

Salim El Rouayheb

List of Publications by Year in descending order

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46
papers

1,863
citations

687363

13
h-index

713466

21
g-index

47
all docs

47
docs citations

47
times ranked

872
citing authors

#	ARTICLE	IF	CITATIONS
1	On the Index Coding Problem and Its Relation to Network Coding and Matroid Theory. IEEE Transactions on Information Theory, 2010, 56, 3187-3195.	2.4	280
2	Securing Dynamic Distributed Storage Systems Against Eavesdropping and Adversarial Attacks. IEEE Transactions on Information Theory, 2011, 57, 6734-6753.	2.4	142
3	Fractional repetition codes for repair in distributed storage systems. , 2010, , .		126
4	Private Information Retrieval From MDS Coded Data in Distributed Storage Systems. IEEE Transactions on Information Theory, 2018, 64, 7081-7093.	2.4	122
5	Secure Network Coding for Wiretap Networks of Type II. IEEE Transactions on Information Theory, 2012, 58, 1361-1371.	2.4	98
6	An Equivalence Between Network Coding and Index Coding. IEEE Transactions on Information Theory, 2015, 61, 2478-2487.	2.4	91
7	Private information retrieval from MDS coded data in distributed storage systems. , 2016, , .		76
8	Private Information Retrieval With Side Information. IEEE Transactions on Information Theory, 2020, 66, 2032-2043.	2.4	75
9	Private information retrieval schemes for coded data with arbitrary collusion patterns. , 2017, , .		74
10	Minimizing latency for secure distributed computing. , 2017, , .		60
11	GASP Codes for Secure Distributed Matrix Multiplication. IEEE Transactions on Information Theory, 2020, 66, 4038-4050.	2.4	55
12	DRESS codes for the storage cloud: Simple randomized constructions. , 2011, , .		50
13	On secure distributed data storage under repair dynamics. , 2010, , .		47
14	Data secrecy in distributed storage systems under exact repair. , 2013, , .		46
15	On the Capacity of Single-Server Multi-Message Private Information Retrieval with Side Information. , 2018, , .		41
16	On the relation between the Index Coding and the Network Coding problems. , 2008, , .		39
17	Deterministic algorithm for the cooperative data exchange problem. , 2011, , .		39
18	Capacity and Security of Heterogeneous Distributed Storage Systems. IEEE Journal on Selected Areas in Communications, 2013, 31, 2701-2709.	14.0	37

#	ARTICLE	IF	CITATIONS
19	Guess & Check Codes for Deletions, Insertions, and Synchronization. IEEE Transactions on Information Theory, 2019, 65, 3-15.	2.4	34
20	Minimizing Latency for Secure Coded Computing Using Secret Sharing via Staircase Codes. IEEE Transactions on Communications, 2020, 68, 4609-4619.	7.8	34
21	Staircase Codes for Secret Sharing With Optimal Communication and Read Overheads. IEEE Transactions on Information Theory, 2018, 64, 933-943.	2.4	32
22	Robust private information retrieval on coded data. , 2017, , .		27
23	Single-Server Multi-Message Individually-Private Information Retrieval with Side Information. , 2019, , .		27
24	Private information retrieval with side information: The single server case. , 2017, , .		26
25	Efficient Algorithms for the Data Exchange Problem. IEEE Transactions on Information Theory, 2016, 62, 1878-1896.	2.4	24
26	Codes for a distributed caching based Video-on-Demand system. , 2011, , .		17
27	GASP Codes for Secure Distributed Matrix Multiplication. , 2019, , .		15
28	A new construction method for networks from matroids. , 2009, , .		12
29	Securing dynamic distributed storage systems from malicious nodes. , 2011, , .		11
30	Private and rateless adaptive coded matrix-vector multiplication. Eurasip Journal on Wireless Communications and Networking, 2021, 2021, .	2.4	10
31	Guess & check codes for deletions and synchronization. , 2017, , .		9
32	Degree Tables for Secure Distributed Matrix Multiplication. IEEE Journal on Selected Areas in Information Theory, 2021, 2, 907-918.	2.5	8
33	Private Weighted Random Walk Stochastic Gradient Descent. IEEE Journal on Selected Areas in Information Theory, 2021, 2, 452-463.	2.5	7
34	Synchronization and Deduplication in Coded Distributed Storage Networks. IEEE/ACM Transactions on Networking, 2016, 24, 3056-3069.	3.8	6
35	Codes for Correcting Localized Deletions. IEEE Transactions on Information Theory, 2021, 67, 2206-2216.	2.4	6
36	Field Trace Polynomial Codes for Secure Distributed Matrix Multiplication. , 2021, , .		6

#	ARTICLE	IF	CITATIONS
37	ON-OFF Privacy with Correlated Requests. , 2019, , .		5
38	ON-OFF Privacy Against Correlation Over Time. IEEE Transactions on Information Forensics and Security, 2021, 16, 2104-2117.	6.9	5
39	Can linear minimum storage regenerating codes be universally secure?. , 2015, , .		4
40	Correcting bursty and localized deletions using guess & check codes. , 2017, , .		4
41	Preserving ON-OFF Privacy for Past and Future Requests. , 2019, , .		3
42	ON-OFF Privacy in the Presence of Correlation. IEEE Transactions on Information Theory, 2021, 67, 7438-7457.	2.4	3
43	Mechanisms for Hiding Sensitive Genotypes With Information-Theoretic Privacy. IEEE Transactions on Information Theory, 2022, 68, 4090-4105.	2.4	3
44	Random Walk Gradient Descent for Decentralized Learning on Graphs. , 2019, , .		2
45	Efficient Network Coding Algorithms for Dynamic Networks. , 2009, , .		1
46	Codes With Locality in the Rank and Subspace Metrics. IEEE Transactions on Information Theory, 2019, 65, 5454-5468.	2.4	0