A Complete Bibliography of Publications of Claude Elwood Shannon

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Abstract
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Title word cross-reference

$27$ [Sil18]. $4.00$ [Mur57]. $7 \times 10$ [Mur57]. $H'$ [Siq98]. $n$ [Sha55d, Sha93-45].
$P/N \to \infty$ [Sha48]. $s$ [Sha55d, Sha93-45].


2001 [Gal03, Jam09, Pin01]. 2D [ZBM11].

3 [Cer17].

978 [Cer17]. 978-1-4767-6668-3 [Cer17].
Aberdeen [FS43]. ablation [GKL +13]. above [TT12]. absolute [Ric03].
Abstract [Sha55c]. abundance [Gor06]. abundances [Ric03]. Academics [Pin01].
Age [ACK +01, Cou01, Ger12, Nah13, SG17, Sha02, Wal01b, Sil18, Cer17].
A’h [New56]. A’h-mose [New56]. Aid [Bro11, Sha78, Sha93y, SM53].
Albert [New56]. alcohol [SBS +13]. Algebra [Roc99, Sha40c, Sha93a, Jan14].
alignments [CFRC04]. alpha [BSWCM14]. alpha-Shannon [BSWCM14].
Alphabets [GV15]. Alternate [Sha44e]. Ambiguity [Loe59, PGM +12].
America [FB69]. American [Ger12, Sha78]. among [AALR09, Di 00].
Amplitude [Sha54a]. Analogue [Sha43a, Sha93b]. analogues [Gor06].
analyses [SBS +13]. Analysis [Sha37, Sha38, Sha93-51, GB00, RAL +07, SGB02, TKL +12, dTS +03].
analyze [HGR +12]. Analyzer [MS53a, MS53b, MS93c, Sha93-27, Sha41d, FS43].
Anecdotes [TWA +87]. angular [CS09]. Animal [Sha49d, Sha93-41]. Apparatus [Sha51b].
Applicability [Tim02]. Application [AALR09, JAS89, Sha48h, TWA +87, WVB10, FW +00, POA +08, Rif85, SAK06]. Applications [Fel66, Fel71, Fel09]. Applied [BLR +02, BLR +01, MBD +03, dTS +03].
Applying [ABS +13]. Approach [Sha48], Sha55c, Sha93-38, BB88, LR05, Pri84, Pri85, RS06, Rog94, Wri67].
Automata [SM56, SM74, Sha93m, Sha93-60, SW93a, Sha53c, Sha58c, Mur57].
Automaton [SM74]. Automatic [Min95]. Automation [Min95, Sha63a, Sha93n]. avoided [GFD03]. award [Han10, Ano40b, Bar01, Kha16]. Awards [Pin01].

B [HGR +12, SW93b]. backgrounds [WMS +12]. Backlash [Sha41a, Sha93c].
bacterial [ABS +13]. Ballistic [FS43]. Band [Sha54a]. Bandwagon [Sha56a, Sha93d]. Bandwidth [Sha44d]. basada [Pla06]. base [JGH00].
Based [FM99, APMS +12, BQhH08, CFRC04, HSBJ02, Koc05, LM03, MBD +03, NS12, WGB09, WBB +12]. Bayes [APMS +12, AES17]. Be [Far03, Far02]. Beautiful [Far03, Far02]. before [Min02]. Behavior

C [Mur57, Sug13, Wal01a, SW93i]. Calcul [Loe59]. calculation [Sha57b, Loe59]. Calculations [HWO90, SGB02]. Calculator [Sha93-42]. calvarial [RAL+08]. cancer [APMS+12]. Candidates [Pin01]. Capacity [BSWC14, Bot88, GV15, Mar08, Sha56g, Sha56i, Sha57c, Sha93-47, Sha93-61, Sch06, Sha57b, SJ04, TT12]. Capazität [Sha57b]. Case [Hag79, Sha48a]. cases [Key05]. Cathode-Ray [PST48]. cathode-ray [PST48]. caused [SBS+13]. Celebrating [Zac16]. cellular [RFME+12]. Century [Sha93m, WL85, Sha63a]. Certainly [Nyq24, Nyq28, Sha48f, Sha57a, Sha93f]. chain [Koc05]. chain-based [Koc05]. chains [BM11]. Channel [Sha48a, Sha56c, Sha56g, Sha56i, Sha57c, Sha93-36, Sha93-47, Sha93-61, Sch06, Sha57b, Sha59c]. Channels [Sha58a, Sha93f, Sha93g, Sha93w, Sha93x, Sha93-32, Sha93-57, POA+08, Sha57a, Sha58b, Sha61, SGB67a, SGB67b, TT12]. Chaos [Sch91]. Characteristic [Sen05]. characterizing [JGH00]. checking [FM99]. chemical [SSAK06]. Chess [Sha50b, Sha93h, Wha78, Levy88, Sha50g, Sha93-37]. Chess-Playing [Sha50b, Sha93h]. China [BQuH08]. Cipher [AMS+10, HN09]. Circuit [GBR07, HS46, MS53a, MS53b, MS53c, MS93c, MS93d, Sha53j, Sha93y, SM53]. Circuits [FM99, MS54, MS93a, MS93b, OS44, OS93, Sha37, Sha38, Sha41b, Sha44e, Sha49f, Sha55e, Sha93-51, Sha93-48, Sha93-53, SW93d, Jan14, MS56a, MS56b]. classical [SS07]. classification [APMS+12]. Claude [Ano01c, Cer17, Sij18, TW4+87, Ano0a, Ano40b, Ano00, Ano01a, Ano01b, Ano02, Bar01, Bro11, CS01, CLM+01, Cou01, Ell84, Eme01, Eph01, Gal98, Gal01, Gal03, Gol01, GBC+02, Gui03, Han10, Hor90, Hor11, Jam09, Joh01, Kha16, Lew01, Nah13, NWV94, OR12, Pin01, Pri82, Pri84, Pri85, Roc10, Roc11, Sch06, Sha82a, Sha02, Sha14, Sla97, SW93k, SW93l, SW93n, SW93b, SG17, SF03, SK01, Str14, Van89, Wal01b, Zac16]. Closing [Gui04]. Closure [Sha44c]. Clustering [DGH+06]. coasts [YLR+10]. Cobol [Bar01]. Code
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coherence [LMC11, YN11]. coherent [RM06, YN11]. collected [SW93k].


Color [Sha40a]. Coloring [Sha93-54, Sha93g]. Combining [Gor06].

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Computability [dLMS54, dLMS56, dLMS93]. Computation [Bar01, Sha50j, Sha93-42, Ric03, Zee02]. Computer [Lap96, Lev88, Wha78, Bro90a, Sha50g, Sha93-37, Smi05, WL85, Pin01, Sha50j]. Computers [Sha53c, Sha53h, Sha63a, Sha93m, Sha93a, Sha93-33, SW93d, Sug13].


Counting [Ell09, Kör96, Sha44b, Sha44e, Koc05, LM03]. created [Nah13]. Creative [Sha52a]. Criteria [Sha41b]. Criterion [Sha59b, Sha93i, Sha60].


Dartmouth [MMS06]. Data
[Bro11, Gal03, GBC+02, Jam09, SW93k, SW93l]. **EMC** [Pin01]. **Employing** [OS46]. enabled [WMS+12]. **encryption** [Gag98]. **engineer** [Nah13]. **Engineering** [Cer88, Hag79, FFF09, Smi05, WL85]. **Engineers** [Ano40b, Tra10, Jam10]. **England** [Sha78]. **English** [Sha51a, Sha93-34]. **Enigma** [Ano16, LHA+16]. **Ensembles** [Sha48e]. entanglement [POA+08, ZBM11]. entropic [NS12]. entropies [APMS+12, GWZC12, LR05, WMS+12, ZBM11]. Entropieverminderung [Szi29]. **Entropy** [BLR+02, GB01, GV15, HGR+12, JSMS12, LMC11, PGM+12, RFME+12, Sav04, Sha51a, Sha93-34, Szi64, WVB10, ABS11, BLR+01, CFRC04, FMS03, FCW+00, GKI+13, GB00, GFD03, GPM06, HTR+08, Key05, Koc05, Let06, Lim07, LM03, MHBL12, Mat94, NS12, NS10, PP06, RAL+07, RM06, Ric03, RS06, RAL+08, SSK+05, Sen05, SK04, SS07, SBS+13, SGB02, S96, Szi29, Szi76, TKL+12, WGB09, YN11, Zha09, dPV00, dTS+03]. entropy-based [CFRC04, WGB09]. **Entropy-TOPSIS** [JSMS12]. Entstehung [Hag79]. Environmental [YLR+10, JSMS12]. Equation [Sha42, Sha93-55]. Equations [Far03, FS43, Ale03, Far02]. Ergebenisse [Sha57b]. **Ergodic** [Sha48e]. Error [Sha56c, Sha56i, Sha93w, Sha93x, Sha93-36, Sha93-61, Sha59c, SGB67a, SGB67b, Wri67]. error-correcting [Wri67]. Errors [Mar08]. essential [Gui03]. Estimates [Sav64]. Estimating [Let06]. Estimation [BSWCM14]. **Europe** [FB69]. evenness [YLR+10]. event [dTS+03]. event-related [dTS+03]. evidence [Tho90]. evolution [HGR+12]. **Exact** [Cro63]. Exam [NWV94]. Exchange [Sha50d, Sha93-28]. expected [ABS11]. experiment [YN11]. **Experimental** [LCW+16, Sha41e, Sha93-46]. Experimentally [LHA+16]. Expert [Bar01, NWV94]. Explicit [Sha53f]. **Exposition** [Sha53a, Sha53b, Sha93k]. expression [SGG04]. extension [BB88].


[Rif85]. incontinence [TKL+12]. Increases [Pin01]. Increasing [CS09]. independent [Rif85]. Index [JAS89, BQH08, BKU+’94, Di 00, Gor06, ID00, Key05, Lei07, Pla06, RS06, Siq98, SF03, WC99, Zha09]. India [JAS89]. indicator [GFD03]. indice [Pla06]. indices [Gor06]. individual [dPV00]. induced [SBS+13]. Industrial [Hag79]. Industrie [Hag79]. Industrie [Hag79]. Industry [Cer88, RFME+12]. Inequalities [KNS17]. Inequality [GV15]. Inference [Pla06, Wri67]. Inferencia [Pla06]. inflammatory [SBS+13]. Inform [San05]. informacii [DL63]. Information [ACK+01, All04, Ano53, Ano98, Ano01a, Asp85, Bro00b, Cro63, DGH+06, DL63, Gal06, HW090, Hor90, Lom05, Roc10, Roc11, Sav11, Sha49c, Sha50c, Sha52b, Sha53e, Sha56b, Sha58a, Sha59a, Sha63b, Sha68b, Sha93g, Sha93t, Sha93u, Sha93-49, Sil18, SW93c, Som09, Str14, SG18, Tim02, WVB10, Zee02, ABS+13, Ale03, Cer17, CHC+04, CHC+05, CCHL05, CLM+01, Eil09, Eme01, GWZC12, Gui03, Hor11, HSBJ02, HTR+08, JGH00, Lei07, Liu07, LHV16, LR05, LS10, Lyn77, MBB+03, Nah13, Rif85, RD04, SSAK06, Sch06, Sen05, SK04, Sle74, SG17, SJ04, SD96, Tho09, Tim03, YCS12, Col93, Roc10, Sha56d, Sha02, Som09, Roc11]. Informationskonzepten [Hag79]. Informationstheorie [SW76]. Infrequent [Sha54b, Sha93q]. innovation [Ger12]. Input [Sha55b, Sha93p]. Institute [Ano40a]. Instructor [Ano40b]. integral [SJ04]. integrated [JSMS12]. Integration [FS43, Sha50h]. intellectual [FB69]. intelligence [MMS06]. Intelligent [Szi64, Szi29, Szi76]. intelligenter [Szi29]. interference [Szi29, Szi76]. Internal [Sha54c, Sha93-58, Sha56h]. International [Pin01]. interpolation [Mar91, Mar93]. Interpretation [Lom05]. interval [MHBL12]. Intervention [Szi64]. Interview [Pri82, TWA+87, Van89]. Introduction [Fel06, Mar91, TWA+87, Fel71, Fel09]. Intuitive [Roc99]. invasive [TKL+12]. Invented [Sil18, Ano01b, Cer17, SG17]. Invests [Pin01]. Involvement [Pin01]. Ioan [Tra10]. Iran [JSMS12]. Irving [TWA+87]. ISBN [Cer17]. Italian [SW71, SW83]. Iterative [WVB10].


Laboratory [HS54, HS93, Sha93-42, Sha50j]. Labs [Ger12, Min95]. laid [Ano01b, Eme01]. Lakatos [Sha40b, Sha93-59]. L’Ambiguité [Loe59]. Language [Sav64]. Large [DS46, DS93, Mar08]. Large-scale [Mar08]. laser [HTR+08]. Lattice [Sha53e, Sha93u]. Lattices [Sha49e, Sha93-43]. Laws [Sch91, ID00, Pic08]. Leap [Ano16]. Learning [Hig63, Sha14]. Least

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Military [Hag79]. Mind
[Sha53g, Sha93-30]. Mints [Bro00a, Pic08]. Minimize [Sha44d].
miscellaneous [SW93l]. Mixed [Sha45b]. Model [Efr08, De’12], models
[PP06, RFME+12]. Modern [Far03, Far02]. Modest [Sha78]. Modification
[WC99]. Modified [BSWCM14, YLR+10]. Modulation [OS46, Sha43b].
module [Jan14]. Molecular [HWO90, GB00, GB01, LM03, RFME+12, SGB02]. molecules [Liu07].
momentum [AALR09, CS09, GWZC12]. monotonicity [SS07]. mose
[New56]. m¨oter [NWV94]. mouse [Zee02]. Moving [Sha50e, Sha93-29].
MRI [LS10]. much [Eme01]. multidimensional [HN09]. multinomial
[De’12]. multiple [De’12, Rif85]. multiverse [Bro00a]. Must [Far03, Far02].
mutations [HGR+12]. Mutual [DGH+06, HSBJ02, Lei07, MBD+03].
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[HGR+12]. Network [EFS56, EFS93, Sha48d, Sha93-31, Sha93-54, Sha49g].
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[ABS11, Sha58c, Sha93-60, TWA+87, UKTS68, UKTS69]. Neural
RFME+12, YCS12]. News [Bar01]. No [Sha82a, SW93b]. No-Drop
[Sha82a, SW93b]. Noble [Ano40b]. Noise
[Bot88, Sha93j, Sha49a, Sha84a, Sha84b]. Noise-Like [Bot88].
Noisy [Sha48a, Sha56d, Sha56c, Sha56i, Sha93f, Sha93-61, Sha57a]. Non
[TKL+12, Rif85, WMS+12]. non-coding [WMS+12]. non-independent
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RAL+07]. Nonlinear [TT12]. Nonoverlapping [Sha44d]. nonuniform
GWZC12]. Norbert [Sha49d, Sha93-41]. Normal [Sha48c]. normality
[Siq98]. Notation [Sha50a, Sha93-52]. Note
[EF56, EFS93, Sha47f, Sha48g, Sha93-32, Sha58b, Sha84b]. Notes
[Go49, Sha56d, Sha56c, SW93g, SW93h, SW93i]. novel [GB00]. Number
[DS46, DS93, RS93, RS42, SJ04]. Numbers [Sha48f, Sha50a, Sha93-52].
Numerical [YN11]. Nyquist [Ano17, WBB+12].
Obituary [CS01]. objective [RAL+08]. Obtaining [Cro63]. Oh [Wei88].
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[Sha53j]. Operators [Sha41g]. opinion [ID00]. Optical [CSJJ10]. Optimal
[Sha93-36, Sha59c]. Optimization [WBB+12]. orbital [CS09]. order
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Origin [Yoc00]. Outfit [HS54, HS93]. Overdamped [Sha41a, Sha93c].
P.C.M. [OS44, OS93]. packets [HSBJ02]. Page [Ano93]. pages [Mur57].
Panel [HS46]. Papers
[Bro11, CMU+53, CMU+93, Lap96, Sle74, SW93k, DL63]. Parallel
[WVB10]. Quantitative [AALR09]. Quantum [Ano16, LHA+16, Tim02, Bro00a, LCW+16, POA+08, Tim03, ZBM11]. quasispecies [HGR+12]. quest [Bro00a].


relationship [Liu07, YN11]. relative [Ric03, Wri67]. Relay [HS54, HS93, MS53b, MS53c, MS93d, Sha37, Sha38, Sha40b, Sha41b, Sha50j, Sha93-42, Sha93-51, Sha93-59]. Relays [MS54, MS93a, MS93b, MS56a, MS56b]. Reliable [MS54, MS56a, MS56b, MS93a, MS93b, Sha56f]. Reluctant [Wal01b]. Remarkable [Jam10, Tra10]. Remembering [Ano02]. Reminder [Pin01].

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Reversing [Sha48g]. Review [Cer17, Doo49, Doo18, Mur57, Roc99, Sha49d, Sha49e, Sha50j, Sha93-41, Sha93-42, Sha93-43, Tra10, Roc10, Sil18].

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richness [Gor06, Pla06, SF03]. rigorous [SF03]. Rings [Sha48d, Sha93-31].

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Rob [Cer17, Doo18, Sil18]. Robot [Bar01]. role [ID00]. Rosen [Per05].

rotational [GKL+13]. Rubik [Sha82b]. Rubric [Sha82b]. ruﬁventris [dPV00]. Rufous [dPV00]. Rufous-bellied [dPV00]. Russian [DL63].

S [TWA+87]. sample [Siq98]. Sampling [BERS86, Cro63, HDC96, Sha48i, Ano17, JZL98, Mar91, Mar93]. scale [Mar08]. scaling [ID00, Ric03, SK04]. School [Pin01]. Schuster [Cer17, Sil18]. Science [Bar01, Far03, Hig63, Lap96, Pin01, SG18, Far02, FFF09, Lyn77, Ptc08, Smi05, WL85]. Scientific [Asp85, Sha80, Sha93-44, Bel53]. scientists [Bel54]. Scribe [New56].


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segmenting [Zha09]. seinen [Roc10, Roc11]. Selectivity [WVB10]. Self [FM99]. Self-checking [FM99]. Semantic [Som09]. Semicentennial [Hig63]. Sender [HS46, Sha40b, Sha93-59]. sensitive [GB01]. separated [Ano01b]. September [Ano53, Van89]. Sequences [HWO90, Sha48k, SD96, Zha09]. Series [BERS86, RS93, Sha43a, Sha93b, RS42, dTS+03]. Shannon [Bot88, Cer17, Gal03, Jam09, Kha16, Mur57, NS12, Pin01, RFME+12, Roc10, SI18, Som09, SK01, TWA+87, APMS+12, AMS+10, ABS+13, Ale03, All04, AL07, ABS11, Ano40a, Ano40b, Ano00, Ano01a, Ano01b, Ano01c, Ano02, Ano17, AALR09, AES17, Bar01, BB88, BSWM14, BQH08, BKU+94, Bre63, Bro11, Bro00b, BLR+01, BLR+02, BERS86, CS01, CFRC04, Cer88, CHC+04, CHC+05, Cha72, CCHL05, CS09, CLM+01, Col93, Cou01, Cro63, Cro01, DGH+06, De’12, Di00, Efr08, Ell09, Ell84, Eme01, FM99, FMSS03, FCW+00, Gag98, Gal01, GKL+13, GBR07, GB00, GB01, Gol01, GBC+02, GWZC12, GFD03, Gor06, GPM06, Gui03, GV15, HN09, HDO96, Han10, HWO90, HGR+12, Hor90, Hor11, HSBJ02, HTR+08, ID00, JGHO, Jam10, Jan14, JAS89, JZL98, Joh01]. Shannon [JSMS12, Key05, KNS17, Koc05, LP12, LMC11, Lei07, LB08, Let06, Lew01, Lin07, Loe59, Lon05, LH16, LR05, LM03, LS10, Lyn77, MHB12, Mar08, Mar91, Mar93, Mat94, MPP97, MBD+03, Nah13, NS10, NWV94, O’R12, PP06, PG+12, Per05, Pla06, POA+08, Pri82, Pri84, Pri85, RA+07, RM06, Ric03, RS06, Rif85, Roc99, Roc10, Roc11, RA+08, RD04, SSASK06, SB05, Sav11, Sav64, Sch06, SSK+05, Sen05, Sha82a, Sha02, Sha07, Sha14, SK04, SS07, SBS+13, Siq98, Sha97, SW93k, SW93l, SW93m, Smi05, SG17, SF03, SGB02, SJ04, SD90, Str14, SGG04, SG18, Tho09, Tim02, Tim03, TKL+12, TT12, Van89, Ver98, Wal01b, WGB09, WBB+12, WMS+12, WY08, WY10, WY99, Wri07, YN11, YCS12, Yoc00, YLR+10, Zac16, ZBM11, Zee02, Zha09, dPV00]. Shannon [dTS+03, Tra10]. Shannon-entropy-based [NS12]. Shannon-information [SK04]. Shannon-type [KNS17]. Shape [Sha44d]. Shapes [Bar01]. Sharing [ID00]. SHED [GPM06]. Shortz [Efr08]. show [YN11]. Side [Sha58a, Sha93g]. Signal [Sha50c, Sha54a, Sha93-29, HTR+08]. Signals [BERS86, IDC96, HTR+08, JGHO0]. Significance [Sha48h]. Silico [PGM+12]. similarity [WGO90]. Simon [Cer17, Sil18]. Simplified [BS50, BS93]. Simpson [Go06, Key05]. simulations [LM03]. Simultaneous [Sha55d, Sha93-45]. single [Go06]. sites [GKL+13]. size [SK04]. skräck [NWV94]. small [New56]. Smoothing [BBS46, BS50, BS93, Sha41c, Sha41g, Bla65]. Sociable [Bar01]. Social [RFME+12]. Society [Pin01]. solubility [SGB02]. Solution [Sha53f]. Solutions [LS35, SSS34]. Solving [Sha51c, Sha53f, Sha93-35, Pri84, Pri85]. Some [Sha41f, Sha41e, Sha48i, Sha52b, Sha55e, Sha56g, Sha57c, Sha93-50, Sha93-46, Sha93-47, Sha93-48, Sha93-49, Tho09, Sha57b]. Soni [Cer17, Doo18, Sil18]. Sorry [San05]. sorting [HSB02]. Source [Sha54b, Sha53a, Sha93b, Sha93i, Sha93q, Sha60]. space [GWZC12]. Spanish [Pla06, SW81]. special [Key05]. species [BQH08, Ric03, SF03].
specificity [SSK+05]. Spectral [Zac16]. Speed [Nyq24]. Spielzeug
spectral-graph [APMS+12]. Splines [BERS86]. Square [BS50, BS93]. Stable
[WMS+12]. Staff [Sha50j, Sha93-42]. state [PP06]. States
[Sha54c, Sha93-58, Sha56h]. Statford [BKU+94]. Statistical
[Sha45b, Shia93q]. status [Wri67]. Staying [Sha07]. stem
[WMS+12]. Stephen [Sha49e, Sha93-43]. Storage [Bot88]. straightforward
[LR05]. Strategic [Pin01]. strategy [WGB09]. stress [TKL+12]. strong
[GFW03]. Structures [Sha49e, Sha93-43]. Student [Pin01]. Studien [SM74].
Studies [SM56, SM74, SW93a, Mur57]. Study
[Sha79, Sha41f, Sha93-50, CLM+01, Rog94]. style [CLM+01]. sub
[TKL+12]. subcutaneous [SBS+13]. subjects [HTR+08, Szi29, Szi76]. Submodular
[KNS17]. Subscriber [Sha40b, Sha93-59]. summer [MMS06]. Subset
[GV15]. Supply [LB08]. supposed [Tim03]. Survey [Asp85]. Swedish
[NWV94]. Switching [Cha72, Sha37, Sha38, Sha46, Sha49f, Sha53i, Sha55d, Sha93y, Sha93-39, Sha93-51, Sha93-45, Sha93-53, CSJ10, SM53]. Symbol
[Sha54b, Sha93q]. Symbolic [Sha37, Sha38, Sha93-51, Let06, Szi13].
Symmetrical [Sha50a, Sha93-52]. Symposium [Ano53]. synonymous
[Zee02]. Synthesis [GBR07, Sha49f, Sha55d, Sha93-45, Sha93-53].
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[OS46, Sha43a, Sha93b, Szi29, Szi64, SSAK06, Szi76]. Systems
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Sch06, Sha41d, Sha57a, Sha58c, Sha63b, SW64, SW69, SW72, SW75b, SW78, SW81, Sha97, Sle74, Tho09, Ver98, WBB+12, Wri67, Yoc00.

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thermodynamischen [Szi29], Theseus [Sha14], thesis [Eme01], Thinking [Sha52a], Three [CMU+53, CMU+93, SJ04], three-dimensional [SJ04].

Throbac [Sha53k, Sha53j, Sha93-56]. thrush [dPV00]. Time [Sha43a, Sha54a, Sha93b, Hor11, LMC11, dTS+03]. time-varying [LMC11].

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