

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

129 papers	1,666 citations	21 h-index	35 g-index
150 ext. papers	2,123 ext. citations	4.7 avg, IF	5.02 L-index

#	Paper	IF	Citations
129	. <i>IEEE Transactions on Information Theory</i> , 2007 , 53, 3714-3722	2.8	154
128	Nested Polar Codes for Wiretap and Relay Channels. <i>IEEE Communications Letters</i> , 2010 , 14, 752-754	3.8	98
127	The Design and Performance of Distributed LT Codes. <i>IEEE Transactions on Information Theory</i> , 2007 , 53, 3740-3754	2.8	73
126	Scanning tunnelling spectroscopy of electron resonators. <i>New Journal of Physics</i> , 2001 , 3, 22-22	2.9	73
125	Luminescence from metallic quantum wells in a scanning tunneling microscope. <i>Physical Review Letters</i> , 2001 , 87, 176803	7.4	67
124	Efficient Computation of EXIT Functions for Nonbinary Iterative Decoding. <i>IEEE Transactions on Communications</i> , 2006 , 54, 2133-2136	6.9	56
123	Design of Network Codes for Multiple-User Multiple-Relay Wireless Networks. <i>IEEE Transactions on Communications</i> , 2012 , 60, 3755-3766	6.9	54
122	. <i>IEEE Transactions on Communications</i> , 2009 , 57, 3132-3143	6.9	44
121	2014 , 52, 168-176		43
120	On Secure Network Coding With Nonuniform or Restricted Wiretap Sets. <i>IEEE Transactions on Information Theory</i> , 2013 , 59, 166-176	2.8	41
119	Scanning tunneling spectroscopy of Na on Cu(111). <i>Physical Review B</i> , 2001 , 65,	3.3	41
118	. <i>IEEE Transactions on Information Theory</i> , 2016 , 62, 7195-7206	2.8	35
117	2006 ,		33
116	Iterative joint source-channel decoding of variable-length codes using residual source redundancy. <i>IEEE Transactions on Wireless Communications</i> , 2005 , 4, 919-929	9.6	33
115	Private and Secure Distributed Matrix Multiplication With Flexible Communication Load. <i>IEEE Transactions on Information Forensics and Security</i> , 2020 , 15, 2722-2734	8	29
114	Analysis and Enumeration of Absorbing Sets for Non-Binary Graph-Based Codes. <i>IEEE Transactions on Communications</i> , 2014 , 62, 398-409	6.9	29
113	. <i>IEEE Transactions on Signal Processing</i> , 2006 , 54, 3688-3701	4.8	29

112	Oversampled cosine-modulated filter banks with arbitrary system delay. <i>IEEE Transactions on Signal Processing</i> , 1998 , 46, 941-955	4.8	29
111	Near-capacity turbo trellis coded modulation design based on EXIT charts and union bounds - [transactions papers]. <i>IEEE Transactions on Communications</i> , 2008 , 56, 2030-2039	6.9	28
110	Strong coordination with polar codes 2012 ,		24
109	Low-complexity iterative joint source-channel decoding for variable-length encoded Markov sources. <i>IEEE Transactions on Communications</i> , 2005 , 53, 2054-2064	6.9	24
108	On the achievable extrinsic information of inner decoders in serial concatenation 2006 ,		19
107	Robust decoding of variable-length encoded Markov sources using a three-dimensional trellis. <i>IEEE Communications Letters</i> , 2003 , 7, 320-322	3.8	19
106	Capacity of Private Linear Computation for Coded Databases 2018 ,		18
105	Achievable Rate of Private Function Retrieval from MDS Coded Databases 2018 ,		18
104	Optimized Design of Finite-Length Separable Circulant-Based Spatially-Coupled Codes: An Absorbing Set-Based Analysis. <i>IEEE Transactions on Communications</i> , 2016 , 1-1	6.9	17
103	Strong coordination over a line network 2013 ,		17
102	Space-Time Communication Protocols for N-Way Relay Networks 2008 ,		17
101	Catch Me If You Can 2015 ,		17
100	Distributed and Private Coded Matrix Computation with Flexible Communication Load 2019 ,		17
99	On the Performance of Joint and Separate Channel and Network Coding in Wireless Fading Networks 2007 ,		14
98	Distributed LT Codes 2006 ,		14
97	. <i>IEEE Transactions on Information Theory</i> , 2016 , 62, 4024-4038	2.8	14
96	Performance Analysis and Design of Two Edge-Type LDPC Codes for the BEC Wiretap Channel. <i>IEEE Transactions on Information Theory</i> , 2013 , 59, 1048-1064	2.8	13
95	On secure network coding with uniform wiretap sets 2013 ,		13

94	2006,		13
93	2015,		12
92	Algebraic constructions of graph-based nested codes from protographs 2010,		12
91	. <i>IEEE Transactions on Information Theory</i> , 2018 , 64, 5087-5100	2.8	11
90	. <i>IEEE Transactions on Communications</i> , 2009 , 57, 3123-3131	6.9	11
89	Two edge type LDPC codes for the wiretap channel 2009,		11
88	Some results on relay strategies for memoryless two-way relay channels 2008,		11
87	A generalized algebraic approach to optimizing SC-LDPC codes 2017,		10
86	2014,		10
85	Hybrid concatenated codes with asymptotically good distance growth 2008,		10
84	Low-complexity channel resolvability codes for the symmetric multiple-access channel 2014,		9
83	Multiple-Access Network Information-Flow and Correction Codes. <i>IEEE Transactions on Information Theory</i> , 2011 , 57, 1067-1079	2.8	9
82	On the optimal block length for joint channel and network coding 2011,		9
81	Optimized array-based spatially-coupled LDPC Codes: An absorbing set approach 2015,		8
80	Analysis and Design of Tuned Turbo Codes. <i>IEEE Transactions on Information Theory</i> , 2012 , 58, 4796-4813.	2.8	8
79	Strong coordination over multi-hop line networks 2015,		8
78	Communication Protocols for N-way All-Cast Relay Networks. <i>IEEE Transactions on Communications</i> , 2012 , 60, 3239-3251	6.9	8
77	On secure network coding with unequal link capacities and restricted wiretapping sets 2010,		8

76	Achievable strategies for general secure network coding 2010 ,		8
75	Near-perfect-reconstruction low-complexity two-band IIR/FIR QMF banks with FIR phase-compensation filters. <i>Signal Processing</i> , 2006 , 86, 171-181	4.4	8
74	Achievable rate and optimal physical layer rate allocation in interference-free wireless networks 2009 ,		7
73	An efficient variable-length code construction for iterative source-channel decoding. <i>IEEE Transactions on Communications</i> , 2009 , 57, 2005-2013	6.9	7
72	Secure index coding: Existence and construction 2016 ,		7
71	Coded Computation Against Straggling Decoders for Network Function Virtualization 2018 ,		7
70	Sufficient conditions for the equality of exact and Wyner common information 2016 ,		6
69	On the delay and energy performance in coded two-hop line networks with bursty erasures 2011 ,		6
68	Processing arbitrary-length signals with linear-phase cosine-modulated filter banks. <i>Signal Processing</i> , 2000 , 80, 1515-1533	4.4	6
67	Coded Computation Against Processing Delays for Virtualized Cloud-Based Channel Decoding. <i>IEEE Transactions on Communications</i> , 2019 , 67, 28-38	6.9	6
66	2018 ,		6
65	. <i>IEEE Transactions on Information Theory</i> , 2017 , 63, 1858-1873	2.8	5
64	Private Polynomial Computation for Noncolluding Coded Databases 2019 ,		5
63	Polar coding for noisy write-once memories 2014 ,		5
62	Equivocation of eve using two edge type LDPC codes for the binary erasure wiretap channel 2010 ,		5
61	Rate Regions for coherent and noncoherent multisource network error correction 2009 ,		5
60	Algebraic Superposition of LDGM Codes for Cooperative Diversity 2007 ,		5
59	New Results on the Equality of Exact and Wyner Common Information Rates 2018 ,		5

58	Directional and Causal Information Flow in EEG for Assessing Perceived Audio Quality. <i>IEEE Transactions on Molecular, Biological, and Multi-Scale Communications</i> , 2017 , 3, 150-165	2.3	4
57	. <i>IEEE Transactions on Information Theory</i> , 2018 , 64, 1132-1162	2.8	4
56	An Equivalence between Secure Network and Index Coding 2016 ,		4
55	Analysis and enumeration of absorbing sets for non-binary graph-based codes 2013 ,		4
54	Trapping set enumerators for repeat multiple accumulate code ensembles 2009 ,		4
53	Minimum distance bounds for multiple-serially concatenated code ensembles 2008 ,		4
52	. <i>IEEE Transactions on Information Theory</i> , 2018 , 64, 4496-4512	2.8	3
51	Guest Editorial Recent Advances in Capacity Approaching Codes. <i>IEEE Journal on Selected Areas in Communications</i> , 2016 , 34, 205-208	14.2	3
50	Joint design of channel and network coding for star networks connected by binary symmetric channels. <i>IEEE Transactions on Communications</i> , 2014 , 62, 158-169	6.9	3
49	Equivalence for Networks With Adversarial State. <i>IEEE Transactions on Information Theory</i> , 2017 , 63, 4137-4154	11.4	3
48	Strong coordination over noisy channels: Is separation sufficient? 2017 ,		3
47	Connecting multiple-unicast and network error correction: Reduction and unachievability 2015 ,		3
46	An Information Theoretic Approach Toward Assessing Perceptual Audio Quality Using EEG. <i>IEEE Transactions on Molecular, Biological, and Multi-Scale Communications</i> , 2015 , 1, 176-187	2.3	3
45	Network equivalence in the presence of an eavesdropper 2012 ,		3
44	On the Capacity of Private Nonlinear Computation for Replicated Databases 2019 ,		3
43	Finite Blocklength and Dispersion Bounds for the Arbitrarily- Varying Channel 2018 ,		3
42	2019 ,		2
41	Joint constellation and code design for the Gaussian multiple access channel 2017 ,		2

40	On the relationship between edge removal and strong converses 2016 ,		2
39	Dispersion of the discrete arbitrarily-varying channel with limited shared randomness 2017 ,		2
38	A new EEG-based causal information measure for identifying brain connectivity in response to perceived audio quality 2017 ,		2
37	Joint coordination-channel coding for strong coordination over noisy channels based on polar codes 2017 ,		2
36	Directed information measures for assessing perceived audio quality using EEG 2015 ,		2
35	Lossless and lossy source compression with near-uniform output: Is common randomness always required? 2015 ,		2
34	Reverse edge cut-set bounds for secure network coding 2014 ,		2
33	When Huffman Meets Hamming: A Class of Optimal Variable-Length Error Correcting Codes 2010 ,		2
32	Energy-delay considerations in coded packet flows 2011 ,		2
31	Memory efficient adaptation of vector quantizers to time-varying channels. <i>Signal Processing</i> , 2003 , 83, 1519-1528	4.4	2
30	Encoding of Spatially Coupled LDGM Codes for Lossy Source Compression. <i>IEEE Transactions on Communications</i> , 2018 , 66, 5691-5703	6.9	2
29	Secure Distributed Storage: Rate-Privacy Trade-Off and XOR-Based Coding Scheme 2020 ,		2
28	Nested Array-Based Spatially Coupled LDPC Codes. <i>IEEE Transactions on Communications</i> , 2021 , 69, 3502-3516	6.9	2
27	Structured Coding for Authentication in the Presence of a Malicious Adversary 2019 ,		2
26	Strong Converses are Just Edge Removal Properties. <i>IEEE Transactions on Information Theory</i> , 2019 , 65, 3315-3339	2.8	2
25	Network equivalence for a joint compound-arbitrarily-varying network model 2016 ,		1
24	Strong coordination over a line when actions are Markovian 2016 ,		1
23	Lossy compression with privacy constraints: Optimality of polar codes 2015 ,		1

22	Single-source/sink network error correction is as hard as multiple-unicast 2014 ,		1
21	Double Serially Concatenated Convolutional Codes With Jointly Designed S-Type Permutors. <i>IEEE Transactions on Information Theory</i> , 2009 , 55, 5811-5821	2.8	1
20	On the minimum trapping distance of repeat accumulate accumulate codes 2008 ,		1
19	Coding Schemes for an Erasure Relay Channel 2007 ,		1
18	Private Linear Computation for Noncolluding Coded Databases. <i>IEEE Journal on Selected Areas in Communications</i> , 2022 , 1-1	14.2	1
17	Optimal Rate-Distortion-Leakage Tradeoff for Single-Server Information Retrieval. <i>IEEE Journal on Selected Areas in Communications</i> , 2022 , 1-1	14.2	1
16	Code Constructions and Bounds for Identification via Channels. <i>IEEE Transactions on Communications</i> , 2021 , 1-1	6.9	1
15	Authentication and Partial Message Correction over Adversarial Multiple-Access Channels 2020 ,		1
14	Learned Scheduling of LDPC Decoders Based on Multi-armed Bandits 2020 ,		1
13	Belief Propagation Decoding of Short Graph-Based Channel Codes via Reinforcement Learning. <i>IEEE Journal on Selected Areas in Information Theory</i> , 2021 , 2, 627-640	2.5	1
12	Optimization of Nested Array-based LDPC Codes Via Spatial Coupling 2019 ,		1
11	LDPC Coded Multiuser Shaping for the Gaussian Multiple Access Channel 2019 ,		1
10	Secure Network-Index Code Equivalence: Extension to Non-zero Error and Leakage 2018 ,		1
9	Optimal Rate-Distortion-Leakage Tradeoff for Single-Server Information Retrieval 2021 ,		1
8	Strong Coordination Over Noisy Channels. <i>IEEE Transactions on Information Theory</i> , 2021 , 67, 2716-2738	2.8	0
7	A Code and Rate Equivalence Between Secure Network and Index Coding. <i>IEEE Journal on Selected Areas in Information Theory</i> , 2021 , 2, 106-120	2.5	0
6	On Achieving an Asymptotically Error-Free Fixed-Point of Iterative Decoding for Perfect A Priori Information. <i>IEEE Transactions on Communications</i> , 2013 , 61, 2146-2155	6.9	
5	Error correction for low power sensors in asynchronous communication. <i>Signal Processing</i> , 2021 , 182, 107946	4.4	

4	Quantifying Neuronal Information Flow in Response to Frequency and Intensity Changes in the Auditory Cortex. <i>Conference Record of the Asilomar Conference on Signals, Systems and Computers</i> , 2018 , 2018, 1367-1371	0.3
3	JSAIT Editorial for the Special Issue on Beyond Errors and Erasures: Coding for Data Management and Delivery in Networks□ <i>IEEE Journal on Selected Areas in Information Theory</i> , 2021 , 2, 1075-1077	2.5
2	Private Polynomial Function Computation for Noncolluding Coded Databases. <i>IEEE Transactions on Information Forensics and Security</i> , 2022 , 1-1	8
1	When Differential Privacy Implies Syntactic Privacy. <i>IEEE Transactions on Information Forensics and Security</i> , 2022 , 1-1	8