b]. **Stekloff** [CLM17]. **Steklov** [BBG17, PPPV16]. **Step** [HS10b]. **Stepping** [BHRW16]. **Sticky** [GL17]. **Stochastic** [ABK12, ABBK16, AMW10, BBT14, BFFO17, BMY16, BM12b, BHR16, BGAHS17, BDT12, BGN14, CL17, CDZ13, DG11, DdMH15, ESvR12, Feh13, FQS10, FG15, FG18, GS12a, GGAS14, Ges13, GR15a, GT16, GK10, Hal12, Hal13, Igb12, IT15, LMR15, MQS12, MBK13, MZ13, MB16, NSS17, RZ11, YFK11, vNVW12]. **Stokes** [BV13, BC17c, GHMZ10, IK11, JJN13, JLX15, Kim13, LMW17, TYZZ13, TWW15, VW15a, XZL10, ADL14, BFLN16, BM12b, BW12, Bre13, BMR14, CDLLSG13, CRWX16, CGP13, CS10b, Con12, CEIV17, Deu13, DF11, DWYZ12, EW18, FPVR13, GS15b, GX17, GP18, GW15, HW17, HLW12, HW14, Hyn13, JS13a, JWX13, Jün10, Kha13, Kim09, Kwe12, KK17b, LLW17, Lei16, LR15b, LS18, LST12, LYZZ14, MOR⁺16,

NPS13, PZ11, Per10, PW15, QW11, RZ14, SS17, VY16, WXY15b, WLT16, WZ13b, WZ17, ZZ14, ZT17, vBW11]. **Stokes-Like** [BMR14]. **Stokes** [?]Abels:2014:WPF. **Stokes/Allen** [XZL10]. **Storativity** [CDR17]. **Strained** [GZ14]. **Strains** [Rou10]. **Stratified** [BC17a, Bel17]. **Strauss** [MW17]. **Streamlines** [Hen10]. **Stress** [SV18]. **Strichartz** [Ign10, Ovc11]. **Striped** [Lóp12]. **Strong** [Abe12, ABGS10, AP11, CRWX16, CH13, HW14, HT17, JN13, KPR15, Leq11, LMW17, LZ18, Neu16, RR17, SS15, WX11, WX13, XY14, ZF12]. **Strongly** [BA10, BA12, EP12, GS15a, LPS13]. **Structural** [WY15, ZH10]. **Structure** [BST17a, BDEM18, BGL16, GLZ17, Kut15, Leq11, LYZ16, UWK12]. **Structured** [KNW15, MO15]. **Structures** [DVW15]. **Study** [Ber17]. **Sturm** [Pim16]. **Style** [Sch14b]. **Sub** [Igb17]. **Sub-Hamilton** [Igb17]. **Subdifferential** [NN12]. **Subdiffusion** [VZ15]. **Subdivision** [Gro10]. **Subject** [LZZ15]. **Submerged** [KM13]. **Submitted** [ABR17]. **Submonolayer** [dCPS16]. **Subsonic** [BDX14, CDX12, Han14, HMSZ13, LW16a, LMZZ17, WX16, Wen14, XX10]. **Subsonic-Sonic** [WX16]. **Suitable** [WZ13a]. **Sup** [BCDG16]. **Superconducting** [GS10a]. **Superconductivity** [AHP13b]. **Superconductors** [COS16, Pen17]. **Supercritical** [NPS13]. **Superlinear** [BEH15]. **Supernova** [BFG⁺13]. **Superposition** [WW15]. **Supersonic** [CY15, CKZ17, LMZZ18, WX15, WY15, ZH10]. **Support** [BCO17, Fis13]. **Supported** [HMZ15, KLL12, WU14a]. **Suppression** [BH17]. **Sure** [AMW10, NPS13]. **Surface** [ALS15, Bev11, CHW16, CTW13, CHS13a, Duc10, EW15a, ERV17, FKM⁺16, GLL17, GVWK16, GL12, Han14, HD17, Hen10, JTW16, KT17, LS13b, LPS13, LX16, LX17c, Nes14, SWX17, Wu14c, YT11]. **Surface-Internal** [JTW16]. **Surface-Waves-Type** [SWX17]. **Surfaces** [CWE10, DG16, EH13, GP14, Kar16, LWZ11, Mon16, Ngu15]. **Surfactant** [FKM⁺16]. **Surfactants** [KT17]. **Surgery** [BM15b]. **Suspension** [HM12a]. **SVD** [ADK15]. **Sweat** [LS12a]. **Sweeping** [AH18]. **Swift** [MBK13]. **Swimmer** [Kha13]. **Switching** [BS16a, LMR15, YMYC10]. **Symmetric** [ACM⁺12, BWW14, BGL12, BCS15, DWYZ12, Ell12, FL12a, GM10, HZ10, LM14, LW14a, LW14b, RR13, RW14, vdBMJLM11]. **Symmetrization** [Des14]. **Symmetry** [BFN⁺13, BM18, DP13, GL15, HZ10, HD17, HM12b, MO14, Pol17, QS12, Tre13, HM13]. **Symmetry-Breaking** [HD17]. **Symplectic** [CCFdL14]. **Synchronization** [ST11]. **Synchrosqueezed** [YY14]. **Synchrosqueezing** [TW11b]. **Synchrosqueezing-Based** [TW11b]. **System** [ADL14, ALS15, AI12, ÁCDP14, AFT15, BDX14, BV13, BST17a, BAH17, BK15b, Bou13, BL15, BC17c, CS15a, CDLLSG13, CRWX16, CDM16, CH13, CLW12, CFGL17, CO12, CGS17, CDK11, DS14, Dai17, DJMZ16, DGV16, DN12, DY10, Dua11, DL15b, Duc10, Faj16, FKV15, FT13, FPVR13, GM11, GMP13, GS10a, GHMZ10, HKK15, HX10, HK15, HNP15, HW14, HT17, IK11, IT15, IKS12, JMN11, JN13, KLS15, LMR13, LPR12, Leq11, LST12, LS12a, LL16b, LN10, LNZ14, Mas11, Mei10, MRT15, Ngu16, Oh10, Ohn16, PZ11, Pal14, PZ13, Pu13, RW14, RR15, SWZ15, SSW14, UWK12, VW15a, Wan11, WFL12, Wan12, WW10, Win15, WK17, WX13, WWX15, Wun10, XZ15, YY10, YCW10]. **Systems** [ABL13, AG16, AS13, BEH15, BA10, BA12, BGAHS17, BCS15, Bra16, BHXY12, BMR14, BGL16, CCFdL14, CCLCP13,

Cer11, CL17, CHL15, Com17, Con12, CPP18, CN15, CG10c, DP13, DZ14, DFT17, DNK12, DL15a, DK11, EW15a, FGW13, Feh13, FS15, FPZ14, GLS10, GPPP13, GG10, GS15b, GX17, HKN16, HHMM18, HL15, HV13, ILN11, JS13b, LW12, LYZ16, LZZ17, LPS13, Lu13, MM17, MS18, MSZ13, MSTY16, MB16, MS16, Pan12b, Pen15, QS12, SWX17, SM16, Sus13, TW18a, YZ15, YMYC10, LW16b].

Tail [BCS15, MBPS13]. **Tails** [AL10, CS15a]. **Tangent** [GZ13]. **Tangential** [Pao16]. **Tartar** [BRS17]. **Tataru** [DW13]. **Taylor** [GT10, JJ18]. **Technique** [Val15]. **Temperature** [BV13, JK10, LYZZ14, MMB11]. **Tempered** [ACM⁺12]. **Tending** [FY13a]. **Tension** [CTW13, CHS13a, Nes14, SZ12b, YT11]. **Tensor** [BCS15, CRWX16, DS10a, GGRB14, HMZ15, HS13, PZ11, Win15, ADL14, Dai17]. **Tensor-Valued** [Win15]. **Teramoto** [Kut15]. **Term** [AF16, AI12, Bev11, BP10, Jia12, WWX15, ADHZ15]. **Terms** [BT16, GVZ16, GMT16]. **Ternary** [RW14]. **Terraces** [Pol17]. **Textile** [LS10]. **their** [ZK15]. **Theorem** [CLW17, Kry13, Kry14, DT15, PX13]. **Theorems** [AT10, CL13a, LX16, RZ11, TD17]. **Theoretical** [Ber17, SCB17, ZCO16]. **Theory** [ABL13, AC14, AMP10, AS15, AZ17, BAP13, BB17, BBG12, BBS16, DS10b, Fai14, FR17, GR15b, GX17, HM12b, HM13, JT13, Lee10, LW16b, MT13, DT15, ST17, SdL13, WZZ15, dLSZ17]. **Thermal** [Con12]. **Thermo** [RR17, SY17]. **Thermo-**[SY17]. **Thermodynamically** [RR15]. **Thermodynamics** [Rou10]. **Thermomechanical** [DKR16]. **Thermoviscoelastic** [PZ13]. **Theta** [Bét16]. **Thick** [LS15]. **Thin** [ABGS10, AVP16, BFLS12, BP12b, CNS10, CDN10, CDLLSG13, CPT10, CM12, DFP14a, DFP14b, Ess16, FG18, FHO16, Gna15, KK16, LM17, Mel10, MS14, MO14, RZ16]. **Thin-Film** [Ess16, FG18, Gna15, Mel10]. **Thin-Walled** [DFP14a, DFP14b]. **Third** [AI12]. **Three** [BFN⁺13, BV10, BMR14, DS10b, GMP13, GR13a, HGW14, Hof12, HHPZ17, HW13a, HW13b, HLX11, Kai10, Lei16, LS12a, LLW15, Mar10, MOR⁺16, RV12, WY15, WXY15b, WY13, WZ17, XZ15, ZH10]. **Three-Dimensional** [BFN⁺13, BV10, BMR14, DS10b, GR13a, Hof12, HHPZ17, HW13a, HW13b, HLX11, Kai10, Lei16, LS12a, Mar10, MOR⁺16, RV12, WY15, WXY15b, WY13, WZ17, XZ15, ZH10]. **Three-Wave** [HGW14]. **Threshold** [IT15]. **Thresholds** [CHL17]. **Thrombus** [WNRJ13]. **Tight** [HMZ15, WX12]. **Time** [AC14, BJ10, BM12a, BK13, BGL12, Bre13, BM18, CDW13, CMP13, CM14, CHL15, CV15, Cho16, CKS15, CG11, CN15, Daf13, DF10, Deu13, DK14, DW13, EF15, FGW13, FS14, FS15, GIP⁺13, GM10, Gia15, GS10b, GP15, GW13, GGRB14, Hal12, HMW11, IS13, Kia16, Kry14, LR15b, LMW17, LS17, MM17, MOZ10, MOZ12, MSZ13, QW11, SWX17, SS17, ST10, Spe14, SCB17, ST15b, Sug16, TW15, TY11, UWK12, VW11, VZ15, WWW12, Wan12, YZ14b, vBW11, HMWY12]. **Time-Delay** [CN15]. **Time-Delayed** [MOZ10, ST15b, MOZ12]. **Time-Dependent** [BJ10, CKS15, Deu13, GIP⁺13, GS10b, GP15, Kia16, SCB17]. **Time-Discrete** [CMP13]. **Time-Fractional** [VZ15]. **Time-Harmonic** [Spe14, BM12a]. **Time-Periodic** [Bre13, EF15, LR15b, TY11]. **Time-Recurrent** [FGW13]. **Times** [FG15, IT15, INRZ10, MW17, dHHI⁺14, LMTT15]. **Tissue** [CCM16]. **Tissues** [JMNR11]. **Tokamak** [HK10]. **Tomography** [BCS16, ES10, HHR09, HHR11, HS10b, HU13, Ilm16, KT13, SY17]. **Tool** [IISD15]. **Töplitz** [PX13]. **Torque** [KMM11]. **Torrey** [GH18]. **Torsion** [Bel10, BFLS12].

Tortorelli [FII14, FL17]. **Torus** [Wu14b]. **Touchdown** [GS15c]. **Trace** [AT10, BCD17b, LT11, EH16, TD17]. **Trace-Free** [BCD17b]. **Traces** [KMS15]. **Tracking** [KR10]. **Traffic** [BH11, CG10b, GM14, LMP11]. **Trajectory** [BMR14]. **Transfer** [AH13, KLS11, KMM11]. **Transform** [AAK14, ADK15, BK15b, CNR17, FQ16, GR13b, Mon16, Moo16, Ngu15, PW15, ST15a, YY14]. **Transformation** [Ngu13, dRDR16]. **Transient** [BMSR⁺13, GLZ17, MO15]. **Transition** [DLZ15, FL12b, HMSZ13, LSW17, HR15]. **Transitions** [BKLU18, BBG12, BCQ12, FL12a, GPPP13, RR15]. **Translating** [DKN11, YT11]. **Transmission** [CGH10, CCG10, CCH10, CH11b, Fai14, GVZ16, HKOP10, HKOP11, LV12, LV15, LR15a, RR17, Syl12]. **Transmitter** [AFK⁺18]. **Transonic** [HCHY16, LW14a, WX16]. **Transport** [AMP10, BJ10, BM12a, BAP13, BCS16, Ber12a, BFG⁺13, Bon13, Bos12, BW17, BBS11, CGS10, CDPS17, Cav12, Cha14, CDM13, CS17, CHS13b, GS10b, GY16a, GY16b, GJMC12, HKK17, JK10, LS12a, LMS16, LR17, LYZZ14, Ovc11, SM16, XV10, Che15]. **Transportation** [GM13, KW12, Lee10, Pas11, Pas13]. **Transverse** [JZ10]. **Trapped** [NT13]. **Trapping** [Can10b]. **Travel** [dHHI⁺14]. **Traveling** [Ai10, CHS13b, FZ14, GLS10, HSS17, HV13, HJ15, JZ10, LW12, LLLM14, MOZ10, MOZ12, MN12, NW17, Nol11, Ohn16, Tan15, TV18, YZ15, dL14]. **Travelling** [Hen10, HR10]. **Treatment** [CCC⁺17]. **Tree** [Ign10]. **Trees** [FK13]. **Trend** [DFT17, KKT17]. **Triangular** [Syl12]. **Tridiagonal** [FGW13]. **Triebel** [Tak10]. **Triple** [AMW11]. **Trudinger** [LL12]. **Truncated** [AAK14, ADK15]. **Tsingou** [FW18]. **Tug** [MPR10]. **Tug-of-War** [MPR10]. **Tumor** [Cui13]. **Turbulence** [CS14a, KT11]. **Turbulent** [XY14]. **Turing** [AS13]. **Turning** [LWZ15]. **Twisted** [FHMP16]. **Two** [Abe12, ALP15, BDX14, BYZ12, BFRV13, BFN⁺13, BHSZ10, Bét16, BBG16, BW12, CNS10, Can10a, Can10b, CP12, CS18, CRWX16, CQ12, CFGL17, CKZ17, CDX17, Cho16, CNR17, CDNP16, CWYZ16, DG11, DLZ12b, Duc10, Evj13a, Evj13b, EW18, GS12b, GH18, GW15, GLW17, HNS17, HL12, HJ11, HS14, HW14, IY12, JMWZ14, Kai10, Lac15, LW16b, LS15, LPS13, LTW14, Mas11, MMP13, NT14, NW17, Ono11, ST15a, Ter11, WXY15a, WW15, XY14, XXK13, YY14, YZZ10, YZZ12, ZZ14, DZ15]. **Two-Dimensional** [BDX14, BFN⁺13, Bét16, CNS10, CQ12, CKZ17, GS12b, GW15, GLW17, HJ11, JMWZ14, Kai10, Lac15, LS15, LPS13, Mas11, MMP13, NW17, ST15a, XY14, YY14, ZZ14, DZ15]. **Two-Fluid** [CWYZ16, Duc10, EW18, XXK13]. **Two-fluids** [DLZ12b]. **Two-Phase** [ALP15, Can10a, Can10b, CP12, Cho16, Evj13a, Evj13b, HNS17, HL12, Ter11, YZZ10, YZZ12, Abe12]. **Two-Sided** [BHSZ10]. **Two-Species** [LTW14]. **Two-Stage** [HS14]. **Two-Weight** [CNR17]. **Type** [Ale16, AG16, AM15, AS13, BDG13, BRS17, BNDHV10, BC17b, CDM13, COS16, DF13, DdMH15, DM15, EI11, GH14, HR10, HLX11, Joh13, KNR12, Kot12, Lei13, Len14, LZ17, PZ13, PZ17, SSST15, SWX17, SM16, UWK12, VW15b, Yos17, dMIS10, Dan17, BdHQ13, FPTT12]. **Type-I** [COS16]. **Ulam** [FW18, Miz11]. **Ultrasound** [BCS16]. **Unbounded** [BAH17, CWE10, CTW13, EH13, GLZ17, JJN13, LWZ11, Pim16]. **Unconditional** [HF13, HTX15]. **Unequal** [EW15b]. **Unfolding** [AVP16, CDD⁺12, GP14]. **Uniaxial** [HM12b, HM13]. **Unified** [BBS16]. **Uniform** [AHP13a, AF15, Dua11, GRT14,

GS15b, HX14, Lee17, MRS16, WXY15b].
Uniformly [CEIV17, Pen15]. **Unifying** [FG15]. **Unilateral** [Ber17]. **Unipolar** [HMWY11]. **Unique** [LN10, Otw10].
Uniqueness [BEH15, BT16, BCL11, CMM13, DDM11, FKM⁺16, GS10a, GGRB14, GLW17, HF13, HKK17, HTX15, INSZ14, JN13, KZ11, Lac15, LTV17, LT17, LW15, LT11, LZ18, Pas11, Poh15, YMYC10].
Unit [Sim16]. **Unitary** [SX13]. **Universal** [Hal14, HS10c, Zha10]. **Unknown** [Sin10, Ves15]. **Unsaturated** [DKR16].
Unstable [BJ16, BG14, CPT10]. **Unsteady** [BR17, BGMSG12, LWY18]. **Unwinding** [CStW17]. **Upper** [BOS11, Syl12]. **Using** [CM14, GL12, GR13b, KS14, KR10, KLS11, Ngu13, VW15a].

Vacuum

[DWYZ12, DLZ12a, HHPZ17, HLW12, HW14, JWX13, Lee17, LXZ13, LZZ15, MY17, Per10, Str10, WZ13b, WZ17, Zhu15].

Validation [LX17c]. **Validity** [DKS16].

Value [AI12, Beb16, BMY16, BdHQ13, BdHFS16, CDN10, IY12, KT11, Len16, MPR10, NP16, Otw10, TW18a, Ves15].

Valued [AAD13, EHM16, LTV17, Mit10, Win15, ZK15]. **Values** [GMM13]. **Vanish** [Ber12a].

Vanishing [BHWY12, CH13, CT11, CG10b, DL10, JLL10, Rou13, WXY15b, DL13]. **Variable** [AL10, BGL16, BC17c, BO16, CDL16, CHK15, DLV10, Kry14, SY17]. **Variables** [CH15, NV12, WXY15a]. **Variably** [DK11].

Variant [CLW17]. **Variation** [AF16, KMS15, Mit10]. **Variational** [AH18, AF15, ALM10, Bar14, BS16b, BMC14, BMC18, BMY16, BP12a, CWE10, FHMP16, HMS14, HS16, JHN12, KR10, MPT18, MS18, MN12, NP11, SV11, SS17].

Variational-Hemivariational [BS16b, HMS14]. **Variations** [KY12b].

Varifolds [De 18]. **Varying** [LJ17, Muñ12, WK17]. **Vasculogenesis**

[DS13]. **Vector**

[AAD13, BB10a, BBG16, MM18, Mon16].

Vector-Valued [AAD13]. **Velocities** [Cha14, EHM16, EW15b, MZ13]. **Velocity** [Ber12a, Bru16, CEIV17, CW13, Deu13, KUV16, WWX15]. **Ventcel** [BNDHV10].

Version [Bes12]. **versus**

[LWZ16, Muñ12, WWW12]. **Vertex** [Koc16].

Very [HR12]. **Vesicle** [WX13]. **Vesicles** [HD17]. **Via** [BH17, BFFO17, BMC18, AZ12, BM10, BRS17, CM11, CN15, DP13, FF12, HSV17, KY12b, KW11, LV13, LR17, LS13c, MOS14, NV12, Ngu17, PSV10, SV11, Syl12, VZ15, dRDR16]. **Vibrating** [DGV16].

Vibro [Pao15, Pao16]. **Vibro-Impact** [Pao15, Pao16]. **Vicinal** [GLL17]. **View** [ALM10]. **Vineyard** [Ai10].

Violent [Ben17]. **Visco** [Rou13]. **Visco-elastic** [Rou13].

Viscoelastic

[BP14a, Chu14, HX10, HW13a, Hyn13, LLW17, LMMNR17, Nes14, ZF12].

Viscoelasticity [DNK12, MOS14, RR17].

Viscoplasticity [NN12]. **Viscosity** [BM12b, BHWY12, BC17c, CH13, CT11, CG10b, Gie14, HM12a, JLL10, JWX13, RTZ17, Rou13, WXY15b, Yos17, Yos18, ZF10].

Viscous [Abe12, BFN⁺13, BOS11, CV15, CGS17, DWY12, DKN11, EW15b, Feh13, FPZ14, GT10, GJZ15, HL12, HLX11, JTW16, JZN11, Kwe12, KK17b, Le 13, Lee17, LZZ15, LT17, LW17, MS13a, MY12, Ngu10, Rou10, Smi17, TW18a, WW15, WZ13b, Wu14c, YZZ10, YZZ12, Yos18].

Vlasov [GHMZ10, LMW17, AFT15, BAH17, Bes12, CH11a, DGV16, Des14, DY10, Dua11, DL15b, Faj16, HKN16, KKT17, LMR13, LYZ16, Pal14, SR14, Wan11, Wan12, YY10].

Voigt [PZ13, RR17]. **Volume** [CP10, CP11, CL13b, WWW12].

Volume-Filling [WWW12].

Volume-Fraction [CP11]. **Vortex** [DWZ10, KMM11, KMS17, WY13].

Vortices [YZ14a]. **Vorticity** [CNSS17, Hen10, Whe13]. **Vries** [CG10a].

VSC [HNP13].

Waals [CS18, JMZ18, LM11]. **Waele** [Yos17]. **Waele-Type** [Yos17]. **Waiting** [FG15, Gia15]. **Wall** [Car14, BW12]. **Walled** [DFP14a, DFP14b]. **Walls** [CKZ17, CPP18]. **Wang** [LL12]. **War** [MPR10]. **Wasserstein** [AC11, BB10b, KK17a, MPS17, Tak13]. **Water** [Che12, DS10b, DLZ12a, Duc10, EEW11, Hen10, HT18, KM13, MRT15, Ngu16, WBS13, Whe13]. **Water-waves** [MRT15]. **Wave** [BYH15, CCCdL17, CDZ13, CPT10, DO16, DF11, DL15b, FPZ14, HL11, HGW14, HLW12, HT18, JTW16, KM13, Kia16, KT11, LMTT15, LPS13, LPS10, MQS12, MZZ12, NV12, Qin15, Sug16, Wu14c, ZH10, dHGR14]. **Wave-Long** [DF11, FPZ14]. **Wavefronts** [CKM14]. **Waveguide** [CKS15, MMP13]. **Wavelength** [LP16]. **Wavelet** [AHKM15, DS10a, DSX17, HR12]. **Wavenumber** [Spe14]. **Wavenumber-Explicit** [Spe14]. **Waves** [Ai10, AZ17, BC17b, CFGL17, CO12, CHS13b, DS10b, Duc10, DIT15, EEW11, ETZ13, EL17, FL12a, FZ14, FW18, GSW16, GLS10, HSS17, Han14, Hen10, HR10, HMSZ13, HMWY11, HV13, HJ15, JWX13, JZ10, JZN11, Joh13, Jun14, KT17, KK10, Le 13, LWY18, LLLM14, LW14a, LW17, LP14, LN14, MMB11, MOZ10, MOZ12, MZZ12, MN12, NT13, Ngu16, NW17, Nol11, Ohn14, Ohn16, Per10, RZ17, RZ16, SWX17, TV18, WBS13, WW15, Whe13, YZ15, Yos18, dL14, MRT15]. **Weak** [BPS16, BR17, BFFO17, BFLS18, Ben17, BN14, CS14b, EL17, Evj11, FZ14, GLL17, GGRB14, HK15, Hyn13, JJN13, Jün10, KK17a, KMT13, KY15, KK15, KNR12, Len14, LS18, LS10, LS12a, LT17, LLW15, Lu13, LZ18, MQS12, MP13, MPZ15, NPS13, NP16, NP11, Pan12a, Ped15, Sab13, Smi17, SSW14, TZ18, VY16, WZ13a, YZZ10].

Weak* [MY17]. **Weak-Strong** [JJN13, LZ18]. **Weakly** [BCL11, BP14a, CDS10, DZ14, GL15, MSTY16, Pes15]. **Weight** [CNR17, Pes15]. **Weighted** [BDWZ12, CWE10, CL13a, FL17]. **Weights** [Kry10]. **Welds** [IO16]. **Well** [Abe12, ADL14, ALST14, AN15, BG17, BTZ15, BFS14, CM11, CWH18, CGP13, CHS13a, DZ15, Evj13a, Faj16, GM10, Gna15, HNS17, HL12, HX10, HY14, HKK13, IKS12, JTW16, KM17, KMWV14, LS13b, LPR12, LS15, LPS13, NN12, RV12, TW18a, Tsu12, WXY15a, WLT16, Wu14c, XXK13, ZZ14, ZT17]. **Well-Posed** [CM11, CWH18, HKK13]. **Well-Posedness** [ADL14, ALST14, AN15, BTZ15, BFS14, CGP13, CHS13a, Faj16, GM10, Gna15, HNS17, HL12, HX10, HY14, IKS12, JTW16, KM17, LS13b, LPR12, LPS13, NN12, RV12, TW18a, Tsu12, WXY15a, WLT16, Wu14c, XXK13, ZZ14, Abe12, DZ15, KMWV14]. **Well-Reservoir** [Evj13a]. **Wells** [Evj11]. **Wetting** [Lóp12]. **Weyl** [LV15]. **Where** [Ber12a, TZ15]. **Whitham** [DKS16]. **Whole** [GK10, LR15b, Mas11, Moa11]. **Whose** [Rod16]. **Wiener** [YFK11]. **Wigner** [LS17]. **Willmore** [CL13b]. **Wilson** [BJLO17, DN12]. **Wind** [WBS13]. **Wing** [CY15]. **Wireless** [PT11]. **Without** [Kry10, TAGP18, CLW17, Kry13, Nes14]. **World** [DKR15]. **Wounds** [FHX10]. **Wright** [CS10a, EM10]. **Wulff** [Neu16].

X [Mon16]. **X-Ray** [Mon16].

Young [BKK18, BMC18, BK15a, KRW15, NP16]. **Yudovich** [DT15].

Zakharov [Com17, RV12]. **Zaremba** [Naz12]. **Zeldovich** [Lai14]. **Zero** [BM12b, CHS13a, DLZ15, FY13a, GS15c, HLW12, Lee17]. **Zeros** [Sim16].

References

- [AAD13] Nicholas D. Alikakos, Panagiotis Antonopoulos, and Apostolos Damialis. Plateau angle conditions for the vector-valued Allen–Cahn equation. *SIAM Journal on Mathematical Analysis*, 45(6):3823–3837, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). **Alikakos:2013:PAC**
- [AAK14] Reema Al-Aifari and Alexander Katsevich. Spectral analysis of the truncated Hilbert transform with overlap. *SIAM Journal on Mathematical Analysis*, 46(1):192–213, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). **Al-Aifari:2014:SAT**
- [AB10] Burak Aksoylu and Horst R. Beyer. Results on the diffusion equation with rough coefficients. *SIAM Journal on Mathematical Analysis*, 42(1):406–426, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). **Aksoylu:2010:RDE**
- [ABBK16] D. C. Antonopoulou, P. W. Bates, D. Blömker, and G. D. Karali. Motion of a droplet for the stochastic mass-conserving Allen–Cahn equation. *SIAM Journal on Mathematical Analysis*, 48(1):670–708, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). **Antonopoulou:2016:MDS**
- [ABCL18] Ricardo Alonso, Véronique Bagland, Yingda Cheng, and Bertrand Lods. One-dimensional dissipative Boltzmann equation: Measure solutions, cooling rate, and self-similar profile. *SIAM Journal on Mathematical Analysis*, 50(1):1278–1321, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). **Alonso:2018:ODD**
- [Abe12] Helmut Abels. Strong well-posedness of a diffuse interface model for a viscous, quasi-incompressible two-phase flow. *SIAM Journal on Mathematical Analysis*, 44(1):316–340, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v44/i1/p316_s1. **Abels:2012:SWP**
- [ABGS10] Stan Alama, Lia Bronsard, and Bernardo Galvão-Sousa. Thin film limits for Ginzburg–Landau with strong applied magnetic fields. *SIAM Journal on Mathematical Analysis*, 42(1):406–426, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). **Alama:2010:TFL**

- 42(1):97–124, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [AC11]
- [ABK12] **Antonopoulou:2012:FMO**
D. C. Antonopoulou, D. Blömker, and G. D. Karali. Front motion in the one-dimensional stochastic Cahn–Hilliard equation. *SIAM Journal on Mathematical Analysis*, 44(5):3242–3280, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [AC14]
- [ABL13] **Acquistapace:2013:TIH**
Paolo Acquistapace, Francesca Bucci, and Irena Lasiecka. A theory of the infinite horizon LQ-problem for composite systems of PDEs with boundary control. *SIAM Journal on Mathematical Analysis*, 45(3):1825–1870, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [ABR17] **Alfaro:2017:ECS**
Matthieu Alfaro, Henri Berestycki, and Gaël Raoul. The effect of climate shift on a species submitted to dispersion, evolution, growth, and nonlocal competition. *SIAM Journal on Mathematical Analysis*, 49(1):562–596, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [ÁCDP14] **Alvarez-Caudevilla:2014:QAC**
Pablo Álvarez-Caudevilla, Yihong Du, and Rui Peng. Qualitative analysis of a cooperative reaction–diffusion system in a spatiotemporally degenerate environment. *SIAM Journal on Mathematical Analysis*, 46(1):499–531, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Alibaud:2012:CDE] **Alibaud:2012:CDE**
Nathael Alibaud, Simone
- Agueh:2011:BWS**
Martial Agueh and Guillaume Carlier. Barycenters in the Wasserstein space. *SIAM Journal on Mathematical Analysis*, 43(2):904–924, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v43/i2/p904_s1.
- Alberti:2014:ERT**
Giovanni S. Alberti and Yves Capdeboscq. Elliptic regularity theory applied to time harmonic anisotropic Maxwell’s equations with less than Lipschitz complex coefficients. *SIAM Journal on Mathematical Analysis*, 46(1):998–1016, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

- Cifani, and Espen R. Jakobsen. Continuous dependence estimates for nonlinear fractional convection-diffusion equations. *SIAM Journal on Mathematical Analysis*, 44(2):603–632, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v44/i2/p603_s1. [ADK15]
- Andreu:2012:RSS**
- [ACM⁺12] F. Andreu, V. Caselles, J. M. Mazón, J. Soler, and M. Verbeni. Radially symmetric solutions of a tempered diffusion equation. A porous media, flux-limited case. *SIAM Journal on Mathematical Analysis*, 44(2):1019–1049, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Ammari:2014:CHS**
- [ACZ14] Habib Ammari, Yat Tin Chow, and Jun Zou. The concept of heterogeneous scattering coefficients and its application in inverse medium scattering. *SIAM Journal on Mathematical Analysis*, 46(4):2905–2935, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Armstrong:2015:LTB**
- [ADHZ15] Seth Armstrong, Sarah Duffin, Jianlong Han, and Chunlei Zhang. Long-term behavior and numerical analysis of a nonlocal evolution equation with Kac potential. *SIAM Journal on Mathematical Analysis*, 47(2):1234–1252, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Alaifari:2015:AAS**
- Rima Alaifari, Michel De-frise, and Alexander Katsevich. Asymptotic analysis of the SVD for the truncated Hilbert transform with overlap. *SIAM Journal on Mathematical Analysis*, 47(1):797–824, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Abels:2014:WPF**
- [ADL14] Helmut Abels, Georg Dolzmann, and YuNing Liu. Well-posedness of a fully coupled Navier–Stokes/ Q -tensor system with inhomogeneous boundary data. *SIAM Journal on Mathematical Analysis*, 46(4):3050–3077, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Alessandrini:2014:SDI**
- [ADMR14] Giovanni Alessandrini, Michele Di Cristo, Antonino Morassi, and Edi Rosset. Stable determination of an inclusion in an elastic body by boundary measurements. *SIAM Jour-*

- nal on Mathematical Analysis*, 46(4):2692–2729, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [AFK⁺18]
- [AF15] Felipe Alvarez and Salvador Flores. Existence and approximation for variational problems under uniform constraints on the gradient by power penalty. *SIAM Journal on Mathematical Analysis*, 47(5):3466–3487, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [AFT15]
- [AF16] Laura Abatangelo and Veronica Felli. On the leading term of the eigenvalue variation for Aharonov–Bohm operators with a moving pole. *SIAM Journal on Mathematical Analysis*, 48(4):2843–2868, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [AG16]
- [AF17] Zied Ammari and Marco Falconi. Bohr’s correspondence principle for the renormalized Nelson model. *SIAM Journal on Mathematical Analysis*, 49(6):5031–5095, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [AG17]
- Ambartsoumian:2018:SFS**
G. Ambartsoumian, R. Felea, V. P. Krishnan, C. J. Nolan, and E. T. Quinto. Singular FIOs in SAR imaging, II: Transmitter and receiver at different speeds. *SIAM Journal on Mathematical Analysis*, 50(1):591–621, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Andreasson:2015:SSE**
Håkan Andréasson, David Fajman, and Maximilian Thaller. Static solutions to the Einstein–Vlasov system with a nonvanishing cosmological constant. *SIAM Journal on Mathematical Analysis*, 47(4):2657–2688, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Alicandro:2016:LNC**
Roberto Alicandro and Maria Stella Gelli. Local and nonlocal continuum limits of Ising-type energies for spin systems. *SIAM Journal on Mathematical Analysis*, 48(2):895–931, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Alaifari:2017:PRG**
Rima Alaifari and Philipp Grohs. Phase retrieval in the general setting of continuous frames for Banach

- spaces. *SIAM Journal on Mathematical Analysis*, 49(3): 1895–1911, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [AGS13] Habib Ammari, Josselin Garnier, and Knut Sølna. Partial data resolving power of conductivity imaging from boundary measurements. *SIAM Journal on Mathematical Analysis*, 45(3):1704–1722, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [AH13] Grégoire Allaire and Zakaria Habibi. Homogenization of a conductive, convective, and radiative heat transfer problem in a heterogeneous domain. *SIAM Journal on Mathematical Analysis*, 45(3): 1136–1178, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [AH16] Yaniv Almog and Raphaël Henry. Spectral analysis of a complex Schrödinger operator in the semiclassical limit. *SIAM Journal on Mathematical Analysis*, 48(4): 2962–2993, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [AH18] S. Adly and T. Haddad. An implicit sweeping process approach to quasistatic evolution variational inequalities. *SIAM Journal on Mathematical Analysis*, 50(1):761–778, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [AHKM15] Ben Adcock, Anders C. Hansen, Gitta Kutyniok, and Jackie Ma. Linear stable sampling rate: Optimality of 2D wavelet reconstructions from Fourier measurements. *SIAM Journal on Mathematical Analysis*, 47(2): 1196–1233, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [AHØP13] N. Agram, S. Haadem, B. Øksendal, and F. Proske. A maximum principle for infinite horizon delay equations. *SIAM Journal on Mathematical Analysis*, 45(4): 2499–2522, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Ammari:2013:PDR

Adly:2018:ISP

Adcock:2015:LSS

Allaire:2013:HCC

Agram:2013:MPI

Almog:2016:SAC

- [AHP13a] **Adcock:2013:BCR** Ben Adcock, Anders C. Hansen, and Clarice Poon. Beyond consistent reconstructions: Optimality and sharp bounds for generalized sampling, and application to the uniform resampling problem. *SIAM Journal on Mathematical Analysis*, 45(5):3132–3167, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [AI12]
- [AHP13b] **Almog:2013:SNN** Yaniv Almog, Bernard Helffer, and Xing-Bin Pan. Superconductivity near the normal state in a half-plane under the action of a perpendicular electric current and an induced magnetic field, Part II: The large conductivity limit. *SIAM Journal on Mathematical Analysis*, 44(6):3671–3733, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [AIK10]
- [Ai10] **Ai:2010:TWM** Shangbing Ai. Traveling waves for a model of a fungal disease over a vineyard. *SIAM Journal on Mathematical Analysis*, 42(2):833–856, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [AKKL17]
- Aiki:2012:SIB** Masashi Aiki and Tatsuo Iguchi. Solvability of an initial-boundary value problem for a second order parabolic system with a third order dispersion term. *SIAM Journal on Mathematical Analysis*, 44(5):3388–3411, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [Alibaud:2010:APE]
- Alibaud:2010:APE** Nathael Alibaud, Cyril Imbert, and Grzegorz Karch. Asymptotic properties of entropy solutions to fractal Burgers equation. *SIAM Journal on Mathematical Analysis*, 42(1):354–376, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [Ahn:2017:LBM]
- Ahn:2017:LBM** Jaewook Ahn, Kyungkeun Kang, Junha Kim, and Jihoon Lee. Lower bound of mass in a chemotactic model with advection and absorbing reaction. *SIAM Journal on Mathematical Analysis*, 49(2):723–755, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [AKKY17]
- Ando:2017:SNP** Kazunori Ando, Hyeonbae Kang, Kyoungsun Kim, and

- Sanghyeon Yu. Spectrum of Neumann–Poincaré operator on annuli and cloaking by anomalous localized resonance for linear elasticity. *SIAM Journal on Mathematical Analysis*, 49(5):4232–4250, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [Alm17]
- [AL10] **Alonso:2010:FCH**
Ricardo J. Alonso and Bertrand Lods. Free cooling and high-energy tails of granular gases with variable restitution coefficient. *SIAM Journal on Mathematical Analysis*, 42(6):2499–2538, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [ALP15]
- [Ale16] **Aleksanyan:2016:SCP**
Hayk Aleksanyan. Slow convergence in periodic homogenization problems for divergence-type elliptic operators. *SIAM Journal on Mathematical Analysis*, 48(5):3345–3382, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [ALS15]
- [ALM10] **Aujol:2010:EBI**
Jean-François Aujol, Saïd Ladjal, and Simon Masnou. Exemplar-based inpainting from a variational point of view. *SIAM Journal on Mathematical Analysis*, 42(3):1246–1285, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [Alm17]
- Almog:2017:CMF**
Y. Almog. The Clausius–Mossotti formula for dilute random media of perfectly conducting inclusions. *SIAM Journal on Mathematical Analysis*, 49(4):2885–2919, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Allen:2015:TPF**
Mark Allen, Erik Lindgren, and Arshak Petrosyan. The two-phase fractional obstacle problem. *SIAM Journal on Mathematical Analysis*, 47(3):1879–1905, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Abels:2015:ADD**
Helmut Abels, Kei Fong Lam, and Björn Stinner. Analysis of the diffuse domain approach for a bulk-surface coupled PDE system. *SIAM Journal on Mathematical Analysis*, 47(5):3687–3725, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [ALST14] **Andreianov:2014:WPO**
Boris Andreianov, Frédéric Lagoutière, Nicolas Seguin,

- and Takéo Takahashi. Well-posedness for a one-dimensional fluid-particle interaction model. *SIAM Journal on Mathematical Analysis*, 46(2):1030–1052, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [AMW10]
- [AM15] Fuensanta Andrés and Julio Muñoz. A type of non-local elliptic problem: Existence and approximation through a Galerkin–Fourier method. *SIAM Journal on Mathematical Analysis*, 47(1):498–525, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [AMP10] Grégoire Allaire, Andro Mikelić, and Andrey Piatnitski. Homogenization approach to the dispersion theory for reactive transport through porous media. *SIAM Journal on Mathematical Analysis*, 42(1):125–144, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [AN15]
- [AMV15] Naiara Arrizabalaga, Albert Mas, and Luis Vega. Shell interactions for Dirac operators: On the point spectrum and the confinement. *SIAM Journal on Mathematical Analysis*, 47(2):1044–1069, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Appleby:2010:ASR**
- John A. D. Appleby, Xuerong Mao, and Huizhong Wu. On the almost sure running maxima of solutions of affine stochastic functional differential equations. *SIAM Journal on Mathematical Analysis*, 42(2):646–678, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Ao:2011:TJS**
- Weiwei Ao, Monica Musso, and Juncheng Wei. Triple junction solutions for a singularly perturbed Neumann problem. *SIAM Journal on Mathematical Analysis*, 43(6):2519–2541, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v43/i6/p2519_s1.
- Allaire:2010:HAD**
- [AMP10] Grégoire Allaire, Andro Mikelić, and Andrey Piatnitski. Homogenization approach to the dispersion theory for reactive transport through porous media. *SIAM Journal on Mathematical Analysis*, 42(1):125–144, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [AN15]
- Arkeryd:2015:WPC**
- Leif Arkeryd and Anne Nouri. Well-posedness of the Cauchy problem for a space-dependent anyon Boltzmann equation. *SIAM Journal on Mathematical Analysis*, 47(6):4720–4742, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Arrizabalaga:2015:SID**
- [AMV15] Naiara Arrizabalaga, Albert Mas, and Luis Vega. Shell interactions for Dirac operators: On the point spectrum and the confinement. *SIAM Journal on Mathematical Analysis*,

- [And12] **Andrievskii:2012:AFR**
 Vladimir Andrievskii. Approximation of functions by reciprocals of polynomials on a quasi-smooth arc. *SIAM Journal on Mathematical Analysis*, 44(4):2329–2343, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [AP11] **Athanassoulis:2011:SPS**
 Agissilaos Athanassoulis and Thierry Paul. Strong phase-space semiclassical asymptotics. *SIAM Journal on Mathematical Analysis*, 43(5):2116–2149, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v43/i5/p2116_s1.
- [AP14] **Ansini:2014:PLA**
 Nadia Ansini and Francesca Prinari. Power-law approximation under differential constraints. *SIAM Journal on Mathematical Analysis*, 46(2):1085–1115, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [AP15] **Akopyan:2015:MRC**
 Arseniy Akopyan and Alexander Plakhov. Minimal resistance of curves under the single impact assumption. *SIAM Journal on Mathematical Analysis*, 47(4):2754–2769, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Ara16] **Arada:2016:GNF**
 Nadir Arada. On generalized Newtonian fluids in curved pipes. *SIAM Journal on Mathematical Analysis*, 48(2):1210–1249, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [AS13] **Anma:2013:TTM**
 Atsushi Anma and Kuni-mochi Sakamoto. Turing type mechanisms for linear diffusion systems under nondiagonal Robin boundary conditions. *SIAM Journal on Mathematical Analysis*, 45(6):3611–3628, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [AS14] **Akagi:2014:DNE**
 Goro Akagi and Ulisse Stefanelli. Doubly nonlinear equations as convex minimization. *SIAM Journal on Mathematical Analysis*, 46(3):1922–1945, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [AS15] **Ambrose:2015:LET**
 David M. Ambrose and Gideon Simpson. Local ex-

- istence theory for derivative nonlinear Schrödinger equations with noninteger power nonlinearities. *SIAM Journal on Mathematical Analysis*, 47(3):2241–2264, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [AT14]
- Ashton:2013:SDN**
- [Ash13] A. C. L. Ashton. The spectral Dirichlet–Neumann map for Laplace’s equation in a convex polygon. *SIAM Journal on Mathematical Analysis*, 45(6):3575–3591, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [Aud12]
- Aceves-Sanchez:2016:FDA**
- [ASS16] Pedro Aceves-Sánchez and Christian Schmeiser. Fractional-Diffusion–Advection limit of a kinetic model. *SIAM Journal on Mathematical Analysis*, 48(4):2806–2818, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [AV16]
- Achdou:2010:TTC**
- [AT10] Yves Achdou and Nicoletta Tchou. Trace theorems for a class of ramified domains with self-similar fractal boundaries. *SIAM Journal on Mathematical Analysis*, 42(4):1449–1482, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [AVP16]
- Andreucci:2014:CDP**
- Daniele Andreucci and Anatoli F. Tedeev. The Cauchy–Dirichlet problem for the porous media equation in cone-like domains. *SIAM Journal on Mathematical Analysis*, 46(2):1427–1455, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Audiard:2012:DSE**
- Corentin Audiard. Dispersive smoothing for the Euler–Korteweg model. *SIAM Journal on Mathematical Analysis*, 44(4):3018–3040, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Amstutz:2016:AIO**
- Samuel Amstutz and Nicolas Van Goethem. Analysis of the incompatibility operator and application in intrinsic elasticity with dislocations. *SIAM Journal on Mathematical Analysis*, 48(1):320–348, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Arrieta:2016:UOM**
- José M. Arrieta and Manuel Villanueva-Pesqueira. Unfolding operator method for thin domains with a locally periodic highly oscillatory bound-

- ary. *SIAM Journal on Mathematical Analysis*, 48(3):1634–1671, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [BA12]
- Ansini:2012:AAN**
- [AZ12] Nadia Ansini and Caterina Ida Zeppieri. Asymptotic analysis of nonsymmetric linear operators via Γ -convergence. *SIAM Journal on Mathematical Analysis*, 44(3):1617–1635, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [BAC12]
- Ammari:2017:EMT**
- [AZ17] Habib Ammari and Hai Zhang. Effective medium theory for acoustic waves in bubbly fluids near Minnaert resonant frequency. *SIAM Journal on Mathematical Analysis*, 49(4):3252–3276, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Banaji:2010:CSM**
- [BA10] Murad Banaji and David Angeli. Convergence in strongly monotone systems with an increasing first integral. *SIAM Journal on Mathematical Analysis*, 42(1):334–353, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). See addendum [BA12].
- Banaji:2012:ACS**
- Murad Banaji and David Angeli. Addendum to “Convergence in Strongly Monotone Systems with an Increasing First Integral”. *SIAM Journal on Mathematical Analysis*, 44(1):536–537, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v44/i1/p536_s1. See [BA10].
- Bao:2012:GPP**
- Weizhu Bao, Naoufel Ben Abdallah, and Yongyong Cai. Gross–Pitaevskii–Poisson equations for dipolar Bose–Einstein condensate with anisotropic confinement. *SIAM Journal on Mathematical Analysis*, 44(3):1713–1741, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Ben-Artzi:2017:IRV**
- [BAH17] Jonathan Ben-Artzi and Thomas Holding. Instabilities of the relativistic Vlasov–Maxwell system on unbounded domains. *SIAM Journal on Mathematical Analysis*, 49(5):4024–4063, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

- Bal:2013:CTD**
- [BAP13] Guillaume Bal, Naoufel Ben Abdallah, and Marjolaine Puel. A corrector theory for diffusion-homogenization limits of linear transport equations. *SIAM Journal on Mathematical Analysis*, 44(6): 3848–3873, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Barekat:2014:CCM**
- [Bar14] Farzin Barekat. On the consistency of compressed modes for variational problems associated with the Schrödinger operator. *SIAM Journal on Mathematical Analysis*, 46(5): 3568–3577, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Benbourhim:2010:MPP**
- [BB10a] M. N. Benbourhim and A. Bouhamidi. Meshless pseudo-polyharmonic divergence-free and curl-free vector fields approximation. *SIAM Journal on Mathematical Analysis*, 42(3):1218–1245, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Bianchini:2010:EPF**
- [BB10b] S. Bianchini and A. Brancolini. Estimates on path functionals over Wasserstein spaces. *SIAM Journal on Mathematical Analysis*, 42(3): 1179–1217, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Baudel:2017:STR**
- [BB17] Manon Baudel and Nils Berglund. Spectral theory for random Poincaré maps. *SIAM Journal on Mathematical Analysis*, 49(6):4319–4375, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Bertini:2012:BEG**
- [BBG12] Lorenzo Bertini, Paolo Buttà, and Adriana Garroni. Boundary effects in the gradient theory of phase transitions. *SIAM Journal on Mathematical Analysis*, 44(2):926–945, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Bianchini:2016:RAN**
- [BBG16] Stefano Bianchini, Paolo Bonicatto, and Nikolay A. Gusev. Renormalization for autonomous nearly incompressible BV vector fields in two dimensions. *SIAM Journal on Mathematical Analysis*, 48(1):1–33, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

- [BBG17] **Bogose1:2017:OSM**
 B. Bogosel, D. Bucur, and A. Giacomini. Optimal shapes maximizing the Steklov eigenvalues. *SIAM Journal on Mathematical Analysis*, 49(2):1645–1680, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [BBMN12] **Bellettini:2012:COD**
 Giovanni Bellettini, Lorenzo Bertini, Mauro Mariani, and Matteo Novaga. Convergence of the one-dimensional Cahn–Hilliard equation. *SIAM Journal on Mathematical Analysis*, 44(5):3458–3480, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [BBS11] **Brasco:2011:BBA**
 L. Brasco, G. Buttazzo, and F. Santambrogio. A Benamou–Brenier approach to branched transport. *SIAM Journal on Mathematical Analysis*, 43(2):1023–1040, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v43/i2/p1023_s1.
- [BBS16] **Bulicek:2016:UTS**
 M. Bulíček, J. Burczak, and S. Schwarzacher. A unified theory for some non-Newtonian fluids under singular forcing. *SIAM Journal on Mathematical Analysis*, 48(6):4241–4267, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [BBT14] **Barbu:2014:SPE**
 Viorel Barbu, Stefano Bonaccorsi, and Luciano Tubaro. A stochastic parabolic equation with nonlinear flux on the boundary driven by a Gaussian noise. *SIAM Journal on Mathematical Analysis*, 46(1):780–802, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [BBV14] **Bucur:2014:SOP**
 Dorin Bucur, Giuseppe Buttazzo, and Bozhidar Velichkov. Spectral optimization problems for potentials and measures. *SIAM Journal on Mathematical Analysis*, 46(4):2956–2986, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [BC11] **Burchard:2011:CII**
 Almut Burchard and Marina Chugunova. On computing the instability index of a non-self-adjoint differential operator associated with coating and rimming flows. *SIAM Journal on Mathematical Analysis*, 43(1):367–388, 2011. CODEN SJMAAH. ISSN 0036-

- 1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v43/i1/p367_s1. [BC17c]
- [BC14] **Bonacini:2014:LGM**
M. Bonacini and R. Cristoferi. Local and global minimality results for a nonlocal isoperimetric problem on \mathbf{R}^N . *SIAM Journal on Mathematical Analysis*, 46(4):2310–2349, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [BC17a] **Bellieud:2017:AAS**
Michel Bellieud and Shane Cooper. Asymptotic analysis of stratified elastic media in the space of functions with bounded deformation. *SIAM Journal on Mathematical Analysis*, 49(5):4275–4317, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [BC17b] **Boussaïd:2017:NAS**
Nabile Boussaïd and Andrew Comech. Nonrelativistic asymptotics of solitary waves in the Dirac equation with soler-type nonlinearity. *SIAM Journal on Mathematical Analysis*, 49(4):2527–2572, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Burtea:2017:LMG**
Cosmin Burtea and Frédéric Charve. Lagrangian methods for a general inhomogeneous incompressible Navier–Stokes–Korteweg system with variable capillarity and viscosity coefficients. *SIAM Journal on Mathematical Analysis*, 49(5):3476–3495, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [BCD⁺11] **Binev:2011:CRG**
Peter Binev, Albert Cohen, Wolfgang Dahmen, Ronald DeVore, Guergana Petrova, and Przemyslaw Wojtaszczyk. Convergence rates for greedy algorithms in reduced basis methods. *SIAM Journal on Mathematical Analysis*, 43(3):1457–1472, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v43/i3/p1457_s1.
- [BCD⁺17a] **Bonito:2017:DCE**
Andrea Bonito, Albert Cohen, Ronald DeVore, Guergana Petrova, and Gerrit Welper. Diffusion coefficients estimation for elliptic partial differential equations. *SIAM Journal on Mathematical Analysis*, 49(2):1570–1592, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

- [BCD17b] **Breit:2017:TFK**
 D. Breit, A. Cianchi, and L. Diening. Trace-free Korn inequalities in Orlicz spaces. *SIAM Journal on Mathematical Analysis*, 49(4):2496–2526, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [BCDG16] **Bernardi:2016:CPI**
 Christine Bernardi, Martin Costabel, Monique Dauge, and Vivette Girault. Continuity properties of the inf-sup constant for the divergence. *SIAM Journal on Mathematical Analysis*, 48(2):1250–1271, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [BCG10] **Bernard:2010:HLB**
 Etienne Bernard, Emanuele Caglioti, and François Golse. Homogenization of the linear Boltzmann equation in a domain with a periodic distribution of holes. *SIAM Journal on Mathematical Analysis*, 42(5):2082–2113, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [BCL11] **Bisi:2011:UWI**
 Marzia Bisi, José A. Cañizo, and Bertrand Lods. Uniqueness in the weakly inelastic regime of the equilibrium state to the Boltzmann equation driven by a particle bath. *SIAM Journal on Mathematical Analysis*, 43(6):2640–2674, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v43/i6/p2640_s1.
- [BCN11] **Barles:2011:HFH**
 Guy Barles, Annalisa Cesaroni, and Matteo Novaga. Homogenization of fronts in highly heterogeneous media. *SIAM Journal on Mathematical Analysis*, 43(1):212–227, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v43/i1/p212_s1.
- [BCO17] **Barekat:2017:SCM**
 Farzin Barekat, Russel Caffisch, and Stanley Osher. On the support of compressed modes. *SIAM Journal on Mathematical Analysis*, 49(4):2573–2590, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [BCQ12] **Brandle:2012:PTM**
 Cristina Brändle, Emmanuel Chasseigne, and Fernando Quirós. Phase transitions with midrange interactions: a nonlocal Stefan model. *SIAM Journal on Mathematical Analysis*, 44(4):3071–

3100, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Braides:2015:TCE

[BCS15]

Andrea Braides, Marco Cicalese, and Francesco Solombrino. Q -tensor continuum energies as limits of head-to-tail symmetric spin systems. *SIAM Journal on Mathematical Analysis*, 47(4): 2832–2867, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Bal:2016:UMB

[BCS16]

Guillaume Bal, Francis J. Chung, and John C. Schotland. Ultrasound modulated bioluminescence tomography and controllability of the radiative transport equation. *SIAM Journal on Mathematical Analysis*, 48(2): 1332–1347, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Barucq:2018:MDF

[BDEM18]

Hélène Barucq, Rabia Djelouli, Elodie Estecahandy, and Mohand Moussaoui. Mathematical determination of the Fréchet derivative with respect to the domain for a fluid-structure scattering problem: Case of polygonal-shaped domains. *SIAM Journal on Mathematical Analysis*,

50(1):1010–1036, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Bogelein:2013:PMT

[BDG13]

Verena Bögelein, Frank Duzaar, and Ugo Gianazza. Porous medium type equations with measure data and potential estimates. *SIAM Journal on Mathematical Analysis*, 45(6): 3283–3330, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Beretta:2016:IBV

[BdHFS16]

Elena Beretta, Maarten V. de Hoop, Florian Faucher, and Otmar Scherzer. Inverse boundary value problem for the Helmholtz equation: Quantitative conditional Lipschitz stability estimates. *SIAM Journal on Mathematical Analysis*, 48(6): 3962–3983, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Beretta:2013:LSI

[BdHQ13]

Elena Beretta, Maarten V. de Hoop, and Lingyun Qiu. Lipschitz stability of an inverse boundary value problem for a Schrödinger-Type equation. *SIAM Journal on Mathematical Analysis*, 45(2): 679–699, 2013. CODEN SJMAAH. ISSN 0036-

- 1410 (print), 1095-7154 (electronic). **Bae:2014:SSS**
- [BDPS10] Martin Burger, Marco Di Francesco, Jan-Frederik Pietschmann, and Bärbel Schlake. Nonlinear cross-diffusion with size exclusion. *SIAM Journal on Mathematical Analysis*, 42(6):2842–2871, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v42/i6/p2842_s1. **Burger:2010:NCD**
- [BDX14] Myoungjean Bae, Ben Duan, and Chunjing Xie. Subsonic solutions for steady Euler–Poisson system in two-dimensional nozzles. *SIAM Journal on Mathematical Analysis*, 46(5):3455–3480, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). **Bebendorf:2016:LRA**
- [Beb16] Mario Bebendorf. Low-rank approximation of elliptic boundary value problems with high-contrast coefficients. *SIAM Journal on Mathematical Analysis*, 48(2):932–949, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). **Bahllali:2015:EUM**
- [BDT12] Stefano Bonaccorsi, Giuseppe Da Prato, and Luciano Tubaro. Asymptotic behavior of a class of nonlinear stochastic heat equations with memory effects. *SIAM Journal on Mathematical Analysis*, 44(3):1562–1587, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). **Burq:2012:WEE**
- [BDWZ12] Nicolas Burq, Semyon Dyatlov, Rachel Ward, and Maciej Zworski. Weighted eigenfunction estimates with applications to compressed sensing. *SIAM Journal on Mathematical Analysis*, 44(5):3481–3501, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). **Bellieud:2010:TEE**
- [BEH15] K. Bahllali, E. Essaky, and M. Hassani. Existence and uniqueness of multidimensional BSDEs and of systems of degenerate PDEs with superlinear growth generator. *SIAM Journal on Mathematical Analysis*, 47(6):4251–4288, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). **Bel10**
- [Bel10] Michel Bellieud. Torsion effects in elastic composites with high contrast.

- [Ber12b] *SIAM Journal on Mathematical Analysis*, 41(6):2514–2553, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Bel17] Michel Bellieud. Homogenization of stratified elastic composites with high contrast. *SIAM Journal on Mathematical Analysis*, 49(4):2615–2665, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Ben17] Antoine Benoit. Geometric optics expansions for hyperbolic corner problems II: From weak stability to violent instability. *SIAM Journal on Mathematical Analysis*, 49(5):3335–3395, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Bernard:2012:PSG] Jean-Marie Bernard. Problem of second grade fluids in convex polyhedrons. *SIAM Journal on Mathematical Analysis*, 44(3):2018–2038, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Berthelin:2017:TSM] F. Berthelin. Theoretical study of a multidimensional pressureless model with unilateral constraint. *SIAM Journal on Mathematical Analysis*, 49(3):2287–2320, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Bess12] Ugo Bessi. Chaotic motions for a version of the Vlasov equation. *SIAM Journal on Mathematical Analysis*, 44(4):2496–2525, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Bess16] Ugo Bessi. Existence of solutions of the master equation in the smooth case. *SIAM Journal on Mathematical Analysis*, 48(1):204–228, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Bernard:2012:STE] J.-M. Bernard. Steady transport equation in the case where the normal component of the velocity does not vanish on the boundary. *SIAM Journal on Mathematical Analysis*, 44(2):993–1018, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Benoit:2017:GOE] Antoine Benoit. Geometric optics expansions for hyperbolic corner problems II: From weak stability to violent instability. *SIAM Journal on Mathematical Analysis*, 49(5):3335–3395, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Bellieud:2017:HSE] Michel Bellieud. Homogenization of stratified elastic composites with high contrast. *SIAM Journal on Mathematical Analysis*, 49(4):2615–2665, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

- [Bét16] **Betermin:2016:TDT**
 Laurent Bétermin. Two-dimensional theta functions and crystallization among Bravais lattices. *SIAM Journal on Mathematical Analysis*, 48(5):3236–3269, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Bev11] **Bevan:2011:ALM**
 J. J. Bevan. Austenite as a local minimizer in a model of material microstructure with a surface energy term. *SIAM Journal on Mathematical Analysis*, 43(2):1041–1073, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v43/i2/p1041_s1.
- [BFDJ13] **Bidegaray-Fesquet:2013:NCD**
 Brigitte Bidégaray-Fesquet, Eric Dumas, and Guillaume James. From Newton’s cradle to the discrete p -Schrödinger equation. *SIAM Journal on Mathematical Analysis*, 45(6):3404–3430, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [BFFO17] **Bella:2017:SHL**
 Peter Bella, Benjamin Fehrman, Julian Fischer, and Felix Otto. Stochastic homogenization of linear elliptic equations: Higher-order error estimates in weak norms via second-order correctors. *SIAM Journal on Mathematical Analysis*, 49(6):4658–4703, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [BFG⁺13] **Berninger:2013:DID**
 H. Berninger, E. Frénod, M. Gander, M. Liebendörfer, and J. Michaud. Derivation of the Isotropic Diffusion Source Approximation (IDSA) for supernova neutrino transport by asymptotic expansions. *SIAM Journal on Mathematical Analysis*, 45(6):3229–3265, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [BFGPE⁺12] **Barcelo:2012:BAL**
 Juan Antonio Barceló, Magali Folch-Gabayet, Salvador Pérez-Esteve, Alberto Ruiz, and Mari Cruz Vilela. A Born approximation for live loads in Navier elasticity. *SIAM Journal on Mathematical Analysis*, 44(4):2824–2846, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [BFBK16] **Biskup:2016:EFL**
 Marek Biskup, Ryoki Fukushima, and Wolfgang König. Eigenvalue fluctuations for lattice Anderson Hamiltonians.

- SIAM Journal on Mathematical Analysis*, 48(4):2674–2700, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [BFLN16] Peter Bella, Eduard Feireisl, Marta Lewicka, and Antonín Novotný. A rigorous justification of the Euler and Navier–Stokes equations with geometric effects. *SIAM Journal on Mathematical Analysis*, 48(6):3907–3930, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [BFLS12] Guy Bouchitté, Ilaria Fragalà, Ilaria Lucardesi, and Pierre Seppecher. Optimal thin torsion rods and Cheeger sets. *SIAM Journal on Mathematical Analysis*, 44(1):483–512, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v44/i1/p483_s1.
- [BFLS18] Barbora Benesová, Johannes Forster, Chun Liu, and Anja Schlömerkemper. Existence of weak solutions to an evolutionary model for magnetoelectroelasticity. *SIAM Journal on Mathematical Analysis*, 50(1):1200–1236, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [BFM12] J.-F. Babadjian, G. A. Francfort, and M. G. Mora. Quasistatic evolution in nonassociative plasticity: The cap model. *SIAM Journal on Mathematical Analysis*, 44(1):245–292, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v44/i1/p245_s1.
- [BFN⁺13] C. Bardos, M. C. Lopes Filho, Dongjuan Niu, H. J. Nussenzweig Lopes, and E. S. Titi. Stability of two-dimensional viscous incompressible flows under three-dimensional perturbations and inviscid symmetry breaking. *SIAM Journal on Mathematical Analysis*, 45(3):1871–1885, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [BFRV13] J. A. Barceló, Daniel Faraco, Alberto Ruiz, and Ana Vargas. Reconstruction of discontinuities from backscattering data in two dimensions. *SIAM Journal on Mathematical Analysis*, 45(6):3494–3513, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Babadjian:2012:QSE**
- Bella:2016:RJE**
- Bardos:2013:STD**
- Barcelo:2013:RDB**
- Bouchitte:2012:OTT**
- Benesova:2018:EWS**

- 1410 (print), 1095-7154 (electronic).
- [BFS14] Dieter Bothe, André Fischer, and Jürgen Saal. Global well-posedness and stability of electrokinetic flows. *SIAM Journal on Mathematical Analysis*, 46(2):1263–1316, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [BFV17] Elena Beretta, Elisa Francini, and Sergio Vessella. Differentiability of the Dirichlet to Neumann map under movements of polygonal inclusions with an application to shape optimization. *SIAM Journal on Mathematical Analysis*, 49(2):756–776, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [BFY15] Dmitry Batenkov, Omer Friedland, and Yosef Yomdin. Sampling, metric entropy, and dimensionality reduction. *SIAM Journal on Mathematical Analysis*, 47(1):786–796, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [BG14] **Bothe:2014:GWP**
Nils Berglund and Barbara Gentz. On the noise-induced passage through an unstable periodic orbit II: General case. *SIAM Journal on Mathematical Analysis*, 46(1):310–352, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [BG17] **Bertagna:2017:WPC**
Luca Bertagna and Max Gunzburger. Well posedness of a coupled ICE-hydrology problem arising in glaciology. *SIAM Journal on Mathematical Analysis*, 49(2):699–722, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [BGAHS17] **Bessaih:2017:SLD**
Hakima Bessaih, María J. Garrido-Atienza, Xiaoying Han, and Björn Schmalfuss. Stochastic lattice dynamical systems with fractional noise. *SIAM Journal on Mathematical Analysis*, 49(2):1495–1518, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [BGL12] **Bertozzi:2012:CRS**
Andrea L. Bertozzi, John B. Garnett, and Thomas Laurent. Characterization of radially symmetric finite

- time blowup in multidimensional aggregation equations. *SIAM Journal on Mathematical Analysis*, 44(2):651–681, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v44/i2/p651_s1. [BGN14]
- [BGL16] Miroslav Bulíček, Annegret Glitzky, and Matthias Liero. Systems describing electrothermal effects with $p(x)$ -Laplacian-like structure for discontinuous variable exponents. *SIAM Journal on Mathematical Analysis*, 48(5):3496–3514, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [BH11]
- [BGLV16] A. Bertozzi, J. Garnett, T. Laurent, and J. Verdera. The regularity of the boundary of a multidimensional aggregation patch. *SIAM Journal on Mathematical Analysis*, 48(6):3789–3819, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [BH17]
- [Bulicek:2012:UFI] Miroslav Bulíček, Piotr Gwiazda, Josef Málek, and Agnieszka Świerczewska-Gwiazda. On unsteady flows of implicitly constituted incompressible fluids. *SIAM Journal on Mathematical Analysis*, 44(4):2756–2801, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Brzezniak:2014:MSB] Zdzisław Brzeźniak, Ben Goldys, and Misha Neklyudov. Multidimensional stochastic Burgers equation. *SIAM Journal on Mathematical Analysis*, 46(1):871–889, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Bressan:2011:OEM] Alberto Bressan and Ke Han. Optima and equilibria for a model of traffic flow. *SIAM Journal on Mathematical Analysis*, 43(5):2384–2417, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v43/i5/p2384_s1.
- [Bedrossian:2017:SBP] Jacob Bedrossian and Siming He. Suppression of blowup in Patlak–Keller–Segel via shear flows. *SIAM Journal on Mathematical Analysis*, 49(6):4722–4766, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

- Bouin:2017:EDE**
- [BHM17] Emeric Bouin, Franca Hoffmann, and Clément Mouhot. Exponential decay to equilibrium for a fiber lay-down process on a moving conveyor belt. *SIAM Journal on Mathematical Analysis*, 49(4):3233–3251, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Bessaih:2016:ESS**
- [BHR16] Hakima Bessaih, Erika Hausenblas, and Paul A. Razafimandimby. Ergodicity of stochastic shell models driven by pure jump noise. *SIAM Journal on Mathematical Analysis*, 48(2):1423–1458, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Burger:2016:LFS**
- [BHRW16] Martin Burger, Sabine Hittmeir, Helene Ranetbauer, and Marie-Therese Wolfram. Lane formation by side-stepping. *SIAM Journal on Mathematical Analysis*, 48(2):981–1005, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Beck:2010:NSS**
- [BHSZ10] Margaret Beck, Hermen Jan Hupkes, Björn Sandstede, and Kevin Zumbrun. Non-linear stability of semidiscrete shocks for two-sided schemes. *SIAM Journal on Mathematical Analysis*, 42(2):857–903, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Bressan:2012:CRV**
- [BHWY12] Alberto Bressan, Feimin Huang, Yong Wang, and Tong Yang. On the convergence rate of vanishing viscosity approximations for nonlinear hyperbolic systems. *SIAM Journal on Mathematical Analysis*, 44(5):3537–3563, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Ballew:2016:BEC**
- [BIP16] Joshua Ballew, Gautam Iyer, and Robert L. Pego. Bose-Einstein condensation in a hyperbolic model for the Kompaneets equation. *SIAM Journal on Mathematical Analysis*, 48(6):3840–3859, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Bal:2010:STD**
- [BJ10] Guillaume Bal and Alexandre Jollivet. Stability for time-dependent inverse transport. *SIAM Journal on Mathematical Analysis*, 42(2):679–700, 2010. CODEN SJMAAH. ISSN 0036-

1410 (print), 1095-7154 (electronic).

Bellazzini:2016:DQG

[BJ16]

Jacopo Bellazzini and Louis Jeanjean. On dipolar quantum gases in the unstable regime. *SIAM Journal on Mathematical Analysis*, 48(3):2028–2058, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Bownik:2017:WB

[BJLO17]

Marcin Bownik, Mads S. Jakobsen, Jakob Lemvig, and Kasso A. Okoudjou. On Wilson bases in $L^2(\mathbf{R}^d)$. *SIAM Journal on Mathematical Analysis*, 49(5):3999–4023, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Bedrossian:2013:GEF

[BK13]

Jacob Bedrossian and Inwon C. Kim. Global existence and finite time blow-up for critical Patlak–Keller–Segel models with inhomogeneous diffusion. *SIAM Journal on Mathematical Analysis*, 45(3):934–964, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Benesova:2015:GYM

[BK15a]

Barbora Benesová and Malte Kampschulte. Gradient Young measures generated by

quasi-conformal maps in the plane. *SIAM Journal on Mathematical Analysis*, 47(6):4404–4435, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Biondini:2015:IST

[BK15b]

Gino Biondini and Daniel Kraus. Inverse scattering transform for the defocusing Manakov system with nonzero boundary conditions. *SIAM Journal on Mathematical Analysis*, 47(1):706–757, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Baia:2018:GYM

[BKK18]

Margarida Baía, Stefan Krömer, and Martin Kružík. Generalized $W^{1,1}$ -Young measures and relaxation of problems with linear growth. *SIAM Journal on Mathematical Analysis*, 50(1):1076–1119, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Baroni:2018:EBR

[BKLU18]

Paolo Baroni, Tuomo Kuusi, Casimir Lindfors, and José Miguel Urbano. Existence and boundary regularity for degenerate phase transitions. *SIAM Journal on Mathematical Analysis*, 50(1):456–490, 2018. CO-

- DEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [BL14]
- [BKP13] Dieter Bothe, Matthias Köhne, and Jan Prüss. On a class of energy preserving boundary conditions for incompressible Newtonian flows. *SIAM Journal on Mathematical Analysis*, 45(6):3768–3822, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [BKR16] Marco Bonacini, Hans Knüpfer, and Matthias Röger. Optimal distribution of oppositely charged phases: Perfect screening and other properties. *SIAM Journal on Mathematical Analysis*, 48(2):1128–1154, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [BLS15]
- [BL11] Jean F. Barros and Eduardo S. G. Leandro. The set of degenerate central configurations in the planar restricted four-body problem. *SIAM Journal on Mathematical Analysis*, 43(2):634–661, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v43/i2/p634_s1.
- [Barros:2014:BEC] Jean F. Barros and Eduardo S. G. Leandro. Bifurcations and enumeration of classes of relative equilibria in the planar restricted four-body problem. *SIAM Journal on Mathematical Analysis*, 46(2):1185–1203, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Buoso:2015:SSA] Davide Buoso and Pier Domenico Lamberti. Shape sensitivity analysis of the eigenvalues of the Reissner–Mindlin system. *SIAM Journal on Mathematical Analysis*, 47(1):407–426, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Bonnivard:2015:ALM] Matthieu Bonnivard, Antoine Lemenant, and Filippo Santambrogio. Approximation of length minimization problems among compact connected sets. *SIAM Journal on Mathematical Analysis*, 47(2):1489–1529, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Barchiesi:2016:BMH] Marco Barchiesi, Giuliano Lazzaroni, and Caterina Ida Zeppieri. A bridging mechanism in the homogenization

- of brittle composites with soft inclusions. *SIAM Journal on Mathematical Analysis*, 48(2): 1178–1209, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [BM10] Giovanni Bellettini and Luca Mugnai. Approximation of Helfrich’s functional via diffuse interfaces. *SIAM Journal on Mathematical Analysis*, 42(6):2402–2433, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [BM12a] Guillaume Bal and François Monard. Inverse transport with isotropic time-harmonic sources. *SIAM Journal on Mathematical Analysis*, 44(1): 134–161, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v44/i1/p134_s1.
- [BM12b] Hakima Bessaih and Annie Millet. Large deviations and the zero viscosity limit for 2D stochastic Navier–Stokes equations with free boundary. *SIAM Journal on Mathematical Analysis*, 44(3):1861–1893, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [BM15a] Moustapha Ba and Pierre Mathieu. A Sobolev inequality and the individual invariance principle for diffusions in a periodic potential. *SIAM Journal on Mathematical Analysis*, 47(3):2022–2043, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [BM15b] Dorin Bucur and Dario Mazoleni. A surgery result for the spectrum of the Dirichlet Laplacian. *SIAM Journal on Mathematical Analysis*, 47(6): 4451–4466, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [BM18] Paolo Buttà and Carlo Marchioro. Long time evolution of concentrated Euler flows with planar symmetry. *SIAM Journal on Mathematical Analysis*, 50(1):735–760, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [BMC14] José C. Bellido and Carlos Mora-Corral. Existence for nonlocal variational problems

Ba:2015:SII**Bellettini:2010:AHF****Bucur:2015:SRS****Bal:2012:ITI****Butta:2018:LTE****Bessaih:2012:LDZ****Bellido:2014:ENV**

in peridynamics. *SIAM Journal on Mathematical Analysis*, 46(1):890–916, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Bellido:2018:LSR

[BMC18]

José C. Bellido and Carlos Mora-Corral. Lower semi-continuity and relaxation via Young measures for nonlocal variational problems and applications to peridynamics. *SIAM Journal on Mathematical Analysis*, 50(1):779–809, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Bandle:2016:SSS

[BMMP16]

C. Bandle, P. Mastrolia, D. D. Monticelli, and F. Punzo. On the stability of solutions of semilinear elliptic equations with Robin boundary conditions on Riemannian manifolds. *SIAM Journal on Mathematical Analysis*, 48(1):122–151, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Bronzi:2014:TSS

[BMR14]

Anne C. Bronzi, Cecilia F. Mondaini, and Ricardo M. S. Rosa. Trajectory statistical solutions for three-dimensional Navier–Stokes-like systems. *SIAM Journal on Mathematical Analysis*,

46(3):1893–1921, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Bermudez:2013:TEC

[BMSR⁺13]

Alfredo Bermúdez, Rafael Muñoz-Sola, Carlos Reales, Rodolfo Rodríguez, and Pilar Salgado. A transient eddy current problem on a moving domain. *mathematical analysis. SIAM Journal on Mathematical Analysis*, 45(6):3629–3650, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Bensoussan:2016:NBV

[BMY16]

A. Bensoussan, L. Mertzt, and S. C. P. Yam. NonLocal boundary value problems of a stochastic variational inequality modeling an elasto-plastic oscillator excited by a filtered noise. *SIAM Journal on Mathematical Analysis*, 48(4):2783–2805, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Bressan:2014:GEW

[BN14]

Alberto Bressan and Khai T. Nguyen. Global existence of weak solutions for the Burgers–Hilbert equation. *SIAM Journal on Mathematical Analysis*, 46(4):2884–2904, 2014. CODEN SJMAAH. ISSN 0036-

1410 (print), 1095-7154 (electronic).

Bonnaillie-Noel:2010:GVT

- [BNDHV10] V. Bonnaillie-Noël, M. Dambrine, F. Héreau, and G. Vial. On generalized Ventcel's type boundary conditions for Laplace operator in a bounded domain. *SIAM Journal on Mathematical Analysis*, 42(2): 931–945, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Byun:2016:NPE

- [BO16] Sun-Sig Byun and Jihoon Ok. Nonlinear parabolic equations with variable exponent growth in nonsmooth domains. *SIAM Journal on Mathematical Analysis*, 48(5): 3148–3190, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Bonnotte:2013:KRB

- [Bon13] Nicolas Bonnotte. From Knothe's rearrangement to Brenier's optimal transport map. *SIAM Journal on Mathematical Analysis*, 45(1): 64–87, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Brenier:2011:UBC

- [BOS11] Yann Brenier, Felix Otto, and Christian Seis. Upper bounds on coarsening rates

in demixing binary viscous liquids. *SIAM Journal on Mathematical Analysis*, 43(1): 114–134, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v43/i1/p114_s1.

Bostan:2012:TCP

Mihai Bostan. Transport of charged particles under fast oscillating magnetic fields. *SIAM Journal on Mathematical Analysis*, 44(3):1415–1447, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Bostan:2016:MAL

Mihai Bostan. MultiScale analysis for linear first order PDEs. The finite Larmor radius regime. *SIAM Journal on Mathematical Analysis*, 48(3): 2133–2188, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Baratchart:2017:BNP

Laurent Baratchart, Martine Olivi, and Fabien Seyfert. Boundary Nevanlinna–Pick interpolation with prescribed peak points. Application to impedance matching. *SIAM Journal on Mathematical Analysis*, 49(2):1131–1165, 2017. CODEN SJMAAH. ISSN 0036-

1410 (print), 1095-7154 (electronic).

Bouya:2013:IFM

[Bou13]

Ismaël Bouya. Instability of the forced magnetohydrodynamics system at small Reynolds number. *SIAM Journal on Mathematical Analysis*, 45(1):307–323, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Bourgeat:2010:ASR

[BP10]

Alain Bourgeat and Andrey L. Piatnitski. Averaging of a singular random source term in a diffusion convection equation. *SIAM Journal on Mathematical Analysis*, 42(6):2626–2651, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Bertini:2012:VAS

[BP12a]

Lorenzo Bertini and Marcello Ponsiglione. A variational approach to the stationary solutions of the Burgers equation. *SIAM Journal on Mathematical Analysis*, 44(2):682–698, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v44/i2/p682_s1.

Boukrouche:2012:AAM

[BP12b]

Mahdi Boukrouche and Laetitia Paoli. Asymptotic analysis

of a micropolar fluid flow in a thin domain with a free and rough boundary. *SIAM Journal on Mathematical Analysis*, 44(2):1211–1256, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Bresch:2014:NLW

[BP14a]

Didier Bresch and Christophe Prange. Newtonian limit for weakly viscoelastic fluid flows. *SIAM Journal on Mathematical Analysis*, 46(2):1116–1159, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Bulicek:2014:EAM

[BP14b]

Miroslav Bulíček and Petra Pustejovská. Existence analysis for a model describing flow of an incompressible chemically reacting non-Newtonian fluid. *SIAM Journal on Mathematical Analysis*, 46(5):3223–3240, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Braides:2015:HDH

[BPP15]

Andrea Braides, Valeria Chiadò Piat, and Andrey Piatnitski. Homogenization of discrete high-contrast energies. *SIAM Journal on Mathematical Analysis*, 47(4):3064–3091, 2015. CODEN SJMAAH. ISSN 0036-

- 1410 (print), 1095-7154 (electronic).
- [BPS16] Sebastian Bauer, Dirk Pauly, and Michael Schomburg. The Maxwell compactness property in bounded weak Lipschitz domains with mixed boundary conditions. *SIAM Journal on Mathematical Analysis*, 48(4):2912–2943, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [BPW15] Kristian Bredies, Thomas Pock, and Benedikt Wirth. A convex, lower semicontinuous approximation of Euler’s elastica energy. *SIAM Journal on Mathematical Analysis*, 47(1):566–613, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [BPZ17] Miroslav Bulíček, Milan Pokorný, and Nicola Zamponi. Existence analysis for incompressible fluid model of electrically charged chemically reacting and heat conducting mixtures. *SIAM Journal on Mathematical Analysis*, 49(5):3776–3830, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [BR11] Jared C. Bronski and Zoi Rapti. Counting defect modes in periodic eigenvalue problems. *SIAM Journal on Mathematical Analysis*, 43(2):803–827, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v43/i2/p803_s1.
- [BR17] E. Bäuml and M. Ruzicka. Existence of weak solutions for unsteady motions of micropolar electrorheological fluids. *SIAM Journal on Mathematical Analysis*, 49(1):115–141, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Bra16] Lorenzo Brandolese. Characterization of solutions to dissipative systems with sharp algebraic decay. *SIAM Journal on Mathematical Analysis*, 48(3):1616–1633, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Bre13] Jan Brezina. Asymptotic behavior of solutions to the compressible Navier–Stokes equation around a time-periodic parallel flow. *SIAM Journal on Mathematical Analysis*,

- 45(6):3514–3574, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [BRS17] Julián Fernández Bonder, Antonella Ritorto, and Ariel Martín Salort. H -convergence result for nonlocal elliptic-type problems via Tartar’s method. *SIAM Journal on Mathematical Analysis*, 49(4):2387–2408, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Bru16] Martins Bruveris. Optimal reparametrizations in the square root velocity framework. *SIAM Journal on Mathematical Analysis*, 48(6):4335–4354, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [BS16a] Jianhai Bao and Jinghai Shao. Permanence and extinction of regime-switching predator–prey models. *SIAM Journal on Mathematical Analysis*, 48(1):725–739, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [BS16b] Krzysztof Bartosz and Mircea Sofonea. The Rothe method for variational-hemivariational inequalities with applications to contact mechanics. *SIAM Journal on Mathematical Analysis*, 48(2):861–883, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [BST17a] Loredana Balilescu, Jorge San Martín, and Takéo Takahashi. Fluid-rigid structure interaction system with Coulomb’s law. *SIAM Journal on Mathematical Analysis*, 49(6):4625–4657, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [BST17b] Michiel Bertsch, Flavia Smarrazzo, and Alberto Tesi. On a class of forward-backward parabolic equations: Properties of solutions. *SIAM Journal on Mathematical Analysis*, 49(3):2037–2060, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [BSW16] Dean Baskin, Euan A. Spence, and Jared Wunsch. Sharp high-frequency estimates for the Helmholtz equation and applications to boundary integral equations. *SIAM Journal on Mathematical Analysis*, 48(1):229–267, 2016. CO-

- DEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [BV10]
- [BT12] Stefano Bianchini and Daniela Tonon. SBV regularity for Hamilton–Jacobi equations with Hamiltonian depending on (t, x) . *SIAM Journal on Mathematical Analysis*, 44(3): 2179–2203, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [BV13]
- [BT16] Guy Barles and Erwin Topp. Existence, uniqueness, and asymptotic behavior for non-local parabolic problems with dominating gradient terms. *SIAM Journal on Mathematical Analysis*, 48(2):1512–1547, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [BW12]
- [BTZ15] Lorena Bociu, Daniel Toundykov, and Jean-Paul Zolésio. Well-posedness analysis for a linearization of a fluid-elasticity interaction. *SIAM Journal on Mathematical Analysis*, 47(3): 1958–2000, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [BW17]
- Belishev:2010:PTD**
M. I. Belishev and A. F. Vakulenko. s -points in three-dimensional acoustical scattering. *SIAM Journal on Mathematical Analysis*, 42(6): 2703–2720, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Baer:2013:BBT**
Eric Baer and Alexis Vasseur. A bound from below on the temperature for the Navier–Stokes–Fourier system. *SIAM Journal on Mathematical Analysis*, 45(4):2046–2063, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Boeckle:2012:DES**
Christoph Boeckle and Peter Wittwer. Decay estimates for steady solutions of the Navier–Stokes equations in two dimensions in the presence of a Wall. *SIAM Journal on Mathematical Analysis*, 44(5):3346–3368, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Brancolini:2017:OES**
Alessio Brancolini and Benedikt Wirth. Optimal energy scaling for micropatterns in transport networks. *SIAM Journal on Mathematical Analysis*, 49

- (1):311–359, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [Cal15]
- [BWW14] **Berestycki:2014:ESA**
Henri Berestycki, Juncheng Wei, and Matthias Winter. Existence of symmetric and asymmetric spikes for a crime hotspot model. *SIAM Journal on Mathematical Analysis*, 46(1):691–719, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [Can10a]
- [BYH15] **Bingbing:2015:SDS**
Ding Bingbing, Liu Yingbo, and Yin Huicheng. The small data solutions of general 3D quasilinear wave equations. I. *SIAM Journal on Mathematical Analysis*, 47(6):4192–4228, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [Can10b]
- [BYZ12] **Bao:2012:SSL**
Gang Bao, KiHyun Yun, and Zhengfang Zhou. Stability of the scattering from a large electromagnetic cavity in two dimensions. *SIAM Journal on Mathematical Analysis*, 44(1):383–404, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v44/i1/p383_s1. [Car14]
- Calvo:2015:ACD**
Juan Calvo. Analysis of a class of degenerate parabolic equations with saturation mechanisms. *SIAM Journal on Mathematical Analysis*, 47(4):2917–2951, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Cances:2010:ABTa**
Clément Cancès. Asymptotic behavior of two-phase flows in heterogeneous porous media for capillarity depending only on space. I. Convergence to the optimal entropy solution. *SIAM Journal on Mathematical Analysis*, 42(2):946–971, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Cances:2010:ABTb**
Clément Cancès. Asymptotic behavior of two-phase flows in heterogeneous porous media for capillarity depending only on space. II. Non-classical shocks to model oil-trapping. *SIAM Journal on Mathematical Analysis*, 42(2):972–995, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Carbou:2014:MWC**
Gilles Carbou. Metastability of wall configurations

- in ferromagnetic nanowires. *SIAM Journal on Mathematical Analysis*, 46(1):45–95, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Cav12] **Cavalletti:2012:OTB**
 Fabio Cavalletti. Optimal transport with branching distance costs and the obstacle problem. *SIAM Journal on Mathematical Analysis*, 44(1):454–482, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v44/i1/p454_s1.
- [CC10] **Chermisi:2010:MRN**
 Milena Chermisi and Sergio Conti. Multiwell rigidity in nonlinear elasticity. *SIAM Journal on Mathematical Analysis*, 42(5):1986–2012, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [CC11] **Chesnel:2011:CIE**
 Lucas Chesnel and Patrick Ciarlet, Jr. Compact imbeddings in electromagnetism with interfaces between classical materials and metamaterials. *SIAM Journal on Mathematical Analysis*, 43(5):2150–2169, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [CCC+17] **Cheng:2017:RTM**
 Bin Cheng, Jingrui Cheng, Michael Cullen, John Norbury, and Matthew Turner. A rigorous treatment of moist convection in a single column. *SIAM Journal on Mathematical Analysis*, 49(5):3854–3892, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v43/i5/p2150_s1.
- [CCcdL17] **Calleja:2017:RSQ**
 Renato C. Calleja, Alessandra Celletti, Livia Corsi, and Rafael de la Llave. Response solutions for quasiperiodically forced, dissipative wave equations. *SIAM Journal on Mathematical Analysis*, 49(4):3161–3207, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [CCFdL14] **Calleja:2014:EGC**
 Renato C. Calleja, Alessandra Celletti, Corrado Falcolini, and Rafael de la Llave. An extension of Greene’s criterion for conformally symplectic systems and a partial justification. *SIAM Journal on Mathematical Analysis*, 46(4):2350–2384, 2014. CODEN SJMAAH. ISSN 0036-

- 1410 (print), 1095-7154 (electronic).
- [CCG10] Fioralba Cakoni, David Colton, and Drossos Gintides. The interior transmission eigenvalue problem. *SIAM Journal on Mathematical Analysis*, 42(6):2912–2921, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v42/i6/p2912_s1.
- [CCH10] Fioralba Cakoni, David Colton, and Houssein Haddar. The interior transmission problem for regions with cavities. *SIAM Journal on Mathematical Analysis*, 42(1):145–162, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [CCLCP13] A. N. Carvalho, J. W. Cholewa, G. Lozada-Cruz, and M. R. T. Primo. Reduction of infinite dimensional systems to finite dimensions: Compact convergence approach. *SIAM Journal on Mathematical Analysis*, 45(2):600–638, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [CCLM15] **Cakoni:2010:ITE**
- [CCM12] **Cakoni:2010:ITP**
- [CCM14] **Carvalho:2013:RID**
- [CCM16] **Coclite:2016:MEM**
- Corbera:2015:BRE**
- Montserrat Corbera, Josep Cors, Jaume Llibre, and Richard Moeckel. Bifurcation of relative equilibria of the (1 + 3)-body problem. *SIAM Journal on Mathematical Analysis*, 47(2):1377–1404, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Cantrell:2012:GBS**
- Robert Stephen Cantrell, Chris Cosner, and Raúl Manásevich. Global bifurcation of solutions for crime modeling equations. *SIAM Journal on Mathematical Analysis*, 44(3):1340–1358, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Caprino:2014:MCP**
- Silvia Caprino, Guido Cavallaro, and Carlo Marchioro. On a magnetically confined plasma with infinite charge. *SIAM Journal on Mathematical Analysis*, 46(1):133–164, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

- morphogens in a growing tissue. *SIAM Journal on Mathematical Analysis*, 48(3):1575–1615, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [CDD⁺12]
- [CCNP17] **Cacciapuoti:2017:ODD**
 Claudio Cacciapuoti, Raffaele Carlone, Diego Noja, and Andrea Posilicano. The one-dimensional Dirac equation with concentrated nonlinearity. *SIAM Journal on Mathematical Analysis*, 49(3):2246–2268, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [CCV15] **Carrillo:2015:GSD**
 José Antonio Carrillo, Daniele Castorina, and Bruno Volzone. Ground states for diffusion dominated free energies with logarithmic interaction. *SIAM Journal on Mathematical Analysis*, 47(1):1–25, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [CD11] **Crasta:2011:CRF**
 Graziano Crasta and Virginia De Cicco. A chain rule formula in the space BV and applications to conservation laws. *SIAM Journal on Mathematical Analysis*, 43(1):430–456, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v43/i1/p430_s1.
- [CDK11] **Conti:2011:ABC**
 Sergio Conti, Georg Dolzmann, and Carolin Kreisbeck. Asymptotic behavior of crystal plasticity with one slip system in the limit of rigid elasticity. *SIAM Journal on Mathematical Analysis*, 43(5):2337–2353, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v43/i5/p2337_s1.
- [CDL16] **Cacciafesta:2016:HDE**
 Federico Cacciafesta, Piero D’Ancona, and Renato Lucà. Helmholtz and dispersive equations with variable coefficients on exterior domains. *SIAM Journal on Mathematical Analysis*, 48(3):1798–1832, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Cioranescu:2012:PUM**
 D. Cioranescu, A. Damlamian, P. Donato, G. Griso, and R. Zaki. The periodic unfolding method in domains with holes. *SIAM Journal on Mathematical Analysis*, 44(2):718–760, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

- Casado-Diaz:2013:ABN**
- [CDLLSG13] J. Casado-Díaz, M. Luna-Laynez, and F. J. Suárez-Grau. Asymptotic behavior of the Navier–Stokes system in a thin domain with Navier condition on a slightly rough boundary. *SIAM Journal on Mathematical Analysis*, 45(3):1641–1674, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Chen:2013:ITL**
- [CDM13] Li Chen, Donatella Donatelli, and Pierangelo Marcati. Incompressible type limit analysis of a hydrodynamic model for charge-carrier transport. *SIAM Journal on Mathematical Analysis*, 45(3):915–933, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Cesaroni:2016:HMF**
- [CDM16] Annalisa Cesaroni, Nicolas Dirr, and Claudio Marchi. Homogenization of a mean field game system in the small noise limit. *SIAM Journal on Mathematical Analysis*, 48(4):2701–2729, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Cardone:2010:LEE**
- [CDN10] G. Cardone, T. Durante, and S. A. Nazarov. The localization effect for eigenfunctions of the mixed boundary value problem in a thin cylinder with distorted ends. *SIAM Journal on Mathematical Analysis*, 42(6):2581–2609, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Cicalese:2016:GST**
- [CDNP16] M. Cicalese, L. De Luca, M. Novaga, and M. Ponsiglione. Ground states of a two phase model with cross and self attractive interactions. *SIAM Journal on Mathematical Analysis*, 48(5):3412–3443, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Carlier:2017:CES**
- [CDPS17] Guillaume Carlier, Vincent Duval, Gabriel Peyré, and Bernhard Schmitzer. Convergence of entropic schemes for optimal transport and gradient flows. *SIAM Journal on Mathematical Analysis*, 49(2):1385–1418, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Choquet:2017:MAS**
- [CDR17] C. Choquet, M. M. Diédhiou, and C. Rosier. Mathematical analysis of a seawater intrusion model including storativity. *SIAM Journal on*

- Mathematical Analysis*, 49(1): 29–63, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [CDX17]
- [CDS10] Rémi Carles, Eric Dumas, and Christof Sparber. Multiphase weakly nonlinear geometric optics for Schrödinger equations. *SIAM Journal on Mathematical Analysis*, 42(1): 489–518, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [CDZ13]
- [CDW13] Thierry Cazenave, Flávio Dickstein, and Fred B. Weissler. Finite-time blowup for a complex Ginzburg–Landau equation. *SIAM Journal on Mathematical Analysis*, 45(1):244–266, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [CEH14]
- [CDX12] Gui-Qiang G. Chen, Xue-mei Deng, and Wei Xiang. Global steady subsonic flows through infinitely long nozzles for the full Euler equations. *SIAM Journal on Mathematical Analysis*, 44(4): 2888–2919, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [CEIV17]
- [Cheng:2017:IRF] Jianfeng Cheng, Lili Du, and Wei Xiang. Incompressible Réthy flows in two dimensions. *SIAM Journal on Mathematical Analysis*, 49(5): 3427–3475, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Chen:2013:ADS] Guanggan Chen, Jinqiao Duan, and Jian Zhang. Approximating dynamics of a singularly perturbed stochastic wave equation with a random dynamical boundary condition. *SIAM Journal on Mathematical Analysis*, 45(5): 2790–2814, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Calder:2014:HJE] Jeff Calder, Selim Esedoǧlu, and Alfred O. Hero. A Hamilton–Jacobi equation for the continuum limit of non-dominated sorting. *SIAM Journal on Mathematical Analysis*, 46(1):603–638, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Constantin:2017:RIL] Peter Constantin, Tarek Elgindi, Mihaela Ignatova, and Vlad Vicol. Remarks on the inviscid limit for the

- Navier–Stokes equations for uniformly bounded velocity fields. *SIAM Journal on Mathematical Analysis*, 49(3): 1932–1946, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [CEQW16] **Cortazar:2016:ABO** [CF11] Carmen Cortázar, Manuel Elgueta, Fernando Quirós, and Noemí Wolanski. Asymptotic behavior for a one-dimensional nonlocal diffusion equation in exterior domains. *SIAM Journal on Mathematical Analysis*, 48(3): 1549–1574, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Cer11] **Cerrai:2011:APS** [CF14] Sandra Cerrai. Averaging principle for systems of reaction–diffusion equations with polynomial nonlinearities perturbed by multiplicative noise. *SIAM Journal on Mathematical Analysis*, 43(6): 2482–2518, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v43/i6/p2482_s1.
- [Ces11] **Cesana:2011:NEG** Pierluigi Cesana. Nematic elastomers: Gamma-limits for large bodies and small particles. *SIAM Journal on Mathematical Analysis*, 43(5): 2354–2383, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v43/i5/p2354_s1.
- Chen:2011:AAN** Xinfu Chen and Avner Friedman. Asymptotic analysis for the narrow escape problem. *SIAM Journal on Mathematical Analysis*, 43(6):2542–2563, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v43/i6/p2542_s1.
- Calsina:2014:PSS** Àngel Calsina and József Z. Farkas. Positive steady states of evolution equations with finite dimensional nonlinearities. *SIAM Journal on Mathematical Analysis*, 46(2):1406–1426, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [CFGL17] **Chen:2017:BWS** Robin Ming Chen, Lili Fan, Hongjun Gao, and Yue Liu. Breaking waves and solitary waves to the rotation-two-component Camassa–Holm system. *SIAM Journal on Mathematical Analysis*, 49(5): 3573–3602, 2017. CODEN SJMAAH. ISSN 0036-

1410 (print), 1095-7154 (electronic).

Carrillo:2010:AFD

[CFRT10]

J. A. Carrillo, M. Fornasier, J. Rosado, and G. Toscani. Asymptotic flocking dynamics for the kinetic Cucker–Smale model. *SIAM Journal on Mathematical Analysis*, 42(1):218–236, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Claeys:2010:SAK

[CG10a]

Tom Claeys and Tamara Grava. Solitonic asymptotics for the Korteweg–de Vries equation in the small dispersion limit. *SIAM Journal on Mathematical Analysis*, 42(5):2132–2154, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Coclite:2010:VVT

[CG10b]

G. M. Coclite and M. Garavello. Vanishing viscosity for traffic on networks. *SIAM Journal on Mathematical Analysis*, 42(4):1761–1783, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Cowan:2010:EPD

[CG10c]

Craig Cowan and Nassif Ghossoub. Estimates on pull-in distances in microelectromechanical systems mod-

els and other nonlinear eigenvalue problems. *SIAM Journal on Mathematical Analysis*, 42(5):1949–1966, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Colombo:2011:STB

[CG11]

Maria Colombo and Massimo Gobbino. Slow time behavior of the semidiscrete Perona–Malik scheme in one dimension. *SIAM Journal on Mathematical Analysis*, 43(6):2564–2600, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v43/i6/p2564_s1.

Cakoni:2010:EID

[CGH10]

Fioralba Cakoni, Drossos Gintides, and Housseem Haddar. The existence of an infinite discrete set of transmission eigenvalues. *SIAM Journal on Mathematical Analysis*, 42(1):237–255, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Cakoni:2016:HSS

[CGM16]

Fioralba Cakoni, Bojan B. Guzina, and Shari Moskow. On the homogenization of a scalar scattering problem for highly oscillating anisotropic media. *SIAM Journal on Mathematical Analysis*, 48(4):2532–2560, 2016. CO-

- DEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [CGP13] Qingshan Chen, Max Gunzburger, and Mauro Perego. Well-posedness results for a nonlinear Stokes problem arising in glaciology. *SIAM Journal on Mathematical Analysis*, 45(5):2710–2733, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [CGS10] G. Carlier, A. Galichon, and F. Santambrogio. From Knothe’s transport to Brenier’s map and a continuation method for optimal transport. *SIAM Journal on Mathematical Analysis*, 41(6):2554–2576, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [CGS17] Pierluigi Colli, Gianni Gilardi, and Jürgen Sprekels. Global existence for a nonstandard viscous Cahn–Hilliard system with dynamic boundary condition. *SIAM Journal on Mathematical Analysis*, 49(3):1732–1760, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [CGT11] F. Cagnetti, D. Gomes, and H. V. Tran. Aubry–Mather measures in the nonconvex setting. *SIAM Journal on Mathematical Analysis*, 43(6):2601–2629, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v43/i6/p2601_s1.
- [CH11a] Sun-Ho Choi and Seung-Yeal Ha. Asymptotic behavior of the nonlinear Vlasov equation with a self-consistent force. *SIAM Journal on Mathematical Analysis*, 43(5):2050–2077, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v43/i5/p2050_s1.
- [CH11b] Anne Cossonnière and Houssein Haddar. The electromagnetic interior transmission problem for regions with cavities. *SIAM Journal on Mathematical Analysis*, 43(4):1698–1715, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v43/i4/p1698_s1.

- [CH13] **Charve:2013:EGS**
Frédéric Charve and Boris Haspot. Existence of a global strong solution and vanishing capillarity-viscosity limit in one dimension for the Korteweg system. *SIAM Journal on Mathematical Analysis*, 45(2):469–494, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [CH15] **Chen:2015:SMV**
I-Kun Chen and Chun-Hsiung Hsia. Singularity of macroscopic variables near boundary for gases with cutoff hard potential. *SIAM Journal on Mathematical Analysis*, 47(6):4332–4349, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Cha14] **Chae:2014:TES**
Dongho Chae. On the transport equations with singular/regular nonlocal velocities. *SIAM Journal on Mathematical Analysis*, 46(2):1017–1029, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Che12] **Cheng:2012:SLC**
Bin Cheng. Singular limits and convergence rates of compressible Euler and rotating shallow water equations. *SIAM Journal on Mathematical Analysis*, 44(2):1050–1076, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Che14] **Cheng:2014:IAI**
Bin Cheng. Improved accuracy of incompressible approximation of compressible Euler equations. *SIAM Journal on Mathematical Analysis*, 46(6):3838–3864, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Che15] **Chen:2015:BRO**
Shibing Chen. Boundary $C^{1,\alpha}$ regularity of an optimal transport problem with cost close to $-x \cdot y$. *SIAM Journal on Mathematical Analysis*, 47(4):2689–2698, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Che18] **Chen:2018:RSS**
I-Kun Chen. Regularity of stationary solutions to the linearized Boltzmann equations. *SIAM Journal on Mathematical Analysis*, 50(1):138–161, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [CHK15] **Caraballo:2015:NCV**
Tomás Caraballo, Xiaoying Han, and Peter E. Kloeden. Nonautonomous

- chemostats with variable delays. *SIAM Journal on Mathematical Analysis*, 47(3):2178–2199, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [CHS13a]
- [CHL15] Geng Chen, Tao Huang, and Chun Liu. Finite time singularities for hyperbolic systems. *SIAM Journal on Mathematical Analysis*, 47(1):758–785, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [CHS13b]
- [CHL17] Mi-Ran Choi, Dirk Hundertmark, and Young-Ran Lee. Thresholds for existence of dispersion management solitons for general nonlinearities. *SIAM Journal on Mathematical Analysis*, 49(2):1519–1569, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [Chu14]
- [Cho16] Young-Pil Choi. Global classical solutions and large-time behavior of the two-phase fluid model. *SIAM Journal on Mathematical Analysis*, 48(5):3090–3122, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [CHW16]
- Coutand:2013:WPF**
Daniel Coutand, Jason Hole, and Steve Shkoller. Well-posedness of the free-boundary compressible 3-D Euler equations with surface tension and the zero surface tension limit. *SIAM Journal on Mathematical Analysis*, 45(6):3690–3767, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Cuesta:2013:TWK**
Carlota M. Cuesta, Sabine Hittmeir, and Christian Schmeiser. Traveling waves of a kinetic transport model for the KPP-fisher equation. *SIAM Journal on Mathematical Analysis*, 44(6):4128–4146, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Chupin:2014:GER**
Laurent Chupin. Global existence results for some viscoelastic models with an integral constitutive law. *SIAM Journal on Mathematical Analysis*, 46(3):1859–1873, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Cao:2016:IIS**
Wentao Cao, Feimin Huang, and Dehua Wang. Isometric immersion of surface

- with negative Gauss curvature and the Lax–Friedrichs scheme. *SIAM Journal on Mathematical Analysis*, 48(3): 2227–2249, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [CK13]
- [CJP13] **Capriani:2013:QSO**
Giuseppe Maria Capriani, Vesa Julin, and Giovanni Pisante. A quantitative second order minimality criterion for cavities in elastic bodies. *SIAM Journal on Mathematical Analysis*, 45(3): 1952–1991, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [CK11] **Chung:2011:RNP**
Jaywan Chung and Yong Jung Kim. Relative Newtonian potentials of radial functions and asymptotics in nonlinear diffusion. *SIAM Journal on Mathematical Analysis*, 43(4): 1975–1994, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v43/i4/p1975_s1. See addendum [CK13].
- [CK12] **Chen:2012:SPM**
Chiun-Chuan Chen and Theodore Kolokolnikov. Simple PDE model of spot replication in any dimension. *SIAM Journal on Mathematical Analysis*, 44(5):3564–3593, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Chung:2013:ARN**
Jaywan Chung and Yong Jung Kim. Addendum to “Relative Newtonian Potentials of Radial Functions and Asymptotics in Nonlinear Diffusion”. *SIAM Journal on Mathematical Analysis*, 45(2): 728–731, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). See [CK11].
- [CKM14] **Chen:2014:PSW**
Chao-Nien Chen, Shih-Yin Kung, and Yoshihisa Morita. Planar standing wavefronts in the FitzHugh–Nagumo equations. *SIAM Journal on Mathematical Analysis*, 46(1): 657–690, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [CKS15] **Choulli:2015:SDT**
Mourad Choulli, Yavar Kian, and Eric Soccorsi. Stable determination of time-dependent scalar potential from boundary measurements in a periodic quantum waveguide. *SIAM Journal on Mathematical Analysis*, 47(6): 4536–4558, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

- Chayes:2013:AED**
- [CKY13] Lincoln Chayes, Inwon Kim, and Yao Yao. An aggregation equation with degenerate diffusion: Qualitative property of solutions. *SIAM Journal on Mathematical Analysis*, 45(5): 2995–3018, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Chen:2017:TDS**
- [CKZ17] Gui-Qiang G. Chen, Jie Kuang, and Yongqian Zhang. Two-dimensional steady supersonic exothermically reacting Euler flow past Lipschitz bending walls. *SIAM Journal on Mathematical Analysis*, 49(2):818–873, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Chen:2013:APF**
- [CL13a] Xiuqing Chen and Jian-Guo Liu. Analysis of polymeric flow models and related compactness theorems in weighted spaces. *SIAM Journal on Mathematical Analysis*, 45(3): 1179–1215, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Colli:2013:PFA**
- [CL13b] Pierluigi Colli and Philippe Laurençot. A phase-field approximation of the Willmore flow with volume and area constraints. *SIAM Journal on Mathematical Analysis*, 44(6): 3734–3754, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Cerrai:2017:APN**
- [CL17] Sandra Cerrai and Alessandra Lunardi. Averaging principle for nonautonomous slow-fast systems of stochastic reaction-diffusion equations: The almost periodic case. *SIAM Journal on Mathematical Analysis*, 49(4): 2843–2884, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Chambolle:2017:ROC**
- [CLLS17] Antonin Chambolle, Jimmy Lamboley, Antoine Lemenant, and Eugene Stepanov. Regularity for the optimal compliance problem with length penalization. *SIAM Journal on Mathematical Analysis*, 49(2): 1166–1224, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Camano:2017:ESE**
- [CLM17] Jessika Camaño, Christopher Lackner, and Peter Monk. Electromagnetic Stekloff eigenvalues in inverse scattering. *SIAM Journal on Mathematical Analysis*, 49(6): 4376–4401, 2017. CODEN SJMAAH. ISSN 0036-

- 1410 (print), 1095-7154 (electronic).
[CM12] **Chen:2012:MDK**
- [CLW12] Li Chen, Jian-Guo Liu, and Jinhuan Wang. Multidimensional degenerate Keller–Segel system with critical diffusion exponent $2n/(n + 2)$. *SIAM Journal on Mathematical Analysis*, 44(2):1077–1102, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [CM13] **Chen:2017:VCT**
- [CLW17] Shaowei Chen, Zhaoli Liu, and Zhi-Qiang Wang. A variant of Clark’s theorem and its applications for non-smooth functionals without the Palais–Smale condition. *SIAM Journal on Mathematical Analysis*, 49(1):446–470, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [CM14] **Chen:2014:DTD**
- [CM11] J. Calder and A. Mansouri. Anisotropic image sharpening via well-posed Sobolev gradient flows. *SIAM Journal on Mathematical Analysis*, 43(4):1536–1556, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v43/i4/p1536_s1. [CMM10] **Chupin:2012:RDT**
- Laurent Chupin and Sébastien Martin. Rigorous derivation of the thin film approximation with roughness-induced correctors. *SIAM Journal on Mathematical Analysis*, 44(4):3041–3070, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). **Ciomaga:2013:PEB**
- Adina Ciomaga and Jean-Michel Morel. A proof of equivalence between level lines shortening and curvature motion in image processing. *SIAM Journal on Mathematical Analysis*, 45(3):1047–1067, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). **Chen:2014:DTD**
- Qiang Chen and Peter Monk. Discretization of the time domain CFIE for acoustic scattering problems using convolution quadrature. *SIAM Journal on Mathematical Analysis*, 46(5):3107–3130, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). **Canizo:2010:RCS**
- José A. Cañizo, Stéphane Mischler, and Clément Mouhot. Rate of convergence to self-similarity for Smoluchowski’s

- coagulation equation with constant coefficients. *SIAM Journal on Mathematical Analysis*, 41(6):2283–2314, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [CMM13] **Cocquet:2013:EUS** [CN15] Pierre-Henri Cocquet, Pierre-Alain Mazet, and Vincent Mouysset. On the existence and uniqueness of a solution for some frequency-dependent partial differential equations coming from the modeling of metamaterials. *SIAM Journal on Mathematical Analysis*, 44(6):3806–3833, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [CMP13] **Chambolle:2013:NMC** [CNR17] Antonin Chambolle, Massimiliano Morini, and Marcello Ponsiglione. A nonlocal mean curvature flow and its semi-implicit time-discrete approximation. *SIAM Journal on Mathematical Analysis*, 44(6):4048–4077, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [CMWY16] **Cho:2016:PMF** [CNS10] Yong-Kum Cho, Yoshinori Morimoto, Shuaikun Wang, and Tong Yang. Probability measures with finite moments and the homogeneous Boltzmann equation. *SIAM Journal on Mathematical Analysis*, 48(4):2399–2413, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Coron:2015:DBC** [CNS10] Jean-Michel Coron and Hoai-Minh Nguyen. Dissipative boundary conditions for nonlinear 1-D hyperbolic systems: Sharp conditions through an approach via time-delay systems. *SIAM Journal on Mathematical Analysis*, 47(3):2220–2240, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Ciaurri:2017:TWM** [CNS10] Óscar Ciaurri, Adam Nowak, and Luz Roncal. Two-weight mixed norm estimates for a generalized spherical mean Radon transform acting on radial functions. *SIAM Journal on Mathematical Analysis*, 49(6):4402–4439, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Campbell:2010:STD** [CNS10] A. Campbell, S. A. Nazarov, and G. H. Sweers. Spectra of two-dimensional models for thin plates with sharp edges. *SIAM Journal on Mathematical Analysis*, 42(6):3020–3044, 2010. CODEN SJMAAH. ISSN 0036-

- 1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v42/i6/p3020_s1.
- [CNSS17] Gianluca Crippa, Camilla Nobili, Christian Seis, and Stefano Spirito. Eulerian and Lagrangian solutions to the continuity and Euler equations with L^1 vorticity. *SIAM Journal on Mathematical Analysis*, 49(5):3973–3998, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [CO12] Mathieu Colin and Masahito Ohta. Bifurcation from semitrivial standing waves and ground states for a system of nonlinear Schrödinger equations. *SIAM Journal on Mathematical Analysis*, 44(1):206–223, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v44/i1/p206_s1.
- [Com17] E. Compaan. Smoothing for the Zakharov and Klein–Gordon–Schrödinger systems on Euclidean spaces. *SIAM Journal on Mathematical Analysis*, 49(5):4206–4231, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Con12] Luisa Consiglieri. Thermal expansion on Stokes–Fourier systems. *SIAM Journal on Mathematical Analysis*, 44(3):1831–1860, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [COS16] Sergio Conti, Felix Otto, and Sylvia Serfaty. Branched microstructures in the Ginzburg–Landau model of type-I superconductors. *SIAM Journal on Mathematical Analysis*, 48(4):2994–3034, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [CP10] Rustum Choksi and Mark A. Peletier. Small volume fraction limit of the diblock copolymer problem: I. sharp-interface functional. *SIAM Journal on Mathematical Analysis*, 42(3):1334–1370, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [CP11] Rustum Choksi and Mark A. Peletier. Small volume-fraction limit of the diblock copolymer problem: II.

- Diffuse-interface functional. *SIAM Journal on Mathematical Analysis*, 43(2):739–763, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v43/i2/p739_s1. [CPSW16]
- Cances:2012:ERM**
- [CP12] Clément Cancès and Michel Pierre. An existence result for multidimensional immiscible two-phase flows with discontinuous capillary pressure field. *SIAM Journal on Mathematical Analysis*, 44(2):966–992, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [CPT10]
- Chen:2013:FOC**
- [CP13] Jun Chen and Xing-Bin Pan. Functionals with operator curl in an extended magnetostatic Born–Infeld model. *SIAM Journal on Mathematical Analysis*, 45(4):2253–2284, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [CPZ17]
- Contreras:2018:OSD**
- [CPP18] Andres Contreras, Dmitry E. Pelinovsky, and Michael Plum. Orbital stability of domain walls in coupled Gross–Pitaevskii systems. *SIAM Journal on Mathematical Analysis*, 50(1):810–833, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [Carrillo:2016:CPM]
- Carrillo:2016:CPM**
- J. A. Carrillo, F. S. Patacchini, P. Sternberg, and G. Wolansky. Convergence of a particle method for diffusive gradient flows in one dimension. *SIAM Journal on Mathematical Analysis*, 48(6):3708–3741, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Chugunova:2010:NSL**
- Marina Chugunova, M. C. Pugh, and R. M. Tarantets. Nonnegative solutions for a long-wave unstable thin film equation with convection. *SIAM Journal on Mathematical Analysis*, 42(4):1826–1853, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Chen:2017:SFC**
- Geng Chen, Ronghua Pan, and Shengguo Zhu. Singularity formation for the compressible Euler equations. *SIAM Journal on Mathematical Analysis*, 49(4):2591–2614, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

- [CQ12] **Chen:2012:TDR**
 Shuxing Chen and Aifang Qu. Two-dimensional Riemann problems for Chaplygin gas. *SIAM Journal on Mathematical Analysis*, 44(3): 2146–2178, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [CS10b]
- [CR10] **Chiron:2010:KKL**
 D. Chiron and F. Rousset. The KdV/KP-I limit of the nonlinear Schrödinger equation. *SIAM Journal on Mathematical Analysis*, 42(1): 64–96, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [CS14a]
- [CRWX16] **Cavaterra:2016:GSS**
 Cecilia Cavaterra, Elisabetta Rocca, Hao Wu, and Xiang Xu. Global strong solutions of the full Navier–Stokes and Q -tensor system for nematic liquid crystal flows in two dimensions. *SIAM Journal on Mathematical Analysis*, 48(2): 1368–1399, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [CS14b]
- [CS10a] **Chen:2010:FSW**
 Linan Chen and Daniel W. Stroock. The fundamental solution to the Wright–Fisher equation. *SIAM Journal on Mathematical Analysis*, 42(2): 539–567, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [CS14c]
- Cheng:2010:INS**
 C. H. Arthur Cheng and Steve Shkoller. The interaction of the 3D Navier–Stokes equations with a moving nonlinear Koiter elastic shell. *SIAM Journal on Mathematical Analysis*, 42(3): 1094–1155, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Cheskidov:2014:EET**
 A. Cheskidov and R. Shvydkoy. Euler equations and turbulence: Analytical approach to intermittency. *SIAM Journal on Mathematical Analysis*, 46(1):353–374, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Choffrut:2014:WSS**
 A. Choffrut and L. Székelyhidi, Jr. . Weak solutions to the stationary incompressible Euler equations. *SIAM Journal on Mathematical Analysis*, 46(6): 4060–4074, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Cullen:2014:MFA**
 Mike Cullen and Marc Sedjro. On a model of forced ax-

- isymmetric flows. *SIAM Journal on Mathematical Analysis*, 46(6):3983–4013, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [CS15a] **Carter:2015:FPO**
Paul Carter and Björn Sandstede. Fast pulses with oscillatory tails in the FitzHugh–Nagumo system. *SIAM Journal on Mathematical Analysis*, 47(5):3393–3441, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [CS15b] **Chen:2015:CEB**
Xuwen Chen and Walter A. Strauss. Convergence to equilibrium of a body moving in a kinetic sea. *SIAM Journal on Mathematical Analysis*, 47(6):4630–4651, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [CS17] **Chung:2017:ITA**
Francis J. Chung and John C. Schotland. Inverse transport and acousto-optic imaging. *SIAM Journal on Mathematical Analysis*, 49(6):4704–4721, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [CS18] **Cances:2018:VWI**
Eric Cances and L. Ridgway Scott. Van der Waals interactions between two hydrogen atoms: The Slater–Kirkwood method revisited. *SIAM Journal on Mathematical Analysis*, 50(1):381–410, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [CStW17] **Coifman:2017:CFH**
Ronald R. Coifman, Stefan Steinerberger, and Hui-Tieng Wu. Carrier frequencies, holomorphy, and unwinding. *SIAM Journal on Mathematical Analysis*, 49(6):4838–4864, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [CSW15] **Cavalletti:2015:SPG**
Fabio Cavalletti, Marc Sedjro, and Michael Westdickenberg. A simple proof of global existence for the 1D pressureless gas dynamics equations. *SIAM Journal on Mathematical Analysis*, 47(1):66–79, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [CT11] **Christoforou:2011:RCV**
Cleopatra Christoforou and Konstantina Trivisa. Rate of convergence for vanishing viscosity approximations to hyperbolic balance laws. *SIAM Journal on Mathematical Analysis*, 43(5):2307–2336, 2011. CO-

- DEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v43/i5/p2307_s1. [CTW13]
- [CT14] O. Costin and S. Tanveer. Analytical approximation of the Blasius similarity solution with rigorous error bounds. *SIAM Journal on Mathematical Analysis*, 46(6):3782–3813, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). **Costin:2014:AAB**
- [CT15] Mourad Choulli and Faouzi Triki. New stability estimates for the inverse medium problem with internal data. *SIAM Journal on Mathematical Analysis*, 47(3):1778–1799, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). **Choulli:2015:NSE**
- [CT16] Katy Craig and Ihsan Topaloglu. Convergence of regularized nonlocal interaction energies. *SIAM Journal on Mathematical Analysis*, 48(1):34–60, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). **Craig:2016:CRN**
- [CTW13] O. Costin, S. Tanveer, and M. I. Weinstein. The lifetime of shape oscillations of a bubble in an unbounded, inviscid, and compressible fluid with surface tension. *SIAM Journal on Mathematical Analysis*, 45(5):2924–2936, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). **Costin:2013:LSO**
- [CTW17] Xinfu Chen, Je-Chiang Tsai, and Yaping Wu. Longtime behavior of solutions of a SIS epidemiological model. *SIAM Journal on Mathematical Analysis*, 49(5):3925–3950, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). **Chen:2017:LBS**
- [Cui13] Shangbin Cui. Asymptotic stability of the stationary solution for a parabolic-hyperbolic free boundary problem modeling tumor growth. *SIAM Journal on Mathematical Analysis*, 45(5):2870–2893, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). **Cui:2013:ASS**
- [CV12] C. M. Cuesta and J. J. L. Velázquez. Analysis of oscillations in a drainage equation. *SIAM Journal on* **Cuesta:2012:AOD**

- Mathematical Analysis*, 44(3): 1588–1616, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [CW16]
- [CV15] Kyudong Choi and Alexis F. Vasseur. Short-time stability of scalar viscous shocks in the inviscid limit by the relative entropy method. *SIAM Journal on Mathematical Analysis*, 47(2):1405–1418, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [CWE10]
- [CV16] Raffaella Capitanelli and Maria Agostina Vivaldi. Dynamical quasi-filling fractal layers. *SIAM Journal on Mathematical Analysis*, 48(6): 3931–3961, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [CWH18]
- [CW13] Jean-Michel Coron and Zhiqiang Wang. Output feedback stabilization for a scalar conservation law with a nonlocal velocity. *SIAM Journal on Mathematical Analysis*, 45(5): 2646–2665, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [CWY14]
- [Chae:2016:PRN] Dongho Chae and Jörg Wolf. On partial regularity for the 3D nonstationary Hall magnetohydrodynamics equations on the plane. *SIAM Journal on Mathematical Analysis*, 48(1):443–469, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Chandler-Wilde:2010:VAW] Simon N. Chandler-Wilde and Johannes Elschner. Variational approach in weighted Sobolev spaces to scattering by unbounded rough surfaces. *SIAM Journal on Mathematical Analysis*, 42(6): 2554–2580, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Chandler-Wilde:2018:WPP] Simon N. Chandler-Wilde and David P. Hewett. Well-posed PDE and integral equation formulations for scattering by fractal screens. *SIAM Journal on Mathematical Analysis*, 50(1):677–717, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Cao:2014:IME] Chongsheng Cao, Jiahong Wu, and Baoquan Yuan. The 2D incompressible magnetohydrodynamics equations

- with only magnetic diffusion. *SIAM Journal on Mathematical Analysis*, 46(1): 588–602, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [Daf14]
- [CWYZ16] Haibo Cui, Wenjun Wang, Lei Yao, and Changjiang Zhu. Decay rates for a nonconservative compressible generic two-fluid model. *SIAM Journal on Mathematical Analysis*, 48(1):470–512, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [Dai10]
- [CY15] Shuxing Chen and Chao Yi. Global solutions for supersonic flow past a delta wing. *SIAM Journal on Mathematical Analysis*, 47(1):80–126, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [Dai17]
- [Daf13] Constantine M. Dafermos. Long time behavior of periodic solutions to scalar conservation laws in several space dimensions. *SIAM Journal on Mathematical Analysis*, 45(4): 2064–2070, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [Dan17]
- [Dafermos:2014:BSH] Constantine M. Dafermos. BV solutions of hyperbolic balance laws with relaxation in the absence of conserved quantities. *SIAM Journal on Mathematical Analysis*, 46(6): 4014–4034, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Dai:2010:SRC] Shibin Dai. On the shortening rate of collections of plane convex curves by the area-preserving mean curvature flow. *SIAM Journal on Mathematical Analysis*, 42(1): 323–333, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Dai:2017:RPN] Mimi Dai. Regularity problem for the nematic LCD system with Q -tensor in \mathbf{R}^3 . *SIAM Journal on Mathematical Analysis*, 49(6):5007–5030, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Danilov:2017:NNE] V. G. Danilov. Nonsmooth nonoscillating exponential-type asymptotics for linear parabolic PDE. *SIAM Journal on Mathematical Analysis*, 49(5):3550–3572, 2017.

- CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [DDM11]
- [dCPS16] Fernando P. da Costa, João T. Pinto, and Rafael Sasportes. Rates of convergence to scaling profiles in a submonolayer deposition model and the preservation of memory of the initial condition. *SIAM Journal on Mathematical Analysis*, 48(2):1109–1127, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [DD16] Raphaël Danchin and Bernard Ducomet. The low Mach number limit for a barotropic model of radiative flow. *SIAM Journal on Mathematical Analysis*, 48(2):1025–1053, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [DdMH15]
- [DD18] Anna Dall’Acqua and Klaus Deckelnick. An obstacle problem for elastic graphs. *SIAM Journal on Mathematical Analysis*, 50(1):119–137, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [Des14]
- DalMaso:2011:EUR**
Gianni Dal Maso, Antonio DeSimone, and Marco Morandotti. An existence and uniqueness result for the motion of self-propelled microswimmers. *SIAM Journal on Mathematical Analysis*, 43(3):1345–1368, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v43/i3/p1345_s1.
- Debussche:2015:RRQ**
Arnaud Debussche, Sylvain de Moor, and Martina Hofmanová. A regularity result for quasilinear stochastic partial differential equations of parabolic type. *SIAM Journal on Mathematical Analysis*, 47(2):1590–1614, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- DeRosa:2018:MAE**
Antonio De Rosa. Minimization of anisotropic energies in classes of rectifiable varifolds. *SIAM Journal on Mathematical Analysis*, 50(1):162–181, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Despres:2014:SVP**
Bruno Després. Symmetrization of Vlasov–Poisson equa-

- tions. *SIAM Journal on Mathematical Analysis*, 46(4): 2554–2580, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [DF13]
- Deuring:2013:SDT**
- [Deu13] Paul Deuring. Spatial decay of time-dependent incompressible Navier–Stokes flows with nonzero velocity at infinity. *SIAM Journal on Mathematical Analysis*, 45(3):1388–1421, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [DF15]
- Desvillettes:2010:LTA**
- [DF10] Laurent Desvillettes and Klemens Fellner. Large time asymptotics for a continuous coagulation-fragmentation model with degenerate size-dependent diffusion. *SIAM Journal on Mathematical Analysis*, 41(6): 2315–2334, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [DFHM14]
- Dias:2011:SWL**
- [DF11] João Paulo Dias and Hermano Frid. Short wave-long wave interactions for compressible Navier–Stokes equations. *SIAM Journal on Mathematical Analysis*, 43(2): 764–787, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v43/i2/p764_s1. [DFP14a]
- DePhilippis:2013:SRM**
- Guido De Philippis and Alessio Figalli. Sobolev regularity for Monge–Ampère type equations. *SIAM Journal on Mathematical Analysis*, 45(3): 1812–1824, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Davoli:2015:CRF**
- Elisa Davoli and Gilles A. Francfort. A critical revisiting of finite elasto-plasticity. *SIAM Journal on Mathematical Analysis*, 47(1):526–565, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Francesco:2014:ABG**
- Marco Di Francesco, Massimo Fornasier, Jan-Christian Hütter, and Daniel Matthes. Asymptotic behavior of gradient flows driven by nonlocal power repulsion and attraction potentials in one dimension. *SIAM Journal on Mathematical Analysis*, 46(6): 3814–3837, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Davini:2014:LMCa**
- C. Davini, L. Freddi, and R. Paroni. Linear mod-

- els for composite thin-walled beams by Γ -convergence. Part I: Open cross sections. *SIAM Journal on Mathematical Analysis*, 46(5):3296–3331, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [DFP14b] **Davini:2014:LMCb** [DG16] C. Davini, L. Freddi, and R. Paroni. Linear models for composite thin-walled beams by Γ -convergence. Part II: Closed cross-sections. *SIAM Journal on Mathematical Analysis*, 46(5):3332–3360, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [DFT17] **Desvillettes:2017:TER** [DGV16] Laurent Desvillettes, Klemens Fellner, and Bao Quoc Tang. Trend to equilibrium for reaction-diffusion systems arising from complex balanced chemical reaction networks. *SIAM Journal on Mathematical Analysis*, 49(4):2666–2709, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [DG11] **Debussche:2011:SCH** [DGVBW10] Arnaud Debussche and Ludovic Goudenège. Stochastic Cahn–Hilliard equation with double singular nonlinearities and two reflections. *SIAM Journal on Mathematical Analysis*, 43(3):1473–1494, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v43/i3/p1473_s1.
- Donato:2016:EHS** Patrizia Donato and Daniela Giachetti. Existence and homogenization for a singular problem through rough surfaces. *SIAM Journal on Mathematical Analysis*, 48(6):4047–4086, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- DeBievre:2016:PIV** Stephan De Bièvre, Thierry Goudon, and Arthur Vasseur. Particles interacting with a vibrating medium: Existence of solutions and convergence to the Vlasov–Poisson system. *SIAM Journal on Mathematical Analysis*, 48(6):3984–4020, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Dyson:2010:EAP** Janet Dyson, Stephen A. Gourley, Rosanna Vilella-Bressan, and Glenn F. Webb. Existence and asymptotic properties of solutions of a nonlocal evolution equation modeling cell–cell adhesion.

- SIAM Journal on Mathematical Analysis*, 42(4):1784–1804, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [DH10] **Du:2010:NRD**
Yihong Du and Sze-Bi Hsu. On a nonlocal reaction–diffusion problem arising from the modeling of phytoplankton growth. *SIAM Journal on Mathematical Analysis*, 42(3):1305–1333, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [dHGR14] **deHoop:2014:EAE** [DIT15]
Maarten V. de Hoop, Karlheinz Gröchenig, and José Luis Romero. Exact and approximate expansions with pure Gaussian wave packets. *SIAM Journal on Mathematical Analysis*, 46(3):2229–2253, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [dHHI⁺14] **deHoop:2014:RCE** [DJMZ16]
Maarten V. de Hoop, Sean F. Holman, Einar Iversen, Matti Lassas, and Bjørn Ursin. Reconstruction of a conformally Euclidean metric from local boundary diffraction travel times. *SIAM Journal on Mathematical Analysis*, 46(6):3705–3726, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Doelman:2014:MPS**
Arjen Doelman, Gurgen Hayrapetyan, Keith Promislow, and Brian Wetton. Meander and pearling of single-curvature bilayer interfaces in the functionalized Cahn–Hilliard equation. *SIAM Journal on Mathematical Analysis*, 46(6):3640–3677, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Duchene:2015:NFJ**
Vincent Duchêne, Samer Israwi, and Raafat Talhouk. A new fully justified asymptotic model for the propagation of internal waves in the Camassa–Holm regime. *SIAM Journal on Mathematical Analysis*, 47(1):240–290, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Daus:2016:HLM**
Esther S. Daus, Ansgar Jüngel, Clément Mouhot, and Nicola Zamponi. Hypocoercivity for a linearized multispecies Boltzmann system. *SIAM Journal on Mathematical Analysis*, 48(1):538–568, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

- [DK11] **Dong:2011:PES** Hongjie Dong and Doyoon Kim. Parabolic and elliptic systems in divergence form with variably partially BMO coefficients. *SIAM Journal on Mathematical Analysis*, 43(3): 1075–1098, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v43/i3/p1075_s1.
- [DK14] **Dong:2014:PES** Hongjie Dong and Doyoon Kim. Parabolic equations in simple convex polytopes with time irregular coefficients. *SIAM Journal on Mathematical Analysis*, 46(3): 1789–1819, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [DKN11] **Deuring:2011:PDL** Paul Deuring, Stanislav Kracmar, and Sárka Nečasová. On pointwise decay of linearized stationary incompressible viscous flow around rotating and translating bodies. *SIAM Journal on Mathematical Analysis*, 43(2):705–738, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v43/i2/p705_s1.
- [DKR15] **Disser:2015:OSR** Karoline Disser, Hans-Christoph Kaiser, and Joachim Rehberg. Optimal Sobolev regularity for linear second-order divergence elliptic operators occurring in real-world problems. *SIAM Journal on Mathematical Analysis*, 47(3): 1719–1746, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [DKR16] **Detmann:2016:SUP** Bettina Detmann, Pavel Krejčí, and Elisabetta Rocca. Solvability of an unsaturated porous media flow problem with thermomechanical interaction. *SIAM Journal on Mathematical Analysis*, 48(6): 4175–4201, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [DKS16] **Dull:2016:VWA** Wolf-Patrick Düll, Kourosh Saneii Kashani, and Guido Schneider. The validity of Whitham’s approximation for a Klein–Gordon–Boussinesq model. *SIAM Journal on Mathematical Analysis*, 48(6):4311–4334, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [DL10] **Du:2010:SVD** Yihong Du and Zhigui Lin. Spreading-vanishing dichotomy

- in the diffusive logistic model with a free boundary. *SIAM Journal on Mathematical Analysis*, 42(1):377–405, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). See erratum [DL13].
- [DL13] Yihong Du and Zhigui Lin. Erratum: Spreading-Vanishing Dichotomy in the Diffusive Logistic Model with a Free Boundary. *SIAM Journal on Mathematical Analysis*, 45(3):1995–1996, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). See [DL10].
- [dL14] André de Laire. Minimal energy for the traveling waves of the Landau–Lifshitz equation. *SIAM Journal on Mathematical Analysis*, 46(1):96–132, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [DL15a] Weiwei Ding and Xing Liang. Principal eigenvalues of generalized convolution operators on the circle and spreading speeds of noncompact evolution systems in periodic media. *SIAM Journal on Mathematical Analysis*, 47(1):855–896, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [DL15b] Renjun Duan and Shuangqian Liu. Stability of the rarefaction wave of the Vlasov–Poisson–Boltzmann system. *SIAM Journal on Mathematical Analysis*, 47(5):3585–3647, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [dlHBMV16] Francisco de la Hoz, Taoufik Hmidi, Joan Mateu, and Joan Verdera. Doubly connected V -states for the planar Euler equations. *SIAM Journal on Mathematical Analysis*, 48(3):1892–1928, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [dlLSZ17] Rafael de la Llave, Xifeng Su, and Lei Zhang. Resonant equilibrium configurations in quasi-periodic media: KAM theory. *SIAM Journal on Mathematical Analysis*, 49(1):597–625, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [DLM14] L. Desvillettes, Th. Lepoutre, and A. Moussa. Entropy, duality, and cross dif-

Duan:2015:SRW

Du:2013:ESV

delaHoz:2016:DCS

deLaire:2014:MET

delaLlave:2017:REC

Ding:2015:PEG

Desvillettes:2014:EDC

- fusion. *SIAM Journal on Mathematical Analysis*, 46(1): 820–853, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [DLSV12] L. Diening, D. Lengeler, B. Stroffolini, and A. Verde. Partial regularity for minimizers of quasi-convex functionals with general growth. *SIAM Journal on Mathematical Analysis*, 44(5):3594–3616, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [DLV10] Virginia De Cicco, Chiara Leone, and Anna Verde. Lower semicontinuity in SBV for integrals with variable growth. *SIAM Journal on Mathematical Analysis*, 42(6): 3112–3128, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v42/i6/p3112_s1.
- [DLVW13] M. Di Cristo, C.-L. Lin, S. Vessella, and J.-N. Wang. Size estimates of the inverse inclusion problem for the shallow shell equation. *SIAM Journal on Mathematical Analysis*, 45(1):88–100, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [DLZ12a] Ben Duan, Zhen Luo, and Yuxi Zheng. Local existence of classical solutions to shallow water equations with Cauchy data containing vacuum. *SIAM Journal on Mathematical Analysis*, 44(2): 541–567, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v44/i2/p541_s1.
- [DLZ12b] Renjun Duan, Qingqing Liu, and Changjiang Zhu. The Cauchy problem on the compressible two-fluids Euler–Maxwell equations. *SIAM Journal on Mathematical Analysis*, 44(1):102–133, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v44/i1/p102_s1.
- [DLZ15] Yihong Du, Bendong Lou, and Maolin Zhou. Nonlinear diffusion problems with free boundaries: Convergence, transition speed, and zero number arguments. *SIAM Journal on Mathematical Analysis*, 47(5):3555–

Diening:2012:PRM

Duan:2012:LEC

DeCicco:2010:LSS

Duan:2012:CPC

DiCristo:2013:SEI

Du:2015:NDP

- 3584, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [DM14] **Ducrot:2014:ABN**
 Arnaud Ducrot and Pierre Magal. Asymptotic behavior of a nonlocal diffusive logistic equation. *SIAM Journal on Mathematical Analysis*, 46(3):1731–1753, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [DM15] **Donatelli:2015:QNL**
 Donatella Donatelli and Pierangelo Marcati. Quasi-neutral limit, dispersion, and oscillations for Korteweg-type fluids. *SIAM Journal on Mathematical Analysis*, 47(3):2265–2282, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [dMIS10] **deMonvel:2010:PTA**
 Anne Boutet de Monvel, Alexander Its, and Dmitry Shepelsky. Painlevé-type asymptotics for the Camassa–Holm equation. *SIAM Journal on Mathematical Analysis*, 42(4):1854–1873, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [DMZ14] **Du:2014:SES**
 Yihong Du, Hiroshi Matsuzawa, and Maolin Zhou. Sharp estimate of the spreading speed determined by nonlinear free boundary problems. *SIAM Journal on Mathematical Analysis*, 46(1):375–396, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [DN12] **Decker:2012:PFW**
 R. Decker and V. W. Noonburg. A periodically forced Wilson–Cowan system with multiple attractors. *SIAM Journal on Mathematical Analysis*, 44(2):887–905, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [DNK12] **Dharmawardane:2012:DES**
 Priyanjana M. N. Dharmawardane, Tohru Nakamura, and Shuichi Kawashima. Decay estimates of solutions for quasi-linear hyperbolic systems of viscoelasticity. *SIAM Journal on Mathematical Analysis*, 44(3):1976–2001, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [DNS12] **Dolbeault:2012:PLS**
 Jean Dolbeault, Bruno Nazaret, and Giuseppe Savaré. From Poincaré to logarithmic Sobolev inequalities: a gradient flow approach. *SIAM Journal on Mathematical Analysis*, 44(5):3186–3216, 2012. CO-

- DEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [DP14]
- [DO16] Hideo Deguchi and Michael Oberguggenberger. Propagation of singularities for generalized solutions to wave equations with discontinuous coefficients. *SIAM Journal on Mathematical Analysis*, 48(1):397–442, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [DP15]
- [Don11] Hongjie Dong. On similarity solutions to the multidimensional aggregation equation. *SIAM Journal on Mathematical Analysis*, 43(4):1995–2008, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v43/i4/p1995_s1. [DR13]
- [DP13] Lucio Damascelli and Filomena Pacella. Symmetry results for cooperative elliptic systems via linearization. *SIAM Journal on Mathematical Analysis*, 45(3):1003–1026, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [dRDR16]
- Dumas:2014:JLK**
Eric Dumas and Dmitry Pelinovsky. Justification of the log-KdV equation in granular chains: The case of precompression. *SIAM Journal on Mathematical Analysis*, 46(6):4075–4103, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Dai:2015:CGE**
Shibin Dai and Keith Promislow. Competitive geometric evolution of amphiphilic interfaces. *SIAM Journal on Mathematical Analysis*, 47(1):347–380, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Ding:2013:ECS**
Yanheng Ding and Bernhard Ruf. Existence and concentration of semiclassical solutions for Dirac equations with critical nonlinearities. *SIAM Journal on Mathematical Analysis*, 44(6):3755–3785, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- deRijk:2016:SSS**
Björn de Rijk, Arjen Doelman, and Jens Rademacher. Spectra and stability of spatially periodic pulse patterns: Evans function factorization via Riccati transformation. *SIAM Journal on*

- Mathematical Analysis*, 48(1): 61–121, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [DS14]
- Dauge:2010:STP**
- [DS10a] Monique Dauge and Rob Stevenson. Sparse tensor product wavelet approximation of singular functions. *SIAM Journal on Mathematical Analysis*, 42(5):2203–2228, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [DSV15]
- Deng:2010:ETT**
- [DS10b] Shengfu Deng and Shu-Ming Sun. Exact theory of three-dimensional water waves at the critical speed. *SIAM Journal on Mathematical Analysis*, 42(6):2721–2761, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [DSX17]
- DiRusso:2013:EAB**
- [DS13] Cristiana Di Russo and Alice Sepe. Existence and asymptotic behavior of solutions to a quasi-linear hyperbolic-parabolic model of vasculogenesis. *SIAM Journal on Mathematical Analysis*, 45(2): 748–776, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [DT14]
- Dai:2014:ABS**
- Mimi Dai and Maria Schonbek. Asymptotic behavior of solutions to the liquid crystal system in $H^m(\mathbf{R}^3)$. *SIAM Journal on Mathematical Analysis*, 46(5):3131–3150, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Dipierro:2015:NFB**
- Serena Dipierro, Ovidiu Savin, and Enrico Valdinoci. A nonlocal free boundary problem. *SIAM Journal on Mathematical Analysis*, 47(6): 4559–4605, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Dong:2017:IRG**
- Bin Dong, Zuowei Shen, and Peichu Xie. Image restoration: a general wavelet frame based model and its asymptotic analysis. *SIAM Journal on Mathematical Analysis*, 49(1):421–445, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Droniou:2014:MDM**
- Jérôme Droniou and Kyle S. Talbot. On a miscible displacement model in porous media flow with measure data. *SIAM Journal on Mathematical Analysis*, 46(5):3158–

- 3175, ????. 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [Due16]
- Plinio:2015:GST**
- [DT15] Francesco Di Plinio and Roger Temam. Grisvard’s shift theorem near L^∞ and Yudovich theory on polygonal domains. *SIAM Journal on Mathematical Analysis*, 47(1): 159–178, ????. 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [DV10]
- Duan:2011:DPV**
- [Dua11] Renjun Duan. Dissipative property of the Vlasov–Maxwell–Boltzmann system with a uniform ionic background. *SIAM Journal on Mathematical Analysis*, 43(6): 2732–2757, ????. 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v43/i6/p2732_s1. [DVW15]
- Duchene:2010:ASW**
- [Duc10] Vincent Duchêne. Asymptotic shallow water models for internal waves in a two-fluid system with a free surface. *SIAM Journal on Mathematical Analysis*, 42(5): 2229–2260, ????. 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Duerinckx:2016:MFL**
- Mitia Duerinckx. Mean-field limits for some Riesz interaction gradient flows. *SIAM Journal on Mathematical Analysis*, 48(3):2269–2300, ????. 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- DiCristo:2010:SDD**
- Michele Di Cristo and Sergio Vessella. Stable determination of the discontinuous conductivity coefficient of a parabolic equation. *SIAM Journal on Mathematical Analysis*, 42(1): 183–217, ????. 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Duchene:2015:OLP**
- V. Duchêne, I. Vukićević, and M. I. Weinstein. Oscillatory and localized perturbations of periodic structures and the bifurcation of defect modes. *SIAM Journal on Mathematical Analysis*, 47(5): 3832–3883, ????. 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Du:2013:STR**
- Yi Du and Keyan Wang. Space-time regularity of the Koch and Tataru solutions to the liquid crystal equations. *SIAM Journal on*

- Mathematical Analysis*, 45(6): 3838–3853, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [DY10]
- Deng:2012:VCL**
- [DWY12] Shijin Deng, Weike Wang, and Shih-Hsien Yu. Viscous conservation laws with boundary. *SIAM Journal on Mathematical Analysis*, 44(4):2695–2755, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [DZ14]
- Ding:2012:GSS**
- [DWYZ12] Shijin Ding, Huanyao Wen, Lei Yao, and Changjiang Zhu. Global spherically symmetric classical solution to compressible Navier–Stokes equations with large initial data and vacuum. *SIAM Journal on Mathematical Analysis*, 44(2): 1257–1278, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [DZ15]
- Du:2010:VSH**
- [DWZ10] Qiang Du, Juncheng Wei, and Chunyi Zhao. Vortex solutions of the high- κ high-field Ginzburg–Landau model with an applied current. *SIAM Journal on Mathematical Analysis*, 42(6): 2368–2401, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [EEW11]
- Duan:2010:SOS**
- Renjun Duan and Tong Yang. Stability of the one-species Vlasov–Poisson–Boltzmann system. *SIAM Journal on Mathematical Analysis*, 41(6): 2353–2387, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Davini:2014:ASW**
- Andrea Davini and Maxime Zavidovique. Aubry sets for weakly coupled systems of Hamilton–Jacobi equations. *SIAM Journal on Mathematical Analysis*, 46(5):3361–3389, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Du:2015:GWP**
- Lili Du and Deqin Zhou. Global well-posedness of two-dimensional magnetohydrodynamic flows with partial dissipation and magnetic diffusion. *SIAM Journal on Mathematical Analysis*, 47(2): 1562–1589, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Ehrnstrom:2011:SWW**
- Mats Ehrnström, Joachim Escher, and Erik Wahlén. Steady water waves with multiple critical layers. *SIAM Journal on Mathematical*

- Analysis*, 43(3):1436–1456, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v43/i3/p1436_s1. [EHM16]
- Elliott:2015:TPS**
- [EF15] Charles M. Elliott and Hans Fritz. Time-periodic solutions of advection-diffusion equations on moving hypersurfaces. *SIAM Journal on Mathematical Analysis*, 47(3):1693–1718, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [EI11]
- Elschner:2013:ESU**
- [EH13] Johannes Elschner and Guanghui Hu. Elastic scattering by unbounded rough surfaces. *SIAM Journal on Mathematical Analysis*, 44(6):4101–4127, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [EJ14]
- Soufi:2016:POO**
- [EH16] Ahmad El Soufi and Evans M. Harrell II. On the placement of an obstacle so as to optimize the Dirichlet heat trace. *SIAM Journal on Mathematical Analysis*, 48(2):884–894, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [EL17]
- Evers:2016:MVM**
- Joep H. M. Evers, Sander C. Hille, and Adrian Muntean. Measure-valued mass evolution problems with flux boundary conditions and solution-dependent velocities. *SIAM Journal on Mathematical Analysis*, 48(3):1929–1953, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Eremenko:2011:SGP**
- Alexandre Eremenko and Sergei Ivanov. Spectra of the Gurtin–Pipkin type equations. *SIAM Journal on Mathematical Analysis*, 43(5):2296–2306, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v43/i5/p2296_s1.
- Endal:2014:CBN**
- J. Endal and E. R. Jakobsen. L^1 contraction for bounded (nonintegrable) solutions of degenerate parabolic equations. *SIAM Journal on Mathematical Analysis*, 46(6):3957–3982, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Esfahani:2017:SSW**
- Amin Esfahani and Steve Levandosky. Stability of soli-

- tary waves of the Kadomtsev–Petviashvili equation with a weak rotation. *SIAM Journal on Mathematical Analysis*, 49(6):5096–5133, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [EP12]
- Eller:2012:SHB**
- [Ell12] Matthias Eller. On symmetric hyperbolic boundary problems with nonhomogeneous conservative boundary conditions. *SIAM Journal on Mathematical Analysis*, 44(3):1925–1949, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [ER12]
- Epstein:2010:WFD**
- [EM10] Charles L. Epstein and Rafe Mazzeo. Wright–Fisher diffusion in one dimension. *SIAM Journal on Mathematical Analysis*, 42(2):568–608, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [ERV17]
- Escauriaza:2017:ASP**
- [EMZ17] Luis Escauriaza, Santiago Montaner, and Can Zhang. Analyticity of solutions to parabolic evolutions and applications. *SIAM Journal on Mathematical Analysis*, 49(5):4064–4092, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [ES10]
- Elbert:2012:AAO**
- Alexander Elbert and Grigory Panasenko. Asymptotic analysis of the one-dimensional diffusion-absorption equation with rapidly and strongly oscillating absorption coefficient. *SIAM Journal on Mathematical Analysis*, 44(3):2099–2119, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Elling:2012:SSS**
- Volker Elling and Joseph Roberts. Steady and self-similar inviscid flow. *SIAM Journal on Mathematical Analysis*, 44(4):2344–2371, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Elliott:2017:CBS**
- Charles M. Elliott, Thomas Ranner, and Chandrasekhar Venkataraman. Coupled bulk-surface free boundary problems arising from a mathematical model of receptor-ligand dynamics. *SIAM Journal on Mathematical Analysis*, 49(1):360–397, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Egger:2010:ARP**
- Herbert Egger and Matthias Schlottbom. Analysis and

- regularization of problems in diffuse optical tomography. *SIAM Journal on Mathematical Analysis*, 42(5):1934–1948, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [ETZ13]
- [Ess16] Elias Esselborn. Relaxation rates for a perturbation of a stationary solution to the thin-film equation. *SIAM Journal on Mathematical Analysis*, 48(1):349–396, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [ESvR12] Abdelhadi Es-Sarhir and Max-K. von Renesse. Ergodicity of stochastic curve shortening flow in the plane. *SIAM Journal on Mathematical Analysis*, 44(1):224–244, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v44/i1/p224_s1.
- [ET16] Lawrence C. Evans and Peyam R. Tabrizian. Asymptotics for scaled Kramers–Smoluchowski equations. *SIAM Journal on Mathematical Analysis*, 48(4):2944–2961, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [ETZ13]
- [Evj11] Steinar Evje. Weak solutions for a gas-liquid model relevant for describing gas-kick in oil wells. *SIAM Journal on Mathematical Analysis*, 43(4):1887–1922, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v43/i4/p1887_s1.
- [Evj13a] Steinar Evje. A compressible two-phase model with pressure-dependent well-reservoir interaction. *SIAM Journal on Mathematical Analysis*, 45(2):518–546, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Evj13b] Steinar Evje. Genuine two-phase flow dynamics with
- Erdogan:2013:HFP**
- M. B. Erdogan, N. Tzirakis, and V. Zharnitsky. High frequency perturbation of cnoidal waves in KdV. *SIAM Journal on Mathematical Analysis*, 44(6):4147–4164, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Evje:2011:WSG**
- Evje:2013:CTP**
- Evje:2013:GTP**
- Esselborn:2016:RRP**
- Es-Sarhir:2012:ESC**
- Evans:2016:ASK**

- a free interface separating gas-liquid mixture from gas. *SIAM Journal on Mathematical Analysis*, 45(5):2894–2923, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [Fai14]
- [EW15a] Tarek M. Elgindi and Klaus Widmayer. Sharp decay estimates for an anisotropic linear semigroup and applications to the surface quasi-geostrophic and inviscid Boussinesq systems. *SIAM Journal on Mathematical Analysis*, 47(6):4672–4684, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [Elgindi:2015:SDE]
- [EW15b] Steinar Evje and Huanyao Wen. Global solutions of a viscous gas-liquid model with unequal fluid velocities in a closed conduit. *SIAM Journal on Mathematical Analysis*, 47(1):381–406, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [Evje:2015:GSV]
- [EW18] Steinar Evje and Huanyao Wen. A Stokes two-fluid model for cell migration that can account for physical cues in the microenvironment. *SIAM Journal on Mathematical Analysis*, 50(1):86–118, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [Fai14]
- [Faj16] David Fajman. Local well-posedness for the Einstein–Vlasov system. *SIAM Journal on Mathematical Analysis*, 48(5):3270–3321, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [Fajman:2016:LWP]
- [Feh13] Benjamin J. Fehrman. Stochastic homogenization of monotone systems of viscous Hamilton–Jacobi equations with convex nonlinearities. *SIAM Journal on Mathematical Analysis*, 45(4):2441–2476, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [Fehrman:2013:SHM]
- [FF12] Rita Ferreira and Irene Fonseca. Reiterated homogenization in BV via multiscale convergence. *SIAM Journal on*
- [Ferreira:2012:RHM]

- Mathematical Analysis*, 44(3): 2053–2098, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [FGJ11]
- Foldes:2017:AAR**
- [FFGHR17] Juraj Földes, Susan Friedlander, Nathan Glatt-Holtz, and Geordie Richards. Asymptotic analysis for randomly forced MHD. *SIAM Journal on Mathematical Analysis*, 49(6):4440–4469, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [FGN12]
- Fischer:2015:FSP**
- [FG15] Julian Fischer and Günther Grün. Finite speed of propagation and waiting times for the stochastic porous medium equation: a unifying approach. *SIAM Journal on Mathematical Analysis*, 47(1): 825–854, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [FGN13]
- Fischer:2018:EPS**
- [FG18] Julian Fischer and Günther Grün. Existence of positive solutions to stochastic thin-film equations. *SIAM Journal on Mathematical Analysis*, 50(1):411–455, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [FGR15]
- Fontelos:2011:PFM**
- M. A. Fontelos, G. Grün, and S. Jörres. On a phase-field model for electrowetting and other electrokinetic phenomena. *SIAM Journal on Mathematical Analysis*, 43(1): 527–563, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v43/i1/p527_s1.
- Feireisl:2012:SLC**
- Eduard Feireisl, Isabelle Gallagher, and Antonín Novotný. A singular limit for compressible rotating fluids. *SIAM Journal on Mathematical Analysis*, 44(1):192–205, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v44/i1/p192_s1.
- Felea:2013:MAS**
- Raluca Felea, Romina Gaburro, and Clifford J. Nolan. Microlocal analysis of SAR imaging of a dynamic reflectivity function. *SIAM Journal on Mathematical Analysis*, 45(5): 2767–2789, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Figalli:2015:CID**
- Alessio Figalli, Thomas O. Gallouët, and Ludovic Rif-

- ford. On the convexity of injectivity domains on nonfocal manifolds. *SIAM Journal on Mathematical Analysis*, 47(2):969–1000, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [FGW13] Chun Fang, Mats Gyllenberg, and Yi Wang. Floquet bundles for tridiagonal competitive-cooperative systems and the dynamics of time-recurrent systems. *SIAM Journal on Mathematical Analysis*, 45(4):2477–2498, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [FHK11] Hermano Frid, Helge Holden, and Kenneth H. Karlsen. L^∞ solutions for a model of nonisothermal polytropic gas flow. *SIAM Journal on Mathematical Analysis*, 43(5):2253–2274, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v43/i5/p2253_s1.
- [FHK13] Avner Friedman, Bei Hu, and James P. Keener. The diffusion approximation for linear nonautonomous reaction-hyperbolic equations. *SIAM Journal on Mathematical Analysis*, 45(4):2285–2298, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [FHMP16] Lorenzo Freddi, Peter Hornung, Maria Giovanna Mora, and Roberto Paroni. A variational model for anisotropic and naturally twisted ribbons. *SIAM Journal on Mathematical Analysis*, 48(6):3883–3906, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [FHO16] Marco A. Fontelos, Hyung Ju Hwang, and Youngmin Oh. Stability, instability, and bifurcation in electrified thin films. *SIAM Journal on Mathematical Analysis*, 48(4):2730–2782, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [FHX10] Avner Friedman, Bei Hu, and Chuan Xue. Analysis of a mathematical model of ischemic cutaneous wounds. *SIAM Journal on Mathematical Analysis*, 42(5):2013–2040, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

- [FI14] **Focardi:2014:AAA**
M. Focardi and F. Iurlano. Asymptotic analysis of Ambrosio–Tortorelli energies in linearized elasticity. *SIAM Journal on Mathematical Analysis*, 46(4):2936–2955, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Fis13] **Fischer:2013:ADS**
Julian Fischer. Advection-driven support shrinking in a chemotaxis model with degenerate mobility. *SIAM Journal on Mathematical Analysis*, 45(3):1585–1615, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [FK13] **Frank:2013:HKM**
Rupert L. Frank and Hynek Kovarik. Heat kernels of metric trees and applications. *SIAM Journal on Mathematical Analysis*, 45(3):1027–1046, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [FKM⁺16] **Fernandez:2016:EUR**
J. R. Fernández, P. Kalita, S. Migórski, M. C. Muñoz, and C. Núñez. Existence and uniqueness results for a kinetic model in bulk-surface surfactant dynamics. *SIAM Journal on Mathematical Analysis*, 48(5):3065–3089, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [FKN⁺14] **Feireisl:2014:ILF**
Eduard Feireisl, Ondrej Kreml, Sárka Necasová, Jirí Neustupa, and Jan Stebel. Incompressible limits of fluids excited by moving boundaries. *SIAM Journal on Mathematical Analysis*, 46(2):1456–1471, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [FKV15] **Feireisl:2015:SIR**
E. Feireisl, O. Kreml, and A. Vasseur. Stability of the isentropic Riemann solutions of the full multidimensional Euler system. *SIAM Journal on Mathematical Analysis*, 47(3):2416–2425, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [FL12a] **Fan:2012:SWP**
Haitao Fan and Xiao-Biao Lin. Standing waves for phase transitions in a spherically symmetric nozzle. *SIAM Journal on Mathematical Analysis*, 44(1):405–436, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v44/i1/p405_s1.

- [FL12b] **Frouvelle:2012:DKM**
Amic Frouvelle and Jian-Guo Liu. Dynamics in a kinetic model of oriented particles with phase transition. *SIAM Journal on Mathematical Analysis*, 44(2):791–826, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [FL15] **Frank:2015:CLA**
Rupert L. Frank and Elliott H. Lieb. A compactness lemma and its application to the existence of minimizers for the liquid drop model. *SIAM Journal on Mathematical Analysis*, 47(6):4436–4450, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [FL17] **Fonseca:2017:WAT**
Irene Fonseca and Pan Liu. The weighted Ambrosio–Tortorelli approximation scheme. *SIAM Journal on Mathematical Analysis*, 49(6):4491–4520, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [FPTT12] **Furioli:2012:GCL**
G. Furioli, A. Pulvirenti, E. Terraneo, and G. Toscani. The grazing collision limit of the inelastic Kac model around a Lévy-type equilibrium. *SIAM Journal on Mathematical Analysis*, 44(2):827–850, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [FPVR13] **Ferreira:2013:NNS**
Lucas C. F. Ferreira, Gabriela Planas, and Elder J. Villamizar-Roa. On the nonhomogeneous Navier–Stokes system with Navier friction boundary conditions. *SIAM Journal on Mathematical Analysis*, 45(4):2576–2595, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [FPZ14] **Frid:2014:GSS**
Hermano Frid, Ronghua Pan, and Weizhe Zhang. Global smooth solutions in \mathbf{R}^3 to short wave-long wave interactions systems for viscous compressible fluids. *SIAM Journal on Mathematical Analysis*, 46(3):1946–1968, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [FQ11] **Felea:2011:MPL**
Raluca Felea and Eric Todd Quinto. The microlocal properties of the local 3-D SPECT operator. *SIAM Journal on Mathematical Analysis*, 43(3):1145–1157, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL <http://epubs.>

- siam.org/sima/resource/1/sjmaah/v43/i3/p1145_s1.
- [FQ16] Jürgen Friel and Eric Todd Quinto. Limited data problems for the generalized Radon transform in \mathbf{R}^n . *SIAM Journal on Mathematical Analysis*, 48(4):2301–2318, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [FQ16] **Friel:2016:LDP**
- [FS10] Patricio Felmer, Alexander Quaas, and Boyan Sirakov. Resonance phenomena for second-order stochastic control equations. *SIAM Journal on Mathematical Analysis*, 42(3):997–1024, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [FS10] **Felmer:2010:RPS**
- [FR17] Julian Fischer and Claudia Raithel. Liouville principles and a large-scale regularity theory for random elliptic operators on the half-space. *SIAM Journal on Mathematical Analysis*, 49(1):82–114, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [FR17] **Fischer:2017:LPL**
- [FS14] Shmuel Fishman and Avy Soffer. Multiscale time averaging, reloaded. *SIAM Journal on Mathematical Analysis*, 46(2):1385–1405, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [FS15] Jens Frehse and Sebastian Schwarzacher. On regularity of the time derivative for degenerate parabolic systems. *SIAM Journal on Mathematical Analysis*, 47(5):3917–3943, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [FS15] **Frehse:2015:RTD**
- [FT13] Mikhail Feldman and Adrian Tudorascu. On Lagrangian solutions for the semi-geostrophic system with singular initial data. *SIAM Journal on Mathematical Analysis*, 45(3):1616–1640, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [FT13] **Feldman:2013:LSS**
- [FT17] Michael Feischl and Thanh Tran. Existence of regular solutions of the Landau–Lifshitz–Gilbert equation in 3D with natural boundary conditions. *SIAM Journal on Mathematical Analysis*, 49(6):4470–4490, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [FT17] **Feischl:2017:ERS**

- [FW18] **Faver:2018:EDF**
 Timothy E. Faver and J. Douglas Wright. Exact diatomic Fermi–Pasta–Ulam–Tsingou solitary waves with optical band ripples at infinity. *SIAM Journal on Mathematical Analysis*, 50(1):182–250, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [FWW17] **Feng:2017:S**
 Lirui Feng, Yi Wang, and Jianhong Wu. Semiflows “monotone with respect to high-rank cones” on a Banach space. *SIAM Journal on Mathematical Analysis*, 49(1):142–161, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [FY13a] **Fei:2013:BSD**
 Mingwen Fei and Huicheng Yin. Bound states of 2-D nonlinear Schrödinger equations with potentials tending to zero at infinity. *SIAM Journal on Mathematical Analysis*, 45(4):2299–2331, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [FY13b] **Felmer:2013:FPF**
 Patricio Felmer and Miguel Yangari. Fast propagation for fractional KPP equations with slowly decaying initial conditions. *SIAM Journal on Mathematical Analysis*, 45(2):662–678, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [FZ14] **Fang:2014:TWM**
 Jian Fang and Xiao-Qiang Zhao. Traveling waves for monotone semiflows with weak compactness. *SIAM Journal on Mathematical Analysis*, 46(6):3678–3704, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [FZ16] **Fang:2016:GSO**
 Daoyuan Fang and Ruizhao Zi. Global solutions to the Oldroyd-B model with a class of large initial data. *SIAM Journal on Mathematical Analysis*, 48(2):1054–1084, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Gar11] **Garnier:2011:ASI**
 Jimmy Garnier. Accelerating solutions in integro-differential equations. *SIAM Journal on Mathematical Analysis*, 43(4):1955–1974, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v43/i4/p1955_s1.

- [Ges13] Benjamin Gess. Finite speed of propagation for stochastic porous media equations. *SIAM Journal on Mathematical Analysis*, 45(5):2734–2766, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [GG10] Annegret Glitzky and Klaus Gärtner. Existence of bounded steady state solutions to spin-polarized drift-diffusion systems. *SIAM Journal on Mathematical Analysis*, 41(6):2489–2513, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [GGAS14] Hongjun Gao, María J. Garrido-Atienza, and Björn Schmalfuss. Random attractors for stochastic evolution equations driven by fractional Brownian motion. *SIAM Journal on Mathematical Analysis*, 46(4):2281–2309, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [GGRB14] Francisco Guillén-González and María Ángeles Rodríguez-Bellido. Weak time regularity and uniqueness for a Q -tensor model. *SIAM Journal on Mathematical Analysis*, 46(5):3540–3567, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [GH10] W. M. Greenlee and L. Hermi. Quadratic interpolation and Rayleigh–Ritz methods for bifurcation coefficients. *SIAM Journal on Mathematical Analysis*, 42(6):2987–3019, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v42/i6/p2987_s1.
- [GH12] Nicola Guglielmi and Ernst Hairer. Asymptotic expansions for regularized state-dependent neutral delay equations. *SIAM Journal on Mathematical Analysis*, 44(4):2428–2458, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [GH14] Yury Grabovsky and Davit Harutyunyan. Exact scaling exponents in Korn and Korn-type inequalities for cylindrical shells. *SIAM Journal on Mathematical Analysis*, 46(5):3277–3295, 2014. CODEN SJMAAH. ISSN 0036-

- 1410 (print), 1095-7154 (electronic).
- [GH18] Denis S. Grebenkov and Bernard Helffer. On spectral properties of the Bloch–Torrey operator in two dimensions. *SIAM Journal on Mathematical Analysis*, 50(1): 622–676, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [GHH17] Denis S. Grebenkov, Bernard Helffer, and Raphael Henry. The complex Airy operator on the line with a semipermeable barrier. *SIAM Journal on Mathematical Analysis*, 49(3): 1844–1894, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Ghi13] Marina Ghisi. Asymptotic limits for mildly degenerate Kirchhoff equations. *SIAM Journal on Mathematical Analysis*, 45(3):1886–1906, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [GHLN13] Zihua Guo, Nakao Hayashi, Yiquan Lin, and Pavel I. Naumkin. Modified scattering operator for the derivative nonlinear Schrödinger equation. *SIAM Journal on Mathematical Analysis*, 45(6): 3854–3871, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [GHMZ10] Thierry Goudon, Lingbing He, Ayman Moussa, and Ping Zhang. The Navier–Stokes–Vlasov–Fokker–Planck system near equilibrium. *SIAM Journal on Mathematical Analysis*, 42(5):2177–2202, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [GI15] Jeffrey S. Geronimo and Plamen Iliev. A hypergeometric basis for the Alpert multiresolution analysis. *SIAM Journal on Mathematical Analysis*, 47(1):654–668, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Gia15] Lorenzo Giacomelli. Finite speed of propagation and waiting time phenomena for degenerate parabolic equations with linear growth Lagrangian. *SIAM Journal on Mathematical Analysis*, 47(3): 2426–2441, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

- [Gie14] **Giesselmann:2014:REA**
 Jan Giesselmann. A relative entropy approach to convergence of a low order approximation to a nonlinear elasticity model with viscosity and capillarity. *SIAM Journal on Mathematical Analysis*, 46(5):3518–3539, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [GIP⁺13] **Gaitan:2013:IPT**
 P. Gaitan, H. Isozaki, O. Poisson, S. Siltanen, and J. P. Tamminen. Inverse problems for time-dependent singular heat conductivities — one-dimensional case. *SIAM Journal on Mathematical Analysis*, 45(3):1675–1690, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [GIV17] **Geronimo:2017:AML**
 Jeffrey S. Geronimo, Plamen Iliev, and Walter Van Assche. Alpert multiwavelets and Legendre–Angelesco multiple orthogonal polynomials. *SIAM Journal on Mathematical Analysis*, 49(1):626–645, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [GJMC12] **Gwiazda:2012:MDC**
 Piotr Gwiazda, Grzegorz Jamróz, and Anna Marciniak
- [GZ15] **Guo:2015:SVC**
 Yan Guo, Song Jiang, and Chunhui Zhou. Steady viscous compressible channel flows. *SIAM Journal on Mathematical Analysis*, 47(5):3648–3670, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [GK10] **Gyongy:2010:AFD**
 István Gyöngy and Nicolai Krylov. Accelerated finite difference schemes for linear stochastic partial differential equations in the whole space. *SIAM Journal on Mathematical Analysis*, 42(5):2275–2296, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [GL12] **Guo:2012:OSR**
 Kanghui Guo and Demetrio Labate. Optimally sparse representations of 3D data with C^2 surface singularities using Parseval frames of shearlets. *SIAM Journal on Mathematical Analysis*, 44(2):851–
- Czochra. Models of discrete and continuous cell differentiation in the framework of transport equation. *SIAM Journal on Mathematical Analysis*, 44(2):1103–1133, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

- 886, ????. 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [Gli13]
- [GL15] Nastasia Grubic and Philippe G. LeFloch. On the area of the symmetry orbits in weakly regular Einstein–Euler spacetimes with Gowdy symmetry. *SIAM Journal on Mathematical Analysis*, 47(1):669–683, ????. 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [GLL17]
- [GL17] Yu Gao and Jian-Guo Liu. Global convergence of a sticky particle method for the modified Camassa–Holm equation. *SIAM Journal on Mathematical Analysis*, 49(2):1267–1294, ????. 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [GLS10]
- [Gla17] Karl Glasner. Multilayered equilibria in a density functional model of copolymer-solvent mixtures. *SIAM Journal on Mathematical Analysis*, 49(2):1593–1620, ????. 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [GLT10]
- [Glitzky:2013:EMS] Annegret Glitzky. An electronic model for solar cells including active interfaces and energy resolved defect densities. *SIAM Journal on Mathematical Analysis*, 44(6):3874–3900, ????. 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Gao:2017:WSC] Yuan Gao, Jian-Guo Liu, and Jianfeng Lu. Weak solution of a continuum model for vicinal surface in the attachment-detachment-limited regime. *SIAM Journal on Mathematical Analysis*, 49(3):1705–1731, ????. 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Ghazaryan:2010:STW] Anna Ghazaryan, Yuri Latushkin, and Stephen Schecter. Stability of traveling waves for a class of reaction–diffusion systems that arise in chemical reaction models. *SIAM Journal on Mathematical Analysis*, 42(6):2434–2472, ????. 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Gunther:2010:SMM] Uwe Günther, Heinz Langer, and Christiane Tretter. On the spectrum of the magnetohydrodynamic mean-field

- α^2 -dynamo operator. *SIAM Journal on Mathematical Analysis*, 42(3):1413–1447, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [GM11]
- [GLW17] Yujin Guo, Changshou Lin, and Juncheng Wei. Local uniqueness and refined spike profiles of ground states for two-dimensional attractive Bose–Einstein condensates. *SIAM Journal on Mathematical Analysis*, 49(5):3671–3715, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [GM13]
- [GLZ17] Yixian Gao, Peijun Li, and Bo Zhang. Analysis of transient acoustic-elastic interaction in an unbounded structure. *SIAM Journal on Mathematical Analysis*, 49(5):3951–3972, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [GM14]
- [GM10] Lorenzo Giacomelli and Salvador Moll. Rotationally symmetric 1-harmonic flows from D^2 to S^2 : Local well-posedness and finite time blowup. *SIAM Journal on Mathematical Analysis*, 42(6):2791–2817, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [GM15]
- Patrick Gérard and Florian Méhats. The Schrödinger–Poisson system on the sphere. *SIAM Journal on Mathematical Analysis*, 43(3):1232–1268, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v43/i3/p1232_s1.
- Nicola Gigli and Jan Maas. Gromov–Hausdorff convergence of discrete transportation metrics. *SIAM Journal on Mathematical Analysis*, 45(2):879–899, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- A. Ghorbel and R. Monneau. Existence and nonexistence of semidiscrete shocks for a car-following model in traffic flow. *SIAM Journal on Mathematical Analysis*, 46(6):3612–3639, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Peter V. Gordon and Cyrill B. Muratov. Eventual self-

Guo:2017:LUR**Gao:2017:ATA****Giacomelli:2010:RSH****Gerard:2011:SPS****Gigli:2013:GHC****Ghorbel:2014:ENS****Gordon:2015:ESS**

- similarity of solutions for the diffusion equation with non-linear absorption and a point source. *SIAM Journal on Mathematical Analysis*, 47(4): 2903–2916, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [GMM13] **Giacomelli:2013:HFV**
 Lorenzo Giacomelli, José M. Mazón, and Salvador Moll. The 1-harmonic flow with values into \mathbf{S}^1 . *SIAM Journal on Mathematical Analysis*, 45(3): 1723–1740, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [GM17a] **Gallouet:2017:JSS**
 Thomas O. Gallouët and Léonard Monsaingeon. A JKO splitting scheme for Kantorovich–Fisher–Rao gradient flows. *SIAM Journal on Mathematical Analysis*, 49(2): 1100–1130, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [GMP13] **Germain:2013:NGS**
 Pierre Germain, Nader Masmoudi, and Benoit Pausader. Nonneutral global solutions for the electron Euler–Poisson system in three dimensions. *SIAM Journal on Mathematical Analysis*, 45(1):267–278, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [GM17b] **Gesu:2017:FMA**
 Giacomo Di Gesù and Mauro Mariani. Full metastable asymptotic of the Fisher information. *SIAM Journal on Mathematical Analysis*, 49(4): 3048–3072, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [GMT16] **Giga:2016:ASS**
 Yoshikazu Giga, Hiroyoshi Mitake, and Hung V. Tran. On asymptotic speed of solutions to level-set mean curvature flow equations with driving and source terms. *SIAM Journal on Mathematical Analysis*, 48(5):3515–3546, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [GM17c] **Goldman:2017:PSB**
 M. Goldman and B. Merlet. Phase segregation for binary mixtures of Bose–Einstein condensates. *SIAM Journal on Mathematical Analysis*, 49(3):1947–1981, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [GN15] **Guarguaglini:2015:GSS**
 F. R. Guarguaglini and R. Natalini. Global smooth solutions for a hyperbolic chemotaxis model on a network.

- SIAM Journal on Mathematical Analysis*, 47(6):4652–4671, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Gna15] Manuel V. Gnann. Well-posedness and self-similar asymptotics for a thin-film equation. *SIAM Journal on Mathematical Analysis*, 47(4):2868–2902, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Gustafson:2011:SDD] [GP18] Stephen Gustafson and Tuoc Van Phan. Stable directions for degenerate excited states of nonlinear Schrödinger equations. *SIAM Journal on Mathematical Analysis*, 43(4):1716–1758, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v43/i4/p1716_s1.
- [Graf:2014:DSB] [GP14] Isabell Graf and Malte A. Peter. Diffusion on surfaces and the boundary periodic unfolding operator with an application to carcinogenesis in human cells. *SIAM Journal on Mathematical Analysis*, 46(4):3025–3049, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Gomes:2015:TDM] [GP15] Diogo A. Gomes and Edgard Pimentel. Time-dependent mean-field games with logarithmic nonlinearities. *SIAM Journal on Mathematical Analysis*, 47(5):3798–3812, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Guevara:2018:LSS] [GP18] Cristi Guevara and Nguyen Cong Phuc. Leray’s self-similar solutions to the Navier–Stokes equations with profiles in Marcinkiewicz and Morrey spaces. *SIAM Journal on Mathematical Analysis*, 50(1):541–556, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Giacomin:2013:TAR] [GPPP13] Giambattista Giacomin, Khashayar Pakdaman, Xavier Pellegrin, and Christophe Poquet. Transitions in active rotator systems: Invariant hyperbolic manifold approach. *SIAM Journal on Mathematical Analysis*, 44(6):4165–4194, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

- [GR13a] **Gianni:2013:MDD**
 Roberto Gianni and Fabio Rosso. Modeling degrading dispersions in a three-dimensional finite container under general boundary conditions. *SIAM Journal on Mathematical Analysis*, 45(4):2332–2353, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [GR13b] **Gurumoorthy:2013:DTG**
 Karthik S. Gurumoorthy and Anand Rangarajan. Distance transform gradient density estimation using the stationary phase approximation. *SIAM Journal on Mathematical Analysis*, 44(6):4250–4273, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [GR15a] **Gess:2015:SDM**
 Benjamin Gess and Michael Röckner. Singular-degenerate multivalued stochastic fast diffusion equations. *SIAM Journal on Mathematical Analysis*, 47(5):4058–4090, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [GR15b] **Grudsky:2015:STH**
 Sergei Grudsky and Alexei Rybkin. Soliton theory and Hankel operators. *SIAM Journal on Mathematical Analysis*, 47(3):2283–2323, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Gro10] **Grohs:2010:GPA**
 Philipp Grohs. A general proximity analysis of nonlinear subdivision schemes. *SIAM Journal on Mathematical Analysis*, 42(2):729–750, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [GRT14] **Gourley:2014:UPM**
 Stephen A. Gourley, Gergely Röst, and Horst R. Thieme. Uniform persistence in a model for bluetongue dynamics. *SIAM Journal on Mathematical Analysis*, 46(2):1160–1184, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [GS10a] **Giorgi:2010:GUS**
 Tiziana Giorgi and Robert G. Smits. Gauge uniqueness of solutions to the Ginzburg–Landau system for small superconducting domains. *SIAM Journal on Mathematical Analysis*, 42(1):163–182, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

- [GS10b] **Girault:2010:TDT**
 V. Girault and L. Ridgway Scott. On a time-dependent transport equation in a Lipschitz domain. *SIAM Journal on Mathematical Analysis*, 42(4):1721–1731, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [GS12a] **Galvis:2012:RRO**
 Juan Galvis and Marcus Sarkis. Regularity results for the ordinary product stochastic pressure equation. *SIAM Journal on Mathematical Analysis*, 44(4):2637–2665, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [GS12b] **Glass:2012:MRB**
 Olivier Glass and Franck Sueur. On the motion of a rigid body in a two-dimensional irregular ideal flow. *SIAM Journal on Mathematical Analysis*, 44(5):3101–3126, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [GS15a] **Gaudiello:2015:HHO**
 Antonio Gaudiello and Ali Sili. Homogenization of highly oscillating boundaries with strongly contrasting diffusivity. *SIAM Journal on Mathematical Analysis*, 47(3):1671–1692, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [GS15b] **Gu:2015:HSS**
 Shu Gu and Zhongwei Shen. Homogenization of Stokes systems and uniform regularity estimates. *SIAM Journal on Mathematical Analysis*, 47(5):4025–4057, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [GS15c] **Guo:2015:NTZ**
 Jong-Shenq Guo and Philippe Souplet. No touchdown at zero points of the permittivity profile for the MEMS problem. *SIAM Journal on Mathematical Analysis*, 47(1):614–625, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [GS17] **Grandi:2017:FPP**
 D. Grandi and U. Stefanelli. Finite plasticity in $P^{\top}P$. part II: Quasi-static evolution and linearization. *SIAM Journal on Mathematical Analysis*, 49(2):1356–1384, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [GST13] **Gurevich:2013:RDE**
 Pavel Gurevich, Roman Shamin, and Sergey Tikhomirov. Reaction–diffusion equations with spa-

- tially distributed hysteresis. *SIAM Journal on Mathematical Analysis*, 45(3):1328–1355, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [GVWK16]
- Gasser:2016:ECJ**
- [GSW16] Ingenuin Gasser, Peter Szmolyan, and Johannes Wächter. Existence of Chapman–Jouguet detonation and deflagration waves. *SIAM Journal on Mathematical Analysis*, 48(2):1400–1422, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [GVZ16]
- Guo:2010:LRT**
- [GT10] Yan Guo and Ian Tice. Linear Rayleigh–Taylor instability for viscous, compressible fluids. *SIAM Journal on Mathematical Analysis*, 42(4):1688–1720, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [GW13]
- Gess:2016:ELL**
- [GT16] Benjamin Gess and Jonas M. Tölle. Ergodicity and local limits for stochastic local and nonlocal p -Laplace equations. *SIAM Journal on Mathematical Analysis*, 48(6):4094–4125, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [GW15]
- Gerard-Varet:2016:BLN**
- David Gérard-Varet and Aneta Wróblewska-Kamińska. Boundary layer for a non-Newtonian flow over a rough surface. *SIAM Journal on Mathematical Analysis*, 48(5):3123–3147, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Garcia:2016:DTE**
- Andoni García, Esa V. Vesalainen, and Miren Zubeldia. Discreteness of transmission eigenvalues for higher-order main terms and perturbations. *SIAM Journal on Mathematical Analysis*, 48(4):2382–2398, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Grasselli:2013:LTB**
- Maurizio Grasselli and Hao Wu. Long-time behavior for a hydrodynamic model on nematic liquid crystal flows with asymptotic stabilizing boundary condition and external force. *SIAM Journal on Mathematical Analysis*, 45(3):965–1002, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Guillod:2015:GSI**
- Julien Guillod and Peter Wittwer. Generalized

- scale-invariant solutions to the two-dimensional stationary Navier–Stokes equations. [GZ13] *SIAM Journal on Mathematical Analysis*, 47(1):955–968, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [GX17] **Gu:2017:OBE**
Shu Gu and Qiang Xu. Optimal boundary estimates for Stokes systems in homogenization theory. *SIAM Journal on Mathematical Analysis*, 49(5):3831–3853, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [GZ14]
- [GY16a] **Golgeleyen:2016:SSI**
Fikret Gölgeleyen and Masahiro Yamamoto. Stability for some inverse problems for transport equations. *SIAM Journal on Mathematical Analysis*, 48(4):2319–2344, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [Hal12]
- [GY16b] **Guo:2016:EBR**
Yan Guo and Xiongfeng Yang. Existence and BV-regularity for neutron transport equation in nonconvex domain. *SIAM Journal on Mathematical Analysis*, 48(5):3467–3495, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [Hal13]
- Geng:2013:QPS**
Jiansheng Geng and Zhiyan Zhao. Quasi-periodic solutions for one-dimensional nonlinear lattice Schrödinger equation with tangent potential. *SIAM Journal on Mathematical Analysis*, 45(6):3651–3689, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Goldman:2014:SLR**
M. Goldman and B. Zwicknagl. Scaling law and reduced models for epitaxially strained crystalline films. *SIAM Journal on Mathematical Analysis*, 46(1):1–24, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Hall:2012:ASA**
Eric Joseph Hall. Accelerated spatial approximations for time discretized stochastic partial differential equations. *SIAM Journal on Mathematical Analysis*, 44(5):3162–3185, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Hall:2013:HOS**
Eric Joseph Hall. Higher order spatial approximations for degenerate parabolic stochastic partial differential equations. *SIAM Journal on*

- Mathematical Analysis*, 45(4): 2071–2098, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [HD17]
- Haltmeier:2014:UIF**
- [Hal14] Markus Haltmeier. Universal inversion formulas for recovering a function from spherical means. *SIAM Journal on Mathematical Analysis*, 46(1): 214–232, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [Hel12]
- Hansen:2014:SFS**
- [Han14] Sönke Hansen. Subsonic free surface waves in linear elasticity. *SIAM Journal on Mathematical Analysis*, 46(4):2501–2524, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [Hen10]
- Huang:2016:GTS**
- [HCHY16] Bo-Chih Huang, Shih-Wei Chou, John M. Hong, and Chien-Chang Yen. Global transonic solutions of planetary atmospheres in a hydrodynamic region — hydrodynamic escape problem due to gravity and heat. *SIAM Journal on Mathematical Analysis*, 48(6):4268–4310, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [HF13]
- Healey:2017:SBG**
- Timothy J. Healey and Sanjay Dharmavaram. Symmetry-breaking global bifurcation in a surface continuum phase-field model for lipid bilayer vesicles. *SIAM Journal on Mathematical Analysis*, 49(2): 1027–1059, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Helmensdorfer:2012:MBF**
- Sebastian Helmsdorfer. A model for the behavior of fluid droplets based on mean curvature flow. *SIAM Journal on Mathematical Analysis*, 44(3): 1359–1371, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Henry:2010:ASP**
- David Henry. Analyticity of the streamlines for periodic travelling free surface capillary-gravity water waves with vorticity. *SIAM Journal on Mathematical Analysis*, 42(6):3103–3111, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v42/i6/p3103_s1.
- Han:2013:UUN**
- Zheng Han and Daoyuan Fang. On the unconditional

- uniqueness for NLS in \dot{H}^s . *SIAM Journal on Mathematical Analysis*, 45(3):1505–1526, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [HGW14] Guoliang He, Xianguo Geng, and Lihua Wu. Algebrogeometric quasi-periodic solutions to the three-wave resonant interaction hierarchy. *SIAM Journal on Mathematical Analysis*, 46(2):1348–1384, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [HHR09] **He:2014:AGQ** Martin Hanke, Nuutti Hyvönen, and Stefanie Reusswig. An inverse backscatter problem for electric impedance tomography. *SIAM Journal on Mathematical Analysis*, 41(5):1948–1966, 2009. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). See erratum [HHR11].
- [HHR11] **Hanke:2009:IBP** Martin Hanke, Nuutti Hyvönen, and Stefanie Reusswig. An inverse backscatter problem for electric impedance tomography. *SIAM Journal on Mathematical Analysis*, 41(5):1948–1966, 2009. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). See erratum [HHR11].
- [HHR11] **Hanke:2011:EIB** Martin Hanke, Nuutti Hyvönen, and Stefanie Reusswig. Erratum: An inverse backscatter problem for electric impedance tomography. *SIAM Journal on Mathematical Analysis*, 43(3):1495–1497, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v43/i3/p1495_s1. See [HHR09].
- [HHMM18] **Haskovec:2018:DEE** Jan Haskovec, Sabine Hittmeir, Peter Markowich, and Alexander Mielke. Decay to equilibrium for energy–reaction–diffusion systems. *SIAM Journal on Mathematical Analysis*, 50(1):1037–1075, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [HHPZ17] **Hong:2017:GEC** Guangyi Hong, Xiaofeng Hou, Hongyun Peng, and Changjiang Zhu. Global existence for a class of large solutions to three-dimensional compressible magnetohydrodynamic equations with vacuum. *SIAM Journal on Mathematical Analysis*, 49(1):222–271, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [HHR17] **Holding:2017:CAM** Thomas Holding, Harsha Hutridurga, and Jeffrey Rauch. Convergence along mean flows. *SIAM Journal on Mathematical Analysis*, 49(1):222–271, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

1410 (print), 1095-7154 (electronic).

Hunter:2012:ELS

- [HI12] John K. Hunter and Michaela Ifrim. Enhanced life span of smooth solutions of a Burgers–Hilbert equation. *SIAM Journal on Mathematical Analysis*, 44(3):2039–2052, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Hittmeir:2011:CDP

- [HJ11] Sabine Hittmeir and Ansgar Jüngel. Cross diffusion preventing blow-up in the two-dimensional Keller–Segel model. *SIAM Journal on Mathematical Analysis*, 43(2):997–1022, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v43/i2/p997_s1.

Hur:2015:SPT

- [HJ15] Vera Mikyoung Hur and Mathew A. Johnson. Stability of periodic traveling waves for nonlinear dispersive equations. *SIAM Journal on Mathematical Analysis*, 47(5):3528–3554, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

[HK10]

Han-Kwan:2010:CTP

Daniel Han-Kwan. On the confinement of a Tokamak plasma. *SIAM Journal on Mathematical Analysis*, 42(6):2337–2367, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Heinemann:2015:EWS

[HK15]

Christian Heinemann and Christiane Kraus. Existence of weak solutions for a hyperbolic-parabolic phase field system with mixed boundary conditions on non-smooth domains. *SIAM Journal on Mathematical Analysis*, 47(3):2044–2073, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Holden:2013:OSW

[HKK13]

Helge Holden, Kenneth H. Karlsen, and Trygve K. Karper. Operator splitting for well-posed active scalar equations. *SIAM Journal on Mathematical Analysis*, 45(1):152–180, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Ha:2015:EDH

[HKK15]

Seung-Yeal Ha, Moon-Jin Kang, and Bongsuk Kwon. Emergent dynamics for the hydrodynamic Cucker–Smale system in a moving domain.

SIAM Journal on Mathematical Analysis, 47(5):3813–3831, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Hoffmann:2017:EUG

[HKK17]

Joachim Hoffmann, Serge Kräutle, and Peter Knabner. Existence and uniqueness of a global solution for reactive transport with mineral precipitation–dissolution and aquatic reactions in porous media. *SIAM Journal on Mathematical Analysis*, 49(6):4812–4837, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Han-Kwan:2016:NIV

[HKN16]

Daniel Han-Kwan and Toan T. Nguyen. Nonlinear instability of Vlasov–Maxwell systems in the classical and quasineutral limits. *SIAM Journal on Mathematical Analysis*, 48(5):3444–3466, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Hitrik:2010:TEO

[HKOP10]

Michael Hitrik, Katsiaryna Krupchyk, Petri Ola, and Lassi Päiväranta. Transmission eigenvalues for operators with constant coefficients. *SIAM Journal on Mathematical Analysis*, 42(6):2965–2986, 2010. CO-

DEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v42/i6/p2965_s1.

Hitrik:2011:TEE

[HKOP11]

Michael Hitrik, Katsiaryna Krupchyk, Petri Ola, and Lassi Päiväranta. Transmission eigenvalues for elliptic operators. *SIAM Journal on Mathematical Analysis*, 43(6):2630–2639, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v43/i6/p2630_s1.

Holmes:2018:NDI

[HKT18]

John Holmes, Barbara Keyfitz, and Feride Tigliay. Nonuniform dependence on initial data for compressible gas dynamics: The Cauchy problem on \mathbf{R}^2 . *SIAM Journal on Mathematical Analysis*, 50(1):1237–1254, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Haddar:2011:EWS

[HL11]

Housseem Haddar and Armin Lechleiter. Electromagnetic wave scattering from rough penetrable layers. *SIAM Journal on Mathematical Analysis*, 43(5):2418–2443, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (elec-

- tronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v43/i5/p2418_s1. [HLW12]
- Hao:2012:WPM**
- [HL12] Chengchun Hao and Hai-Liang Li. Well-posedness for a multidimensional viscous liquid-gas two-phase flow model. *SIAM Journal on Mathematical Analysis*, 44(3): 1304–1332, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [HLX11]
- Hsieh:2015:EDE**
- [HL15] Chia-Yu Hsieh and Tai-Chia Lin. Exponential decay estimates for the stability of boundary layer solutions to Poisson–Nernst–Planck systems: One spatial dimension case. *SIAM Journal on Mathematical Analysis*, 47(5): 3442–3465, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [HM12a]
- Hsu:2014:NPC**
- [HLGMMM14] S. B. Hsu, J. López-Gómez, L. Mei, and M. Molina-Meyer. A nonlocal problem from conservation biology. *SIAM Journal on Mathematical Analysis*, 46(6):4035–4059, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [HM12b]
- Huang:2012:ZDL**
- Feimin Huang, Mingjie Li, and Yi Wang. Zero dissipation limit to rarefaction wave with vacuum for one-dimensional compressible Navier–Stokes equations. *SIAM Journal on Mathematical Analysis*, 44(3): 1742–1759, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Huang:2011:STC**
- Xiangdi Huang, Jing Li, and Zhouping Xin. Serrin-type criterion for the three-dimensional viscous compressible flows. *SIAM Journal on Mathematical Analysis*, 43(4): 1872–1886, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v43/i4/p1872_s1.
- Haines:2012:PEE**
- Brian M. Haines and Anna L. Mazzucato. A proof of Einstein’s effective viscosity for a dilute suspension of spheres. *SIAM Journal on Mathematical Analysis*, 44(3): 2120–2145, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Henao:2012:SUG**
- Duvan Henao and Apala Majumdar. Symmetry of

- uniaxial global Landau–de Gennes minimizers in the theory of nematic liquid crystals. *SIAM Journal on Mathematical Analysis*, 44(5):3217–3241, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). See corrigendum [HM13].
- [HM13] **Henao:2013:CSU**
 Duvan Henao and Apala Majumdar. Corrigendum: Symmetry of Uniaxial Global Landau–de Gennes Minimizers in the Theory of Nematic Liquid Crystals. *SIAM Journal on Mathematical Analysis*, 45(6):3872–3874, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). See [HM12b].
- [HMN14] **Hoell:2014:CDI**
 Nicholas Hoell, Amir Moradifam, and Adrian Nachman. Current density impedance imaging of an anisotropic conductivity in a known conformal class. *SIAM Journal on Mathematical Analysis*, 46(3):1820–1842, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [HMS14] **Han:2014:CVH**
 Weimin Han, Stanislaw Migórski, and Mircea Sofonea. A class of variational-hemivariational inequalities with applications to frictional contact problems. *SIAM Journal on Mathematical Analysis*, 46(6):3891–3912, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Herrmann:2013:SPT**
 Michael Herrmann, Karsten Matthies, Hartmut Schwetlick, and Johannes Zimmer. Subsonic phase transition waves in bistable lattice models with small spinodal region. *SIAM Journal on Mathematical Analysis*, 45(5):2625–2645, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [HMW11] **Huang:2011:LTB**
 Feimin Huang, Ming Mei, and Yong Wang. Large time behavior of solutions to n -dimensional bipolar hydrodynamic models for semiconductors. *SIAM Journal on Mathematical Analysis*, 43(4):1595–1630, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v43/i4/p1595_s1.
- [HMWY11] **Huang:2011:ACS**
 Feimin Huang, Ming Mei, Yong Wang, and Huimin Yu. Asymptotic convergence to stationary waves for unipolar hydrodynamic model of semiconductors. *SIAM Journal on*

- Mathematical Analysis*, 43(1): 411–429, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v43/i1/p411_s1. [HNP15]
- Huang:2012:LTB**
- [HMWY12] Feimin Huang, Ming Mei, Yong Wang, and Tong Yang. Long-time behavior of solutions to the bipolar hydrodynamic model of semiconductors with boundary effect. *SIAM Journal on Mathematical Analysis*, 44(2):1134–1164, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [HNS17]
- Han:2015:CST**
- [HMZ15] Bin Han, Qun Mo, and Zhenpeng Zhao. Compactly supported tensor product complex tight framelets with directionality. *SIAM Journal on Mathematical Analysis*, 47(3): 2464–2494, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [HNSW11]
- Hulshof:2013:ESD**
- [HNP13] J. Hulshof, R. Nolet, and G. Prokert. Existence of solutions to the diffusive VSC model. *SIAM Journal on Mathematical Analysis*, 45(2): 700–727, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [HNP15]
- Hoang:2015:GEG**
- Luan T. Hoang, Truyen V. Nguyen, and Tuoc V. Phan. Gradient estimates and global existence of smooth solutions to a cross-diffusion system. *SIAM Journal on Mathematical Analysis*, 47(3):2122–2177, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Hadzic:2017:LWP**
- Mahir Hadzić, Gustavo Navarro, and Steve Shkoller. Local well-posedness and global stability of the two-phase Stefan problem. *SIAM Journal on Mathematical Analysis*, 49(6): 4942–5006, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Hangelbroek:2011:KAM**
- T. Hangelbroek, F. J. Narcowich, X. Sun, and J. D. Ward. Kernel approximation on manifolds II: The L_∞ norm of the L_2 projector. *SIAM Journal on Mathematical Analysis*, 43(2): 662–684, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v43/i2/p662_s1.

- [HNW10] **Hangelbroek:2010:KAM**
 T. Hangelbroek, F. J. Narcowich, and J. D. Ward. Kernel approximation on manifolds I: Bounding the Lebesgue constant. *SIAM Journal on Mathematical Analysis*, 42(4):1732–1760, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [HO15] **Hudson:2015:ASS**
 T. Hudson and C. Ortner. Analysis of stable screw dislocation configurations in an antiplane lattice model. *SIAM Journal on Mathematical Analysis*, 47(1):291–320, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Hof12] **Hoff:2012:LSC**
 David Hoff. Local solutions of a compressible flow problem with Navier boundary conditions in general three-dimensional domains. *SIAM Journal on Mathematical Analysis*, 44(2):633–650, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v44/i2/p633_s1.
- [HPS12] **Hyvonen:2012:PMN**
 Nuutti Hyvönen, Petteri Piironen, and Otto Seiskari. Point measurements for a Neumann-to-Dirichlet map and the Calderón problem in the plane. *SIAM Journal on Mathematical Analysis*, 44(5):3526–3536, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [HR10] **Herrmann:2010:HTW**
 Michael Herrmann and Jens D. M. Rademacher. Heteroclinic travelling waves in convex FPU-type chains. *SIAM Journal on Mathematical Analysis*, 42(4):1483–1504, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [HR12] **Hur:2012:HPV**
 Youngmi Hur and Amos Ron. High-performance very local Riesz wavelet bases of $L_2(\mathbf{R}^n)$. *SIAM Journal on Mathematical Analysis*, 44(4):2237–2265, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [HR15] **Hamel:2015:AST**
 François Hamel and Luca Rossi. Admissible speeds of transition fronts for nonautonomous monostable equations. *SIAM Journal on Mathematical Analysis*, 47(5):3342–3392, 2015. CODEN SJMAAH. ISSN 0036-

- 1410 (print), 1095-7154 (electronic).
- [HS10a] **Hamel:2010:SSS**
 François Hamel and Yannick Sire. Spreading speeds for some reaction–diffusion equations with general initial conditions. *SIAM Journal on Mathematical Analysis*, 42(6):2872–2911, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v42/i6/p2872_s1.
- [HS10b] **Harrach:2010:ESR**
 Bastian Harrach and Jin Keun Seo. Exact shape-reconstruction by one-step linearization in electrical impedance tomography. *SIAM Journal on Mathematical Analysis*, 42(4):1505–1518, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [HS10c] **Harrell:2010:UBS**
 Evans M. Harrell II and Joachim Stubbe. Universal bounds and semiclassical estimates for eigenvalues of abstract Schrödinger operators. *SIAM Journal on Mathematical Analysis*, 42(5):2261–2274, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [HS13] **Hoang:2013:STG**
 Viet Ha Hoang and Christoph Schwab. Sparse tensor Galerkin discretization of parametric and random parabolic PDEs — analytic regularity and generalized polynomial chaos approximation. *SIAM Journal on Mathematical Analysis*, 45(5):3050–3083, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [HS14] **Holzer:2014:AFT**
 Matt Holzer and Arnd Scheel. Accelerated fronts in a two-stage invasion process. *SIAM Journal on Mathematical Analysis*, 46(1):397–427, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [HS16] **Heinemann:2016:SOC**
 Christian Heinemann and Kevin Sturm. Shape optimization for a class of semilinear variational inequalities with applications to damage models. *SIAM Journal on Mathematical Analysis*, 48(5):3579–3617, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [HSS17] **Hakkaev:2017:PTW**
 Sevdzhan Hakkaev, Milena Stanislavova, and Atanas Stefanov. Periodic traveling

- waves of the regularized short pulse and Ostrovsky equations: Existence and stability. *SIAM Journal on Mathematical Analysis*, 49(1):674–698, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [HT18]
- [HSV16] Guanghui Hu, Mikko Salo, and Esa V. Vesalainen. Shape identification in inverse medium scattering problems with a single far-field pattern. *SIAM Journal on Mathematical Analysis*, 48(1):152–165, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [Hu:2016:SII]
- [HSV17] D. P. Hardin, E. B. Saff, and O. V. Vlasiuk. Generating point configurations via hypersingular Riesz energy with an external field. *SIAM Journal on Mathematical Analysis*, 49(1):646–673, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [Hardin:2017:GPC]
- [HT17] Feimin Huang and Wenke Tan. On the strong solution of the ghost effect system. *SIAM Journal on Mathematical Analysis*, 49(5):3496–3526, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [Huang:2017:SSG]
- [HTX15] Younghun Hong, Kenneth Taliaferro, and Zhihui Xie. Unconditional uniqueness of the cubic Gross–Pitaevskii hierarchy with low regularity. *SIAM Journal on Mathematical Analysis*, 47(5):3314–3341, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [Hong:2015:UUC]
- [HU13] Bastian Harrach and Marcel Ullrich. Monotonicity-based shape reconstruction in electrical impedance tomography. *SIAM Journal on Mathematical Analysis*, 45(6):3382–3403, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [Harrach:2013:MBS]
- [HV13] H. J. Hupkes and E. S. Van Vleck. Negative diffusion and traveling waves in 1410 (print), 1095-7154 (electronic). [Hur:2018:WBS]
- Vera Mikyoung Hur and Lizheng Tao. Wave breaking in a shallow water model. *SIAM Journal on Mathematical Analysis*, 50(1):354–380, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [Hupkes:2013:NDT]
- H. J. Hupkes and E. S. Van Vleck. Negative diffusion and traveling waves in

- high dimensional lattice systems. *SIAM Journal on Mathematical Analysis*, 45(3):1068–1135, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [HW11] M. A. Hofer and M. I. Weinstein. Defect modes and homogenization of periodic Schrödinger operators. *SIAM Journal on Mathematical Analysis*, 43(2):971–996, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v43/i2/p971_s1.
- [HW13a] Xianpeng Hu and Guochun Wu. Global existence and optimal decay rates for three-dimensional compressible viscoelastic flows. *SIAM Journal on Mathematical Analysis*, 45(5):2815–2833, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [HW13b] Xianpeng Hu and Hao Wu. Global solution to the three-dimensional compressible flow of liquid crystals. *SIAM Journal on Mathematical Analysis*, 45(5):2678–2699, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [HW14] Xiangdi Huang and Yun Wang. Global strong solution with vacuum to the two dimensional density-dependent Navier–Stokes system. *SIAM Journal on Mathematical Analysis*, 46(3):1771–1788, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [HW17] Hakho Hong and Teng Wang. Stability of stationary solutions to the inflow problem for full compressible Navier–Stokes equations with a large initial perturbation. *SIAM Journal on Mathematical Analysis*, 49(3):2138–2166, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [HWWY13] Feimin Huang, Yi Wang, Yong Wang, and Tong Yang. The limit of the Boltzmann equation to the Euler equations for Riemann problems. *SIAM Journal on Mathematical Analysis*, 45(3):1741–1811, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Hofer:2011:DMH**Huang:2014:GSS****Hong:2017:SSS****Hu:2013:GEO****Huang:2013:LBE****Hu:2013:GST**

- [HWZ12] **Hu:2012:EPG**
 Qingwen Hu, Jianhong Wu, and Xingfu Zou. Estimates of periods and global continua of periodic solutions for state-dependent delay equations. *SIAM Journal on Mathematical Analysis*, 44(4):2401–2427, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [HX10] **He:2010:GWP**
 Lingbing He and Li Xu. Global well-posedness for viscoelastic fluid system in bounded domains. *SIAM Journal on Mathematical Analysis*, 42(6):2610–2625, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [HX14] **Ha:2014:USP**
 Seung-Yeal Ha and Qinghua Xiao. Uniform stability and the propagation of regularity for the relativistic Boltzmann equation. *SIAM Journal on Mathematical Analysis*, 46(1):165–191, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [HY13] **Hong:2013:RSF**
 Jiaxing Hong and Ge Yang. On the regularity of solutions to FENE models. *SIAM Journal on Mathematical Analysis*, 45(4):2228–2252, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [HY14] **He:2014:WPA**
 Lingbing He and Xiongfeng Yang. Well-posedness and asymptotics of grazing collisions limit of Boltzmann equation with Coulomb interaction. *SIAM Journal on Mathematical Analysis*, 46(6):4104–4165, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Hyn13] **Hynd:2013:PRW**
 Ryan Hynd. Partial regularity of weak solutions of the viscoelastic Navier–Stokes equations with damping. *SIAM Journal on Mathematical Analysis*, 45(2):495–517, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [HZ10] **Han:2010:MES**
 Bin Han and Xiaosheng Zhuang. Matrix extension with symmetry and its application to symmetric orthonormal multiwavelets. *SIAM Journal on Mathematical Analysis*, 42(5):2297–2317, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

- [HZFQ13] **Hou:2013:AGS**
 Yu Hou, Peng Zhao, En-gui Fan, and Zhijun Qiao. Algebro-geometric solutions for the Degasperis–Procesi hierarchy. *SIAM Journal on Mathematical Analysis*, 45(3):1216–1266, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [IISD15] **Ignat:2015:CTA**
 Liviu I. Ignat, Tatiana I. Ignat, and Denisa Stancu-Dumitru. A compactness tool for the analysis of non-local evolution equations. *SIAM Journal on Mathematical Analysis*, 47(2):1330–1354, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Igb12] **Igbida:2012:PIE**
 Noureddine Igbida. A partial integrodifferential equation in granular matter and its connection with a stochastic model. *SIAM Journal on Mathematical Analysis*, 44(3):1950–1975, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Igb17] **Igbida:2017:MCS**
 Noureddine Igbida. Metric character for the sub-Hamilton–Jacobi obstacle equation. *SIAM Journal on Mathematical Analysis*, 49(4):3143–3160, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Ign10] **Ignat:2010:SES**
 Liviu I. Ignat. Strichartz estimates for the Schrödinger equation on a tree and applications. *SIAM Journal on Mathematical Analysis*, 42(5):2041–2057, 2010. CO-
- DEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [IK11] **Ibrahim:2011:GSS**
 Slim Ibrahim and Sahbi Ker-aani. Global small solutions for the Navier–Stokes–Maxwell system. *SIAM Journal on Mathematical Analysis*, 43(5):2275–2295, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v43/i5/p2275_s1.
- [IKM17] **Ishige:2017:AES**
 Kazuhiro Ishige, Tatsuki Kawakami, and Hironori Michihisa. Asymptotic expansions of solutions of fractional diffusion equations. *SIAM Journal on Mathematical Analysis*, 49(3):2167–2190, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

- [IKS12] **Ioannidis:2012:WPM**
 Andreas D. Ioannidis, Gerhard Kristensson, and Ioannis G. Stratis. On the well-posedness of the Maxwell system for linear bianisotropic media. *SIAM Journal on Mathematical Analysis*, 44(4):2459–2473, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Ilm16] **Ilmavirta:2016:CQT**
 Joonas Ilmavirta. Coherent quantum tomography. *SIAM Journal on Mathematical Analysis*, 48(5):3039–3064, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [ILN11] **Iida:2011:SFC**
 Masato Iida, Roger Lui, and Hirokazu Ninomiya. Stacked fronts for cooperative systems with equal diffusion coefficients. *SIAM Journal on Mathematical Analysis*, 43(3):1369–1389, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v43/i3/p1369_s1.
- [ILP16] **Isaza:2016:PRS**
 Pedro Isaza, Felipe Linares, and Gustavo Ponce. On the propagation of regularity of solutions of the Kadomtsev–Petviashvili equation. *SIAM Journal on Mathematical Analysis*, 48(2):1006–1024, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [ILR17] **Ianni:2017:CPB**
 Isabella Ianni, Stefan Le Coz, and Julien Royer. On the Cauchy problem and the black solitons of a singularly perturbed Gross–Pitaevskii equation. *SIAM Journal on Mathematical Analysis*, 49(2):1060–1099, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [ILW16] **Isakov:2016:ISC**
 Victor Isakov, Ru-Yu Lai, and Jenn-Nan Wang. Increasing stability for the conductivity and attenuation coefficients. *SIAM Journal on Mathematical Analysis*, 48(1):569–594, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [IM10] **Ibrahim:2010:RCP**
 H. Ibrahim and R. Monneau. On the rate of convergence in periodic homogenization of scalar first-order ordinary differential equations. *SIAM Journal on Mathematical Analysis*, 42(5):2155–2176, 2010. CODEN SJMAAH. ISSN 0036-

- 1410 (print), 1095-7154 (electronic).
- [IN13] M. I. Isaev and R. G. Novikov. New global stability estimates for monochromatic inverse acoustic scattering. *SIAM Journal on Mathematical Analysis*, 45(3): 1495–1504, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [INRZ10] Gautam Iyer, Alexei Novikov, Lenya Ryzhik, and Andrej Zlatoš. Exit times of diffusions with incompressible drift. *SIAM Journal on Mathematical Analysis*, 42(6): 2484–2498, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [INSZ14] Radu Ignat, Luc Nguyen, Valeriy Slastikov, and Arghir Zarnescu. Uniqueness results for an ODE related to a generalized Ginzburg–Landau model for liquid crystals. *SIAM Journal on Mathematical Analysis*, 46(5):3390–3425, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [IO16] Tadeusz Iwaniec and Jani Onninen. Smoothing defected welds and hairline cracks. *SIAM Journal on Mathematical Analysis*, 48(1): 281–301, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [IS13] Naoyuki Ichihara and Shuenn-Jyi Sheu. Large time behavior of solutions of Hamilton–Jacobi–Bellman equations with quadratic nonlinearity in gradients. *SIAM Journal on Mathematical Analysis*, 45(1): 279–306, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [IT15] J. Inglis and D. Talay. Mean-field limit of a stochastic particle system smoothly interacting through threshold hitting-times and applications to neural networks with dendritic component. *SIAM Journal on Mathematical Analysis*, 47(5):3884–3916, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [IY12] O. Yu. Imanuvilov and M. Yamamoto. Inverse boundary

- value problem for Schrödinger equation in two dimensions. *SIAM Journal on Mathematical Analysis*, 44(3):1333–1339, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [JJ18]
- [JH18] Yang Jiaqi and Yin Huicheng. On the steady non-Newtonian fluids in domains with non-compact boundaries. *SIAM Journal on Mathematical Analysis*, 50(1):283–338, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). **Jiaqi:2018:SNN**
- [JHN12] Carlos Jerez-Hanckes and Jean-Claude Nédélec. Explicit variational forms for the inverses of integral logarithmic operators over an interval. *SIAM Journal on Mathematical Analysis*, 44(4):2666–2694, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). **Jerez-Hanckes:2012:EVF**
- [Jia12] Jin-Cheng Jiang. Smoothing property of the gain term of the Boltzmann collision operator. *SIAM Journal on Mathematical Analysis*, 44(3):1522–1543, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). **Jiang:2012:SPG**
- [JJ18] Fei Jiang and Song Jiang. On the stabilizing effect of the magnetic fields in the magnetic Rayleigh–Taylor problem. *SIAM Journal on Mathematical Analysis*, 50(1):491–540, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). **Jiang:2018:SEM**
- [JJL10] Song Jiang, Qiangchang Ju, and Fucui Li. Incompressible limit of the compressible magnetohydrodynamic equations with vanishing viscosity coefficients. *SIAM Journal on Mathematical Analysis*, 42(6):2539–2553, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). **Jiang:2010:ILC**
- [JJL16] Song Jiang, Qiangchang Ju, and Fucui Li. Incompressible limit of the nonisentropic ideal magnetohydrodynamic equations. *SIAM Journal on Mathematical Analysis*, 48(1):302–319, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). **Jiang:2016:ILN**
- [JJN13] Didier Jesslé, Bum Ja Jin, and Antonín Novotný. Navier–Stokes–Fourier system on unbounded domains: Weak solu- **Jessle:2013:NSF**

- tions, relative entropies, weak-strong uniqueness. *SIAM Journal on Mathematical Analysis*, 45(3):1907–1951, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [JK10] Helge Kristian Jenssen and Trygve Klovning Karper. One-dimensional compressible flow with temperature dependent transport coefficients. *SIAM Journal on Mathematical Analysis*, 42(2):904–930, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [JLL13] Qiangchang Ju, Fucai Li, and Yong Li. Asymptotic limits of the full compressible magnetohydrodynamic equations. *SIAM Journal on Mathematical Analysis*, 45(5):2597–2624, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [JLX15] Song Jiang, Fucai Li, and Feng Xie. Nonrelativistic limit of the compressible Navier–Stokes–Fourier–P1 approximation model arising in radiation hydrodynamics. *SIAM Journal on Mathematical Analysis*, 47(5):3726–3746, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [JM12] Juhi Jang and Nader Masmoudi. Derivation of Ohm’s Law from the kinetic equations. *SIAM Journal on Mathematical Analysis*, 44(5):3649–3669, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [JMNR11] Willi Jäger, Andro Mikelić, and Maria Neuss-Radu. Homogenization limit of a model system for interaction of flow, chemical reactions, and mechanics in cell tissues. *SIAM Journal on Mathematical Analysis*, 43(3):1390–1435, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v43/i3/p1390_s1.
- [JMWZ14] Quansen Jiu, Changxing Miao, Jiahong Wu, and Zhifei Zhang. The two-dimensional incompressible Boussinesq equations with general critical dissipation. *SIAM Journal on Mathematical Analysis*, 46(5):3426–3454, 2014. CODEN SJMAAH. ISSN 0036-

- 1410 (print), 1095-7154 (electronic).
- [JMZ18] Ansgar Jüngel, Jirí Mikyska, and Nicola Zamponi. Existence analysis of a single-phase flow mixture with van der Waals pressure. *SIAM Journal on Mathematical Analysis*, 50(1):1367–1395, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Joh13] Mathew A. Johnson. Stability of small periodic waves in fractional KdV-type equations. *SIAM Journal on Mathematical Analysis*, 45(5):3168–3193, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [JS13a] Hao Jia and Vladimír Sverák. Minimal L^3 -initial data for potential Navier–Stokes singularities. *SIAM Journal on Mathematical Analysis*, 45(3):1448–1459, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [JS13b] Ansgar Jüngel and Ines Viktoria Stelzer. Existence analysis of Maxwell–Stefan systems for multicomponent mixtures. *SIAM Journal on Mathematical Analysis*, 45(4):2421–2440, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [JS14] Martin Jesenko and Bernd Schmidt. Closure and commutability results for Γ -limits and the geometric linearization and homogenization of multiwell energy functionals. *SIAM Journal on Mathematical Analysis*, 46(4):2525–2553, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [JT13] Chang-Yeol Jung and Roger Temam. Singular perturbations and boundary layer theory for convection-diffusion equations in a circle: The generic noncompatible case. *SIAM Journal on Mathematical Analysis*, 44(6):4274–4296, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [JTW16] Juhi Jang, Ian Tice, and Yanjin Wang. The compressible viscous surface-internal wave problem: Local well-posedness. *SIAM Journal on Mathematical Analysis*, 48(4):2602–2673, 2016. CO-

- DEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [JX15]
- Jungel:2010:GWS**
- [Jün10] Ansgar Jüngel. Global weak solutions to compressible Navier–Stokes equations for quantum fluids. *SIAM Journal on Mathematical Analysis*, 42(3):1025–1045, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Junca:2014:HFV**
- [Jun14] Stéphane Junca. High frequency waves and the maximal smoothing effect for nonlinear scalar conservation laws. *SIAM Journal on Mathematical Analysis*, 46(3):2160–2184, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [JZ10]
- Jiu:2013:VBA**
- [JWX13] Quansen Jiu, Yi Wang, and Zhouping Xin. Vacuum behaviors around rarefaction waves to 1D compressible Navier–Stokes equations with density-dependent viscosity. *SIAM Journal on Mathematical Analysis*, 45(5):3194–3228, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [JZN11]
- Jiang:2015:DLB**
- Ning Jiang and Linjie Xiong. Diffusive limit of the Boltzmann equation with fluid initial layer in the periodic domain. *SIAM Journal on Mathematical Analysis*, 47(3):1747–1777, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Jiang:2016:HLK**
- [JXZ16] Ning Jiang, Linjie Xiong, and Teng-Fei Zhang. Hydrodynamic limits of the kinetic self-organized models. *SIAM Journal on Mathematical Analysis*, 48(5):3383–3411, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Johnson:2010:TIP**
- Mathew A. Johnson and Kevin Zumbrun. Transverse instability of periodic traveling waves in the generalized Kadomtsev–Petviashvili equation. *SIAM Journal on Mathematical Analysis*, 42(6):2681–2702, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Johnson:2011:NSV**
- Mathew A. Johnson, Kevin Zumbrun, and Pascal Noble. Nonlinear stability of viscous roll waves. *SIAM Journal on*

- Mathematical Analysis*, 43(2): 577–611, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v43/i2/p577_s1. [Kal12]
- Kachmar:2014:GLO**
- [Kac14] Ayman Kachmar. The Ginzburg–Landau order parameter near the second critical field. *SIAM Journal on Mathematical Analysis*, 46(1): 572–587, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [Kar12]
- Kaiser:2010:GDP**
- [Kai10] Ralf Kaiser. The geometric direction problem: The two-dimensional and the three-dimensional axisymmetric cases. *SIAM Journal on Mathematical Analysis*, 42(2): 701–728, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [Kar16]
- Kaib:2017:SSA**
- [Kai17] Gunnar Kaib. Stationary states of an aggregation equation with degenerate diffusion and bounded attractive potential. *SIAM Journal on Mathematical Analysis*, 49(1): 272–296, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [Kha13]
- Kalvin:2012:LAP**
- Victor Kalvin. Limiting absorption principle and perfectly matched layer method for Dirichlet Laplacians in quasi-cylindrical domains. *SIAM Journal on Mathematical Analysis*, 44(1):355–382, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v44/i1/p355_s1.
- Karatson:2012:CMI**
- János Karátson. Characterizing mesh independent quadratic convergence of Newton’s method for a class of elliptic problems. *SIAM Journal on Mathematical Analysis*, 44(3):1279–1303, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Karakhanyan:2016:IPR**
- Aram L. Karakhanyan. An inverse problem for the refractive surfaces with parallel lighting. *SIAM Journal on Mathematical Analysis*, 48(1): 740–784, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Khapalov:2013:MSD**
- Alexander Y. Khapalov. Micromotions of a swimmer in the 3-D incompressible fluid

- governed by the nonstationary Stokes equation. *SIAM Journal on Mathematical Analysis*, 45(6):3360–3381, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [KK10]
- [Kia16] **Kian:2016:RTD**
Yavar Kian. Recovery of time-dependent damping coefficients and potentials appearing in wave equations from partial data. *SIAM Journal on Mathematical Analysis*, 48(6):4021–4046, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Kim09] **Kim:2009:LFL**
Namkwon Kim. Large friction limit and the inviscid limit of 2D Navier–Stokes equations under Navier friction condition. *SIAM Journal on Mathematical Analysis*, 41(4):1653–1663, 2009. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). See corrigendum [Kim13]. [KK15]
- [Kim13] **Kim:2013:CLF**
Namkwon Kim. Corrigendum: Large Friction Limit and the Inviscid Limit of 2D Navier–Stokes Equations under Navier Friction Condition. *SIAM Journal on Mathematical Analysis*, 45(3):1992–1994, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). See [Kim09].
- Komech:2010:GAS**
Alexander Komech and Andrew Komech. Global attraction to solitary waves for a nonlinear Dirac equation with mean field interaction. *SIAM Journal on Mathematical Analysis*, 42(6):2944–2964, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v42/i6/p2944_s1.
- Kim:2015:WSE**
Hyunseok Kim and YoungHeon Kim. On weak solutions of elliptic equations with singular drifts. *SIAM Journal on Mathematical Analysis*, 47(2):1271–1290, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Kreisbeck:2016:HTF**
Carolin Kreisbeck and Stefan Krömer. Heterogeneous thin films: Combining homogenization and dimension reduction with directors. *SIAM Journal on Mathematical Analysis*, 48(2):785–820, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

- [KK17a] **Kang:2017:EWS**
 Kyungkeun Kang and Hwa Kil Kim. Existence of weak solutions in Wasserstein space for a chemotaxis model coupled to fluid equations. *SIAM Journal on Mathematical Analysis*, 49(4):2965–3004, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [KK17b] **Kwon:2017:IJR**
 Oh Sung Kwon and Jae Ryong Kweon. Interior jump and regularity of compressible viscous Navier–Stokes flows through a cut. *SIAM Journal on Mathematical Analysis*, 49(3):1982–2008, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [KK18] **Komech:2018:OSG**
 A. Komech and E. Kopylova. On orbital stability of ground states for finite crystals in fermionic Schrödinger–Poisson model. *SIAM Journal on Mathematical Analysis*, 50(1):64–85, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [KKT17] **Klar:2017:TED**
 Axel Klar, Lisa Kreusser, and Oliver Tse. Trend to equilibrium for a delay Vlasov–Fokker–Planck equation and explicit decay estimates. *SIAM Journal on Mathematical Analysis*, 49(4):3277–3298, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [KLL12] **Kutyniok:2012:OSA**
 Gitta Kutyniok, Jakob Lemvig, and Wang-Q Lim. Optimally sparse approximations of 3D functions by compactly supported shearlet frames. *SIAM Journal on Mathematical Analysis*, 44(4):2962–3017, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [KLO10] **Kolehmainen:2010:CIP**
 Ville Kolehmainen, Matti Lassas, and Petri Ola. Calderón’s inverse problem with an imperfectly known boundary and reconstruction up to a conformal deformation. *SIAM Journal on Mathematical Analysis*, 42(3):1371–1381, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [KLO16] **Keller:2016:NPS**
 Johannes Keller, Caroline Lasser, and Tomoki Ohsawa. A new phase space density for quantum expectations. *SIAM Journal on Mathematical Analysis*, 48(1):513–537, 2016. CO-

- DEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [KM13]
- [KLS11] **Krupchyk:2011:DEH**
Katsiaryna Krupchyk, Matti Lassas, and Samuli Siltanen. Determining electrical and heat transfer parameters using coupled boundary measurements. *SIAM Journal on Mathematical Analysis*, 43(5):2096–2115, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v43/i5/p2096_s1. [KM17]
- [KLS15] **Kuan:2015:EMA**
Rulin Kuan, Yi-Hsuan Lin, and Mourad Sini. The enclosure method for the anisotropic Maxwell system. *SIAM Journal on Mathematical Analysis*, 47(5):3488–3527, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [KMM11]
- [KLW17] **Kavallaris:2017:DNP**
Nikos I. Kavallaris, Johannes Lankeit, and Michael Winkler. On a degenerate nonlocal parabolic problem describing infinite dimensional replicator dynamics. *SIAM Journal on Mathematical Analysis*, 49(2):954–983, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [KMS15]
- Kamotski:2013:LWW**
I. V. Kamotski and V. G. Maz'ya. On the linear water wave problem in the presence of a critically submerged body. *SIAM Journal on Mathematical Analysis*, 44(6):4222–4249, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Kappeler:2017:WPD**
Thomas Kappeler and Jan-Cornelius Molnar. On the well-posedness of the defocusing mKdV equation below L^2 . *SIAM Journal on Mathematical Analysis*, 49(3):2191–2219, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Kurzke:2011:VML**
Matthias Kurzke, Christof Melcher, and Roger Moser. Vortex motion for the Landau–Lifshitz–Gilbert equation with spin-transfer torque. *SIAM Journal on Mathematical Analysis*, 43(3):1099–1121, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v43/i3/p1099_s1.
- Kroner:2015:TFB**
Dietmar Kröner, Thomas Müller, and Lena Maria

- Strehlau. Traces for functions of bounded variation on manifolds with applications to conservation laws on manifolds with boundary. *SIAM Journal on Mathematical Analysis*, 47(5):3944–3962, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [KNR12]
- [KMS17] Matthias Kurzke, Jeremy L. Marzuola, and Daniel Spirn. Gross–Pitaevskii vortex motion with critically scaled inhomogeneities. *SIAM Journal on Mathematical Analysis*, 49(1):471–500, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). **Kurzke:2017:GPV**
- [KMT13] Trygve K. Karper, Antoine Mellet, and Konstantina Trivisa. Existence of weak solutions to kinetic flocking models. *SIAM Journal on Mathematical Analysis*, 45(1):215–243, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [KNW15]
- [Koc16] Igor Kukavica, Nader Masmoudi, Vlad Vicol, and Tak Kwong Wong. On the local well-posedness of the Prandtl and hydrostatic Euler equations with multiple monotonicity regions. *SIAM Journal on Mathematical Analysis*, 46(6):3865–3890, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). **Karper:2013:EWS**
- [Koc16] Hans Koch. Vertex order in some large constrained random graphs. *SIAM Journal on Mathematical Analysis*, 48(4):2588–2601, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). **Koch:2016:VOS**
- [Koc16] Felix Kraemer, Deanna Needell, and Rachel Ward. Compressive sensing with redundant dictionaries and structured measurements. *SIAM Journal on Mathematical Analysis*, 47(6):4606–4629, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). **Krahmer:2015:CSR**
- [Koc16] M. D. Korzec, P. Nayar, and P. Rybka. Global weak solutions to a sixth order Cahn–Hilliard type equation. *SIAM Journal on Mathematical Analysis*, 44(5):3369–3387, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). **Korzec:2012:GWS**

- [Kol11] **Kollar:2011:HMN**
Richard Kollár. Homotopy method for nonlinear eigenvalue pencils with applications. *SIAM Journal on Mathematical Analysis*, 43(2):612–633, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v43/i2/p612_s1.
- [KPR15] **Komech:2015:CGS**
A. I. Komech. On the crystal ground state in the Schrödinger–Poisson model. *SIAM Journal on Mathematical Analysis*, 47(2):1001–1021, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Kot12] **Kotschote:2012:DCN**
Matthias Kotschote. Dynamics of compressible non-isothermal fluids of non-Newtonian Korteweg type. *SIAM Journal on Mathematical Analysis*, 44(1):74–101, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v44/i1/p74_s1.
- [KP13] **Kroo:2013:SMP**
András Kroó and Allan Pinkus. On stability of the metric projection operator. *SIAM Journal on Mathematical Analysis*, 45(2):639–661, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [KPR15] **Khusainov:2015:SME**
Denys Khusainov, Michael Pokojovy, and Reinhard Racke. Strong and mild extrapolated L^2 -solutions to the heat equation with constant delay. *SIAM Journal on Mathematical Analysis*, 47(1):427–454, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [KR10] **Klouček:2010:TFB**
Petr Klouček and Michel V. Romero. Tracking free boundaries in fluids using a variational principle. *SIAM Journal on Mathematical Analysis*, 42(4):1519–1538, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [KRW15] **Koumatos:2015:DIY**
Konstantinos Koumatos, Filip Rindler, and Emil Wiedemann. Differential inclusions and Young measures involving prescribed Jacobians. *SIAM Journal on Mathematical Analysis*, 47(2):1169–1195, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

- [Kry10] **Krylov:2010:DFS**
 N. V. Krylov. On divergence form SPDEs with growing coefficients in W_2^1 spaces without weights. *SIAM Journal on Mathematical Analysis*, 42(2):609–633, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Kry13] **Krylov:2013:EET**
 N. V. Krylov. An ersatz existence theorem for fully nonlinear parabolic equations without convexity assumptions. *SIAM Journal on Mathematical Analysis*, 45(6):3331–3359, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Kry14] **Krylov:2014:HTP**
 N. V. Krylov. Hörmander’s theorem for parabolic equations with coefficients measurable in the time variable. *SIAM Journal on Mathematical Analysis*, 46(1):854–870, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [KS14] **Kar:2014:RIE**
 Manas Kar and Mourad Sini. Reconstruction of interfaces from the elastic farfield measurements using CGO solutions. *SIAM Journal on Mathematical Analysis*, 46(4):2650–2691, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [KSW13] **Kolb:2013:NED**
 Martin Kolb, Mladen Savov, and Achim Wübker. (non-)ergodicity of a degenerate diffusion modeling the fiber lay down process. *SIAM Journal on Mathematical Analysis*, 45(1):1–13, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [KT11] **Kondo:2011:IBV**
 Shintaro Kondo and Atusi Tani. Initial boundary value problem for model equations of resistive drift wave turbulence. *SIAM Journal on Mathematical Analysis*, 43(2):925–943, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v43/i2/p925_s1.
- [KT13] **Kim:2013:CPF**
 Sungwhan Kim and Alexandru Tamasan. On a Calderón problem in frequency differential electrical impedance tomography. *SIAM Journal on Mathematical Analysis*, 45(5):2700–2709, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

- [KT17] **Kim:2017:DSS**
Chanwoo Kim and Ian Tice. Dynamics and stability of surface waves with surfactants. *SIAM Journal on Mathematical Analysis*, 49(2):1295–1332, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Kut15] **Kuto:2015:LSS**
Kousuke Kuto. Limiting structure of shrinking solutions to the stationary Shigesada–Kawasaki–Teramoto model with large cross-diffusion. *SIAM Journal on Mathematical Analysis*, 47(5):3993–4024, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [KUV16] **Kondratyev:2016:BVB**
Stanislav Kondratyev, José Miguel Urbano, and Dmitry Vorotnikov. On the bulk velocity of Brownian ratchets. *SIAM Journal on Mathematical Analysis*, 48(2):950–980, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Kaliuzhnyi-Verbovetskyi:2017:SHE]
Dmitry Kaliuzhnyi-Verbovetskyi and Georgi S. Medvedev. The semilinear heat equation on sparse random graphs. *SIAM Journal on Mathematical Analysis*, 49(2):1333–1355, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [KW11] **Krahmer:2011:NIJ**
Felix Krahmer and Rachel Ward. New and improved Johnson–Lindenstrauss embeddings via the restricted isometry property. *SIAM Journal on Mathematical Analysis*, 43(3):1269–1281, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v43/i3/p1269_s1.
- [KW12] **Kitagawa:2012:ROT**
Jun Kitagawa and Micah Warren. Regularity for the optimal transportation problem with Euclidean distance squared cost on the embedded sphere. *SIAM Journal on Mathematical Analysis*, 44(4):2871–2887, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Kwe12] **Kweon:2012:CSD**
Jae Ryong Kweon. Corner singularity dynamics and regularity of compressible viscous Navier–Stokes flows. *SIAM Journal on Mathematical Analysis*, 44(5):3127–3161, 2012. CODEN SJMAAH. ISSN 0036-

- 1410 (print), 1095-7154 (electronic).
- [KY12a] **Kim:2012:BEN**
Chanwoo Kim and Seok-Bae Yun. The Boltzmann equation near a rotational local Maxwellian. *SIAM Journal on Mathematical Analysis*, 44(4): 2560–2598, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [KY12b] **Kim:2012:PKS**
Inwon Kim and Yao Yao. The Patlak–Keller–Segel model and its variations: Properties of solutions via maximum principle. *SIAM Journal on Mathematical Analysis*, 44(2): 568–602, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v44/i2/p568_s1.
- [KY15] **Kim:2015:CII**
Seonghak Kim and Baisheng Yan. Convex integration and infinitely many weak solutions to the Perona–Malik equation in all dimensions. *SIAM Journal on Mathematical Analysis*, 47(4):2770–2794, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [KZ11] **Kawano:2011:UNR**
A. Kawano and A. Zine. Uniqueness and nonunique-
- ness results for a certain class of almost periodic distributions. *SIAM Journal on Mathematical Analysis*, 43(1): 135–152, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v43/i1/p135_s1.
- [LAI14] **Loy:2014:IRC**
R. J. Loy and R. S. Andersen. Interconversion relationships for completely monotone functions. *SIAM Journal on Mathematical Analysis*, 46(3): 2008–2032, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Lac15] **Lacave:2015:UTD**
Christophe Lacave. Uniqueness for two-dimensional incompressible ideal flow on singular domains. *SIAM Journal on Mathematical Analysis*, 47(2):1615–1664, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Lai14] **Lai:2014:RPS**
Geng Lai. On the Riemann problem for a scalar Zeldovich–von Neumann–Döring combustion model. *SIAM Journal on Mathematical Analysis*, 46(4):2404–2443, 2014. CODEN SJMAAH. ISSN 0036-

1410 (print), 1095-7154 (electronic).

Lam:2012:LPS

- [Lam12] King-Yeung Lam. Limiting profiles of semilinear elliptic equations with large advection in population dynamics II. *SIAM Journal on Mathematical Analysis*, 44(3):1808–1830, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Laurent:2010:GCS

- [Lau10] Camille Laurent. Global controllability and stabilization for the nonlinear Schrödinger equation on some compact manifolds of dimension 3. *SIAM Journal on Mathematical Analysis*, 42(2):785–832, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

LeBlanc:2013:PGR

- [Le 13] Valérie Le Blanc. Persistence of generalized roll-waves under viscous perturbation. *SIAM Journal on Mathematical Analysis*, 45(2):572–599, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Le:2010:COK

- [Le10] Nam Q. Le. On the convergence of the Ohta–Kawasaki

equation to motion by non-local Mullins–Sekerka law. *SIAM Journal on Mathematical Analysis*, 42(4):1602–1638, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Lee:2010:NCN

- [Lee10] Paul W. Y. Lee. New computable necessary conditions for the regularity theory of optimal transportation. *SIAM Journal on Mathematical Analysis*, 42(6):3054–3075, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v42/i6/p3054_s1.

Lee:2016:DCP

- [Lee16] Minjae Lee. Dirac cones for point scatterers on a honeycomb lattice. *SIAM Journal on Mathematical Analysis*, 48(2):1459–1488, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Lee:2017:UEV

- [Lee17] Donghyun Lee. Uniform estimate of viscous free-boundary magnetohydrodynamics with zero vacuum magnetic field. *SIAM Journal on Mathematical Analysis*, 49(4):2710–2789, 2017. CODEN SJMAAH. ISSN 0036-

1410 (print), 1095-7154 (electronic).

Lei:2010:CEC

[Lei10]

Guang-Tsai Lei. Characterization of electromagnetic cavity resonators by integral identities. *SIAM Journal on Mathematical Analysis*, 42(2): 634–645, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Lei:2013:QAS

[Lei13]

Yutian Lei. Qualitative analysis for the static Hartree-type equations. *SIAM Journal on Mathematical Analysis*, 45(1): 388–406, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Leitmeyer:2016:ECP

[Lei16]

Keith Leitmeyer. Enstrophy cascade in physical scales for the three-dimensional Navier–Stokes equations. *SIAM Journal on Mathematical Analysis*, 48(1):166–173, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Lengeler:2014:WSI

[Len14]

Daniel Lengeler. Weak solutions for an incompressible, generalized Newtonian fluid interacting with a linearly elastic Koiter type Shell. *SIAM Journal on Mathematical Analysis*, 46(4):2614–

2649, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Lenells:2016:NSD

[Len16]

Jonatan Lenells. The nonlinear steepest descent method: Asymptotics for initial-boundary value problems. *SIAM Journal on Mathematical Analysis*, 48(3): 2076–2118, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Lequeurre:2011:ESS

[Leq11]

Julien Lequeurre. Existence of strong solutions to a fluid-structure system. *SIAM Journal on Mathematical Analysis*, 43(1):389–410, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v43/i1/p389_s1.

Li:2009:MEF

[Li09]

Bo Li. Minimization of electrostatic free energy and the Poisson–Boltzmann equation for molecular solvation with implicit solvent. *SIAM Journal on Mathematical Analysis*, 40(6):2536–2566, 2009. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). See erratum [Li11].

- [Li11] Bo Li. Erratum: “Minimization of Electrostatic Free Energy and the Poisson–Boltzmann Equation for Molecular Solvation with Implicit Solvent”. *SIAM Journal on Mathematical Analysis*, 43(6):2776–2777, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v43/i6/p2776_s1. See [Li09].
- [Li:2011:EME]
- [Lit13] Friedrich Littmann. Quadrature and extremal bandlimited functions. *SIAM Journal on Mathematical Analysis*, 45(2):732–747, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [LJ17] Jean-Philippe Lessard and J. D. Mireles James. Computer assisted Fourier analysis in sequence spaces of varying regularity. *SIAM Journal on Mathematical Analysis*, 49(1):530–561, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Li:2011:RSP]
- [LL11] Y. Charles Li and Zhiwu Lin. A resolution of the Sommerfeld paradox. *SIAM Journal on Mathematical Analysis*, 43(4):1923–1954, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v43/i4/p1923_s1.
- [LL12] Paul W. Y. Lee and Jiayong Li. New examples satisfying Ma–Trudinger–Wang conditions. *SIAM Journal on Mathematical Analysis*, 44(1):61–73, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v44/i1/p61_s1.
- [LL16a] Evgeny Lakshtanov and Armin Lechleiter. Difference factorizations and monotonicity in inverse medium scattering for contrasts with fixed sign on the boundary. *SIAM Journal on Mathematical Analysis*, 48(6):3688–3707, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [LL16b] Hongjie Li and Hongyu Liu. On anomalous localized resonance for the elastostatic system. *SIAM Journal on Mathematical Analysis*, 48(5):3322–3344, 2016. CO-
- [Lee:2012:NES]
- [Lakshtanov:2016:DFM]
- [Li:2016:ALR]

- [LLM14] DEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
Lin:2014:ESN
 Chi-Kun Lin, Chi-Tien Lin, Yanping Lin, and Ming Mei. Exponential stability of non-monotone traveling waves for Nicholson’s blowflies equation. *SIAM Journal on Mathematical Analysis*, 46(2): 1053–1084, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [LLP16] Levermore:2016:GDB
 C. David Levermore, Hailiang Liu, and Robert L. Pego. Global dynamics of Bose-Einstein condensation for a model of the Kompaneets equation. *SIAM Journal on Mathematical Analysis*, 48(4): 2454–2494, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [LLW15] Lin:2015:GFE
 Junyu Lin, Baishun Lai, and Changyou Wang. Global finite energy weak solutions to the compressible nematic liquid crystal flow in dimension three. *SIAM Journal on Mathematical Analysis*, 47(4): 2952–2983, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [LLW17] Lai:2017:FSS
 Baishun Lai, Junyu Lin, and Changyou Wang. Forward self-similar solutions to the viscoelastic Navier–Stokes equation with damping. *SIAM Journal on Mathematical Analysis*, 49(1):501–529, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [LM11] Lecureux-Mercier:2011:GSS
 Magali Lécureux-Mercier. Global smooth solutions of Euler equations for van der Waals gases. *SIAM Journal on Mathematical Analysis*, 43(2):877–903, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v43/i2/p877_s1.
- [LM14] Lecureux-Mercier:2014:PEA
 Magali Lécureux-Mercier. A priori estimates and analytical construction of radially symmetric solutions in the gas dynamics. *SIAM Journal on Mathematical Analysis*, 46(4): 2853–2883, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [LM17] Laurencot:2017:SST
 Philippe Laurençot and Bogdan Vasile Matioc. Self-similarity in a thin film muskat prob-

lem. *SIAM Journal on Mathematical Analysis*, 49(4):2790–2842, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Lukacova-Medvidova:2017:GER

[LMMNR17] Mária Lukáčová-Medvidová, Hana Mizerová, Sárka Necasová, and Michael Renardy. Global existence result for the generalized Peterlin viscoelastic model. *SIAM Journal on Mathematical Analysis*, 49(4):2950–2964, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Lattanzio:2010:SSR

[LMN⁺10] Corrado Lattanzio, Corrado Mascia, Toan Nguyen, Ramón G. Plaza, and Kevin Zumbrun. Stability of scalar radiative shock profiles. *SIAM Journal on Mathematical Analysis*, 41(6):2165–2206, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Lattanzio:2011:MBC

[LMP11] Corrado Lattanzio, Amelio Maurizi, and Benedetto Piccoli. Moving bottlenecks in car traffic flow: a PDE–ODE coupled model. *SIAM Journal on Mathematical Analysis*, 43(1):50–67, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (elec-

tronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v43/i1/p50_s1.

Lemou:2013:SGS

[LMR13]

Mohammed Lemou, Florian Méhats, and Cyril Rigault. Stable ground states and self-similar blow-up solutions for the gravitational Vlasov–Manev system. *SIAM Journal on Mathematical Analysis*, 44(6):3928–3968, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Lawley:2015:SSI

[LMR15]

Sean D. Lawley, Jonathan C. Mattingly, and Michael C. Reed. Stochastic switching in infinite dimensions with applications to random parabolic PDE. *SIAM Journal on Mathematical Analysis*, 47(4):3035–3063, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Liero:2016:OTC

[LMS16]

Matthias Liero, Alexander Mielke, and Giuseppe Savaré. Optimal transport in competition with reaction: The Hellinger–Kantorovich distance and geodesic curves. *SIAM Journal on Mathematical Analysis*, 48(4):2869–2911, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

- [LMTT15] Laul:2015:LEE Parul Laul, Jason Metcalfe, Shreyas Tikare, and Mihai Tohaneanu. Localized energy estimates for wave equations on $(1 + 4)$ -dimensional Myers–Perry space-times. *SIAM Journal on Mathematical Analysis*, 47(3):1933–1957, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [LMZZ18] Li:2018:SHM Jingyu Li, Ming Mei, Guojing Zhang, and Kaijun Zhang. Steady hydrodynamic model of semiconductors with sonic boundary: (II) supersonic doping profile. *SIAM Journal on Mathematical Analysis*, 50(1):718–734, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [LMW17] Li:2017:SSC [LN10] Fucui Li, Yanmin Mu, and Dehua Wang. Strong solutions to the compressible Navier–Stokes–Vlasov–Fokker–Planck equations: Global existence near the equilibrium and large time behavior. *SIAM Journal on Mathematical Analysis*, 49(2):984–1026, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [LNZ14] Lin:2010:UCP Ching-Lung Lin and Gen Nakamura. Unique continuation property for a coupled second-fourth order dynamical system and its application. *SIAM Journal on Mathematical Analysis*, 42(5):2318–2336, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [LMZZ17] Lu:2014:ESS Nan Lu, Andrea R. Nahmod, and Chongchun Zeng. Equivariante and self-similar standing waves for a Hamiltonian hyperbolic-hyperbolic spin-field system. *SIAM Journal on Mathematical Analysis*, 46(6):3913–3956, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Lóp12] Lopez:2012:BCW Rafael López. Bifurcation of cylinders for wetting and

- dewetting models with striped geometry. *SIAM Journal on Mathematical Analysis*, 44(2): 946–965, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [LPS10]
- [LP14] Alfredo Lorenzi and Viatcheslav Priimenko. Direct problems for poroelastic waves with fractional derivatives. *SIAM Journal on Mathematical Analysis*, 46(3):1874–1892, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [LPS13]
- [LP16] Huimin Liu and Xueke Pu. Long wavelength limit for the quantum Euler–Poisson equation. *SIAM Journal on Mathematical Analysis*, 48(4): 2345–2381, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [LR11]
- [LPR12] Thomas Lepoutre, Michel Pierre, and Guillaume Roland. Global well-posedness of a conservative relaxed cross diffusion system. *SIAM Journal on Mathematical Analysis*, 44(3):1674–1693, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [LR13]
- Liu:2010:WBO**
Yue Liu, Dmitry Pelinovsky, and Anton Sakovich. Wave breaking in the Ostrovsky–Hunter equation. *SIAM Journal on Mathematical Analysis*, 42(5):1967–1985, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Linares:2013:WPS**
Felipe Linares, Didier Pilod, and Jean-Claude Saut. Well-posedness of strongly dispersive two-dimensional surface wave Boussinesq systems. *SIAM Journal on Mathematical Analysis*, 44(6): 4195–4221, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Li:2011:ODN**
Dong Li and José L. Rodrigo. On a one-dimensional nonlocal flux with fractional dissipation. *SIAM Journal on Mathematical Analysis*, 43(1): 507–526, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v43/i1/p507_s1.
- Lewin:2013:DPP**
Mathieu Lewin and Nicolas Rougerie. Derivation of Pekar’s polarons from a microscopic model of quantum

- crystal. *SIAM Journal on Mathematical Analysis*, 45(3): 1267–1301, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [LS10]
- [LR15a] **Lechleiter:2015:IOD**
Armin Lechleiter and Marcel Rennoch. Inside-outside duality and the determination of electromagnetic interior transmission eigenvalues. *SIAM Journal on Mathematical Analysis*, 47(1):684–705, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [LS12a]
- [LR15b] **Lemarie–Rieusset:2015:SCT**
Pierre Gilles Lemarié-Rieusset. On some classes of time-periodic solutions for the Navier–Stokes equations in the whole space. *SIAM Journal on Mathematical Analysis*, 47(2):1022–1043, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [LR17] **Lindsey:2017:OTM**
Michael Lindsey and Yanir A. Rubinstein. Optimal transport via a Monge–Ampère optimization problem. *SIAM Journal on Mathematical Analysis*, 49(4):3073–3124, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [LS12b]
- Li:2010:GEW**
Buyang Li and Weiwei Sun. Global existence of weak solution for nonisothermal multi-component flow in porous textile media. *SIAM Journal on Mathematical Analysis*, 42(6): 3076–3102, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v42/i6/p3076_s1.
- Li:2012:GWS**
Buyang Li and Weiwei Sun. Global weak solution for a heat and sweat transport system in three-dimensional fibrous porous media with condensation/evaporation and absorption. *SIAM Journal on Mathematical Analysis*, 44(3): 1448–1473, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Liu:2012:CDP**
Hailiang Liu and Jaemin Shin. The Cauchy–Dirichlet problem for the finitely extensible nonlinear elastic dumbbell model of polymeric fluids. *SIAM Journal on Mathematical Analysis*, 44(5):3617–3648, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

- [LS13a] **Lamacz:2013:EME**
 Agnes Lamacz and Ben Schweizer. Effective Maxwell equations in a geometry with flat rings of arbitrary shape. *SIAM Journal on Mathematical Analysis*, 45(3):1460–1494, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [LS13b] **LeCrone:2013:WPS**
 Jeremy LeCrone and Gieri Simonett. On well-posedness, stability, and bifurcation for the axisymmetric surface diffusion flow. *SIAM Journal on Mathematical Analysis*, 45(5):2834–2869, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [LS13c] **Lu:2013:PMA**
 Xin Yang Lu and Dejan Slepcev. Properties of minimizers of average-distance problem via discrete approximation of measures. *SIAM Journal on Mathematical Analysis*, 45(5):3114–3131, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [LS15] **Lin:2015:SRT**
 Junshan Lin and Fadil Santosa. Scattering resonances for a two-dimensional potential well with a thick barrier. *SIAM Journal on Mathematical Analysis*, 47(2):1458–1488, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [LS16] **Lamacz:2016:NIM**
 A. Lamacz and B. Schweizer. A negative index metamaterial for Maxwell’s equations. *SIAM Journal on Mathematical Analysis*, 48(6):4155–4174, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [LS17] **Lopez:2017:STW**
 José Luis López and Juan Soler. A space-time Wigner function approach to long time Schrödinger–Poisson dynamics. *SIAM Journal on Mathematical Analysis*, 49(6):4915–4941, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [LS18] **Leslie:2018:CIE**
 Trevor M. Leslie and Roman Shvydkoy. Conditions implying energy equality for weak solutions of the Navier–Stokes equations. *SIAM Journal on Mathematical Analysis*, 50(1):870–890, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

- [LST12] **Levermore:2012:LMN** [LT13] C. David Levermore, Weiran Sun, and Konstantina Trivisa. A low Mach number limit of a dispersive Navier–Stokes system. *SIAM Journal on Mathematical Analysis*, 44(3): 1760–1807, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [LSW17] **Lu:2017:GAT** [LT17] Yulong Lu, Andrew Stuart, and Hendrik Weber. Gaussian approximations for transition paths in Brownian dynamics. *SIAM Journal on Mathematical Analysis*, 49(4): 3005–3047, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [LT11] **Liu:2011:GUS** [LTV17] Shitao Liu and Roberto Triggiani. Global uniqueness and stability in determining the damping coefficient of an inverse hyperbolic problem with nonhomogeneous Neumann B.C. through an additional Dirichlet boundary trace. *SIAM Journal on Mathematical Analysis*, 43(4): 1631–1666, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v43/i4/p1631_s1.
- Lattanzio:2013:RED** Corrado Lattanzio and Athanasios E. Tzavaras. Relative entropy in diffusive relaxation. *SIAM Journal on Mathematical Analysis*, 45(3): 1563–1584, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Li:2017:EUW** Jinkai Li and Edriss S. Titi. Existence and uniqueness of weak solutions to viscous primitive equations for a certain class of discontinuous initial data. *SIAM Journal on Mathematical Analysis*, 49(1):1–28, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Lakshtanov:2017:UIC** Evgeny Lakshtanov, Jorge Tejero, and Boris Vainberg. Uniqueness in the inverse conductivity problem for complex-valued Lipschitz conductivities in the plane. *SIAM Journal on Mathematical Analysis*, 49(5):3766–3775, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Lou:2014:AIF** [LTW14] Yuan Lou, Youshan Tao, and Michael Winkler. Approaching the ideal free distribution

- in two-species competition models with fitness-dependent dispersal. *SIAM Journal on Mathematical Analysis*, 46(2): 1228–1262, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [LV13]
- Lu:2013:EGW**
- [Lu13] Yun-Guang Lu. Existence of global weak entropy solutions to some nonstrictly hyperbolic systems. *SIAM Journal on Mathematical Analysis*, 45(6): 3592–3610, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [LV15]
- Lancia:2010:IHF**
- [LV10] Maria Rosaria Lancia and Paola Vernole. Irregular heat flow problems. *SIAM Journal on Mathematical Analysis*, 42(4):1539–1567, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [LvR15]
- Lakshatanov:2012:EIT**
- [LV12] E. Lakshatanov and B. Vainberg. Ellipticity in the interior transmission problem in anisotropic media. *SIAM Journal on Mathematical Analysis*, 44(2):1165–1174, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [LV12]
- Li:2013:SSR**
- Xiaodong Li and Vladislav Voroninski. Sparse signal recovery from quadratic measurements via convex programming. *SIAM Journal on Mathematical Analysis*, 45(5): 3019–3033, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Lakshatanov:2015:SWL**
- E. Lakshatanov and B. Vainberg. Sharp Weyl law for signed counting function of positive interior transmission eigenvalues. *SIAM Journal on Mathematical Analysis*, 47(4): 3212–3234, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Laurencot:2015:AGS**
- Philippe Laurençot and Henry van Roessel. Absence of gelation and self-similar behavior for a coagulation-fragmentation equation. *SIAM Journal on Mathematical Analysis*, 47(3):2355–2374, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Li:2012:STF**
- Yi Li and Yaping Wu. Stability of traveling front solutions with algebraic spatial decay for some autocat-

- alytic chemical reaction systems. *SIAM Journal on Mathematical Analysis*, 44(3): 1474–1521, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [LW16a]
- [LW14a] Xiaobiao Lin and Martin Wechselberger. Transonic evaporation waves in a spherically symmetric nozzle. *SIAM Journal on Mathematical Analysis*, 46(2):1472–1504, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [LW16b]
- [LW14b] Cheng-Jie Liu and Ya-Guang Wang. Stability of boundary layers for the nonisentropic compressible circularly symmetric 2D flow. *SIAM Journal on Mathematical Analysis*, 46(1):256–309, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [LW17]
- [LW15] David Lipshutz and Ruth J. Williams. Existence, uniqueness, and stability of slowly oscillating periodic solutions for delay differential equations with nonnegativity constraints. *SIAM Journal on Mathematical Analysis*, 47(6): 4467–4535, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [LWX11]
- Irena Lasiecka and Justin T. Webster. Feedback stabilization of a fluttering panel in an inviscid subsonic potential flow. *SIAM Journal on Mathematical Analysis*, 48(3): 1848–1891, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [LW16a]
- Karl Liechty and Dong Wang. Two Lax systems for the Painlevé II equation, and two related kernels in random matrix theory. *SIAM Journal on Mathematical Analysis*, 48(5): 3618–3666, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [LW16b]
- Tai-Ping Liu and Haitao Wang. Viscous scalar rarefaction waves. *SIAM Journal on Mathematical Analysis*, 49(3): 2061–2100, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [LW17]
- Yongsheng Li, Yifei Wu, and Guixiang Xu. Low regularity global solutions for the focusing mass-critical NLS in \mathbf{R} . *SIAM Journal on*

- Mathematical Analysis*, 43(1): 322–340, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v43/i1/p322_s1. [LWZ11]
- Li:2016:GCS**
- [LWX16] Wei-Xi Li, Di Wu, and Chao-Jiang Xu. Gevrey class smoothing effect for the Prandtl equation. *SIAM Journal on Mathematical Analysis*, 48(3):1672–1726, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Lichtner:2011:SDD**
- [LWY11] M. Lichtner, M. Wolfrum, and S. Yanchuk. The spectrum of delay differential equations with large delay. *SIAM Journal on Mathematical Analysis*, 43(2):788–802, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v43/i2/p788_s1. [LWZ15]
- Li:2018:GMS**
- [LWY18] Jun Li, Ingo Witt, and Huicheng Yin. Global multidimensional shock waves of 2-dimensional and 3-dimensional unsteady potential flow equations. *SIAM Journal on Mathematical Analysis*, 50(1):933–1009, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v43/i3/p1205_s1. [LWZ11]
- Li:2011:ESU**
- Peijun Li, Haijun Wu, and Weiyang Zheng. Electromagnetic scattering by unbounded rough surfaces. *SIAM Journal on Mathematical Analysis*, 43(3):1205–1231, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v43/i3/p1205_s1.
- Lafitte:2015:HFS**
- Olivier Lafitte, Mark Williams, and Kevin Zumbrun. High-frequency stability of detonations and turning points at infinity. *SIAM Journal on Mathematical Analysis*, 47(3):1800–1878, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Lafitte:2016:BDO**
- Olivier Lafitte, Mark Williams, and Kevin Zumbrun. Block-diagonalization of ODEs in the semiclassical limit and C^ω versus C^∞ stationary phase. *SIAM Journal on Mathematical Analysis*, 48(3):1773–1797, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

- [LX16] Liu:2016:ETM Jian-Guo Liu and Xiangsheng Xu. Existence theorems for a multidimensional crystal surface model. *SIAM Journal on Mathematical Analysis*, 48(6): 3667–3687, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [LX17a] Li:2017:OEP Haigang Li and Longjuan Xu. Optimal estimates for the perfect conductivity problem with inclusions close to the boundary. *SIAM Journal on Mathematical Analysis*, 49(4): 3125–3142, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [LX17b] Liu:2017:ESP Hongyu Liu and Jingni Xiao. On electromagnetic scattering from a penetrable corner. *SIAM Journal on Mathematical Analysis*, 49(6):5207–5241, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [LX17c] Liu:2017:AVC Jian-Guo Liu and Xiangsheng Xu. Analytical validation of a continuum model for the evolution of a crystal surface in multiple space dimensions. *SIAM Journal on Mathematical Analysis*, 49(3): 2220–2245, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [LXZ13] Li:2013:GCS Hai-Liang Li, Xinying Xu, and Jianwen Zhang. Global classical solutions to 3D compressible magnetohydrodynamic equations with large oscillations and vacuum. *SIAM Journal on Mathematical Analysis*, 45(3):1356–1387, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [LYZ16] Li:2016:SSB Hai-Liang Li, Tong Yang, and Mingying Zhong. Spectrum structure and behaviors of the Vlasov–Maxwell–Boltzmann systems. *SIAM Journal on Mathematical Analysis*, 48(1): 595–669, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [LYZZ14] Liu:2014:ODC Hongxia Liu, Tong Yang, Huijiang Zhao, and Qingyang Zou. One-dimensional compressible Navier–Stokes equations with temperature dependent transport coefficients and large data. *SIAM Journal on Mathematical Analysis*, 46(3): 2185–2228, 2014. CODEN SJMAAH. ISSN 0036-

- 1410 (print), 1095-7154 (electronic).
- [LZ17] Mingjie Li and Qingtian Zhang. Generic regularity of conservative solutions to Camassa–Holm type equations. *SIAM Journal on Mathematical Analysis*, 49(4):2920–2949, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [LZ18] Yong Lu and Zhifei Zhang. Relative entropy, weak-strong uniqueness, and conditional regularity for a compressible Oldroyd–B model. *SIAM Journal on Mathematical Analysis*, 50(1):557–590, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [LZZ15] Jing Li, Jianwen Zhang, and Junning Zhao. On the global motion of viscous compressible barotropic flows subject to large external potential forces and vacuum. *SIAM Journal on Mathematical Analysis*, 47(2):1121–1153, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [LZZ17] Xing Liang, Lei Zhang, and Xiao-Qiang Zhao. The principal eigenvalue for degenerate periodic reaction-diffusion systems. *SIAM Journal on Mathematical Analysis*, 49(5):3603–3636, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Mae17] Masaya Maeda. Existence and asymptotic stability of quasi-periodic solutions of discrete NLS with potential. *SIAM Journal on Mathematical Analysis*, 49(5):3396–3426, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Mar10] Jeremy L. Marzuola. A class of stable perturbations for a minimal mass soliton in three-dimensional saturated nonlinear Schrödinger equations. *SIAM Journal on Mathematical Analysis*, 42(3):1382–1403, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Mas11] Satoshi Masaki. Energy solution to a Schrödinger–Poisson system in the two-dimensional whole space.

Li:2017:GRC**Liang:2017:PED****Lu:2018:REW****Maeda:2017:EAS****Marzuola:2010:CSP****Li:2015:GMV****Masaki:2011:ESS**

- SIAM Journal on Mathematical Analysis*, 43(6):2719–2731, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v43/i6/p2719_s1. [MC14]
- Mohammed:2016:FDL**
- [MB16] Wael W. Mohammed and Dirk Blömker. Fast diffusion limit for reaction–diffusion systems with stochastic Neumann boundary conditions. *SIAM Journal on Mathematical Analysis*, 48(5):3547–3578, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Mohammed:2013:MES**
- [MBK13] Wael W. Mohammed, Dirk Blömker, and Konrad Klepel. Modulation equation for stochastic Swift–Hohenberg equation. *SIAM Journal on Mathematical Analysis*, 45(1):14–30, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Mirrahimi:2013:SHJ**
- [MBPS13] Sepideh Mirrahimi, Guy Barles, Benoît Perthame, and Panagiotis E. Souganidis. A singular Hamilton–Jacobi equation modeling the tail problem. *SIAM Journal on Mathematical Analysis*, 44(6):4297–4319, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Mora-Corral:2014:QEC**
- Carlos Mora-Corral. Quasistatic evolution of cavities in nonlinear elasticity. *SIAM Journal on Mathematical Analysis*, 46(1):532–571, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Medvedev:2014:NHE**
- [Med14] Georgi S. Medvedev. The nonlinear heat equation on dense graphs and graph limits. *SIAM Journal on Mathematical Analysis*, 46(4):2743–2766, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Mei:2010:BAP**
- [Mei10] Ming Mei. Best asymptotic profile for hyperbolic p -system with damping. *SIAM Journal on Mathematical Analysis*, 42(1):1–23, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Melcher:2010:TFL**
- [Mel10] Christof Melcher. Thin-film limits for Landau–Lifshitz–Gilbert equations. *SIAM Journal on Mathematical Analysis*, 42(1):519–537, 2010. CODEN SJMAAH.

ISSN 0036-1410 (print), 1095-7154 (electronic).

Melenk:2012:MPC

[Mel12]

Jens Markus Melenk. Mapping properties of combined field Helmholtz boundary integral operators. *SIAM Journal on Mathematical Analysis*, 44(4):2599–2636, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Mitchener:2010:MFM

[Mit10]

W. Garrett Mitchener. Mean-field and measure-valued differential equation models for language variation and change in a spatially distributed population. *SIAM Journal on Mathematical Analysis*, 42(5):1899–1933, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Mizumachi:2011:SSF

[Miz11]

Tetsu Mizumachi. N -soliton states of the Fermi–Pasta–Ulam lattices. *SIAM Journal on Mathematical Analysis*, 43(5):2170–2210, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v43/i5/p2170_s1.

Manjunath:2014:DRD

[MJ14]

G. Manjunath and H. Jaeger. The dynamics of random

difference equations is re-modeled by closed relations. *SIAM Journal on Mathematical Analysis*, 46(1):459–483, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Mahadevan:2011:HSC

[MM11]

Rajesh Mahadevan and T. Muthukumar. Homogenization of some cheap control problems. *SIAM Journal on Mathematical Analysis*, 43(5):2211–2229, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v43/i5/p2211_s1.

Ma:2017:SLL

[MM17]

To Fu Ma and Rodrigo Nunes Monteiro. Singular limit and long-time dynamics of Bresse systems. *SIAM Journal on Mathematical Analysis*, 49(4):2468–2495, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Maekawa:2018:ISS

[MM18]

Yasunori Maekawa and Hideyuki Miura. On isomorphism for the space of solenoidal vector fields and its application to the incompressible flows. *SIAM Journal on Mathematical Analysis*, 50(1):339–353, 2018. CODEN SJMAAH. ISSN 0036-

- 1410 (print), 1095-7154 (electronic).
- [MMB11] **Mailybaev:2011:RLT**
A. A. Mailybaev, D. Marchesin, and J. Bruining. Resonance in low-temperature oxidation waves for porous media. *SIAM Journal on Mathematical Analysis*, 43(5):2230–2252, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v43/i5/p2230_s1.
- [MMP13] **Mitsoudis:2013:HEA**
D. A. Mitsoudis, Ch. Makridakis, and M. Plexousakis. Helmholtz equation with artificial boundary conditions in a two-dimensional waveguide. *SIAM Journal on Mathematical Analysis*, 44(6):4320–4344, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [MN12] **Muratov:2012:GEC**
C. B. Muratov and M. Novaga. Global exponential convergence to variational traveling waves in cylinders. *SIAM Journal on Mathematical Analysis*, 44(1):293–315, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v44/i1/p293_s1.
- [MN16] **Mucci:2016:LGE**
Domenico Mucci and Lorenzo Nicolodi. On the Landau-de Gennes elastic energy of constrained biaxial nematics. *SIAM Journal on Mathematical Analysis*, 48(3):1954–1987, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [MNS11] **Miyazaki:2011:DFC**
Rinko Miyazaki, Toshiaki Naito, and Jong Son Shin. Delayed feedback control by commutative gain matrices. *SIAM Journal on Mathematical Analysis*, 43(3):1122–1144, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v43/i3/p1122_s1.
- [MNT13] **Moradifam:2013:CIO**
Amir Moradifam, Adrian Nachman, and Alexandru Tamaskan. Conductivity imaging from one interior measurement in the presence of perfectly conducting and insulating inclusions. *SIAM Journal on Mathematical Analysis*, 44(6):3969–3990, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [MO14] **Muller:2014:ACD**
Stefan Müller and Heiner Olbermann. Almost con-

- ical deformations of thin sheets with rotational symmetry. *SIAM Journal on Mathematical Analysis*, 46(1): 25–44, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [MO15] **Milisić:2015:SML**
Vuk Milisić and Dietmar Oelz. On a structured model for load-dependent reaction kinetics of transient elastic linkages mediating nonlinear friction. *SIAM Journal on Mathematical Analysis*, 47(3): 2104–2121, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Moa11] **Moameni:2011:SUC**
Abbas Moameni. Stability under Γ -convergence of least energy solutions for semilinear problems in the whole R^N . *SIAM Journal on Mathematical Analysis*, 43(4):1759–1786, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v43/i4/p1759_s1.
- [Mon16] **Monard:2016:IAG**
François Monard. Inversion of the attenuated geodesic X-ray transform over functions and vector fields on simple surfaces. *SIAM Journal on Mathematical Analysis*, 48(2): 1155–1177, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Moo16] **Moon:2016:DFC**
Sunghwan Moon. On the determination of a function from its conical Radon transform with a fixed central axis. *SIAM Journal on Mathematical Analysis*, 48(3): 1833–1847, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [MOR⁺16] **McCormick:2016:LBB**
David S. McCormick, Eric J. Olson, James C. Robinson, Jose L. Rodrigo, Alejandro Vidal-López, and Yi Zhou. Lower bounds on blowing-up solutions of the three-dimensional Navier–Stokes equations in $\dot{H}^{3/2}$, $\dot{H}^{5/2}$, and $\dot{B}_{2,1}^{5/2}$. *SIAM Journal on Mathematical Analysis*, 48(3): 2119–2132, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [MOS14] **Mielke:2014:ANV**
Alexander Mielke, Christoph Ortner, and Yasemin Sengül. An approach to nonlinear viscoelasticity via metric gradient flows. *SIAM Journal on Mathematical Analysis*, 46(2): 1317–1347, 2014. CODEN SJMAAH. ISSN 0036-

1410 (print), 1095-7154 (electronic).

Mei:2010:GSM

- [MOZ10] Ming Mei, Chunhua Ou, and Xiao-Qiang Zhao. Global stability of monostable traveling waves for nonlocal time-delayed reaction–diffusion equations. *SIAM Journal on Mathematical Analysis*, 42(6):2762–2790, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). See erratum [MOZ12].

Mei:2012:EGS

- [MOZ12] Ming Mei, Chunhua Ou, and Xiao-Qiang Zhao. Erratum: “Global Stability of Monostable Traveling Waves For Nonlocal Time-delayed Reaction-diffusion Equations”. *SIAM Journal on Mathematical Analysis*, 44(1):538–540, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v44/i1/p538_s1. See [MOZ10].

Mikulevicius:2012:ESS

- [MP12] R. Mikulevicius and H. Pragarauskas. On L_p -estimates of some singular integrals related to jump processes. *SIAM Journal on Mathematical Analysis*, 44(4):2305–2328, 2012. CODEN SJMAAH. ISSN 0036-

1410 (print), 1095-7154 (electronic).

Melcher:2013:LLS

- [MP13] Christof Melcher and Mariya Ptashnyk. Landau–Lifshitz–Slonczewski equations: Global weak and classical solutions. *SIAM Journal on Mathematical Analysis*, 45(1):407–429, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Muller:2014:DIR

- [MP14] Stefan Müller and Mariapia Palombaro. On a differential inclusion related to the Born–Infeld equations. *SIAM Journal on Mathematical Analysis*, 46(4):2385–2403, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Murray:2016:ADE

- [MP16] Ryan W. Murray and Robert L. Pego. Algebraic decay to equilibrium for the Becker–Döring equations. *SIAM Journal on Mathematical Analysis*, 48(4):2819–2842, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Mallet-Paret:2014:ANS

- [MPN14] John Mallet-Paret and Roger D. Nussbaum. Analyticity and nonanalyticity of solutions of delay-differential equations.

- SIAM Journal on Mathematical Analysis*, 46(4):2468–2500, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [MPR10] Juan J. Manfredi, Mikko Parviainen, and Julio D. Rossi. An asymptotic mean value characterization for a class of nonlinear parabolic equations related to tug-of-war games. *SIAM Journal on Mathematical Analysis*, 42(5):2058–2081, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [MPS17] Maria Giovanna Mora, Mark A. Peletier, and Lucia Scardia. Convergence of interaction-driven evolutions of dislocations with Wasserstein dissipation and slip-plane confinement. *SIAM Journal on Mathematical Analysis*, 49(5):4149–4205, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [MPT18] Francesco Maddalena, Danilo Percivale, and Franco Tomarelli. Variational problems for Föppl–von Kármán plates. *SIAM Journal on Mathematical Analysis*, 50(1):251–282, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [MPZ15] P. B. Mucha, M. Pokorný, and E. Zatorska. Heat-conducting, compressible mixtures with multicomponent diffusion: Construction of a weak solution. *SIAM Journal on Mathematical Analysis*, 47(5):3747–3797, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [MQS12] Carlo Marinelli and Lluís Quer-Sardanyons. Existence of weak solutions for a class of semilinear stochastic wave equations. *SIAM Journal on Mathematical Analysis*, 44(2):906–925, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [MR15] Alexandre Munnier and Karim Ramdani. Asymptotic analysis of a Neumann problem in a domain with cusp. application to the collision problem of rigid bodies in a perfect fluid. *SIAM Journal on Mathematical Analysis*, 47(6):4360–4403, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Manfredi:2010:AMV

Mucha:2015:HCC

Mora:2017:CID

Marinelli:2012:EWS

Maddalena:2018:VPF

Munnier:2015:AAN

- [MRS16] **Mercuri:2016:RRL**
 Carlo Mercuri, Giuseppe Riey, and Berardino Sciuenzi. A regularity result for the p -Laplacian near uniform ellipticity. *SIAM Journal on Mathematical Analysis*, 48(3):2059–2075, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [MRT14] **Mazon:2014:OMP**
 José M. Mazón, Julio D. Rossi, and Julián Toledo. An optimal matching problem for the Euclidean distance. *SIAM Journal on Mathematical Analysis*, 46(1):233–255, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [MRT15] **Ming:2015:MSR**
 Mei Ming, Frederic Rousset, and Nikolay Tzvetkov. Multi-solitons and related solutions for the water-waves system. *SIAM Journal on Mathematical Analysis*, 47(1):897–954, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [MRV12] **Morassi:2012:SDR**
 Antonino Morassi, Edi Rosset, and Sergio Vessella. Stable determination of a rigid inclusion in an anisotropic elastic plate. *SIAM Journal on Mathematical Analysis*, 44(3):2204–2235, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [MS11] **McCann:2011:HCO**
 R. J. McCann and M. Sio. Hölder continuity for optimal multivalued mappings. *SIAM Journal on Mathematical Analysis*, 43(4):1855–1871, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v43/i4/p1855_s1.
- [MS13a] **Mascia:2013:MNP**
 Corrado Mascia and Marta Strani. Metastability for nonlinear parabolic equations with application to scalar viscous conservation laws. *SIAM Journal on Mathematical Analysis*, 45(5):3084–3113, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [MS13b] **Mugnai:2013:CRA**
 Luca Mugnai and Christian Seis. On the coarsening rates for attachment-limited kinetics. *SIAM Journal on Mathematical Analysis*, 45(1):324–344, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

- [MS14] **Morini:2014:CMN**
 Massimiliano Morini and Peter Sternberg. Cascade of minimizers for a nonlocal isoperimetric problem in thin domains. *SIAM Journal on Mathematical Analysis*, 46(3): 2033–2051, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [MS16] **Montaru:2016:SSR**
 Alexandre Montaru and Boyan Sirakov. Stationary states of reaction–diffusion and Schrödinger systems with inhomogeneous or controlled diffusion. *SIAM Journal on Mathematical Analysis*, 48(4): 2561–2587, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [MS18] **Meszaros:2018:VFS**
 Alpár Richárd Mészáros and Francisco J. Silva. On the variational formulation of some stationary second-order mean field games systems. *SIAM Journal on Mathematical Analysis*, 50(1): 1255–1277, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [MSTY16] **Mitake:2016:LAW**
 H. Mitake, A. Siconolfi, H. V. Tran, and N. Yamada. A Lagrangian approach to weakly coupled Hamilton–Jacobi systems. *SIAM Journal on Mathematical Analysis*, 48(2): 821–846, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [MSZ13] **Ming:2013:LTE**
 Mei Ming, Jean Claude Saut, and Ping Zhang. Long-time existence of solutions to Boussinesq systems. *SIAM Journal on Mathematical Analysis*, 44(6): 4078–4100, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [MT13] **Matthies:2013:SAJ**
 Karsten Matthies and Florian Theil. A semigroup approach to the justification of kinetic theory. *SIAM Journal on Mathematical Analysis*, 44(6): 4345–4379, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [MT15] **Mizuno:2015:CAC**
 Masashi Mizuno and Yoshihiro Tonegawa. Convergence of the Allen–Cahn equation with Neumann boundary conditions. *SIAM Journal on Mathematical Analysis*, 47(3): 1906–1932, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). See erratum [MT16].

- [MT16] **Mizuno:2016:ET**
 Masashi Mizuno and Yoshihiro Tonegawa. Erratum to “Convergence of the Allen–Cahn Equation with Neumann Boundary Conditions”. *SIAM Journal on Mathematical Analysis*, 48(4):3035–3036, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). See [MT15].
- [MY12] **Munoz:2012:DSL**
 Claudio Muñoz. Dynamics of soliton-like solutions for slowly varying, generalized KdV equations: Refraction versus reflection. *SIAM Journal on Mathematical Analysis*, 44(1):1–60, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v44/i1/p1_s1.
- [Mur14] **Murphy:2014:INC**
 Jason Murphy. Intercritical NLS: Critical \dot{H}^s -bounds imply scattering. *SIAM Journal on Mathematical Analysis*, 46(1):939–997, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [MW17] **Metcalfe:2017:SCA**
 Jason Metcalfe and Chengbo Wang. The Strauss conjecture on asymptotically flat spacetimes. *SIAM Journal on Mathematical Analysis*, 49(6):4579–4594, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [MY12] **Matsumura:2012:ABS**
 Akitaka Matsumura and Natsumi Yoshida. Asymptotic behavior of solutions to the Cauchy problem for the scalar viscous conservation law with partially linearly degenerate flux. *SIAM Journal on Mathematical Analysis*, 44(4):2526–2544, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [MY17] **Miroshnikov:2017:WSI**
 Alexey Miroshnikov and Robin Young. Weak* solutions II: The vacuum in Lagrangian gas dynamics. *SIAM Journal on Mathematical Analysis*, 49(3):1810–1843, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [MZ13] **Mohammed:2013:SBE**
 Salah-Eldin A. Mohammed and Tusheng Zhang. Stochastic Burgers equation with random initial velocities: a Malliavin calculus approach. *SIAM Journal on Mathematical Analysis*, 45(4):2396–2420, 2013. CODEN SJMAAH. ISSN 0036-

1410 (print), 1095-7154 (electronic).

Ming:2012:LWA

[MZZ12]

Mei Ming, Ping Zhang, and Zhifei Zhang. Long-wave approximation to the 3-D capillary-gravity waves. *SIAM Journal on Mathematical Analysis*, 44(4):2920–2948, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Nadin:2010:ESR

[Nad10]

Grégoire Nadin. The effect of the Schwarz rearrangement on the periodic principal eigenvalue of a nonsymmetric operator. *SIAM Journal on Mathematical Analysis*, 41(6):2388–2406, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Nazarov:2012:CZH

[Naz12]

A. I. Nazarov. A centennial of the Zaremba–Hopf–Oleinik Lemma. *SIAM Journal on Mathematical Analysis*, 44(1):437–453, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v44/i1/p437_s1.

Nesensohn:2014:GVF

[Nes14]

Manuel Nesensohn. Generalized viscoelastic fluids with

a free boundary without surface tension. *SIAM Journal on Mathematical Analysis*, 46(1):428–458, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Neumayer:2016:SFQ

[Neu16]

Robin Neumayer. A strong form of the quantitative Wulff inequality. *SIAM Journal on Mathematical Analysis*, 48(3):1727–1772, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Nguyen:2010:ASN

[Ngu10]

Toan Nguyen. On asymptotic stability of noncharacteristic viscous boundary layers. *SIAM Journal on Mathematical Analysis*, 42(3):1156–1178, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Nguyen:2013:RSA

[Ngu13]

Hoai-Minh Nguyen. On a regularized scheme for approximate acoustic cloaking using transformation optics. *SIAM Journal on Mathematical Analysis*, 45(5):3034–3049, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

- [Ngu15] **Nguyen:2015:ALD**
 Linh V. Nguyen. On artifacts in limited data spherical Radon transform: Flat observation surfaces. *SIAM Journal on Mathematical Analysis*, 47(4):2984–3004, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Ngu16] **Nguyen:2016:PLP**
 Quang-Huy Nguyen. A pseudo-local property of gravity water waves system. *SIAM Journal on Mathematical Analysis*, 48(3):1988–2027, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Ngu17] **Nguyen:2017:CAO**
 Hoai-Minh Nguyen. Cloaking an arbitrary object via anomalous localized resonance: The cloak is independent of the object. *SIAM Journal on Mathematical Analysis*, 49(4):3208–3232, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Nii12] **Niikuni:2012:DSG**
 Hiroaki Niikuni. On the degenerate spectral gaps of the one-dimensional Schrödinger operators with periodic point interactions. *SIAM Journal on Mathematical Analysis*, 44(4):2847–2870, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [NN12] **Nesenenko:2012:WPD**
 Sergiy Nesenenko and Patrizio Neff. Well-posedness for dislocation based gradient viscoplasticity I: Subdifferential case. *SIAM Journal on Mathematical Analysis*, 44(3):1694–1712, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Nol11] **Nolen:2011:IPR**
 James Nolen. An invariance principle for random traveling waves in one dimension. *SIAM Journal on Mathematical Analysis*, 43(1):153–188, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v43/i1/p153_s1.
- [NOS12] **Nishibata:2012:ASB**
 Shinya Nishibata, Masashi Ohnawa, and Masahiro Suzuki. Asymptotic stability of boundary layers to the Euler–Poisson equations arising in plasma physics. *SIAM Journal on Mathematical Analysis*, 44(2):761–790, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

- [NP11] Antonín Novotný and Milan Pokorný. Weak and variational solutions to steady equations for compressible heat conducting fluids. *SIAM Journal on Mathematical Analysis*, 43(3):1158–1188, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v43/i3/p1158_s1. **Novotny:2011:WVS**
- [NRS17] Eddie Nijholt, Bob Rink, and Jan Sanders. Center manifolds of coupled cell networks. *SIAM Journal on Mathematical Analysis*, 49(5):4117–4148, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). **Nijholt:2017:CMC**
- [NP16] Hong Thai Nguyen and Dariusz Pączka. Weak and Young measure solutions for hyperbolic initial boundary value problems of elastodynamics in the Orlicz–Sobolev space setting. *SIAM Journal on Mathematical Analysis*, 48(2):1297–1331, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). **Nguyen:2016:WYM**
- [NS12] K. Nakanishi and W. Schlag. Invariant manifolds around soliton manifolds for the nonlinear Klein–Gordon equation. *SIAM Journal on Mathematical Analysis*, 44(2):1175–1210, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). **Nakanishi:2012:IMA**
- [NS13] Toan T. Nguyen and Walter A. Strauss. Stability analysis of collisionless plasmas with specularly reflecting boundary. *SIAM Journal on Mathematical Analysis*, 45(2):777–808, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). **Nguyen:2013:SAC**
- [NPS13] Andrea R. Nahmod, Natasa Pavlović, and Gigliola Staffilani. Almost sure existence of global weak solutions for supercritical Navier–Stokes equations. *SIAM Journal on Mathematical Analysis*, 45(6):3431–3452, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). **Nahmod:2013:ASE**
- [NRS17] Stefan Neukamm, Mathias Schäffner, and Anja Schlömerkemper. Stochastic homogenization of nonconvex discrete energies with degenerate growth. *SIAM Journal on Mathematical Analysis*, 49(5):4117–4148, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). **Neukamm:2017:SHN**

- 49(3):1761–1809, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [NV12]
- [NT13] **Nazarov:2013:LEE**
Sergey A. Nazarov and Jari Taskinen. Localization estimates for eigenfrequencies of waves trapped by a freely floating body in a channel. *SIAM Journal on Mathematical Analysis*, 45(4):2523–2545, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [NW17]
- [NT14] **Negreanu:2014:TSC**
Mihaela Negreanu and J. Ignacio Tello. On a two species chemotaxis model with slow chemical diffusion. *SIAM Journal on Mathematical Analysis*, 46(6):3761–3781, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [Oh10]
- [NUW11] **Nagayasu:2011:RPO**
Sei Nagayasu, Gunther Uhlmann, and Jenn-Nan Wang. Reconstruction of penetrable obstacles in acoustic scattering. *SIAM Journal on Mathematical Analysis*, 43(1):189–211, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v43/i1/p189_s1. [Oh15]
- Nguyen:2012:ACF**
Hoai-Minh Nguyen and Michael S. Vogelius. Approximate cloaking for the full wave equation via change of variables. *SIAM Journal on Mathematical Analysis*, 44(3):1894–1924, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Ninomiya:2017:TCW**
Hirokazu Ninomiya and Chang-Hong Wu. Traveling curved waves in two-dimensional excitable media. *SIAM Journal on Mathematical Analysis*, 49(2):777–817, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Oh:2010:IGM**
Tadahiro Oh. Invariance of the Gibbs measure for the Schrödinger–Benjamin–Ono system. *SIAM Journal on Mathematical Analysis*, 41(6):2207–2225, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Oh:2015:NSE**
Tadahiro Oh. On nonlinear Schrödinger equations with almost periodic initial data. *SIAM Journal on Mathematical Analysis*, 47(2):1253–1270, 2015. CODEN SJMAAH. ISSN 0036-

1410 (print), 1095-7154 (electronic).

Ohnawa:2014:SCS

[Ohn14]

Masashi Ohnawa. L^∞ -stability of continuous shock waves in a radiating gas model. *SIAM Journal on Mathematical Analysis*, 46(3): 2136–2159, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

[OR17]

Ohnawa:2015:ASP

[Ohn15]

Masashi Ohnawa. Asymptotic stability of plasma boundary layers to the Euler–Poisson equations with fluid-boundary interaction. *SIAM Journal on Mathematical Analysis*, 47(4): 2795–2831, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

[Otw10]

Ohnawa:2016:SDT

[Ohn16]

Masashi Ohnawa. L^∞ -stability of discontinuous traveling waves in a hyperbolic-elliptic coupled system. *SIAM Journal on Mathematical Analysis*, 48(6):3820–3839, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

[Ovc11]

Onodera:2011:SIH

[Ono11]

Michiaki Onodera. Stability of the interface of a Hele–Shaw flow with two injection points. *SIAM Journal on*

Mathematical Analysis, 43(4): 1810–1834, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v43/i4/p1810_s1.

Osting:2017:CDP

Braxton Osting and Todd Harry Reeb. Consistency of Dirichlet partitions. *SIAM Journal on Mathematical Analysis*, 49(5): 4251–4274, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Otway:2010:USB

Thomas H. Otway. Unique solutions to boundary value problems in the cold plasma model. *SIAM Journal on Mathematical Analysis*, 42(6): 3045–3053, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v42/i6/p3045_s1.

Ovcharov:2011:SEK

Evgeni Y. Ovcharov. Strichartz estimates for the kinetic transport equation. *SIAM Journal on Mathematical Analysis*, 43(3):1282–1310, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v43/i3/p1282_s1.

- [OW14] **Otto:2014:REO**
 Felix Otto and Maria G. Westdickenberg. Relaxation to equilibrium in the one-dimensional Cahn–Hilliard equation. *SIAM Journal on Mathematical Analysis*, 46(1):720–756, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Pal14] **Pallard:2014:SMV**
 Christophe Pallard. Space moments of the Vlasov–Poisson system: Propagation and regularity. *SIAM Journal on Mathematical Analysis*, 46(3):1754–1770, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Pan12a] **Panov:2012:WCS**
 Evgeniy Panov. On weak completeness of the set of entropy solutions to a degenerate nonlinear parabolic equation. *SIAM Journal on Mathematical Analysis*, 44(1):513–535, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v44/i1/p513_s1.
- [Pan12b] **Pantea:2012:PGS**
 Casian Pantea. On the persistence and global stability of mass-action systems. *SIAM Journal on Mathematical Analysis*, 44(3):1636–1673, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Pao15] **Paoli:2015:VIP**
 Laetitia Paoli. Vibro-impact problems with dry friction — Part I: Existence result. *SIAM Journal on Mathematical Analysis*, 47(5):3285–3313, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Pao16] **Paoli:2016:VIP**
 Laetitia Paoli. Vibro-impact problems with dry friction — Part II: Tangential contacts and frictional catastrophes. *SIAM Journal on Mathematical Analysis*, 48(2):1272–1296, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Pas11] **Pass:2011:UMS**
 Brendan Pass. Uniqueness and Monge solutions in the multimarginal optimal transportation problem. *SIAM Journal on Mathematical Analysis*, 43(6):2758–2775, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v43/i6/p2758_s1.

- [Pas13] **Pass:2013:COT** Brendan Pass. On a class of optimal transportation problems with infinitely many marginals. *SIAM Journal on Mathematical Analysis*, 45(4): 2557–2575, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Pen17] **Peng:2017:CLD** Guanying Peng. Convergence of the Lawrence–Doniach energy for layered superconductors with magnetic fields near H_{c1} . *SIAM Journal on Mathematical Analysis*, 49(2):1225–1266, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [PD17] **Pinto:2017:CFR** M. Campos Pinto and B. Després. Constructive formulations of resonant Maxwell’s equations. *SIAM Journal on Mathematical Analysis*, 49(5): 3637–3670, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Per10] **Perepelitsa:2010:ATR** Misha Perepelitsa. Asymptotics toward rarefaction waves and vacuum for 1-D compressible Navier–Stokes equations. *SIAM Journal on Mathematical Analysis*, 42(3): 1404–1412, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Per15] **Pedregal:2015:WLN** Pablo Pedregal. Weak limits in nonlinear conductivity. *SIAM Journal on Mathematical Analysis*, 47(2):1154–1168, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Per15] **Perepelitsa:2015:KFE** Misha Perepelitsa. On a kinetic formulation of the Euler equations. *SIAM Journal on Mathematical Analysis*, 47(3): 2074–2083, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Pen15] **Peng:2015:UGS** Yue-Jun Peng. Uniformly global smooth solutions and convergence of Euler–Poisson systems with small parameters. *SIAM Journal on Mathematical Analysis*, 47(2):1355–1376, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Pes15] **Peszek:2015:DCS** Jan Peszek. Discrete Cucker–Smale flocking model with a weakly singular weight. *SIAM Journal on Mathematical Analysis*, 47(5):3671–3686, 2015. CODEN SJMAAH. ISSN 0036-

- 1410 (print), 1095-7154 (electronic).
- [Pim16] **Pimentel:2016:USG**
 Juliana F. S. Pimentel. Unbounded Sturm global attractors for semilinear parabolic equations on the circle. *SIAM Journal on Mathematical Analysis*, 48(6):3860–3882, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Plak14] **Plakhov:2014:PMR**
 Alexander Plakhov. The problem of minimal resistance for functions and domains. *SIAM Journal on Mathematical Analysis*, 46(4):2730–2742, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Poh15] **Pohjola:2015:URI**
 Valter Pohjola. A uniqueness result for an inverse problem of the steady state convection-diffusion equation. *SIAM Journal on Mathematical Analysis*, 47(3):2084–2103, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Pol17] **Polacik:2017:PPT**
 P. Poláčik. Planar propagating terraces and the asymptotic one-dimensional symmetry of solutions of semi-linear parabolic equations. *SIAM Journal on Mathematical Analysis*, 49(5):3716–3740, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [PPP13] **Piat:2013:LES**
 V. Chiadò Piat, I. Pankratova, and A. Piatnitski. Localization effect for a spectral problem in a perforated domain with Fourier boundary conditions. *SIAM Journal on Mathematical Analysis*, 45(3):1302–1327, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [PPPV16] **Pagani:2016:CAG**
 Carlo D. Pagani, Dario Pierotti, Angela Pistoia, and Giusi Vaira. Concentration along geodesics for a nonlinear Steklov problem arising in corrosion modeling. *SIAM Journal on Mathematical Analysis*, 48(2):1085–1108, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [PR13] **Popoff:2013:WML**
 Nicolas Popoff and Nicolas Raymond. When the 3D magnetic Laplacian meets a curved edge in the semiclassical limit. *SIAM Journal on Mathematical Analysis*, 45(4):2354–2395, 2013. CO-

- DEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Pra13] **Prange:2013:AAB**
 Christophe Prange. Asymptotic analysis of boundary layer correctors in periodic homogenization. *SIAM Journal on Mathematical Analysis*, 45(1):345–387, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [PRT15] **Piccoli:2015:CFK**
 Benedetto Piccoli, Francesco Rossi, and Emmanuel Trélat. Control to flocking of the kinetic Cucker–Smale model. *SIAM Journal on Mathematical Analysis*, 47(6):4685–4719, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [PSSW15] **Pinski:2015:KLA**
 F. J. Pinski, G. Simpson, A. M. Stuart, and H. Weber. Kullback–Leibler approximation for probability measures on infinite dimensional spaces. *SIAM Journal on Mathematical Analysis*, 47(6):4091–4122, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [PSV10] **Peletier:2010:DRC**
 Mark A. Peletier, Giuseppe Savaré, and Marco Veneroni. From diffusion to reaction via Γ -convergence. *SIAM Journal on Mathematical Analysis*, 42(4):1805–1825, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [PT11] **Privault:2011:DEF**
 Nicolas Privault and Giovanni Luca Torrisi. Density estimation of functionals of spatial point processes with application to wireless networks. *SIAM Journal on Mathematical Analysis*, 43(3):1311–1344, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v43/i3/p1311_s1.
- [Pu13] **Pu:2013:DLE**
 Xueke Pu. Dispersive limit of the Euler–Poisson system in higher dimensions. *SIAM Journal on Mathematical Analysis*, 45(2):834–878, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [PW15] **Plotnikov:2015:INS**
 P. I. Plotnikov and W. Weigant. Isothermal Navier–Stokes equations and Radon transform. *SIAM Journal on Mathematical Analysis*, 47(1):626–653, 2015. CODEN SJMAAH. ISSN 0036-

- 1410 (print), 1095-7154 (electronic).
- [PWG11] Yue-Jun Peng, Shu Wang, and Qilong Gu. Relaxation limit and global existence of smooth solutions of compressible Euler–Maxwell equations. *SIAM Journal on Mathematical Analysis*, 43(2): 944–970, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v43/i2/p944_s1.
- [PWW17] Xueke Pu, Meng Wang, and Wendong Wang. The Landau–Lifshitz equation of the ferromagnetic spin chain and Oseen–Frank flow. *SIAM Journal on Mathematical Analysis*, 49(6):5134–5157, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [PX13] Michela Procesi and Xindong Xu. Quasi-Töplitz functions in KAM Theorem. *SIAM Journal on Mathematical Analysis*, 45(4):2148–2181, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [PY10] **Pedregal:2010:DMM**
Pablo Pedregal and Baisheng Yan. A duality method for micromagnetics. *SIAM Journal on Mathematical Analysis*, 41(6):2431–2452, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [PY14] **Polacik:2014:LSS**
Peter Poláčik and Eiji Yanagida. Localized solutions of a semilinear parabolic equation with a recurrent nonstationary asymptotics. *SIAM Journal on Mathematical Analysis*, 46(5):3481–3496, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [PZ11] **Paicu:2011:GER**
Marius Paicu and Arghir Zarnescu. Global existence and regularity for the full coupled Navier–Stokes and Q -tensor system. *SIAM Journal on Mathematical Analysis*, 43(5):2009–2049, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v43/i5/p2009_s1.
- [PZ13] **Pawlow:2013:GRS**
Irena Pawlow and Wojciech M. Zajączkowski. Global regular solutions to a Kelvin–Voigt type thermoviscoelastic system. *SIAM Journal on*

Mathematical Analysis, 45(4): 1997–2045, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Piatnitski:2017:PHN

- [PZ17] A. Piatnitski and E. Zhizhina. Periodic homogenization of nonlocal operators with a convolution-type kernel. *SIAM Journal on Mathematical Analysis*, 49(1):64–81, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Qin:2015:WPD

- [Qin15] Wen-Xin Qin. Wave propagation in diatomic lattices. *SIAM Journal on Mathematical Analysis*, 47(1):477–497, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Quittner:2012:SCS

- [QS12] Pavol Quittner and Philippe Souplet. Symmetry of components for semilinear elliptic systems. *SIAM Journal on Mathematical Analysis*, 44(4): 2545–2559, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Qin:2011:LTB

- [QW11] Xiaohong Qin and Yi Wang. Large-time behavior of solutions to the inflow problem

of full compressible Navier–Stokes equations. *SIAM Journal on Mathematical Analysis*, 43(1):341–366, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v43/i1/p341_s1.

Rein:2018:ABS

- [Rei18] Gerhard Rein. The asymptotic behavior of solutions to the repulsive n -body problem. *SIAM Journal on Mathematical Analysis*, 50(1):1–4, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Rey:2012:BAA

- [Rey12] Thomas Rey. Blow up analysis for anomalous granular gases. *SIAM Journal on Mathematical Analysis*, 44(3): 1544–1561, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Riaza:2010:SLQ

- [Ria10] Ricardo Riaza. Stability loss in quasilinear DAEs by divergence of a pencil eigenvalue. *SIAM Journal on Mathematical Analysis*, 41(6): 2226–2245, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

- [Rod16] **Rodiac:2016:RPS**
 Rémy Rodiac. Regularity properties of stationary harmonic functions whose Laplacian is a Radon measure. *SIAM Journal on Mathematical Analysis*, 48(4):2495–2531, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Rou10] **Roubicek:2010:TRI**
 Tomáš Roubíček. Thermodynamics of rate-independent processes in viscous solids at small strains. *SIAM Journal on Mathematical Analysis*, 42(1):256–297, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Rou13] **Roubicek:2013:ACV**
 Tomáš Roubíček. Adhesive contact of visco-elastic bodies and defect measures arising by vanishing viscosity. *SIAM Journal on Mathematical Analysis*, 45(1):101–126, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [RR13] **Ramming:2013:SSE**
 Tobias Ramming and Gerhard Rein. Spherically symmetric equilibria for self-gravitating kinetic or fluid models in the nonrelativistic and relativistic case — a simple proof for finite extension. *SIAM Journal on Mathematical Analysis*, 45(2):900–914, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [RR15] **Rocca:2015:E**
 Elisabetta Rocca and Riccarda Rossi. “Entropic” solutions to a thermodynamically consistent PDE system for phase transitions and damage. *SIAM Journal on Mathematical Analysis*, 47(4):2519–2586, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [RR17] **Rivera:2017:TPT**
 Jaime E. Muñoz Rivera and Reinhard Racke. Transmission problems in (thermo)viscoelasticity with Kelvin–Voigt damping: Nonexponential, strong, and polynomial stability. *SIAM Journal on Mathematical Analysis*, 49(5):3741–3765, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [RSS17] **Roth:2017:RPE**
 Gregory Roth, Paul L. Salceanu, and Sebastian J. Schreiber. Robust permanence for ecological maps. *SIAM Journal on Mathematical Analysis*, 49(5):3527–3549, 2017. CODEN SJMAAH. ISSN 0036-

1410 (print), 1095-7154 (electronic).

Rossi:2017:CRI

- [RT17] Riccarda Rossi and Marita Thomas. Coupling rate-independent and rate-dependent processes: Existence results. *SIAM Journal on Mathematical Analysis*, 49(2):1419–1494, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Rossi:2017:EFK

- [RTV17] Luca Rossi, Andrea Tellini, and Enrico Valdinoci. The effect on Fisher–KPP propagation in a cylinder with fast diffusion on the boundary. *SIAM Journal on Mathematical Analysis*, 49(6):4595–4624, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Radu:2016:GDP

- [RTY16] Petronela Radu, Grozdena Todorova, and Borislav Jordanov. The generalized diffusion phenomenon and applications. *SIAM Journal on Mathematical Analysis*, 48(1):174–203, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Ren:2017:CVS

- [RTZ17] Zhenjie Ren, Nizar Touzi, and Jianfeng Zhang. Com-

parison of viscosity solutions of fully nonlinear degenerate parabolic path-dependent PDEs. *SIAM Journal on Mathematical Analysis*, 49(5):4093–4116, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Ribaud:2012:WPR

- [RV12] Francis Ribaud and Stéphane Vento. Well-posedness results for the three-dimensional Zakharov–Kuznetsov equation. *SIAM Journal on Mathematical Analysis*, 44(4):2289–2304, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Ren:2014:ASD

- [RW14] Xiaofeng Ren and Juncheng Wei. Asymmetric and symmetric double bubbles in a ternary inhibitory system. *SIAM Journal on Mathematical Analysis*, 46(4):2798–2852, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Ren:2011:LTS

- [RZ11] Jie Ren and Xicheng Zhang. Limit theorems for stochastic differential equations with discontinuous coefficients. *SIAM Journal on Mathematical Analysis*, 43(1):302–321, 2011. CODEN SJMAAH. ISSN 0036-

- 1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v43/i1/p302_s1. [Sab13]
- Renclawowicz:2014:GNN**
- [RZ14] Joanna Renclawowicz and Wojciech M. Zajączkowski. Global nonstationary Navier–Stokes motion with large flux. *SIAM Journal on Mathematical Analysis*, 46(4):2581–2613, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [Sal12]
- Rodrigues:2016:PCD**
- [RZ16] L. Miguel Rodrigues and Kevin Zumbrun. Periodic-coefficient damping estimates, and stability of large-amplitude roll waves in inclined thin film flow. *SIAM Journal on Mathematical Analysis*, 48(1):268–280, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [SCB17]
- Ren:2017:LDA**
- [RZ17] Siqu Ren and Weiren Zhao. Linear damping of Alfvén waves by phase mixing. *SIAM Journal on Mathematical Analysis*, 49(3):2101–2137, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [Sch10]
- Sabin:2013:CRS**
- Julien Sabin. Charge renormalization and static electron/positron pair production for a nonlinear Dirac model with weak interactions. *SIAM Journal on Mathematical Analysis*, 45(4):2099–2147, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Salakhudinov:2012:RIE**
- R. G. Salakhudinov. Refined inequalities for Euclidean moments of a domain with respect to its boundary. *SIAM Journal on Mathematical Analysis*, 44(4):2949–2961, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Sprengel:2017:TIT**
- M. Sprengel, G. Ciaramella, and A. Borzi. A theoretical investigation of time-dependent Kohn–Sham equations. *SIAM Journal on Mathematical Analysis*, 49(3):1681–1704, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Schwab:2010:PHN**
- Russell W. Schwab. Periodic homogenization for nonlinear integro-differential equations. *SIAM Journal on*

Mathematical Analysis, 42(6): 2652–2680, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Schaeffer:2014:RSC

[Sch14a]

Jack Schaeffer. A restriction on shocks in collisionless plasma. *SIAM Journal on Mathematical Analysis*, 46(4): 2767–2797, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Schonbek:2014:HSD

[Sch14b]

Tomas Schonbek. On a Helmholtz style decomposition for an exterior domain. *SIAM Journal on Mathematical Analysis*, 46(5):3497–3517, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Schaeffer:2017:NHS

[Sch17]

Jack Schaeffer. On nearly homogeneous states in collisionless plasma. *SIAM Journal on Mathematical Analysis*, 49(3): 2269–2286, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Su:2013:KTQ

[SdlL13]

Xifeng Su and Rafael de la Llave. KAM theory for quasi-periodic equilibria in one-dimensional quasi-periodic media. *SIAM Journal on*

Mathematical Analysis, 44(6): 3901–3927, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Seiskari:2014:PEP

[Sei14]

Otto Seiskari. Point electrode problems in piecewise smooth plane domains. *SIAM Journal on Mathematical Analysis*, 46(2):1204–1227, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Senik:2017:HNS

[Sen17]

Nikita N. Senik. Homogenization for non-self-adjoint periodic elliptic operators on an infinite cylinder. *SIAM Journal on Mathematical Analysis*, 49(2):874–898, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Shen:2015:SER

[She15]

Wen Shen. Slow erosion with rough geological layers. *SIAM Journal on Mathematical Analysis*, 47(4):3116–3150, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Showalter:2010:NDE

[Sho10]

R. E. Showalter. Nonlinear degenerate evolution equations in mixed formulation. *SIAM Journal on Mathematical Analysis*, 42(5):2114–

- 2131, ????. 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [Smi17]
- [Sim16] **Simanek:2016:EIZ**
 Brian Simanek. An electrostatic interpretation of the zeros of paraorthogonal polynomials on the unit circle. *SIAM Journal on Mathematical Analysis*, 48(3):2250–2268, ????. 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [SP13]
- [Sin10] **Sincich:2010:SDU**
 Eva Sincich. Stability for the determination of unknown boundary and impedance with a Robin boundary condition. *SIAM Journal on Mathematical Analysis*, 42(6):2922–2943, ????. 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v42/i6/p2922_s1. [Spe14]
- [SM16] **Sharma:2016:GES**
 Vandana Sharma and Jeff Morgan. Global existence of solutions to reaction–diffusion systems with mass transport type boundary conditions. *SIAM Journal on Mathematical Analysis*, 48(6):4202–4240, ????. 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Smith:2017:RPV**
 Scott A. Smith. Random perturbations of viscous, compressible fluids: Global existence of weak solutions. *SIAM Journal on Mathematical Analysis*, 49(6):4521–4578, ????. 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Schimperna:2013:CCH**
 Giulio Schimperna and Irena Pawlow. On a class of Cahn–Hilliard models with nonlinear diffusion. *SIAM Journal on Mathematical Analysis*, 45(1):31–63, ????. 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Spence:2014:WEB**
 E. A. Spence. Wavenumber-explicit bounds in time-harmonic acoustic scattering. *SIAM Journal on Mathematical Analysis*, 46(4):2987–3024, ????. 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Sisti:2014:ECM**
 Francesco Sisti and Costantino Ricciuti. Effects of concavity on the motion of a body immersed in a Vlasov gas. *SIAM Journal on Mathematical Analysis*, 46(6):3579–3611, ????. 2014. CO-

- DEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Sri11] Ravi Srinivasan. Rates of convergence for Smoluchowski's coagulation equations. *SIAM Journal on Mathematical Analysis*, 43(4): 1835–1854, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v43/i4/p1835_s1.
- [SS15] Katharina Schade and Yoshihiro Shibata. On strong dynamics of compressible nematic liquid crystals. *SIAM Journal on Mathematical Analysis*, 47(5):3963–3992, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [SS17] Christoph Schwab and Rob Stevenson. Fractional space-time variational formulations of (Navier–) Stokes equations. *SIAM Journal on Mathematical Analysis*, 49(4): 2442–2467, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [SSST15] E. B. Saff, H. Stahl, N. Stylianopoulos, and V. Totik. Orthogonal polynomials for area-type measures and image recovery. *SIAM Journal on Mathematical Analysis*, 47(3): 2442–2463, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [SSW14] Christian Stinner, Christina Surulescu, and Michael Winkler. Global weak solutions in a PDE–ODE system modeling multiscale cancer cell invasion. *SIAM Journal on Mathematical Analysis*, 46(3): 1969–2007, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [ST10] Flavia Smarrazzo and Alberto Tesi. Long-time behavior of solutions to a class of forward-backward parabolic equations. *SIAM Journal on Mathematical Analysis*, 42(3): 1046–1093, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [ST11] Chih-Wen Shih and Jui-Pin Tseng. Global synchronization and asymptotic phases for a ring of identi-

Saff:2015:OPA**Srinivasan:2011:RCS****Stinner:2014:GWS****Schade:2015:SDC****Smarrazzo:2010:LTB****Schwab:2017:FST****Shih:2011:GSA**

- cal cells with delayed coupling. *SIAM Journal on Mathematical Analysis*, 43(4):1667–1697, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v43/i4/p1667_s1.
Sadiq:2015:RCT
- [ST15a] Kamran Sadiq and Alexandru Tamaskan. On the range characterization of the two-dimensional attenuated Doppler transform. *SIAM Journal on Mathematical Analysis*, 47(3):2001–2021, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [ST15b] Marta Strani and Benjamin Texier. Time-delayed instabilities in complex Burgers equations. *SIAM Journal on Mathematical Analysis*, 47(4):2495–2518, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
Strani:2015:TDI
- [ST17] Pablo Raúl Stinga and José L. Torrea. Regularity theory and extension problem for fractional nonlocal parabolic equations and the master equation. *SIAM Journal on Mathematical Analysis*, 49(5):3893–3924, 2017. CO-
Stinga:2017:RTE
- [Str10] Robert M. Strain. Global Newtonian limit for the relativistic Boltzmann equation near vacuum. *SIAM Journal on Mathematical Analysis*, 42(4):1568–1601, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
Strain:2010:GNL
- [Sug16] Yuusuke Sugiyama. Degeneracy in finite time of 1D quasilinear wave equations. *SIAM Journal on Mathematical Analysis*, 48(2):847–860, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
Sugiyama:2016:DFT
- [Sus13] Tatiana Suslina. Homogenization of the Neumann problem for elliptic systems with periodic coefficients. *SIAM Journal on Mathematical Analysis*, 45(6):3453–3493, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
Suslina:2013:HNP
- [SV11] Ovidiu Savin and Enrico Valdinoci. Density estimates for a nonlocal variational model via the Sobolev inequality. *SIAM Journal on*
Savin:2011:DEN

- Mathematical Analysis*, 43(6): 2675–2687, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v43/i6/p2675_s1. [SW11b]
- Stan:2014:FKE**
- [SV14] Diana Stan and Juan Luis Vázquez. The Fisher–KPP equation with nonlinear fractional diffusion. *SIAM Journal on Mathematical Analysis*, 46(5):3241–3276, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Sweers:2018:PHC**
- [SV18] Guido Sweers and Kateřina Vassi. Positivity for a hinged convex plate with stress. *SIAM Journal on Mathematical Analysis*, 50(1): 1163–1174, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [SW17]
- Segatti:2011:FDR**
- [SW11a] Antonio Segatti and Hao Wu. Finite dimensional reduction and convergence to equilibrium for incompressible smectic-A liquid crystal flows. *SIAM Journal on Mathematical Analysis*, 43(6): 2445–2481, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v43/i6/p2445_s1.
- Shapiro:2011:RDB**
- A. M. Shapiro and M. I. Weinstein. Radiative decay of bubble oscillations in a compressible fluid. *SIAM Journal on Mathematical Analysis*, 43(2):828–876, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v43/i2/p828_s1.
- Strauss:2017:SSR**
- Walter A. Strauss and Yilun Wu. Steady states of rotating stars and galaxies. *SIAM Journal on Mathematical Analysis*, 49(6):4865–4914, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Saut:2017:CPL**
- [SWX17] Jean-Claude Saut, Chao Wang, and Li Xu. The Cauchy problem on large time for surface-waves-type Boussinesq systems II. *SIAM Journal on Mathematical Analysis*, 49(4):2321–2386, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Song:2015:RSP**
- [SWZ15] Kyungwoo Song, Qin Wang, and Yuxi Zheng. The regularity of semihyperbolic patches

- near sonic lines for the 2-D Euler system in gas dynamics. *SIAM Journal on Mathematical Analysis*, 47(3): 2200–2219, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [Syl12]
- [SX13] **Shen:2013:BSF**
Zuowei Shen and Zhiqiang Xu. On B-spline framelets derived from the unitary extension principle. *SIAM Journal on Mathematical Analysis*, 45(1):127–151, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [SZ11]
- [SY14] **Strain:2014:SHB**
Robert M. Strain and Seok-Bae Yun. Spatially homogeneous Boltzmann equation for relativistic particles. *SIAM Journal on Mathematical Analysis*, 46(1):917–938, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [SZ12a]
- [SY17] **Stefanov:2017:TPT**
Plamen Stefanov and Yang Yang. Thermo- and photoacoustic tomography with variable speed and planar detectors. *SIAM Journal on Mathematical Analysis*, 49(1): 297–310, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [SZ12b]
- Sylvester:2012:DTE**
John Sylvester. Discreteness of transmission eigenvalues via upper triangular compact operators. *SIAM Journal on Mathematical Analysis*, 44(1): 341–354, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v44/i1/p341_s1.
- Sebert:2011:FPM**
Florian M. Sebert and Yi Ming Zou. Factoring pseudoidentity matrix pairs. *SIAM Journal on Mathematical Analysis*, 43(2):565–576, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v43/i2/p565_s1.
- Salo:2012:IPL**
Mikko Salo and Xiao Zhong. An inverse problem for the p -Laplacian: Boundary determination. *SIAM Journal on Mathematical Analysis*, 44(4): 2474–2495, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Scardia:2012:LTM**
Lucia Scardia and Caterina Ida Zeppieri. Line-tension model for plasticity as the Γ -limit of a nonlinear dislocation energy. *SIAM Journal on Mathematical Analysis*,

- 44(4):2372–2400, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [Tan15]
- [TAGP18] Maja Tasković, Ricardo J. Alonso, Irene M. Gamba, and Natasa Pavlović. On Mittag-Leffler moments for the Boltzmann equation for hard potentials without cut-off. *SIAM Journal on Mathematical Analysis*, 50(1):834–869, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [Tan18]
- [Tak10] Ryo Takada. Counterexamples of commutator estimates in the Besov and the Triebel–Lizorkin spaces related to the Euler equations. *SIAM Journal on Mathematical Analysis*, 42(6):2473–2483, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [TD17]
- [Tak13] Asuka Takatsu. Behaviors of φ -exponential distributions in Wasserstein geometry and an evolution equation. *SIAM Journal on Mathematical Analysis*, 45(4):2546–2556, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [Tej17]
- Taniguchi:2015:DCC**
Masaharu Taniguchi. An $(N - 1)$ -dimensional convex compact set gives an N -dimensional traveling front in the Allen–Cahn equation. *SIAM Journal on Mathematical Analysis*, 47(1):455–476, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Tang:2018:PSC**
Hao Tang. On the pathwise solutions to the Camassa–Holm equation with multiplicative noise. *SIAM Journal on Mathematical Analysis*, 50(1):1322–1366, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Tian:2017:TTS**
Xiaochuan Tian and Qiang Du. Trace theorems for some nonlocal function spaces with heterogeneous localization. *SIAM Journal on Mathematical Analysis*, 49(2):1621–1644, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Tejero:2017:RSP**
Jorge Tejero. Reconstruction and stability for piecewise smooth potentials in the plane. *SIAM Journal on Mathematical Analysis*, 49(1):

398–420, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Terracina:2011:QBT

[Ter11]

Andrea Terracina. Qualitative behavior of the two-phase entropy solution of a forward-backward parabolic problem. *SIAM Journal on Mathematical Analysis*, 43(1):228–252, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v43/i1/p228_s1.

Treinen:2013:SSS

[Tre13]

Ray Treinen. On the symmetry of solutions to some floating drop problems. *SIAM Journal on Mathematical Analysis*, 44(6):3834–3847, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Triay:2018:DDG

[Tri18]

Arnaud Triay. Derivation of the dipolar Gross–Pitaevskii energy. *SIAM Journal on Mathematical Analysis*, 50(1):33–63, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Troy:2017:PSF

[Tro17]

William C. Troy. Phase-locked solutions of the finite

size Kuramoto coupled oscillator model. *SIAM Journal on Mathematical Analysis*, 49(3):1912–1931, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Tsugawa:2012:LWP

[Tsu12]

Kotaro Tsugawa. Local well-posedness of the KdV equation with quasi-periodic initial data. *SIAM Journal on Mathematical Analysis*, 44(5):3412–3428, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Trofimchuk:2018:TWB

[TV18]

Sergei Trofimchuk and Vitaly Volpert. Traveling waves for a bistable reaction–diffusion equation with delay. *SIAM Journal on Mathematical Analysis*, 50(1):1175–1199, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Temam:2010:SSM

[TW10]

R. Temam and D. Wirosoetisno. Stability of the slow manifold in the primitive equations. *SIAM Journal on Mathematical Analysis*, 42(1):427–458, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

- [TW11a] **Tao:2011:CHM** Youshan Tao and Michael Winkler. A chemotaxis-haptotaxis model: The roles of nonlinear diffusion and logistic source. *SIAM Journal on Mathematical Analysis*, 43(2):685–704, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v43/i2/p685_s1. [TW18a]
- [TW11b] **Thakur:2011:SBR** Gaurav Thakur and Hau-Tieng Wu. Synchrosqueezing-based recovery of instantaneous frequency from nonuniform samples. *SIAM Journal on Mathematical Analysis*, 43(5):2078–2095, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v43/i5/p2078_s1. [TWW15]
- [TW15] **Tao:2015:LTB** Youshan Tao and Michael Winkler. Large time behavior in a multidimensional chemotaxis-haptotaxis model with slow signal diffusion. *SIAM Journal on Mathematical Analysis*, 47(6):4229–4250, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [TY11]
- Tan:2018:GWP** Zhong Tan and Yanjin Wang. Global well-posedness of an initial-boundary value problem for viscous non-resistive MHD systems. *SIAM Journal on Mathematical Analysis*, 50(1):1432–1470, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Tsai:2018:ENC** Dong-Ho Tsai and Xiao-Liu Wang. The evolution of nonlocal curvature flow arising in a Hele–Shaw problem. *SIAM Journal on Mathematical Analysis*, 50(1):1396–1431, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Tan:2015:SSS** Zhong Tan, Yanjin Wang, and Yong Wang. Stability of steady states of the Navier–Stokes–Poisson equations with non-flat doping profile. *SIAM Journal on Mathematical Analysis*, 47(1):179–209, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Temple:2011:TPL** Blake Temple and Robin Young. Time-periodic linearized solutions of the compressible Euler equations and

- a problem of small divisors. *SIAM Journal on Mathematical Analysis*, 43(1): 1–49, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v43/i1/p1_s1. **Tan:2013:GSO**
- [TYZZ13] Zhong Tan, Tong Yang, Huijiang Zhao, and Qingyang Zou. Global solutions to the one-dimensional compressible Navier–Stokes–Poisson equations with large data. *SIAM Journal on Mathematical Analysis*, 45(2):547–571, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). **Tilli:2013:AFL**
- [TZ13] Paolo Tilli and Davide Zucco. Asymptotics of the first Laplace eigenvalue with Dirichlet regions of prescribed length. *SIAM Journal on Mathematical Analysis*, 45(6): 3266–3282, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). **Tilli:2015:WBP**
- [TZ15] Paolo Tilli and Davide Zucco. Where best to place a Dirichlet condition in an anisotropic membrane? *SIAM Journal on Mathematical Analysis*, 47(4): 2699–2721, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). **Tao:2018:CPW**
- [TZ18] Tao Tao and Liqun Zhang. On the continuous periodic weak solutions of Boussinesq equations. *SIAM Journal on Mathematical Analysis*, 50(1): 1120–1162, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). **Ueda:2012:DSR**
- [UWK12] Yoshihiro Ueda, Shu Wang, and Shuichi Kawashima. Dissipative structure of the regularity-loss type and time asymptotic decay of solutions for the Euler–Maxwell system. *SIAM Journal on Mathematical Analysis*, 44(3):2002–2017, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). **Valkonen:2015:JSU**
- [Val15] Tuomo Valkonen. The jump set under geometric regularization. Part 1: Basic technique and first-order denoising. *SIAM Journal on Mathematical Analysis*, 47(4):2587–2629, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). **vonBrecht:2014:NST**
- [vBM14] James H. von Brecht and Scott G. McCalla. Nonlinear

- stability through algebraically decaying point spectrum: Applications to nonlocal interaction equations. *SIAM Journal on Mathematical Analysis*, 46(6):3727–3760, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [Ves15]
- vanBaalen:2011:TPS**
- [vBW11] Guillaume van Baalen and Peter Wittwer. Time periodic solutions of the Navier–Stokes equations with nonzero constant boundary conditions at infinity. *SIAM Journal on Mathematical Analysis*, 43(4):1787–1809, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v43/i4/p1787_s1. [VF13]
- vandenBerg:2011:RNS**
- [vdBMJLM11] Jan Bouwe van den Berg, Jason D. Mireles-James, Jean-Philippe Lessard, and Konstantin Mischaikow. Rigorous numerics for symmetric connecting orbits: Even homoclinics of the Gray–Scott equation. *SIAM Journal on Mathematical Analysis*, 43(4):1557–1594, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v43/i4/p1557_s1. [vNVW12]
- Vessella:2015:SEI**
- Sergio Vessella. Stability estimates for an inverse hyperbolic initial boundary value problem with unknown boundaries. *SIAM Journal on Mathematical Analysis*, 47(2):1419–1457, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Veltz:2013:CMR**
- Romain Veltz and Olivier Faugeras. A center manifold result for delayed neural fields equations. *SIAM Journal on Mathematical Analysis*, 45(3):1527–1562, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). See erratum [VF15].
- Veltz:2015:ECM**
- Romain Veltz and Olivier Faugeras. Erratum: A center manifold result for delayed neural fields equations. *SIAM Journal on Mathematical Analysis*, 47(2):1665–1670, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). See [VF13].
- vanNeerven:2012:MRS**
- Jan van Neerven, Mark Veraar, and Lutz Weis. Maximal L^p -regularity for stochastic evolution equations. *SIAM Journal on Mathematical Analysis*, 44(3):

- 1372–1414, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [VW11] Juan Luis Vázquez and Michael Winkler. The evolution of singularities in fast diffusion equations: Infinite-time blow-down. *SIAM Journal on Mathematical Analysis*, 43(4):1499–1535, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v43/i4/p1499_s1.
- [VW15a] Alexis Vasseur and Yi Wang. The inviscid limit to a contact discontinuity for the compressible Navier–Stokes–Fourier system using the relative entropy method. *SIAM Journal on Mathematical Analysis*, 47(6):4350–4359, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [VW15b] Theodore Vo and Martin Wechselberger. Canards of folded saddle-node type I. *SIAM Journal on Mathematical Analysis*, 47(4):3235–3283, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [VY16] Alexis F. Vasseur and Cheng Yu. Global weak solutions to the compressible quantum Navier–Stokes equations with damping. *SIAM Journal on Mathematical Analysis*, 48(2):1489–1511, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [VZ15] Vicente Vergara and Rico Zacher. Optimal decay estimates for time-fractional and other nonlocal subdiffusion equations via energy methods. *SIAM Journal on Mathematical Analysis*, 47(1):210–239, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Wal14] Stephen G. Walker. On a lower bound for the Jensen inequality. *SIAM Journal on Mathematical Analysis*, 46(5):3151–3157, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Wan11] Yanjin Wang. The diffusive limit of the Vlasov–Boltzmann system for binary fluids. *SIAM Journal on*

- Mathematical Analysis*, 43(1): 253–301, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v43/i1/p253_s1. [Wei12]
- Wang:2012:GST**
- [Wan12] Yanjin Wang. Global solution and time decay of the Vlasov–Poisson–Landau system in \mathbf{R}^3 . *SIAM Journal on Mathematical Analysis*, 44(5): 3281–3323, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [Wen14]
- Wang:2013:PNS**
- [Wan13] Yuzhao Wang. Periodic nonlinear Schrödinger equation in critical $H^s(\mathbf{T}^n)$ spaces. *SIAM Journal on Mathematical Analysis*, 45(3):1691–1703, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [WFL12]
- Walsh:2013:SWW**
- [WBS13] Samuel Walsh, Oliver Bühler, and Jalal Shatah. Steady water waves in the presence of wind. *SIAM Journal on Mathematical Analysis*, 45(4): 2182–2227, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [Whe13]
- Weinmann:2012:IMR**
- Andreas Weinmann. Interpolatory multiscale representation for functions between manifolds. *SIAM Journal on Mathematical Analysis*, 44(1): 162–191, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v44/i1/p162_s1.
- Weng:2014:SSF**
- Shangkun Weng. On steady subsonic flows for Euler–Poisson models. *SIAM Journal on Mathematical Analysis*, 46(1):757–779, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Wang:2012:ABG**
- Shu Wang, Yuehong Feng, and Xin Li. The asymptotic behavior of globally smooth solutions of bipolar nonisentropic compressible Euler–Maxwell system for plasma. *SIAM Journal on Mathematical Analysis*, 44(5): 3429–3457, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Wheeler:2013:LAS**
- Miles H. Wheeler. Large-amplitude solitary water waves with vorticity. *SIAM Journal on Mathematical*

Analysis, 45(5):2937–2994, ????. 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Winkler:2015:LDG

[Win15] Michael Winkler. Large-data global generalized solutions in a chemotaxis system with tensor-valued sensitivities. *SIAM Journal on Mathematical Analysis*, 47(4):3092–3115, ????. 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Wroblewska-Kaminska:2017:AAC

[WK17] Aneta Wróblewska-Kamińska. The asymptotic analysis of the complete fluid system on a varying domain: From the compressible to the incompressible flow. *SIAM Journal on Mathematical Analysis*, 49(5):3299–3334, ????. 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Wang:2016:GPN

[WLT16] Yong Wang, Chun Liu, and Zhong Tan. A generalized Poisson–Nernst–Planck–Navier–Stokes model on the fluid with the crowded charged particles: Derivation and its well-posedness. *SIAM Journal on Mathematical Analysis*, 48(5):3191–3235, ????. 2016. CODEN SJMAAH. ISSN

0036-1410 (print), 1095-7154 (electronic).

Weller:2013:AFB

[WNRJ13] Frederic Frank Weller, Maria Neuss-Radu, and Willi Jäger. Analysis of a free boundary problem modeling thrombus growth. *SIAM Journal on Mathematical Analysis*, 45(2):809–833, ????. 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Ward:2014:APS

[WU14a] John Paul Ward and Michael Unser. Approximation properties of Sobolev splines and the construction of compactly supported equivalents. *SIAM Journal on Mathematical Analysis*, 46(3):1843–1858, ????. 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Wu:2014:PBL

[Wu14b] Kung-Chien Wu. Pointwise behavior of the linearized Boltzmann equation on a torus. *SIAM Journal on Mathematical Analysis*, 46(1):639–656, ????. 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Wu:2014:WPD

[Wu14c] Lei Wu. Well-posedness and decay of the viscous surface wave. *SIAM Journal on*

Mathematical Analysis, 46(3): 2084–2135, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Wu:2016:SFD

[Wu16]

Yilun Wu. Simplicity and finiteness of discrete spectrum of the Benjamin–Ono scattering operator. *SIAM Journal on Mathematical Analysis*, 48(2):1348–1367, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

[WW12]

Wu:2017:JSD

[Wu17]

Yilun Wu. Jost solutions and the direct scattering problem of the Benjamin–Ono equation. *SIAM Journal on Mathematical Analysis*, 49(6): 5158–5206, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

[WW15]

Wunsch:2010:GHS

[Wun10]

Marcus Wunsch. The generalized Hunter–Saxton system. *SIAM Journal on Mathematical Analysis*, 42(3):1286–1304, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

[WWW12]

Wei:2010:SSS

[WW10]

Juncheng Wei and Matthias Winter. Stability of spiky solutions in a reaction–diffusion system with four morphogens

on the real line. *SIAM Journal on Mathematical Analysis*, 42(6):2818–2841, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Wang:2012:MLP

Shu Wang and Ke Wang. The mixed layer problem and quasi-neutral limit of the drift-diffusion model for semiconductors. *SIAM Journal on Mathematical Analysis*, 44(2): 699–717, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v44/i2/p699_s1.

Wang:2015:SST

Teng Wang and Yi Wang. Stability of superposition of two viscous shock waves for the Boltzmann equation. *SIAM Journal on Mathematical Analysis*, 47(2):1070–1120, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Wang:2012:GRV

Zhi-An Wang, Michael Winkler, and Dariusz Wrzosek. Global regularity versus infinite-time singularity formation in a chemotaxis model with volume-filling effect and degenerate diffusion. *SIAM Journal on Mathematical Analysis*, 44(5):3502–3525,

- ???? 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [WX13]
- [WWX15] Jiahong Wu, Yifei Wu, and Xiaojing Xu. Global small solution to the 2D MHD system with a velocity damping term. *SIAM Journal on Mathematical Analysis*, 47(4):2630–2656, ??? 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [WX11] Jing Wang and Feng Xie. Singular limit to strong contact discontinuity for a 1D compressible radiation hydrodynamics model. *SIAM Journal on Mathematical Analysis*, 43(3):1189–1204, ??? 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v43/i3/p1189_s1. [WX16]
- [WX12] Yang Wang and Zhiqiang Xu. The performance of PCM quantization under tight frame representations. *SIAM Journal on Mathematical Analysis*, 44(4):2802–2823, ??? 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [WX15] Hao Wu and Xiang Xu. Strong solutions, global regularity, and stability of a hydrodynamic system modeling vesicle and fluid interactions. *SIAM Journal on Mathematical Analysis*, 45(1):181–214, ??? 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [WX15] Chunpeng Wang and Zhouping Xin. Global smooth supersonic flows in infinite expanding nozzles. *SIAM Journal on Mathematical Analysis*, 47(4):3151–3211, ??? 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [WX16] Chunpeng Wang and Zhouping Xin. On sonic curves of smooth subsonic-sonic and transonic flows. *SIAM Journal on Mathematical Analysis*, 48(4):2414–2453, ??? 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [WXY15a] Ya-Guang Wang, Feng Xie, and Tong Yang. Local well-posedness of Prandtl equations for compressible flow in two space variables. *SIAM Journal on Mathematical*

Analysis, 47(1):321–346, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Wang:2015:URV

[WXY15b]

Yong Wang, Zhouping Xin, and Yan Yong. Uniform regularity and vanishing viscosity limit for the compressible Navier–Stokes with general Navier-slip boundary conditions in three-dimensional domains. *SIAM Journal on Mathematical Analysis*, 47(6):4123–4191, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

[WZ13a]

1410 (print), 1095-7154 (electronic).

Wang:2013:IRC

Wendong Wang and Zhifei Zhang. On the interior regularity criteria for suitable weak solutions of the magnetohydrodynamics equations. *SIAM Journal on Mathematical Analysis*, 45(5):2666–2677, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Wen:2013:GCL

[WZ13b]

Huanyao Wen and Changjiang Zhu. Global classical large solutions to Navier–Stokes equations for viscous compressible and heat-conducting fluids with vacuum. *SIAM Journal on Mathematical Analysis*, 45(2):431–468, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

[WY13]

Juncheng Wei and Jun Yang. Vortex ring pinning for the Gross–Pitaevskii equation in three-dimensional space. *SIAM Journal on Mathematical Analysis*, 44(6):3991–4047, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Wang:2015:SSS

[WY15]

Ya-Guang Wang and Fang Yu. Structural stability of supersonic contact discontinuities in three-dimensional compressible steady flows. *SIAM Journal on Mathematical Analysis*, 47(2):1291–1329, 2015. CODEN SJMAAH. ISSN 0036-

[WZ16]

Feng-Yu Wang and Xicheng Zhang. Degenerate SDE with Hölder–Dini drift and non-Lipschitz noise coefficient. *SIAM Journal on Mathematical Analysis*, 48(3):2189–2226, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Wang:2016:DSH

- [WZ17] **Wen:2017:GST**
 Huanyao Wen and Changjiang Zhu. Global solutions to the three-dimensional full compressible Navier–Stokes equations with vacuum at infinity in some classes of large data. *SIAM Journal on Mathematical Analysis*, 49(1): 162–221, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [XV10]
- [WZZ15] **Wang:2015:RDL**
 Wei Wang, Pingwen Zhang, and Zhifei Zhang. Rigorous derivation from Landau–de Gennes theory to Ericksen–Leslie theory. *SIAM Journal on Mathematical Analysis*, 47(1):127–158, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [XX10]
- [Xu11] **Xu:2011:GCS**
 Jiang Xu. Global classical solutions to the compressible Euler–Maxwell equations. *SIAM Journal on Mathematical Analysis*, 43(6): 2688–2718, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v43/i6/p2688_s1. [XXK13]
- [Xu16] **Xu:2016:CRG**
 Qiang Xu. Convergence rates for general elliptic homogenization problems in Lipschitz domains. *SIAM Journal on Mathematical Analysis*, 48(6): 3742–3788, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [Xia:2010:TDM]
- Qinglan Xia and Anna Vershynina. On the transport dimension of measures. *SIAM Journal on Mathematical Analysis*, 41(6):2407–2430, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [Xie:2010:EGS]
- Chunjing Xie and Zhouping Xin. Existence of global steady subsonic Euler flows through infinitely long nozzles. *SIAM Journal on Mathematical Analysis*, 42(2):751–784, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [Xu:2013:GWP]
- Jiang Xu, Jun Xiong, and Shuichi Kawashima. Global well-posedness in critical Besov spaces for two-fluid Euler–Maxwell equations. *SIAM Journal on Mathematical Analysis*, 45(3):1422–1447, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

- [XY14] **Xin:2014:AGR**
 Jack Xin and Yifeng Yu. Asymptotic growth rates and strong bending of turbulent flame speeds of G -equation in steady two-dimensional incompressible periodic flows. *SIAM Journal on Mathematical Analysis*, 46(4):2444–2467, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [XYD18] **Xu:2018:RDB**
 Jieren Xu, Haizhao Yang, and Ingrid Daubechies. Recursive diffeomorphism-based regression for shape functions. *SIAM Journal on Mathematical Analysis*, 50(1):5–32, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [XYZ16] **Xin:2016:POA**
 Jack Xin, Yifeng Yu, and Andrej Zlatos. Periodic orbits of the ABC flow with $A = B = C = 1$. *SIAM Journal on Mathematical Analysis*, 48(6):4087–4093, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [XZ15] **Xu:2015:GSS**
 Li Xu and Ping Zhang. Global small solutions to three-dimensional incompressible magnetohydrodynamical system. *SIAM Journal on Mathematical Analysis*, 47(1):26–65, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [XZL10] **Xu:2010:ASC**
 Xiang Xu, Liyun Zhao, and Chun Liu. Axisymmetric solutions to coupled Navier–Stokes/Allen–Cahn equations. *SIAM Journal on Mathematical Analysis*, 41(6):2246–2282, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Yam13] **Yamamoto:2013:AES**
 Masakazu Yamamoto. Asymptotic expansion of solutions to the dissipative equation with fractional Laplacian. *SIAM Journal on Mathematical Analysis*, 44(6):3786–3805, 2013. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). See erratum [Yam16].
- [Yam16] **Yamamoto:2016:EAE**
 Masakazu Yamamoto. Erratum: Asymptotic Expansion of Solutions to the Dissipative Equation with Fractional Laplacian. *SIAM Journal on Mathematical Analysis*, 48(4):3037–3038, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). See [Yam13].

- [YCW10] **Yi:2010:PSG** Taishan Yi, Yuming Chen, and Jianhong Wu. Periodic solutions and the global attractor in a system of delay differential equations. *SIAM Journal on Mathematical Analysis*, 42(1):24–63, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [YFK11] **Yannacopoulos:2011:WCS** Athanasios N. Yannacopoulos, Nikolaos E. Frangos, and Ioannis Karatzas. Wiener chaos solutions for linear backward stochastic evolution equations. *SIAM Journal on Mathematical Analysis*, 43(1):68–113, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v43/i1/p68_s1.
- [YMYC10] **Yin:2010:AMH** G. Yin, Xuerong Mao, Chenggui Yuan, and Dingzhou Cao. Approximation methods for hybrid diffusion systems with state-dependent switching processes: Numerical algorithms and existence and uniqueness of solutions. *SIAM Journal on Mathematical Analysis*, 41(6):2335–2352, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Yos17] **Yoshida:2017:ABS** Natsumi Yoshida. Asymptotic behavior of solutions toward a multiwave pattern to the Cauchy problem for the scalar conservation law with the Ostwald–de Waele-type viscosity. *SIAM Journal on Mathematical Analysis*, 49(3):2009–2036, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [Yos18] **Yoshida:2018:ABS** Natsumi Yoshida. Asymptotic behavior of solutions toward the viscous shock waves to the Cauchy problem for the scalar conservation law with nonlinear flux and viscosity. *SIAM Journal on Mathematical Analysis*, 50(1):891–932, 2018. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [YT11] **Ye:2011:GET** J. Ye and S. Tanveer. Global existence for a translating near-circular Hele–Shaw bubble with surface tension. *SIAM Journal on Mathematical Analysis*, 43(1):457–506, 2011. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). URL http://epubs.siam.org/sima/resource/1/sjmaah/v43/i1/p457_s1.

Yun:2015:EBM

- [Yun15] Seok-Bae Yun. Ellipsoidal BGK model near a global Maxwellian. *SIAM Journal on Mathematical Analysis*, 47(3): 2324–2354, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [YZ14b]

Yuan:2014:LTS

Xiaoping Yuan and Jing Zhang. Long time stability of Hamiltonian partial differential equations. *SIAM Journal on Mathematical Analysis*, 46(5):3176–3222, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Yang:2010:GCS

- [YY10] Tong Yang and Hongjun Yu. Global classical solutions for the Vlasov–Maxwell–Fokker–Planck system. *SIAM Journal on Mathematical Analysis*, 42(1):459–488, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [YZ15]

Yi:2015:ABS

Taishan Yi and Xingfu Zou. Asymptotic behavior, spreading speeds, and traveling waves of nonmonotone dynamical systems. *SIAM Journal on Mathematical Analysis*, 47(4):3005–3034, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Yang:2014:SCT

- [YY14] Haizhao Yang and Lexing Ying. Synchrosqueezed curvelet transform for two-dimensional mode decomposition. *SIAM Journal on Mathematical Analysis*, 46(3): 2052–2083, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [YZ16]

Yu:2016:SCE

Xiang Yu and Shiqing Zhang. Saari’s conjecture for elliptical motions and minimizing solutions of the N -body problem. *SIAM Journal on Mathematical Analysis*, 48(1): 709–724, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Yang:2014:EOV

- [YZ14a] Yisong Yang and Ruifeng Zhang. Existence of optical vortices. *SIAM Journal on Mathematical Analysis*, 46(1): 484–498, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [YZZ10]

Yao:2010:EAB

Lei Yao, Ting Zhang, and Changjiang Zhu. Existence and asymptotic behavior of global weak solutions to a 2D viscous liquid-gas two-phase flow model. *SIAM Journal on*

- Mathematical Analysis*, 42(4): 1874–1897, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [YZZ12] Lei Yao, Changjiang Zhu, and Ruizhao Zi. Incompressible limit of viscous liquid-gas two-phase flow model. *SIAM Journal on Mathematical Analysis*, 44(5):3324–3345, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [ZCO15] Kewei Zhang, Elaine Crooks, and Antonio Orlando. Compensated convexity, multiscale medial axis maps and sharp regularity of the squared-distance function. *SIAM Journal on Mathematical Analysis*, 47(6):4289–4331, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [ZCO16] Kewei Zhang, Elaine Crooks, and Antonio Orlando. Compensated convexity methods for approximations and interpolations of sampled functions in Euclidean spaces: Theoretical foundations. *SIAM Journal on Mathematical Analysis*, 48(6):4126–4154, 2016. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [ZF10] Ting Zhang and Daoyuan Fang. Compressible flows with a density-dependent viscosity coefficient. *SIAM Journal on Mathematical Analysis*, 41(6): 2453–2488, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [ZF12] Ting Zhang and Daoyuan Fang. Global existence of strong solution for equations related to the incompressible viscoelastic fluids in the critical L^p framework. *SIAM Journal on Mathematical Analysis*, 44(4):2266–2288, 2012. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- [ZH10] Wang Zhan and Yin Huicheng. Local structural stability of a multidimensional centered rarefaction wave for the three-dimensional steady supersonic Euler flow around a sharp corner. *SIAM Journal on Mathematical Analysis*, 42(4): 1639–1687, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).

Zhang:2010:CFD

Yao:2012:ILV

Zhang:2012:GES

Zhang:2015:CCM

Zhan:2010:LSS

Zhang:2016:CCM

- [Zha10] **Zhang:2010:UCL**
 Kewei Zhang. On universal coercivity in linear elasticity. *SIAM Journal on Mathematical Analysis*, 42(1): 298–322, 2010. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [ZK15]
- [Zha14] **Zhang:2014:FSK**
 Xicheng Zhang. Fundamental solution of kinetic Fokker–Planck operator with anisotropic nonlocal dissipativity. *SIAM Journal on Mathematical Analysis*, 46(3): 2254–2280, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [ZT17]
- [Zho15] **Zhou:2015:IRF**
 Wei Zhou. Interior regularity of fully nonlinear degenerate elliptic equations I: Bellman equations with constant coefficients. *SIAM Journal on Mathematical Analysis*, 47(3): 2375–2415, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [ZZ14]
- [Zhu15] **Zhu:2015:CSC**
 Shengguo Zhu. On classical solutions of the compressible magnetohydrodynamic equations with vacuum. *SIAM Journal on Mathematical Analysis*, 47(4): 2722–2753, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic). [Zelati:2015:MPS]
- Michele Coti Zelati and Piotr Kalita. Minimality properties of set-valued processes and their pullback attractors. *SIAM Journal on Mathematical Analysis*, 47(2): 1530–1561, 2015. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Zheng:2017:LWP**
 Yunrui Zheng and Ian Tice. Local well posedness of the near-equilibrium contact line problem in 2-dimensional Stokes flow. *SIAM Journal on Mathematical Analysis*, 49(2):899–953, 2017. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).
- Zhang:2014:GWP**
 Qian Zhang and Xiaoxin Zheng. Global well-posedness for the two-dimensional incompressible chemotaxis-Navier–Stokes equations. *SIAM Journal on Mathematical Analysis*, 46(4):3078–3105, 2014. CODEN SJMAAH. ISSN 0036-1410 (print), 1095-7154 (electronic).