Amos Lapidoth

List of Publications by Year
in descending order

50 papers	1,300 citations	567281 15 h-index	377865 34 g-index
51 all docs	51 docs citations	51 times ranked	904 citing authors

#	Article	IF	Citations
1	On the Capacity of Free-Space Optical Intensity Channels. IEEE Transactions on Information Theory, 2009, 55, 4449-4461.	2.4	438
2	Sending a Bivariate Gaussian Over a Gaussian MAC. IEEE Transactions on Information Theory, 2010, 56, 2714-2752.	2.4	129
3	Low-SNR Capacity of Noncoherent Fading Channels. IEEE Transactions on Information Theory, 2009, 55, 1555-1574.	2.4	57
4	Encoding Tasks and RÃ©nyi Entropy. IEEE Transactions on Information Theory, 2014, 60, 5065-5076.	2.4	57
5	At Low SNR, Asymmetric Quantizers are Better. IEEE Transactions on Information Theory, 2013, 59, 5421-5445.	2.4	54
6	Carbon Copying Onto Dirty Paper. IEEE Transactions on Information Theory, 2007, 53, 1814-1827.	2.4	50
7	The Discrete-Time Poisson Channel at Low Input Powers. IEEE Transactions on Information Theory, 2011, 57, 3260-3272.	2.4	46
8	Broadcasting Correlated Gaussians. IEEE Transactions on Information Theory, 2010, 56, 3057-3068.	2.4	32
9	Channels That Heat Up. IEEE Transactions on Information Theory, 2009, 55, 3594-3612.	2.4	27
10	Dirty-Paper Coding for the Gaussian Multiaccess Channel With Conferencing. IEEE Transactions on Information Theory, 2012, 58, 5640-5668.	2.4	23
11	Sending a Bivariate Gaussian Source Over a Gaussian MAC With Feedback. IEEE Transactions on Information Theory, 2010, 56, 1852-1864.	2.4	22
12	On the AWGN MAC With Imperfect Feedback. IEEE Transactions on Information Theory, 2010, 56, 5432-5476.	2.4	20
13	Error Exponents for the Gaussian Channel With Active Noisy Feedback. IEEE Transactions on Information Theory, 2011, 57, 1223-1236.	2.4	20
14	On Multipath Fading Channels at High SNR. IEEE Transactions on Information Theory, 2010, 56, 5945-5957.	2.4	18
15	Coding Schemes and Asymptotic Capacity for the Gaussian Broadcast and Interference Channels With Feedback. IEEE Transactions on Information Theory, 2014, 60, 54-71.	2.4	16
16	Cognitive Wyner Networks With Clustered Decoding. IEEE Transactions on Information Theory, 2014, 60, 6342-6367.	2.4	16
17	Encoder-Assisted Communications Over Additive Noise Channels. IEEE Transactions on Information Theory, 2020, 66, 6607-6616.	2.4	12
18	Identification via the Broadcast Channel. IEEE Transactions on Information Theory, 2017, 63, 3480-3501.	2.4	11

#	Article	IF	Citations
19	Two Measures of Dependence. Entropy, 2019, 21, 778.	2.2	11
20	Two measures of dependence. , 2016, , .		10
21	Guessing Attacks on Distributed-Storage Systems. IEEE Transactions on Information Theory, 2019, 65, 6975-6998.	2.4	10
22	Decoder-Assisted Communications Over Additive Noise Channels. IEEE Transactions on Communications, 2020, 68, 4150-4161.	7.8	10
23	The zero-undetected-error capacity of discrete memoryless channels with feedback. , 2012, , .		9
24	Feedback, Cribbing, and Causal State Information on the Multiple-Access Channel. IEEE Transactions on Information Theory, 2014, 60, 7627-7654.	2.4	9
25	On the Listsize Capacity With Feedback. IEEE Transactions on Information Theory, 2014, 60, 6733-6748.	2.4	9
26	The Zero-Undetected-Error Capacity Approaches the Sperner Capacity. IEEE Transactions on Information Theory, 2014, 60, 3825-3833.	2.4	9
27	Covering Point Patterns. IEEE Transactions on Information Theory, 2015, 61, 4521-4533.	2.4	9
28	The Rate-and-State Capacity with Feedback. IEEE Transactions on Information Theory, 2018, 64, 1893-1918.	2.4	9
29	Variations on the Guessing Problem. , 2018, , .		8
30	Guessing with Distributed Encoders. Entropy, 2019, 21, 298.	2.2	7
31	Multiple access channels with intermittent feedback and side information. , 2013, , .		6
32	Constrained Source-Coding With Side Information. IEEE Transactions on Information Theory, 2014, 60, 3218-3237.	2.4	6
33	The Zero-Error Feedback Capacity of State-Dependent Channels. IEEE Transactions on Information Theory, 2018, 64, 3538-3578.	2.4	6
34	Semi-Robust Communications Over a Broadcast Channel. IEEE Transactions on Information Theory, 2019, 65, 5043-5049.	2.4	6
35	A lower bound on the bitâ€errorâ€rate resulting from mismatched viterbi decoding. European Transactions on Telecommunications, 1998, 9, 473-482.	1.2	5
36	Distributed task encoding. , 2017, , .		5

#	Article	IF	Citations
37	Testing Against Independence and a RÃ©nyi Information Measure. , 2018, , .		5
38	The Additive Noise Channel with a Helper. , 2019, , .		5
39	Conditional RÃ©nyi Divergences and Horse Betting. Entropy, 2020, 22, 316.	2.2	5
40	Other Helper Capacities. , 2021, , .		5
41	Distributed storage for data security. , 2014, , .		4
42	The Gaussian Source-and-Data-Streams Problem. IEEE Transactions on Communications, 2019, 67, 5618-5628.	7.8	4
43	Maximum RÃ©nyi Entropy Rate. IEEE Transactions on Information Theory, 2016, 62, 1193-1205.	2.4	3
44	Convolutional Encoders to Minimize Bitâ€Errorâ€Rate. European Transactions on Telecommunications, 2000, 11, 263-269.	1.2	1
45	A method for the construction of optimal task encoders. , 2015, , .		1
46	Multiplexing Zero-Error and Rare-Error Communications Over a Noisy Channel. IEEE Transactions on Information Theory, 2019, 65, 2824-2837.	2.4	1
47	Guessing Based on Compressed Side Information. IEEE Transactions on Information Theory, 2022, 68, 4244-4256.	2.4	1
48	The Listsize Capacity of the Gaussian Channel with Decoder Assistance. Entropy, 2022, 24, 29.	2.2	1
49	Gaussian Fading Is the Worst Fading. IEEE Transactions on Information Theory, 2010, 56, 1158-1165.	2.4	0
50	Encoder-Assistance for Additive Noise Channels. , 2021, , .		0