

Young-Han Kim

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.

60 papers	2,272 citations	15 h-index	47 g-index
74 ext. papers	2,974 ext. citations	3 avg, IF	5.55 L-index

#	Paper	IF	Citations
60	Network Information Theory 2011 ,		1249
59	Noisy Network Coding. <i>IEEE Transactions on Information Theory</i> , 2011 , 57, 3132-3152	2.8	256
58	On the capacity region for index coding 2013 ,		81
57	Universal Estimation of Directed Information. <i>IEEE Transactions on Information Theory</i> , 2013 , 59, 6220-6248	2.8	71
56	Interpretations of Directed Information in Portfolio Theory, Data Compression, and Hypothesis Testing. <i>IEEE Transactions on Information Theory</i> , 2011 , 57, 3248-3259	2.8	71
55	Feedback Capacity of Stationary Gaussian Channels. <i>IEEE Transactions on Information Theory</i> , 2010 , 56, 57-85	2.8	66
54	A Near-Zero-Power Wake-Up Receiver Achieving -9 -dBm Sensitivity. <i>IEEE Journal of Solid-State Circuits</i> , 2018 , 53, 1640-1652	5.5	58
53	A Unified Approach to Hybrid Coding. <i>IEEE Transactions on Information Theory</i> , 2015 , 61, 1509-1523	2.8	38
52	. <i>IEEE Solid-State Circuits Letters</i> , 2018 , 1, 134-137	2	31
51	Distributed decode-forward for multicast 2014 ,		29
50	Optimal Achievable Rates for Interference Networks With Random Codes. <i>IEEE Transactions on Information Theory</i> , 2015 , 61, 6536-6549	2.8	28
49	Directed Information, Causal Estimation, and Communication in Continuous Time. <i>IEEE Transactions on Information Theory</i> , 2013 , 59, 1271-1287	2.8	23
48	Interactive hypothesis testing against independence 2013 ,		20
47	Limits on Support Recovery of Sparse Signals via Multiple-Access Communication Techniques. <i>IEEE Transactions on Information Theory</i> , 2011 , 57, 7877-7892	2.8	19
46	Local time sharing for index coding 2014 ,		17
45	A comparison of superposition coding schemes 2013 ,		15
44	Distributed Decode-Forward for Relay Networks. <i>IEEE Transactions on Information Theory</i> , 2017 , 63, 4103-4118	2.8	14

43	On the capacity for distributed index coding 2017 ,		12
42	Structural properties of index coding capacity using fractional graph theory 2015 ,		11
41	Error Exponents for the Gaussian Channel With Active Noisy Feedback. <i>IEEE Transactions on Information Theory</i> , 2011 , 57, 1223-1236	2.8	11
40	Correlated sources over broadcast channels 2009 ,		11
39	Index coding via random coding 2014 ,		10
38	Causal state amplification 2011 ,		10
37	Universal estimation of directed information 2010 ,		9
36	On the capacity of cloud radio access networks 2017 ,		8
35	Three stories on a two-sided coin: Index coding, locally recoverable distributed storage, and guessing games on graphs 2015 ,		8
34	On the AWGN channel with noisy feedback and peak energy constraint 2010 ,		8
33	The Approximate Capacity of the MIMO Relay Channel. <i>IEEE Transactions on Information Theory</i> , 2017 , 63, 1167-1176	2.8	7
32	Key Technology for 5G New Radio. <i>IEEE Communications Magazine</i> , 2018 , 56, 10-11	9.1	6
31	Adaptive Sliding-Window Coded Modulation in Cellular Networks 2015 ,		6
30	Distributed decode-forward for broadcast 2014 ,		6
29	Capacity-distortion trade-off in channels with state 2010 ,		6
28	Chop and roll: Improving the cutset bound 2014 ,		5
27	Gaussian Channel With Noisy Feedback and Peak Energy Constraint. <i>IEEE Transactions on Information Theory</i> , 2013 , 59, 4746-4756	2.8	5
26	Partial Decode-Forward Relaying for the Gaussian Two-Hop Relay Network. <i>IEEE Transactions on Information Theory</i> , 2016 , 62, 7078-7085	2.8	4

25	On the Capacity Region for Secure Index Coding 2018 ,		4
24	Homologous codes for multiple access channels 2017 ,		3
23	Performance tradeoffs for exact support recovery of sparse signals 2010 ,		3
22	Linear sum capacity for Gaussian multiple access channel with feedback 2010 ,		3
21	Approximate capacity of index coding for some classes of graphs 2016 ,		3
20	Three-Layer Composite Coding for Index Coding 2018 ,		3
19	Optimal Achievable Rates for Computation With Random Homologous Codes 2018 ,		3
18	Homologous Codes for Multiple Access Channels. <i>IEEE Transactions on Information Theory</i> , 2020 , 66, 1549-1571	2.8	1
17	Capacity Theorems for Distributed Index Coding. <i>IEEE Transactions on Information Theory</i> , 2020 , 66, 4653-4680	2.8	1
16	Linear code duality between channel coding and Slepian-Wolf coding 2015 ,		2
15	WOM with retained messages 2012 ,		2
14	Sliding-Window Superposition Coding: Two-User Interference Channels. <i>IEEE Transactions on Information Theory</i> , 2020 , 66, 3293-3316	2.8	1
13	Generalized Lexicographic Products and the Index Coding Capacity. <i>IEEE Transactions on Information Theory</i> , 2020 , 66, 1520-1529	2.8	1
12	Linear relaying for Gaussian diamond networks 2014 ,		1
11	Approximate capacity of the MIMO relay channel 2014 ,		1
10	Information flooding 2011 ,		1
9	On the Optimal Achievable Rates for Linear Computation With Random Homologous Codes. <i>IEEE Transactions on Information Theory</i> , 2020 , 66, 6200-6221	2.8	1
8	On the Capacity Regions of Cloud Radio Access Networks With Limited Orthogonal Fronthaul. <i>IEEE Transactions on Information Theory</i> , 2021 , 67, 2958-2988	2.8	1

7	Capacity Scaling for Cloud Radio Access Networks with Limited Orthogonal Fronthaul 2019 ,	1
6	Monte Carlo Methods for Randomized Likelihood Decoding 2018 ,	1
5	The Interactive Capacity of the Binary Symmetric Channel is at Least 1/40 the Shannon Capacity 2019 ,	0
4	Joint Channel Estimation and Coding Over Channels With Memory Using Polar Codes. <i>IEEE Transactions on Communications</i> , 2021 , 1-1	6.9 0
3	Nearest Neighbor Density Functional Estimation from Inverse Laplace Transform. <i>IEEE Transactions on Information Theory</i> , 2022 , 1-1	2.8
2	NASCUP: Nucleic Acid Sequence Classification by Universal Probability. <i>IEEE Access</i> , 2021 , 9, 162779-162791	3.91
1	Distributed Source Simulation With No Communication. <i>IEEE Transactions on Information Theory</i> , 2021 , 67, 886-901	2.8