

Kai Wan

List of Publications by Year in descending order

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147
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#	ARTICLE	IF	CITATIONS
1	Distributed Linearly Separable Computation. IEEE Transactions on Information Theory, 2022, 68, 1259-1278.	2.4	7
2	On Secure Distributed Linearly Separable Computation. IEEE Journal on Selected Areas in Communications, 2022, 40, 912-926.	14.0	5
3	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
4	Cache-Aided Matrix Multiplication Retrieval. IEEE Transactions on Information Theory, 2022, 68, 4301-4319.	2.4	5
5	On the Optimal Memory-Load Tradeoff of Coded Caching for Location-Based Content. IEEE Transactions on Communications, 2022, 70, 3047-3062.	7.8	8
6	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
7	A Novel Transformation Approach of Shared-Link Coded Caching Schemes for Multiaccess Networks. IEEE Transactions on Communications, 2021, 69, 7376-7389.	7.8	18
8	On the Tradeoff Between Computation and Communication Costs for Distributed Linearly Separable Computation. IEEE Transactions on Communications, 2021, 69, 7390-7405.	7.8	7
9	On Coded Caching With Private Demands. IEEE Transactions on Information Theory, 2021, 67, 358-372.	2.4	33
10	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
11	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
12	Coded Caching Over Multicast Routing Networks. IEEE Transactions on Communications, 2021, 69, 3614-3627.	7.8	5
13	A Novel Transformation Approach of Shared-link Coded Caching Schemes for Multiaccess Networks. , 2021, , .		9
14	Secure Distributed Linearly Separable Computation. , 2021, , .		1
15	Cache-Aided Matrix Multiplication Retrieval. , 2021, , .		0
16	On the Fundamental Limits of Cache-Aided Multiuser Private Information Retrieval. IEEE Transactions on Communications, 2021, 69, 5828-5842.	7.8	7
17	Cache-Aided General Linear Function Retrieval. Entropy, 2021, 23, 25.	2.2	3
18	A New Construction of PDA for Centralized Coded Caching Schemes. , 2021, , .		2

#	ARTICLE	IF	CITATIONS
19	Cache-Aided Scalar Linear Function Retrieval. , 2020, , .		2
20	Cache-aided Multiuser Private Information Retrieval. , 2020, , .		5
21	An Index Coding Approach to Caching With Uncoded Cache Placement. IEEE Transactions on Information Theory, 2020, 66, 1318-1332.	2.4	68
22	Fundamental Limits of Decentralized Data Shuffling. IEEE Transactions on Information Theory, 2020, 66, 3616-3637.	2.4	17
23	Cache-Aided Modulation for Heterogeneous Coded Caching over a Gaussian Broadcast Channel. , 2020, , .		2
24	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
25	On D2D Caching with Uncoded Cache Placement. , 2019, , .		0
26	A Novel Cache-aided Fog-RAN Architecture. , 2019, , .		4
27	Routing-Based Delivery in Combination-Type Networks with Random Topology. , 2019, , .		0
28	Fundamental Limits of Distributed Data Shuffling. , 2018, , .		10
29	On the Benefits of Asymmetric Coded Cache Placement in Combination Networks with End-User Caches. , 2018, , .		9
30	Caching in Combination Networks: Novel Multicast Message Generation and Delivery by Leveraging the Network Topology. , 2018, , .		22
31	Novel inner bounds with uncoded cache placement for combination networks with end-user-caches. , 2017, , .		4
32	Novel outer bounds for combination networks with end-user-caches. , 2017, , .		3
33	State-of-the-art in cache-aided combination networks. , 2017, , .		5
34	On caching with more users than files. , 2016, , .		66