Parimal Parag

List of Publications by Year
in descending order

42 papers	618 citations	933447 10 h-index	839539 18 g-index
42 all docs	42 docs citations	42 times ranked	485 citing authors

#	Article	IF	Citations
1	Resource Allocation and Quality of Service Evaluation for Wireless Communication Systems Using Fluid Models. IEEE Transactions on Information Theory, 2007, 53, 1767-1777.	2.4	92
2	Minimizing latency for secure distributed computing. , 2017, , .		60
3	Quality of Service Analysis for Wireless User-Cooperation Networks. IEEE Transactions on Information Theory, 2007, 53, 3833-3842.	2.4	46
4	Content-aware caching and traffic management in content distribution networks. , 2011, , .		43
5	A subcarrier allocation algorithm for OFDMA using buffer and channel state information. , 0, , .		42
6	On Real-Time Status Updates over Symbol Erasure Channels. , 2017, , .		41
7	Minimizing Latency for Secure Coded Computing Using Secret Sharing via Staircase Codes. IEEE Transactions on Communications, 2020, 68, 4609-4619.	7.8	34
8	Optimal Lossless Source Codes for Timely Updates. , 2018, , .		28
9	Optimal Source Codes for Timely Updates. IEEE Transactions on Information Theory, 2020, 66, 3714-3731.	2.4	26
10	Queueing Analysis of a Butterfly Network for Comparing Network Coding to Classical Routing. IEEE Transactions on Information Theory, 2010, 56, 1890-1908.	2.4	24
11	Latency Analysis for Distributed Coded Storage Systems. IEEE Transactions on Information Theory, 2019, 65, 4683-4698.	2.4	17
12	Optimal Server Selection for Straggler Mitigation. IEEE/ACM Transactions on Networking, 2020, 28, 709-721.	3.8	14
13	Fixed Length Differential Encoding for Real-Time Status Updates. IEEE Transactions on Communications, 2019, 67, 2381-2392.	7.8	13
14	Code-Rate Selection, Queueing Behavior, and the Correlated Erasure Channel. IEEE Transactions on Information Theory, 2013, 59, 397-407.	2.4	12
15	Differential Encoding for Real-Time Status Updates. , 2017, , .		11
16	Real-time status updates for correlated source. , 2017, , .		11
17	Real-Time Status Updates for Markov Source. IEEE Transactions on Information Theory, 2019, 65, 5737-5749.	2.4	11
18	CORNET: A Co-Simulation Middleware for Robot Networks. , 2020, , .		11

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19	Real-Time Status Updates With Perfect Feedback Over Erasure Channels. IEEE Transactions on Communications, 2020, 68, 5363-5374.	7.8	10
20	Sequential addition of coded sub-tasks for straggler mitigation. , 2020, , .		8
21	Latency analysis for distributed storage. , 2017, , .		7
22	Adaptive Distributed Stochastic Gradient Descent for Minimizing Delay in the Presence of Stragglers. , 2020, , .		7
23	A Systematic Approach to Incremental Redundancy With Application to Erasure Channels. IEEE Transactions on Communications, 2019, 67, 2620-2631.	7.8	6
24	Queueing analysis of a butterfly network. , 2008, , .		5
25	Value-aware Resource Allocation for Service Guarantees in Networks. , 2010, , .		5
26	On the queueing behavior of random codes over a gilbert-elliot erasure channel. , 2010, , .		4
27	A Systematic Approach to Incremental Redundancy over Erasure Channels. , 2018, , .		4
28	Mode-Suppression: A Simple and Provably Stable Chunk-Sharing Algorithm for P2P Networks. , 2018, , .		4
29	Single-Forking of Coded Subtasks for Straggler Mitigation. IEEE/ACM Transactions on Networking, 2021, 29, 2413-2424.	3.8	4
30	Code rate, queueing behavior and the correlated erasure channel. , 2010, , .		3
31	Value-Aware Resource Allocation for Service Guarantees in Networks. IEEE Journal on Selected Areas in Communications, 2011, 29, 960-968.	14.0	3
32	Tracking an Auto-Regressive Process with Limited Communication per Unit Time. Entropy, 2021, 23, 347.	2.2	2
33	Variable Length Differential Encoding for Real-Time Status Updates. IEEE Communications Letters, 2021, 25, 1129-1133.	4.1	2
34	Latency Optimal Storage and Scheduling of Replicated Fragments for Memory Constrained Servers. IEEE Transactions on Information Theory, 2022, 68, 4135-4155.	2.4	2
35	Novel Latency Bounds for Distributed Coded Storage. , 2018, , .		1
36	Mode-Suppression: A Simple, Stable and Scalable Chunk-Sharing Algorithm for P2P Networks. IEEE/ACM Transactions on Networking, 2021, , 1-12.	3.8	1

#	Article	IF	Citations
37	Low latency replication coded storage over memory -constrained servers. , 2021, , .		1
38	On the Latency in Vehicular Control using Video Streaming over Wi-Fi. , 2020, , .		1
39	Optimal pricing in multi server systems. Performance Evaluation, 2022, 154, 102282.	1.2	1
40	Latency-Redundancy Tradeoff in Distributed Read-Write Systems. , 2022, , .		1
41	Exploiting an interplay between norms to analyze scalar quantization schemes. , 2011, , .		0
42	Tracking an Auto-Regressive Process with Limited Communication. , 2020, , .		0