

Mohammad Ali Maddah-Ali

List of Publications by Year in descending order

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times ranked

2118
citing authors

#	ARTICLE	IF	CITATIONS
1	Fundamental Limits of Caching. IEEE Transactions on Information Theory, 2014, 60, 2856-2867.	2.4	1,342
2	Communication Over MIMO X Channels: Interference Alignment, Decomposition, and Performance Analysis. IEEE Transactions on Information Theory, 2008, 54, 3457-3470.	2.4	808
3	Decentralized Coded Caching Attains Order-Optimal Memory-Rate Tradeoff. IEEE/ACM Transactions on Networking, 2015, 23, 1029-1040.	3.8	493
4	Completely Stale Transmitter Channel State Information is Still Very Useful. IEEE Transactions on Information Theory, 2012, 58, 4418-4431.	2.4	414
5	A Fundamental Tradeoff Between Computation and Communication in Distributed Computing. IEEE Transactions on Information Theory, 2018, 64, 109-128.	2.4	294
6	The Exact Rate-Memory Tradeoff for Caching With Uncoded Prefetching. IEEE Transactions on Information Theory, 2018, 64, 1281-1296.	2.4	236
7	Coded Caching With Nonuniform Demands. IEEE Transactions on Information Theory, 2017, 63, 1146-1158.	2.4	208
8	Hierarchical Coded Caching. IEEE Transactions on Information Theory, 2016, 62, 3212-3229.	2.4	174
9	Online Coded Caching. IEEE/ACM Transactions on Networking, 2016, 24, 836-845.	3.8	164
10	Signaling over MIMO Multi-Base Systems: Combination of Multi-Access and Broadcast Schemes. , 2006, , .		153
11	Cache-aided interference channels. , 2015, , .		137
12	Straggler Mitigation in Distributed Matrix Multiplication: Fundamental Limits and Optimal Coding. IEEE Transactions on Information Theory, 2020, 66, 1920-1933.	2.4	131
13	A Unified Coding Framework for Distributed Computing with Straggling Servers. , 2016, , .		127
14	Coded MapReduce. , 2015, , .		113
15	Characterizing the Rate-Memory Tradeoff in Cache Networks Within a Factor of 2. IEEE Transactions on Information Theory, 2019, 65, 647-663.	2.4	99
16	A Scalable Framework for Wireless Distributed Computing. IEEE/ACM Transactions on Networking, 2017, 25, 2643-2654.	3.8	87
17	Completely stale transmitter channel state information is still very useful. , 2010, , .		80
18	Coding for caching: fundamental limits and practical challenges. , 2016, 54, 23-29.		65

#	ARTICLE	IF	CITATIONS
19	Cellular Interference Alignment. IEEE Transactions on Information Theory, 2015, 61, 1194-1217.	2.4	56
20	Private function retrieval. , 2018, , .		44
21	The exact rate-memory tradeoff for caching with uncoded prefetching. , 2017, , .		42
22	Fundamental tradeoff between computation and communication in distributed computing. , 2016, , .		41
23	On fading broadcast channels with partial channel state information at the transmitter. , 2012, , .		24
24	Coded distributed computing: Fundamental limits and practical challenges. , 2016, , .		21
25	Approximate Capacity Region of the MISO Broadcast Channels With Delayed CSIT. IEEE Transactions on Communications, 2016, 64, 2913-2924.	7.8	19
26	Edge-Facilitated Wireless Distributed Computing. , 2016, , .		18
27	Interference neutralization in distributed lossy source coding. , 2010, , .		15
28	CodedSketch: A Coding Scheme for Distributed Computation of Approximated Matrix Multiplication. IEEE Transactions on Information Theory, 2021, 67, 4185-4196.	2.4	15
29	Cellular interference alignment. , 2014, , .		10
30	Erasure Coding for Decentralized Coded Caching. , 2018, , .		8
31	On the Capacity of Time-Varying Channels With Periodic Feedback. IEEE Transactions on Information Theory, 2007, 53, 2910-2915.	2.4	6
32	Approximating the rate-distortion region of the distributed source coding for three jointly Gaussian tree-structured sources. , 2009, , .		4
33	Blind index coding over wireless channels: the value of repetition coding. , 2015, , .		3
34	The Discrepancy Attack on Polyshard-ed Blockchains. , 2021, , .		3
35	Decomposition of the MIMO X Channels. , 2007, , .		2
36	Design cost versus access cost trade-off in distributed storage systems: A combinatorial approach. , 2016, , .		1

#	ARTICLE	IF	CITATIONS
37	Subspace Coding for Coded Caching: Decentralized and Centralized Placements Meet for Three Users. , 2019, , .		1
38	Communication-optimal coding designs for caching networks. , 2017, , .		0
39	Cache-Aided Two-User Broadcast Channels with State Information at Receivers. , 2019, , .		0