

Ao Tang

List of Publications by Year in descending order

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Version: 2024-02-01

33
papers

271
citations

1306789

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1588620

8
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33
all docs

33
docs citations

33
times ranked

348
citing authors

#	ARTICLE	IF	CITATIONS
1	A Unique "Nonnegative" Solution to an Underdetermined System: From Vectors to Matrices. IEEE Transactions on Signal Processing, 2011, 59, 1007-1016.	3.2	54
2	Sparse Error Correction From Nonlinear Measurements With Applications in Bad Data Detection for Power Networks. IEEE Transactions on Signal Processing, 2013, 61, 6175-6187.	3.2	45
3	HALO: Hop-by-Hop Adaptive Link-State Optimal Routing. IEEE/ACM Transactions on Networking, 2015, 23, 1862-1875.	2.6	38
4	Network Stability Under Alpha Fair Bandwidth Allocation With General File Size Distribution. IEEE Transactions on Automatic Control, 2012, 57, 579-591.	3.6	25
5	Conditions for a unique non-negative solution to an underdetermined system. , 2009, , .		11
6	Dynamics-aware optimal power flow. , 2013, , .		11
7	Total Wiring Length Minimization of C. elegans Neural Network: A Constrained Optimization Approach. PLoS ONE, 2015, 10, e0145029.	1.1	9
8	Phase-Coupled Oscillators with Plastic Coupling: Synchronization and Stability. IEEE Transactions on Network Science and Engineering, 2016, 3, 240-256.	4.1	9
9	Game theory for heterogeneous flow control. , 2008, , .		8
10	Random convex approximations of ambiguous chance constrained programs. , 2016, , .		8
11	Routing Stability in Hybrid Software-Defined Networks. IEEE/ACM Transactions on Networking, 2019, 27, 790-804.	2.6	8
12	Synchronization of phase-coupled oscillators with plastic coupling strength. , 2015, , .		6
13	Time-aware congestion-free routing reconfiguration. , 2016, , .		5
14	Optimization-based network flow deadline scheduling. , 2016, , .		5
15	Accurate Rate-Aware Flow-level Traffic Splitting. , 2018, , .		5
16	Stability and robustness conditions using frequency dependent half planes. , 2009, , .		3
17	A local search algorithm for the Witsenhausen's counterexample. , 2017, , .		3
18	Coflow Deadline Scheduling via Network-Aware Optimization. , 2018, , .		3

#	ARTICLE	IF	CITATIONS
19	Quadrisection-based task mapping on many-core processors for energy-efficient on-chip communication. , 2013, , .		2
20	Packet clustering introduced by routers: Modeling, analysis and experiments. , 2014, , .		2
21	Network utility maximization with path cardinality constraints. , 2016, , .		2
22	End-to-end network throughput optimization through last-mile diversity. , 2018, , .		2
23	Worst-Case Latency Performance Of Load Balancing Through Distributed Waterfilling Algorithm. , 2019, , .		2
24	HFTraC. , 2017, , .		1
25	Cost of not arbitrarily splitting in routing. , 2017, , .		1
26	A Control-Theoretic Approach to In-Network Congestion Management. IEEE/ACM Transactions on Networking, 2018, 26, 2443-2456.	2.6	1
27	Uncertainty-Aware optimization for Network Provisioning and Routing. , 2019, , .		1
28	On upper bounding Shannon capacity of graph through generalized conic programming. Optimization Letters, 2019, 13, 1313-1323.	0.9	1
29	On the performance of averaged optimal routing. , 2012, , .		0
30	Traffic engineering with elastic traffic. , 2013, , .		0
31	Congestion-free routing reconfiguration: Formulation and examples. , 2014, , .		0
32	Analysis of Fast Adaptive Traffic Engineering Using a Feedback Control Model. , 2018, , .		0
33	Acceleration of Multipath TCP by Letting ACKs Take the Shortest Path. , 2019, , .		0