Stacy Patterson

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/1298399/publications.pdf

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35	1,035	933447	996975
papers	citations	10 h-index	15 g-index

35	35	35	755
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Coherence in Large-Scale Networks: Dimension-Dependent Limitations of Local Feedback. IEEE Transactions on Automatic Control, 2012, 57, 2235-2249.	5.7	327
2	Convergence Rates of Distributed Average Consensus With Stochastic Link Failures. IEEE Transactions on Automatic Control, 2010, 55, 880-892.	5.7	120
3	Leader selection for optimal network coherence. , 2010, , .		110
4	Consensus and Coherence in Fractal Networks. IEEE Transactions on Control of Network Systems, 2014, 1, 338-348.	3.7	73
5	Distributed Compressed Sensing for Static and Time-Varying Networks. IEEE Transactions on Signal Processing, 2014, 62, 4931-4946.	5.3	69
6	EdgeBench: Benchmarking Edge Computing Platforms. , 2018, , .		64
7	Scale-Free Loopy Structure is Resistant to Noise in Consensus Dynamics in Complex Networks. IEEE Transactions on Cybernetics, 2020, 50, 190-200.	9.5	33
8	Performance Optimization for Edge-Cloud Serverless Platforms via Dynamic Task Placement. , 2020, , .		33
9	Network coherence in fractal graphs. , 2011, , .		29
10	Optimal k-leader selection for coherence and convergence rate in one-dimensional networks. IEEE Transactions on Control of Network Systems, 2017, 4, 523-532.	3.7	24
11	A Resistance-Distance-Based Approach for Optimal Leader Selection in Noisy Consensus Networks. IEEE Transactions on Control of Network Systems, 2019, 6, 191-201.	3.7	15
12	Maximum Sustainable throughput Prediction for Data Stream Processing over Public Clouds. , 2017, , .		14
13	Submodular Optimization for Consensus Networks With Noise-Corrupted Leaders. IEEE Transactions on Automatic Control, 2019, 64, 3054-3059.	5.7	13
14	Compressed Learning for Tactile Object Recognition. IEEE Robotics and Automation Letters, 2018, 3, 1616-1623.	5.1	11
15	Shifting Opinions in a Social Network Through Leader Selection. IEEE Transactions on Control of Network Systems, 2021, 8, 1116-1127.	3.7	11
16	In-network leader selection for acyclic graphs. , 2015, , .		10
17	Maximizing the Number of Spanning Trees in a Connected Graph. IEEE Transactions on Information Theory, 2020, 66, 1248-1260.	2.4	10
18	Maximizing Diversity of Opinion in Social Networks. , 2019, , .		9

#	Article	IF	Citations
19	Optimizing the Coherence of a Network of Networks. IEEE Transactions on Control of Network Systems, 2020, 7, 1465-1475.	3.7	7
20	Convergence rates of consensus algorithms in stochastic networks. , 2010, , .		6
21	Elastic Virtual Machine Scheduling for Continuous Air Traffic Optimization. , 2016, , .		5
22	Compressed sensing for tactile skins. , 2016, , .		5
23	Optimizing the coherence of composite networks. , 2017, , .		5
24	Cost-Efficient High-Performance Internet-Scale Data Analytics over Multi-cloud Environments. , 2015, , .		4
25	MOVESET: MOdular VEhicle SEnsor Technology. , 2016, , .		4
26	Cost-Efficient Elastic Stream Processing Using Application-Agnostic Performance Prediction. , 2016, , .		4
27	Optimizing coherence in 1-D noisy consensus networks with noise-free leaders. , 2017, , .		4
28	Biharmonic Distance-Based Performance Metric for Second-Order Noisy Consensus Networks. IEEE Transactions on Information Theory, 2022, 68, 1220-1236.	2.4	4
29	Distributed compressed sensing in dynamic networks. , 2013, , .		2
30	Convergence Rate of Consensus in a Network of Networks. , 2018, , .		2
31	Second Order Consensus with Absolute Information. , 2018, , .		2
32	Diffusion and Consensus in a Weakly Coupled Network of Networks. IEEE Transactions on Control of Network Systems, 2021, 8, 1601-1612.	3.7	2
33	Cross-Silo Federated Learning for Multi-Tier Networks with Vertical and Horizontal Data Partitioning. ACM Transactions on Intelligent Systems and Technology, 2022, 13, 1-27.	4.5	2
34	Distributed semi-stochastic optimization with quantization refinement. , 2016, , .		1
35	Distributed Submodular Maximization with Bounded Communication Cost. , 2019, , .		1