

Mohammad Ali Maddah-Ali

List of Publications by Year in descending order

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39
papers

5,458
citations

567281

15
h-index

940533

16
g-index

39
all docs

39
docs citations

39
times ranked

2118
citing authors

#	ARTICLE	IF	CITATIONS
1	CodedSketch: A Coding Scheme for Distributed Computation of Approximated Matrix Multiplication. IEEE Transactions on Information Theory, 2021, 67, 4185-4196.	2.4	15
2	The Discrepancy Attack on Polyshard-ed Blockchains. , 2021, , .		3
3	Straggler Mitigation in Distributed Matrix Multiplication: Fundamental Limits and Optimal Coding. IEEE Transactions on Information Theory, 2020, 66, 1920-1933.	2.4	131
4	Cache-Aided Two-User Broadcast Channels with State Information at Receivers. , 2019, , .		0
5	Subspace Coding for Coded Caching: Decentralized and Centralized Placements Meet for Three Users. , 2019, , .		1
6	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
7	The Exact Rate-Memory Tradeoff for Caching With Uncoded Prefetching. IEEE Transactions on Information Theory, 2018, 64, 1281-1296.	2.4	236
8	A Fundamental Tradeoff Between Computation and Communication in Distributed Computing. IEEE Transactions on Information Theory, 2018, 64, 109-128.	2.4	294
9	Private function retrieval. , 2018, , .		44
10	Erasur Coding for Decentralized Coded Caching. , 2018, , .		8
11	A Scalable Framework for Wireless Distributed Computing. IEEE/ACM Transactions on Networking, 2017, 25, 2643-2654.	3.8	87
12	Coded Caching With Nonuniform Demands. IEEE Transactions on Information Theory, 2017, 63, 1146-1158.	2.4	208
13	The exact rate-memory tradeoff for caching with uncoded prefetching. , 2017, , .		42
14	Communication-optimal coding designs for caching networks. , 2017, , .		0
15	Edge-Facilitated Wireless Distributed Computing. , 2016, , .		18
16	A Unified Coding Framework for Distributed Computing with Straggling Servers. , 2016, , .		127
17	Coded distributed computing: Fundamental limits and practical challenges. , 2016, , .		21
18	Hierarchical Coded Caching. IEEE Transactions on Information Theory, 2016, 62, 3212-3229.	2.4	174

#	ARTICLE	IF	CITATIONS
19	Coding for caching: fundamental limits and practical challenges. , 2016, 54, 23-29.		65
20	Fundamental tradeoff between computation and communication in distributed computing. , 2016, , .		41
21	Design cost versus access cost trade-off in distributed storage systems: A combinatorial approach. , 2016, , .		1
22	Approximate Capacity Region of the MISO Broadcast Channels With Delayed CSIT. IEEE Transactions on Communications, 2016, 64, 2913-2924.	7.8	19
23	Online Coded Caching. IEEE/ACM Transactions on Networking, 2016, 24, 836-845.	3.8	164
24	Coded MapReduce. , 2015, , .		113
25	Blind index coding over wireless channels: the value of repetition coding. , 2015, , .		3
26	Cellular Interference Alignment. IEEE Transactions on Information Theory, 2015, 61, 1194-1217.	2.4	56
27	Decentralized Coded Caching Attains Order-Optimal Memory-Rate Tradeoff. IEEE/ACM Transactions on Networking, 2015, 23, 1029-1040.	3.8	493
28	Cache-aided interference channels. , 2015, , .		137
29	Cellular interference alignment. , 2014, , .		10
30	Fundamental Limits of Caching. IEEE Transactions on Information Theory, 2014, 60, 2856-2867.	2.4	1,342
31	On fading broadcast channels with partial channel state information at the transmitter. , 2012, , .		24
32	Completely Stale Transmitter Channel State Information is Still Very Useful. IEEE Transactions on Information Theory, 2012, 58, 4418-4431.	2.4	414
33	Completely stale transmitter channel state information is still very useful. , 2010, , .		80
34	Interference neutralization in distributed lossy source coding. , 2010, , .		15
35	Approximating the rate-distortion region of the distributed source coding for three jointly Gaussian tree-structured sources. , 2009, , .		4
36	Communication Over MIMO X Channels: Interference Alignment, Decomposition, and Performance Analysis. IEEE Transactions on Information Theory, 2008, 54, 3457-3470.	2.4	808

#	ARTICLE	IF	CITATIONS
37	Decomposition of the MIMO X Channels. , 2007, , .		2
38	On the Capacity of Time-Varying Channels With Periodic Feedback. IEEE Transactions on Information Theory, 2007, 53, 2910-2915.	2.4	6
39	Signaling over MIMO Multi-Base Systems: Combination of Multi-Access and Broadcast Schemes. , 2006, , .		153