Aaron B Wagner

List of Publications by Year
in descending order

87	1,288	567281 15	414414 32
papers	citations	h-index	g-index

88	88	88	674
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Rate Region of the Quadratic Gaussian Two-Encoder Source-Coding Problem. IEEE Transactions on Information Theory, 2008, 54, 1938-1961.	2.4	233
2	An Operational Approach to Information Leakage. IEEE Transactions on Information Theory, 2020, 66, 1625-1657.	2.4	89
3	An improved outer bound for multiterminal source coding. IEEE Transactions on Information Theory, 2008, 54, 1919-1937.	2.4	74
4	The Degraded Poisson Wiretap Channel. IEEE Transactions on Information Theory, 2012, 58, 7073-7085.	2.4	73
5	On the Optimality of Binning for Distributed Hypothesis Testing. IEEE Transactions on Information Theory, 2012, 58, 6282-6303.	2.4	67
6	Moderate Deviations in Channel Coding. IEEE Transactions on Information Theory, 2014, 60, 4417-4426.	2.4	58
7	The Gaussian Many-Help-One Distributed Source Coding Problem. IEEE Transactions on Information Theory, 2010, 56, 564-581.	2.4	44
8	Distributed Rate-Distortion With Common Components. IEEE Transactions on Information Theory, 2011, 57, 4035-4057.	2.4	38
9	On Distributed Compression of Linear Functions. IEEE Transactions on Information Theory, 2011, 57, 79-94.	2.4	37
10	Refinement of the Sphere-Packing Bound: Asymmetric Channels. IEEE Transactions on Information Theory, 2014, 60, 1592-1614.	2.4	29
11	Refinement of the Random Coding Bound. IEEE Transactions on Information Theory, 2014, 60, 6005-6023.	2.4	27
12	Probability Estimation in the Rare-Events Regime. IEEE Transactions on Information Theory, 2011, 57, 3207-3229.	2.4	22
13	Moderate deviation analysis of channel coding: Discrete memoryless case. , 2010, , .		21
14	Reliability in Source Coding With Side Information. IEEE Transactions on Information Theory, 2012, 58, 5086-5111.	2.4	21
15	Social distancing merely stabilized COVIDâ€19 in the United States. Stat, 2020, 9, e302.	0.4	20
16	Classification of Homogeneous Data With Large Alphabets. IEEE Transactions on Information Theory, 2013, 59, 782-795.	2.4	18
17	Feedback can improve the second-order coding performance in discrete memoryless channels. , 2014, , .		16
18	Rate Region of the Gaussian Scalar-Help-Vector Source-Coding Problem. IEEE Transactions on Information Theory, 2012, 58, 172-188.	2.4	15

#	Article	IF	Citations
19	Maximal leakage minimization for the Shannon cipher system. , 2016, , .		15
20	Measuring Secrecy by the Probability of a Successful Guess. IEEE Transactions on Information Theory, 2017, 63, 3783-3803.	2.4	15
21	Erasure Multiple Descriptions. IEEE Transactions on Information Theory, 2012, 58, 1328-1344.	2.4	13
22	General index coding with side information: Three decoder case. , 2013, , .		13
23	A Rateâ€"Distortion Approach to Index Coding. IEEE Transactions on Information Theory, 2016, 62, 6359-6378.	2.4	13
24	Operational definitions for some common information leakage metrics. , 2017, , .		13
25	Reliable Communication in the Absence of a Common Clock. IEEE Transactions on Information Theory, 2009, 55, 700-712.	2.4	12
26	Refinement of the sphere packing bound for symmetric channels. , 2011, , .		12
27	Information Embedding and the Triple Role of Control. IEEE Transactions on Information Theory, 2015, 61, 1539-1549.	2.4	12
28	Estimating Quantum Entropy. IEEE Journal on Selected Areas in Information Theory, 2020, 1, 454-468.	2.5	12
29	Information embedding meets distributed control. , 2010, , .		11
30	Improved Source Coding Exponents via Witsenhausen's Rate. IEEE Transactions on Information Theory, 2011, 57, 5615-5633.	2.4	11
31	Measuring secrecy by the probability of a successful guess. , 2015, , .		11
32	A refinement of the random coding bound. , 2012, , .		9
33	A New Method for Employing Feedback to Improve Coding Performance. IEEE Transactions on Information Theory, 2020, 66, 6660-6681.	2.4	9
34	The lossy one-helper conjecture is false. , 2009, , .		8
35	Lossless compression with moderate error probability. , 2013, , .		8
36	The third-order term in the normal approximation for singular channels. , 2014, , .		8

#	Article	IF	Citations
37	Rate Region of the Vector Gaussian One-Helper Source-Coding Problem. IEEE Transactions on Information Theory, 2015, 61, 2708-2728.	2.4	8
38	Vector Gaussian hypothesis testing and lossy one-helper problem. , 2009, , .		7
39	Binary erasure multiple descriptions: Average-case distortion. , 2009, , .		7
40	Rate region of the vector Gaussian one-helper source-coding problem. , 2011, , .		7
41	Measuring Quantum Entropy. , 2019, , .		7
42	On Exact Asymptotics of the Error Probability in Channel Coding: Symmetric Channels. IEEE Transactions on Information Theory, 2021, 67, 844-868.	2.4	7
43	The Gaussian Many-Help-One Distributed Source Coding Problem. , 2006, , .		6
44	An outer bound for distributed compression of linear functions. , 2008, , .		6
45	Lossy source coding with Byzantine adversaries. , 2011, , .		6
46	Vector Gaussian rate-distortion with variable side information. , 2014, , .		6
47	A rate-distortion approach to index coding. , 2014, , .		6
48	On distributed compression of linear functions. , 2008, , .		5
49	Universal hypothesis testing in the learning-limited regime. , 2010, , .		5
50	Rate region of the Gaussian scalar-help-vector source-coding problem. , 2010, , .		5
51	Source and Channel Simulation Using Arbitrary Randomness. IEEE Transactions on Information Theory, 2012, 58, 1345-1360.	2.4	5
52	Polytope codes for large-alphabet channels. , 2013, , .		5
53	Vector Gaussian multi-decoder rate-distortion: Trace constraints. , 2016, , .		5
54	Binary erasure multiple descriptions: Worst-case distortion. , 2009, , .		4

#	Article	IF	Citations
55	Compressing neighbors in a Gauss-Markov tree. , 2011, , .		4
56	Refinement of the sphere-packing bound. , 2012, , .		4
57	Vector Gaussian Rate-Distortion With Variable Side Information. IEEE Transactions on Information Theory, 2017, 63, 5162-5178.	2.4	4
58	A new stable peer-to-peer protocol with non-persistent peers. , 2017, , .		4
59	Variable Packet-Error Coding. IEEE Transactions on Information Theory, 2018, 64, 1530-1547.	2.4	4
60	Near-lossless compression of large alphabet sources. , 2012, , .		3
61	Sum Rate of the Vacationing-CEO Problem. IEEE Transactions on Information Theory, 2012, 58, 6304-6319.	2.4	3
62	Achieving capacity of large alphabet discrete memoryless channels. , 2013, , .		3
63	Coding for the Large-Alphabet Adversarial Channel. IEEE Transactions on Information Theory, 2017, 63, 6347-6363.	2.4	3
64	On very noisy channels with feedback. , 2017, , .		3
65	The Quadratic Gaussian One-Help-Two Source-Coding Problem with Markovity. , 2018, , .		3
66	The Stochastic-Calculus Approach to Multi-Receiver Poisson Channels. IEEE Transactions on Information Theory, 2019, 65, 5007-5027.	2.4	3
67	Degradedness and Secrecy in Memoryless Queues. IEEE Transactions on Information Theory, 2019, 65, 2459-2476.	2.4	3
68	A New Proof for the Quadratic Gaussian Two-Encoder Source-Coding Problem. , 2019, , .		3
69	Optimal Delay-Reconstruction Tradeoffs in Peer-to-Peer Networks. IEEE Journal on Selected Areas in Communications, 2011, 29, 1055-1063.	14.0	2
70	The stochastic-calculus approach to multi-receiver poisson channels. , 2016, , .		2
71	An LP lower bound for rate distortion with variable side information. , 2016, , .		2
72	A Downlink Scheduler for Multicasting Wireless Video-on-Demand. IEEE Transactions on Mobile Computing, 2016, 15, 2921-2938.	5.8	2

#	Article	IF	Citations
73	Functional Covering of Point Processes. , 2019, , .		2
74	A New Stable Peer-to-Peer Protocol With Non-Persistent Peers: The Group Suppression Protocol. IEEE Transactions on Information Theory, 2020, 66, 614-632.	2.4	2
75	Optimality of binning for distributed hypothesis testing. , 2010, , .		1
76	Secrecy capacity of the degraded Poisson wiretap channel. , 2010, , .		1
77	Must one learn the channel to communicate at capacity?. , 2014, , .		1
78	Resilient communication against adversarial path-errors. , 2017, , .		1
79	Gaussian variable packet-error coding. , 2017, , .		1
80	When Does Feedback Improve the Second-Order Coding Rate in Discrete Memoryless Channels?. , 2018, , .		1
81	LP Bounds for Rate-Distortion With Variable Side Information. IEEE Transactions on Information Theory, 2019, 65, 7514-7532.	2.4	1
82	Source and channel simulation using arbitrary randomness. , 2009, , .		0
83	Gaussian Multiterminal Source-Coding with Markovity: An Efficiently-Computable Outer Bound. , 2020, , .		0
84	A Practical Coding Scheme for the BSC with Feedback. , 2021, , .		0
85	Guessing Outputs of Dynamically Pruned CNNs Using Memory Access Patterns. IEEE Computer Architecture Letters, 2021, 20, 98-101.	1.5	0
86	Variable Packet-Error Coding: the Point-to-Point Case. , 2018, , .		0
87	Rate Region of the One-Help-Two Quadratic Gaussian Source-Coding Problem with Markovity. , 2022, , .		0