

Aaron B Wagner

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.

65 papers	823 citations	13 h-index	25 g-index
88 ext. papers	1,103 ext. citations	2.8 avg, IF	4.71 L-index

#	Paper	IF	Citations
65	Rate Region of the Quadratic Gaussian Two-Encoder Source-Coding Problem. <i>IEEE Transactions on Information Theory</i> , 2008 , 54, 1938-1961	2.8	160
64	An improved outer bound for multiterminal source coding. <i>IEEE Transactions on Information Theory</i> , 2008 , 54, 1919-1937	2.8	51
63	On the Optimality of Binning for Distributed Hypothesis Testing. <i>IEEE Transactions on Information Theory</i> , 2012 , 58, 6282-6303	2.8	49
62	The Degraded Poisson Wiretap Channel. <i>IEEE Transactions on Information Theory</i> , 2012 , 58, 7073-7085	2.8	49
61	Moderate Deviations in Channel Coding. <i>IEEE Transactions on Information Theory</i> , 2014 , 60, 4417-4426	2.8	47
60	An Operational Approach to Information Leakage. <i>IEEE Transactions on Information Theory</i> , 2020 , 66, 1625-1657	2.8	30
59	The Gaussian Many-Help-One Distributed Source Coding Problem. <i>IEEE Transactions on Information Theory</i> , 2010 , 56, 564-581	2.8	28
58	On Distributed Compression of Linear Functions. <i>IEEE Transactions on Information Theory</i> , 2011 , 57, 79-94	2.8	26
57	Refinement of the Sphere-Packing Bound: Asymmetric Channels. <i>IEEE Transactions on Information Theory</i> , 2014 , 60, 1592-1614	2.8	22
56	Distributed Rate-Distortion With Common Components. <i>IEEE Transactions on Information Theory</i> , 2011 , 57, 4035-4057	2.8	22
55	Refinement of the Random Coding Bound. <i>IEEE Transactions on Information Theory</i> , 2014 , 60, 6005-6023	2.8	21
54	Moderate deviation analysis of channel coding: Discrete memoryless case 2010 ,		18
53	Reliability in Source Coding With Side Information. <i>IEEE Transactions on Information Theory</i> , 2012 , 58, 5086-5111	2.8	15
52	Probability Estimation in the Rare-Events Regime. <i>IEEE Transactions on Information Theory</i> , 2011 , 57, 3207-3229	2.8	13
51	Classification of Homogeneous Data With Large Alphabets. <i>IEEE Transactions on Information Theory</i> , 2013 , 59, 782-795	2.8	12
50	General index coding with side information: Three decoder case 2013 ,		12
49	Social distancing merely stabilized COVID-19 in the US. <i>Stat</i> , 2020 , 9, e302	0.7	12

48	Rate Region of the Gaussian Scalar-Help-Vector Source-Coding Problem. <i>IEEE Transactions on Information Theory</i> , 2012 , 58, 172-188	2.8	10
47	Measuring Secrecy by the Probability of a Successful Guess. <i>IEEE Transactions on Information Theory</i> , 2017 , 63, 3783-3803	2.8	9
46	A RateDistortion Approach to Index Coding. <i>IEEE Transactions on Information Theory</i> , 2016 , 62, 6359-6378	2.8	9
45	Erasure Multiple Descriptions. <i>IEEE Transactions on Information Theory</i> , 2012 , 58, 1328-1344	2.8	9
44	Measuring secrecy by the probability of a successful guess 2015 ,	2.8	9
43	Improved Source Coding Exponents via Witsenhausen's Rate. <i>IEEE Transactions on Information Theory</i> , 2011 , 57, 5615-5633	2.8	9
42	A refinement of the random coding bound 2012 ,	2.8	8
41	Information embedding meets distributed control 2010 ,	2.8	8
40	Refinement of the sphere packing bound for symmetric channels 2011 ,	2.8	8
39	Reliable Communication in the Absence of a Common Clock. <i>IEEE Transactions on Information Theory</i> , 2009 , 55, 700-712	2.8	8
38	Rate Region of the Vector Gaussian One-Helper Source-Coding Problem. <i>IEEE Transactions on Information Theory</i> , 2015 , 61, 2708-2728	2.8	7
37	Maximal leakage minimization for the Shannon cipher system 2016 ,	2.8	7
36	Social Distancing Has Merely Stabilized COVID-19 in the US	2.8	7
35	A rate-distortion approach to index coding 2014 ,	2.8	6
34	Lossless compression with moderate error probability 2013 ,	2.8	6
33	The lossy one-helper conjecture is false 2009 ,	2.8	6
32	Vector Gaussian hypothesis testing and lossy one-helper problem 2009 ,	2.8	6
31	Binary erasure multiple descriptions: Average-case distortion 2009 ,	2.8	6

30	An outer bound for distributed compression of linear functions 2008 ,		6
29	Information Embedding and the Triple Role of Control. <i>IEEE Transactions on Information Theory</i> , 2015 , 61, 1539-1549	2.8	5
28	Vector Gaussian rate-distortion with variable side information 2014 ,		5
27	Universal hypothesis testing in the learning-limited regime 2010 ,		5
26	Rate region of the vector Gaussian one-helper source-coding problem 2011 ,		5
25	Vector Gaussian multi-decoder rate-distortion: Trace constraints 2016 ,		4
24	Source and Channel Simulation Using Arbitrary Randomness. <i>IEEE Transactions on Information Theory</i> , 2012 , 58, 1345-1360	2.8	4
23	Operational definitions for some common information leakage metrics 2017 ,		4
22	The third-order term in the normal approximation for singular channels 2014 ,		4
21	On distributed compression of linear functions 2008 ,		4
20	Measuring Quantum Entropy 2019 ,		4
19	Vector Gaussian Rate-Distortion With Variable Side Information. <i>IEEE Transactions on Information Theory</i> , 2017 , 63, 5162-5178	2.8	3
18	Binary erasure multiple descriptions: Worst-case distortion 2009 ,		3
17	A New Method for Employing Feedback to Improve Coding Performance. <i>IEEE Transactions on Information Theory</i> , 2020 , 66, 6660-6681	2.8	2
16	On very noisy channels with feedback 2017 ,		2
15	Sum Rate of the Vacationing-CEO Problem. <i>IEEE Transactions on Information Theory</i> , 2012 , 58, 6304-6319	2.8	2
14	Optimal Delay-Reconstruction Tradeoffs in Peer-to-Peer Networks. <i>IEEE Journal on Selected Areas in Communications</i> , 2011 , 29, 1055-1063	14.2	2
13	A New Stable Peer-to-Peer Protocol With Non-Persistent Peers: The Group Suppression Protocol. <i>IEEE Transactions on Information Theory</i> , 2020 , 66, 614-632	2.8	2

12	. <i>IEEE Journal on Selected Areas in Information Theory</i> , 2020 , 1, 454-468	2.5	2
11	Degradedness and Secrecy in Memoryless Queues. <i>IEEE Transactions on Information Theory</i> , 2019 , 65, 2459-2476	2.8	1
10	An LP lower bound for rate distortion with variable side information 2016 ,		1
9	A Downlink Scheduler for Multicasting Wireless Video-on-Demand. <i>IEEE Transactions on Mobile Computing</i> , 2016 , 15, 2921-2938	4.6	1
8	When Does Feedback Improve the Second-Order Coding Rate in Discrete Memoryless Channels? 2018 ,		1
7	The Stochastic-Calculus Approach to Multi-Receiver Poisson Channels. <i>IEEE Transactions on Information Theory</i> , 2019 , 65, 5007-5027	2.8	1
6	Coding for the Large-Alphabet Adversarial Channel. <i>IEEE Transactions on Information Theory</i> , 2017 , 63, 6347-6363	2.8	1
5	Optimality of binning for distributed hypothesis testing 2010 ,		1
4	On Exact Asymptotics of the Error Probability in Channel Coding: Symmetric Channels. <i>IEEE Transactions on Information Theory</i> , 2021 , 67, 844-868	2.8	1
3	LP Bounds for Rate-Distortion With Variable Side Information. <i>IEEE Transactions on Information Theory</i> , 2019 , 65, 7514-7532	2.8	0
2	Variable Packet-Error Coding. <i>IEEE Transactions on Information Theory</i> , 2018 , 64, 1530-1547	2.8	0
1	Guessing Outputs of Dynamically Pruned CNNs Using Memory Access Patterns. <i>IEEE Computer Architecture Letters</i> , 2021 , 20, 98-101	1.8	