Kai Wan

List of Publications by Year
in descending order

34 papers	386 citations	1307594 7 h-index	940533 16 g-index
35 all docs	35 docs citations	35 times ranked	147 citing authors

#	Article	IF	Citations
1	An Index Coding Approach to Caching With Uncoded Cache Placement. IEEE Transactions on Information Theory, 2020, 66, 1318-1332.	2.4	68
2	On caching with more users than files. , 2016, , .		66
3	On the Optimality of D2D Coded Caching With Uncoded Cache Placement and One-Shot Delivery. IEEE Transactions on Communications, 2019, 67, 8179-8192.	7.8	37
4	On Coded Caching With Private Demands. IEEE Transactions on Information Theory, 2021, 67, 358-372.	2.4	33
5	Caching in Combination Networks: Novel Multicast Message Generation and Delivery by Leveraging the Network Topology. , 2018, , .		22
6	A Novel Transformation Approach of Shared-Link Coded Caching Schemes for Multiaccess Networks. IEEE Transactions on Communications, 2021, 69, 7376-7389.	7.8	18
7	Fundamental Limits of Decentralized Data Shuffling. IEEE Transactions on Information Theory, 2020, 66, 3616-3637.	2.4	17
8	On the Optimal Load-Memory Tradeoff of Cache-Aided Scalar Linear Function Retrieval. IEEE Transactions on Information Theory, 2021, 67, 4001-4018.	2.4	13
9	Fundamental Limits of Distributed Data Shuffling. , 2018, , .		10
10	On the Benefits of Asymmetric Coded Cache Placement in Combination Networks with End-User Caches. , 2018, , .		9
11	A Novel Transformation Approach of Shared-link Coded Caching Schemes for Multiaccess Networks. , 2021, , .		9
12	On the Optimal Memory-Load Tradeoff of Coded Caching for Location-Based Content. IEEE Transactions on Communications, 2022, 70, 3047-3062.	7.8	8
13	On the Tradeoff Between Computation and Communication Costs for Distributed Linearly Separable Computation. IEEE Transactions on Communications, 2021, 69, 7390-7405.	7.8	7
14	On the Fundamental Limits of Cache-Aided Multiuser Private Information Retrieval. IEEE Transactions on Communications, 2021, 69, 5828-5842.	7.8	7
15	Distributed Linearly Separable Computation. IEEE Transactions on Information Theory, 2022, 68, 1259-1278.	2.4	7
16	State-of-the-art in cache-aided combination networks. , 2017, , .		5
17	Cache-aided Multiuser Private Information Retrieval. , 2020, , .		5
18	On the Fundamental Limits of Fog-RAN Cache-Aided Networks With Downlink and Sidelink Communications. IEEE Transactions on Information Theory, 2021, 67, 2353-2378.	2.4	5

#	Article	IF	Citations
19	Coded Caching Over Multicast Routing Networks. IEEE Transactions on Communications, 2021, 69, 3614-3627.	7.8	5
20	On Secure Distributed Linearly Separable Computation. IEEE Journal on Selected Areas in Communications, 2022, 40, 912-926.	14.0	5
21	Cache-Aided Matrix Multiplication Retrieval. IEEE Transactions on Information Theory, 2022, 68, 4301-4319.	2.4	5
22	Novel inner bounds with uncoded cache placement for combination networks with end-user-caches. , 2017, , .		4
23	A Novel Cache-aided Fog-RAN Architecture. , 2019, , .		4
24	Novel outer bounds for combination networks with end-user-caches. , 2017, , .		3
25	Cache-Aided General Linear Function Retrieval. Entropy, 2021, 23, 25.	2.2	3
26	Cache-Aided Scalar Linear Function Retrieval. , 2020, , .		2
27	Cache-Aided Modulation for Heterogeneous Coded Caching over a Gaussian Broadcast Channel. , 2020, , .		2
28	A New Construction of PDA for Centralized Coded Caching Schemes. , 2021, , .		2
29	Combination Networks With End-User-Caches: Novel Achievable and Converse Bounds Under Uncoded Cache Placement. IEEE Transactions on Information Theory, 2022, 68, 806-827.	2.4	2
30	On the Fundamental Limits of Device-to-Device Private Caching Under Uncoded Cache Placement and User Collusion. IEEE Transactions on Information Theory, 2022, 68, 5701-5729.	2.4	2
31	Secure Distributed Linearly Separable Computation. , 2021, , .		1
32	On D2D Caching with Uncoded Cache Placement. , 2019, , .		0
33	Routing-Based Delivery in Combination-Type Networks with Random Topology. , 2019, , .		0
34	Cache-Aided Matrix Multiplication Retrieval. , 2021, , .		0