Aaron B Wagner

List of Publications by Year in Descending Order

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	Guessing Outputs of Dynamically Pruned CNNs Using Memory Access Patterns. *IEEE Computer Architecture Letters*, **2021**, 20, 98-101	1.8	
64	On Exact Asymptotics of the Error Probability in Channel Coding: Symmetric Channels. *IEEE Transactions on Information Theory*, **2021**, 67, 844-868	2.8	1
63	A New Method for Employing Feedback to Improve Coding Performance. *IEEE Transactions on Information Theory*, **2020**, 66, 6660-6681	2.8	2
62	An Operational Approach to Information Leakage. *IEEE Transactions on Information Theory*, **2020**, 66, 1625-1657	2.8	30
61	A New Stable Peer-to-Peer Protocol With Non-Persistent Peers: The Group Suppression Protocol. *IEEE Transactions on Information Theory*, **2020**, 66, 614-632	2.8	2
60	Social distancing merely stabilized COVID-19 in the US. *Stat*, **2020**, 9, e302	0.7	12
59	*. IEEE Journal on Selected Areas in Information Theory*, **2020**, 1, 454-468	2.5	2
58	Degradedness and Secrecy in Memoryless Queues. *IEEE Transactions on Information Theory*, **2019**, 65, 2459-2476	2.8	1
57	The Stochastic-Calculus Approach to Multi-Receiver Poisson Channels. *IEEE Transactions on Information Theory*, **2019**, 65, 5007-5027	2.8	1
56	LP Bounds for Rate-Distortion With Variable Side Information. *IEEE Transactions on Information Theory*, **2019**, 65, 7514-7532	2.8	0
55	Measuring Quantum Entropy **2019**,		4
54	When Does Feedback Improve the Second-Order Coding Rate in Discrete Memoryless Channels? **2018**,		1
53	Variable Packet-Error Coding. *IEEE Transactions on Information Theory*, **2018**, 64, 1530-1547	2.8	0
52	Vector Gaussian Rate-Distortion With Variable Side Information. *IEEE Transactions on Information Theory*, **2017**, 63, 5162-5178	2.8	3
51	Measuring Secrecy by the Probability of a Successful Guess. *IEEE Transactions on Information Theory*, **2017**, 63, 3783-3803	2.8	9
50	On very noisy channels with feedback **2017**,		2
49	Operational definitions for some common information leakage metrics **2017**,		4

#	Title	IF	Citations
48	Coding for the Large-Alphabet Adversarial Channel. *IEEE Transactions on Information Theory*, **2017**, 63, 6347-6363	2.8	1
47	A Rate-Distortion Approach to Index Coding. *IEEE Transactions on Information Theory*, **2016**, 62, 6359-6378	2.8	9
46	Maximal leakage minimization for the Shannon cipher system **2016**,		7
45	An LP lower bound for rate distortion with variable side information **2016**,		1
44	Vector Gaussian multi-decoder rate-distortion: Trace constraints **2016**,		4
43	A Downlink Scheduler for Multicasting Wireless Video-on-Demand. *IEEE Transactions on Mobile Computing*, **2016**, 15, 2921-2938	4.6	1
42	Rate Region of the Vector Gaussian One-Helper Source-Coding Problem. *IEEE Transactions on Information Theory*, **2015**, 61, 2708-2728	2.8	7
41	Measuring secrecy by the probability of a successful guess **2015**,		9
40	Information Embedding and the Triple Role of Control. *IEEE Transactions on Information Theory*, **2015**, 61, 1539-1549	2.8	5
39	Refinement of the Sphere-Packing Bound: Asymmetric Channels. *IEEE Transactions on Information Theory*, **2014**, 60, 1592-1614	2.8	22
38	A rate-distortion approach to index coding **2014**,		6
37	Moderate Deviations in Channel Coding. *IEEE Transactions on Information Theory*, **2014**, 60, 4417-4426	2.8	47
36	Refinement of the Random Coding Bound. *IEEE Transactions on Information Theory*, **2014**, 60, 6005-6023	2.8	21
35	Vector Gaussian rate-distortion with variable side information **2014**,		5
34	The third-order term in the normal approximation for singular channels **2014**,		4
33	Classification of Homogeneous Data With Large Alphabets. *IEEE Transactions on Information Theory*, **2013**, 59, 782-795	2.8	12
32	General index coding with side information: Three decoder case **2013**,		12
31	Lossless compression with moderate error probability **2013**,		6

30	Rate Region of the Gaussian Scalar-Help-Vector Source-Coding Problem. *IEEE Transactions on Information Theory*, **2012**, 58, 172-188	2.8	10
29	Erasure Multiple Descriptions. *IEEE Transactions on Information Theory*, **2012**, 58, 1328-1344	2.8	9
28	Source and Channel Simulation Using Arbitrary Randomness. *IEEE Transactions on Information Theory*, **2012**, 58, 1345-1360	2.8	4
27	Reliability in Source Coding With Side Information. *IEEE Transactions on Information Theory*, **2012**, 58, 5086-5111	2.8	15
26	On the Optimality of Binning for Distributed Hypothesis Testing. *IEEE Transactions on Information Theory*, **2012**, 58, 6282-6303	2.8	49
25	A refinement of the random coding bound **2012**,		8
24	Sum Rate of the Vacationing-CEO Problem. *IEEE Transactions on Information Theory*, **2012**, 58, 6304-6319	2.8	2
23	The Degraded Poisson Wiretap Channel. *IEEE Transactions on Information Theory*, **2012**, 58, 7073-7085	2.8	49
22	Optimal Delay-Reconstruction Tradeoffs in Peer-to-Peer Networks. *IEEE Journal on Selected Areas in Communications*, **2011**, 29, 1055-1063	14.2	2
21	On Distributed Compression of Linear Functions. *IEEE Transactions on Information Theory*, **2011**, 57, 79-94	2.8	26
20	Probability Estimation in the Rare-Events Regime. *IEEE Transactions on Information Theory*, **2011**, 57, 3207-3229	2.8	13
19	Distributed Rate-Distortion With Common Components. *IEEE Transactions on Information Theory*, **2011**, 57, 4035-4057	2.8	22
18	Improved Source Coding Exponents via Witsenhausen's Rate. *IEEE Transactions on Information Theory*, **2011**, 57, 5615-5633	2.8	9
17	Refinement of the sphere packing bound for symmetric channels **2011**,		8
16	Rate region of the vector Gaussian one-helper source-coding problem **2011**,		5
15	Optimality of binning for distributed hypothesis testing **2010**,		1
14	Moderate deviation analysis of channel coding: Discrete memoryless case **2010**,		18
13	Information embedding meets distributed control **2010**,		8

LIST OF PUBLICATIONS

12	Universal hypothesis testing in the learning-limited regime **2010**,		5
11	The Gaussian Many-Help-One Distributed Source Coding Problem. *IEEE Transactions on Information Theory*, **2010**, 56, 564-581	2.8	28
10	The lossy one-helper conjecture is false **2009**,		6
9	Reliable Communication in the Absence of a Common Clock. *IEEE Transactions on Information Theory*, **2009**, 55, 700-712	2.8	8
8	Binary erasure multiple descriptions: Worst-case distortion **2009**,		3
7	Vector Gaussian hypothesis testing and lossy one-helper problem **2009**,		6
6	Binary erasure multiple descriptions: Average-case distortion **2009**,		6
5	An improved outer bound for multiterminal source coding. *IEEE Transactions on Information Theory*, **2008**, 54, 1919-1937	2.8	51
4	Rate Region of the Quadratic Gaussian Two-Encoder Source-Coding Problem. *IEEE Transactions on Information Theory*, **2008**, 54, 1938-1961	2.8	160
3	An outer bound for distributed compression of linear functions **2008**,		6
2	On distributed compression of linear functions **2008**,		4
1	Social Distancing Has Merely Stabilized COVID-19 in the US		7