A Complete Bibliography of Publications of Claude Elwood Shannon

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Abstract
This bibliography records publications of Claude Elwood Shannon (1916–2001).

Title word cross-reference

$4.00$ [Mur57]. 7 × 10 [Mur57]. $H'$ [Siq98]. $n$ [Sha55d, Sha93-45]. $P/N \to \infty$
[Sha48j]. $s$ [Sha55d, Sha93-45].


2001 [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]. According [Sav64], account [RAL +08], accuracy [SGB02].

activation [GKL +13], Active [LB08]. Actually [Sha53f], Advanced [Mar93]. Affecting [Nyq24], After [Bot88, Sav11], After-Shannon [Bot88].

Age [ACK +01, Cou01, Ger12, Nah13, SG17, Sha02, Wal01b, Cer17]. A’h [New56], A’h-mose [New56]. Aid [Bro11, Sha78, Sha93y, SM53]. Albert [New56].

alcohol [SBS +13], Algebra [Roc99, Sha40c, Sha93a, Jan14]. algorithm [Cha72, HDC96, LM03], 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 [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, FCW +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].

approximation [Koc05], April [Jan09], aqueous [SGB02], Archimedes [Pic08], architectural [SBS +13], area [JSMS12], aromaticity [NS10].

Articulation [Lei07], artificial [MMS06], Aspects [Sha80, Sha93-44], assemblages [Sc99], assess [RFME +12], assessment [BQhH08, JSMS12].

Associative [Bot88], asynchronisms [RAL +07], atomic [AALR09, GFD03, SK04]. atoms [Liu07, Sen05]. Atrial [LMC11, GKL +13], attack [HN09], August [MMS06], Austria [Van89], Automata [SM56, SM74, Sha93m, Sha93-60, SW93a, Sha53c, Sha58c, Mur57].

Automaten [SM74]. automated [Min95]. Automation [Min95, Sha63a, Sha93n], avoided [GFD03], award [Han10, Ano40b, Bar01, Kha16].

Awards [Pin01].

B [HGR +12, SW93h], 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]. Be [Far03, Far02].

Beautiful [Far03, Far02], before [Min02], Behavior [DS46, DS93], behind [Pic08]. Beings [Sai64], Bell [Ger12, Min95], bellied [DPV00].

Berechnung [Sha57b]. Best [Sha41a, Sha93e], beta [MHBL12], Betting [Sha56d].
Between [Min02, Liu07, RS06, Zha09]. beyond [LP12]. biases [Zee02].

Bihar [JAS89]. Binaire [Loe59]. Binary [Bar01, Loe59, Sha54b, Sha93q, SGB02].

Biodiversity [Pla06]. Biographical [Gal03, Rog94]. Biographies [Cor87, Wei88].

Biological [HWO90, Ric03]. biologist [Sch06], biology [Sch06]. biomarkers [APMS +12].

Biopolitics [Roc99]. Bipolar [GKL +13]. bit [Ale03, Ano01b]. bold [FFF09].


Bounds [Mar08, Sha54a, Sha93w, Sha93x, SGB67a, SGB67b]. box [LM03].

box-counting-based [LM03]. brave [FFF09]. breaking [Eme01]. Breed [Bar01].

Bridging [RS06]. brief [Cro01]. Building [Hag79]. Builds [Bar01].

Bush [Sha93v, Sha39].

C [Mur57, Wal01a, SW93i]. Calcul [Loe59]. calculation [Sha57b, Loe59].

Calculations [HWO90, SGB02]. Calculator [Sha93-42].

calvarial [RAL +08]. cancer [APMS +12]. Candidates [Pin01]. Capacity

[BSWCM14, Bot88, GV15, Mar08, Sha56g, Sha56i, Sha57c, Sha93-47, Sha93-61, Sch06, Sha57b, SJ04, TT12].

Capazit¨at [Sha57b]. Case [Hag79, Sha48a]. cases [Key05].


Celebrating [Zac16]. cellular [RFME +12]. Century

[Sha93n, WL85, Sha63a]. Certain [Nyq24, Nyq28, Sha48f, Sha57a, Sha93f].


Channel [Sha48a, Sha56c, Sha56g, Sha56i, Sha57c, Sha93-36, Sha93-47, Sha93-61, Sch06, Sha57b, Sha59c].

Channels [Sha58a, Sha93f, Sha93g, Sha93x, Sha93-32, Sha93-57, POA +08, Sha57a, Sha58b, Sha61, SGB67a, SGB67b, TT12].

Characteristic [Sen05]. characterizing [JGH00]. checking [FM99].

chemical [SSAK06]. Chess [Sha50b, Sha93h, Sha9337]. Chess-Playing

[Sha50b, Sha93h]. China [BQhH08]. 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, Sha55c, Sha93-51, Sha93-48, Sha93-53, SW93d, Jan14, MS56a, MS56b].

Classical [SS07]. classification [APMS +12]. Claude

[Ano01c, Cer17, TW +87, Ano04a, Ano04b, Ano00, Ano01a, Ano01b, Ano02, Bar01, Bro11, CSM01, CLM +01, Con01, Ell84, Eme01, Eph01, Gag98, Gal01, Gal03, Gol01, GBC +02, Gui03, Han10, Hor09, Hor11, Jam09, Joh01, Kha16, Lew01, Nah13, NWV94, O’R12, Pin01, Pri82, Pri84, Pri85, Roc10, Roc11, Sch06, Sha82a, Sha02, Sha14, Sla97, SW93k, SW93i, SW93h, SG17, SF03, SK01, Str14, Van89, Wal01b, Zac16].

Closure [Sha44c]. Clustering [DGH +06]. coasts [YLR +10].

Code [Bar01]. Code [Loe59, OS46, Sha43b, Wri67]. Codes [Sha93-36, Sha59c].

Coding [Bot88, Gol49, Sha40a, Sha48a, Sha53d, Sha54b, Sha55c, Sha59a, Sha59b, Sha60, Sha93f, Sha93i, Sha93q, Sha93s, Sha93w, Sha93x, Sha93-38, TW +87],
Sha57a, SGB67a, SGB67b, WMS+12, Zee02]. **codon** [FMSS03, Zee02].

**coherence** [LMC11, YN11]. **coherent** [RM06, YN11]. **collected** [SW93k].

**Collection** [Bro11]. **Colleges** [HS54, HS93]. **colon** [APMS+12]. **Color** [Sha40a]. **Coloring** [Sha93-54, Sha49g].

**Combining** [Gor06]. **Communication** [Hag79, OS46, Sha48b, Sha48c, SW49, Sha56f]. **Compound** [WVB10]. **compounds** [SGB02].

**Computability** [dLMSS54, dLMSS56, dLMSS93]. **Computation** [Bar01, Sha50j, Sha93-42, Ric03, Zee02]. **Computer** [Lap96, Lev88, Wha78, Sha70g, Sha93-37, Smi05, WL85, Pin01, Sha50j].

**Computers** [Sha53c, Sha53h, Sha63a, Sha93m, Sha93-33, SW93d]. **Computing** [Bul15, DM15, Sha85, WAL01a, LM03, Min02].

**concepción** [SW81]. **comunicación** [SW71, SW83]. **Concavity** [Sha55b, SH56, Sha93o, Sha93p]. **concept** [GB00]. **Concepts** [Som09].

**conceptual** [Ell09, Tim03]. **Conceptualization** [Asp85]. **concerning** [Tho09]. **confidence** [MHBL12]. **confidentiality** [Gag98]. **configuration** [WBB+12]. **confined** [Sen05]. **Congress** [Bro11]. **Connected** [DS46, DS93, Sha07]. **Connection** [Pin01]. **connectivity** [RFME+12].

**conservation** [BQhH08]. **Consistency** [Sha91b]. **Contacts** [Sha53a, Sha93-39]. **Content** [WVB10, Rif85]. **context** [CLM+01].

**continued** [Sha48c]. **Continuous** [Sha43a, Sha93b]. **Contributions** [Sha93-60, Wea53, Sha58c]. **Control** [BBS46, Min95, Sha49d, Sha51b, Sha93-41, Min02].

**Controversies** [Bar01]. **Convergence** [GV15]. **conversation** [Ell84, Pri84, Pri85]. **Corporation** [Pin01]. **correcting** [Wri67]. **correlation** [RD04]. **Counters** [Sha44b].

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

**critical** [ZBM11]. **Crossbar** [HS46]. **crossings** [GFD03]. **Crossword** [Efr08]. **Crummy** [MS54]. **Cryptography** [Roc99, Sha45a, SW93c, BB88].

**Cryptology** [Roc99]. **crystalline** [SBS+13]. **CSIDC** [Pin01]. **Cubic** [BERS86]. **Cubics** [Sha82b]. **Cybernetics** [DL63, Sha49d, Sha68a, Min02, Sha93-41].

**Dartmouth** [MMS06]. **Data** [BSWCM14, BBS46, Cor87, Sha41c, WVB10, Bla65, LCW+16, LHA+16].

**data-smoothing** [Bla65]. **database** [GB01]. **Datalog** [KNS17].

**Daubechies** [JZL98]. **Days** [Bul15]. **Decomposition**

Dependent [WVB10]. Derivation [BS50, BS93]. Derivatives [Sha54a]. Demonstrate [Sha14]. demonstrating [LHA+16]. Demonstration [Sha14]. densities [AALR09, Liu07].
[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, FMSS03, FCW +00, GKL +13, GB00, GFD03, GPM06, HTR +08, Key05, Koc05, Let06, Liu07, LM03, MHLB12, Mat94, NS12, NS10, PP06, RAL +07, RM06, Ric03, RS06, RAL +08, SSK +05, Sen05, SK04, SS07, SBS +13, SGB02, SD96, 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]. **Ergebnisse** [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** [Tho09]. **evolution** [HGR +12]. **Exact** [Cro63]. **Exam** [NWV94]. **Exchange** [Sha50d, Sha93-28]. **expected** [ABS11]. **experiment** [YN11]. **Experimental** [LS1 +16, Sha41e, Sha93-46]. **Experimentally** [LHA +16]. **Expert** [Bar01, NWV94]. **Explicit** [Sha53f]. **Exposition** [Sha53a, Sha53b, Sha93k]. **expression** [SGG04]. **extension** [BB88].

**Factors** [Nyq24]. **factories** [Ger12]. **Fair** [Pin01]. **Fallstudie** [Hag79]. **Fast** [GV15]. **Father** [Ano98, Ano01a, Hor90, Sha02, Wal01b, Hor11]. **fear** [NWV94]. **feature** [GPM06]. **features** [SSK +05, Sen05]. **February** [Jam09, Sha93v]. **Feedback** [Sha44c, Min02]. **female** [Di 00]. **Fibrillation** [LMC11, GKL +13]. **Fidelity** [Sha59b, Sha93i, Sha60]. **fields** [GFD03, dR55]. **Fifty** [Ver98]. **filter** [CFRC04]. **Finders** [Sha41f, Sha93-50]. **Finding** [Bro11]. **Finds** [Bar01]. **Fine** [LB08]. **Fine-grained** [LB08]. **Finest** [Min95]. **fingerprint** [WGB09]. **Finite** [SK04, YCS12]. **Fire** [BBS46]. **Fire-Control** [BBS46]. **First** [Bre63, Hor11, Ric03]. **Fisher** [AALR09, HTR +08, Liu07, RD04, YCS12]. **Flaw** [Bar01]. **Flow** [EFS56, EFS93, CSHJ10]. **flowmetry** [HTR +08]. **fluctuations** [RM06]. **fMRI** [dTS +03]. **foray** [Cro01]. **Forecaster** [Sha56e]. **forest** [BQH05]. **Formal** [Som09]. **Formula** [BSWCM14, Sha50h]. **formulate** [Sch06]. **Foundational** [Tim02]. **founding** [Ano01b, Ell09]. **Founder** [Ano01c, Sch06]. **Four** [DS46, DS93]. **Four-Terminal** [DS46, DS93]. **Fourier** [JGH00]. **Fourth** [Sha78]. **Fourth-Dimensional** [Sha78]. **Fractal** [SB +13, RAL +08]. **fractional** [CS09]. **Framework** [Ali04]. **free** [SS07]. **French** [Loe59, SW75a]. **Frequencies** [PGM +12]. **Fresnel** [LP12]. **Frontiers** [SG18]. **Frontmatter** [SW93e]. **Function**
Nachrichtentechnik [Hag79]. Naive [APMS+12]. Named [Pin01]. natural
[HGR+12]. Network [EFS56, EFS93, Sha48d, Sha93-31, Sha93-54, Sha49g].
Networks [DS46, DS93, RS93, ABS11, RFME+12, RS42]. Neuentwicklungen [Sha50f]. Neumann
[ABS11, Sha58c, Sha93-60, TWA+87, UKTS68, UK+69]. Neural
[RFME+12, YCS12]. News [Bar01]. No [Sha82a, SW93b]. No-Drop
[Sha82a, SW93b]. Noble [Ano40b]. Noise
[Bot88, Sha93j, Sha49a, Sha84a, Sha98b, 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
[Rif85]. Non-invasive [TKL+12]. nonequilibrium [NS12]. noninvasive
[RAL+07]. Nonlinear [TT12]. Nonoverlapping [Sha44d]. nonuniform
[GWZC12]. Norbert [Sha49d, Sha93-41]. Normal [Sha48e]. normality
[Siq98]. Notation [Sha50a, Sha93-52]. Note
[EFS56, EFS93, Sha48f, 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].
on-line [HTR+08]. One [KNS17, Sha54b, Sha93q, GWZC12, Pri84, Pri85].
one-dimensional [GWZC12]. onf [Gal06]. Online [Bar01]. Operation
[Sha53j]. Operators [Sha41g]. opinion [ID00]. Optical [CSJJ10]. Optimal
[Sha93-36, Sha59c]. Optimization [WBB+12]. orbital [CS09]. order
[Koc05, Zha09]. Ordering [Sha93-32, Sha58b]. organization [RAL+08].
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
[RS93, GFD03, RS42]. Parametric [Ric03]. Parasite [RFME+12].
Parasite-Host [RFME+12]. Parkinson [Zor89]. Part
[SW93g, SW93h, SW93i]. Partial [Sha93-32, Sha58b]. partially
[RM06, YN11]. Partitioning [LB08]. pathway [RFME+12]. patient
[BSCWM14]. Pedodiversity [ID00]. Periodic [Sha44c]. periodicity
[JGH00]. Permissions [SW93j]. Personal [Lew01, Wal01a]. pg [Koc05].

QSAR [SGB02]. QSDR [APMS+12]. Quadratic [BERS86, RS06]. Qualitative [All04]. quality [CFRC04, RFME+12, YLR+10]. Quantify [WVB10]. Quantitative [AALR09]. Quantum [Ano16, LHA+16, Tim02, LCW+16, POA+08, Tim03, ZBM11]. quasispecies [HGR+12].


AALR09, Bar01, BB88, BSWCM14, BQhH08, BKU+94, Bre63, Bro11, 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, Di 00, Efr08, Ell09, Ell84, Eme01, Eph01, FM99, FMSS03, FCW+00, Gab98, Gal01, Gal03, GKL+01, GBR07, GB00, GB01, Gol01, GBC+02, GWZC12, GFD03, Gor06, GPM06, Gui03, GV15, HN09, HDC96, Han10, HWO90, HGR+12, Hor90, Hor11, HSBJ02, HTR+08, ID00, JGH00, Jam10, Jan14, JAS89, JZL98, Joh01, JSMS12, Key05, KNS17. Shannon [Koc05, LP12, LMC11, Lei07, LB08, Let06, Lew01, Loe59, Lom05, LVH16, LR05, LM03, LS10, Lyn77, MHBL12, Mar08, Mar91, Mar93, Mat94, MPP97, MBD+03, Nah13, NS10, NWV94, O’R12, PP06, PGM+12, Per05, Pia06, POA+08, Pri82, Pri84, Pri85, RAL+07, RM06, Ric03, RS06, Rif85, Roc09, Roc10, Roc11, RAL+08, RD04, SSAK06, SB05, Sav11, Sav64, Sch06, SSK+05, Sen05, Sha82a, Sha02, Sha07, Sha14, SK04, SS07, SBS+13, Siq98, Sla97, SW93k, SW93l, SW93b, Smi05, SG17, SF03, SGB02, SJ04, SD96, Str14, SGG04, SG18, Tho09, Tim02, Tim03, TKL+12, TT12, Van89, Ver98, Wal01b, WGB09, WBB+12, WMS+12, WVB10, WC99, Wri67, YN11, YCS12, Yoc00, YLR+10, Zac16, ZBM11, Zee02, Zha09, dPV00, 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 [Sha50e, Sha54a, Sha59a, Sha59b, Sha93i, Sha93q, Sha60]. space [GWZC12].

Silico [PGM+12]. similarity [WGB09]. Simon [Cer17]. Simplified [BS50, BS93]. Simpson [Gor06, Key05]. simulations [LM03]. Simultaneous [Sha55d, Sha93-45]. single [Gor06]. sites [GKL+13]. size [SK04]. skräck [NWV94]. small [New56]. Smoothing [BB846, 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].

Sorry [San05]. sorting [HSBJ02]. Source [Sha54b, Sha59a, Sha59b, Sha93i, Sha93q, Sha60]. space [GWZC12].

Studies [SM56, SM74, SW93a, Mur57]. Study [Hag79, 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]. Sunset [GV15]. Supply [LB08]. supposed [Tim03]. Survey [Asp85]. Swedish [NWV94]. Switching [Cha72, Sha37, Sha38, Sha46, Sha49f, Sha53i, Sha55d, Sha93y, Sha93-39, Sha93-45, Sha93-53, CSJJ10, SM53]. Symbol [Sha54b, Sha93q]. Symbolic [Sha37, Sha38, Sha93-51, Let06]. Symmetrical [Sha50a, Sha93-52]. Symposium [Ano53]. synonymous [Zee02]. Synthesis [GBR07, Sha49f, Sha93-45, Sha93-53]. Synthesizer [MS53c, MS93d]. synthetic [SGB02]. System [BBS46, HS46, Sha41a, Sha44c, Sha45b, Sha48j, Sha49b, Sha93c, Sha93l, Sha98a, GWZC12].

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