Hsuan-Yin Lin

List of Publications by Year
in descending order

24 papers	239 citations	1307594 7 h-index	1281871 11 g-index
24 all docs	24 docs citations	24 times ranked	121 citing authors

#	Article	IF	Citations
1	Multi-Server Weakly-Private Information Retrieval. IEEE Transactions on Information Theory, 2022, 68, 1197-1219.	2.4	9
2	Private Linear Computation for Noncolluding Coded Databases. IEEE Journal on Selected Areas in Communications, 2022, 40, 847-861.	14.0	3
3	Optimal Rate-Distortion-Leakage Tradeoff for Single-Server Information Retrieval. IEEE Journal on Selected Areas in Communications, 2022, 40, 832-846.	14.0	3
4	Private Polynomial Function Computation for Noncolluding Coded Databases. IEEE Transactions on Information Forensics and Security, 2022, 17, 1800-1813.	6.9	1
5	The Capacity of Single-Server Weakly-Private Information Retrieval. IEEE Journal on Selected Areas in Information Theory, 2021, 2, 415-427.	2.5	11
6	Optimal Rate-Distortion-Leakage Tradeoff for Single-Server Information Retrieval. , 2021, , .		1
7	The Capacity of Single-Server Weakly-Private Information Retrieval. , 2020, , .		3
8	Optimal and Approximation Algorithms for Joint Routing and Scheduling in Millimeter-Wave Cellular Networks. IEEE/ACM Transactions on Networking, 2020, 28, 2188-2202.	3.8	12
9	Minimum Byzantine Effort for Blinding Distributed Detection in Wireless Sensor Networks. IEEE Transactions on Signal Processing, 2020, 68, 647-661.	5.3	7
10	Private Polynomial Computation for Noncolluding Coded Databases. , 2019, , .		5
11	Achieving Maximum Distance Separable Private Information Retrieval Capacity With Linear Codes. IEEE Transactions on Information Theory, 2019, 65, 4243-4273.	2.4	69
12	On the Capacity of Private Nonlinear Computation for Replicated Databases. , 2019, , .		3
13	Improved Private Information Retrieval for Coded Storage From Code Decomposition : (Invited Paper). , 2019, , .		0
14	Weakly-Private Information Retrieval. , 2019, , .		18
15	Target Localization Using Sensor Location Knowledge in Wireless Sensor Networks. IEEE Wireless Communications Letters, 2018, 7, 456-459.	5.0	6
16	Capacity of Private Linear Computation for Coded Databases. , 2018, , .		20
17	Asymmetry Helps: Improved Private Information Retrieval Protocols for Distributed Storage. , 2018, , .		11
18	Connections Between the Error Probability and the r-wise Hamming Distances. , 2018, , .		1

#	Article	IF	Citations
19	Weak Flip Codes and their Optimality on the Binary Erasure Channel. IEEE Transactions on Information Theory, 2018, 64, 5191-5218.	2.4	15
20	Nonlinear codes outperform the best linear codes on the binary erasure channel. , 2015, , .		4
21	Optimal Ultrasmall Block-Codes for Binary Discrete Memoryless Channels. IEEE Transactions on Information Theory, 2013, 59, 7346-7378.	2.4	22
22	Equidistant codes meeting the Plotkin bound are Not optimal on the binary symmetric channel. , 2013, , .		9
23	The asymptotic capacity of noncoherent single-input multiple-output fading channels with memory and feedback. , 2013, , .		0
24	Weak flip codes and applications to optimal code design on the binary erasure channel. , 2012, , .		6