

Stacy Patterson

List of Publications by Year in descending order

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35
papers

1,035
citations

933447

10
h-index

996975

15
g-index

35
all docs

35
docs citations

35
times ranked

755
citing authors

#	ARTICLE	IF	CITATIONS
1	Biharmonic Distance-Based Performance Metric for Second-Order Noisy Consensus Networks. IEEE Transactions on Information Theory, 2022, 68, 1220-1236.	2.4	4
2	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
3	Diffusion and Consensus in a Weakly Coupled Network of Networks. IEEE Transactions on Control of Network Systems, 2021, 8, 1601-1612.	3.7	2
4	Shifting Opinions in a Social Network Through Leader Selection. IEEE Transactions on Control of Network Systems, 2021, 8, 1116-1127.	3.7	11
5	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
6	Maximizing the Number of Spanning Trees in a Connected Graph. IEEE Transactions on Information Theory, 2020, 66, 1248-1260.	2.4	10
7	Performance Optimization for Edge-Cloud Serverless Platforms via Dynamic Task Placement. , 2020, , .		33
8	Optimizing the Coherence of a Network of Networks. IEEE Transactions on Control of Network Systems, 2020, 7, 1465-1475.	3.7	7
9	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
10	Distributed Submodular Maximization with Bounded Communication Cost. , 2019, , .		1
11	Submodular Optimization for Consensus Networks With Noise-Corrupted Leaders. IEEE Transactions on Automatic Control, 2019, 64, 3054-3059.	5.7	13
12	Maximizing Diversity of Opinion in Social Networks. , 2019, , .		9
13	Compressed Learning for Tactile Object Recognition. IEEE Robotics and Automation Letters, 2018, 3, 1616-1623.	5.1	11
14	Convergence Rate of Consensus in a Network of Networks. , 2018, , .		2
15	EdgeBench: Benchmarking Edge Computing Platforms. , 2018, , .		64
16	Second Order Consensus with Absolute Information. , 2018, , .		2
17	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
18	Optimizing coherence in 1-D noisy consensus networks with noise-free leaders. , 2017, , .		4

#	ARTICLE	IF	CITATIONS
19	Maximum Sustainable throughput Prediction for Data Stream Processing over Public Clouds. , 2017, , .		14
20	Optimizing the coherence of composite networks. , 2017, , .		5
21	Distributed semi-stochastic optimization with quantization refinement. , 2016, , .		1
22	Elastic Virtual Machine Scheduling for Continuous Air Traffic Optimization. , 2016, , .		5
23	MOVESET: MODular VEhicle SEnsor Technology. , 2016, , .		4
24	Cost-Efficient Elastic Stream Processing Using Application-Agnostic Performance Prediction. , 2016, , .		4
25	Compressed sensing for tactile skins. , 2016, , .		5
26	In-network leader selection for acyclic graphs. , 2015, , .		10
27	Cost-Efficient High-Performance Internet-Scale Data Analytics over Multi-cloud Environments. , 2015, , .		4
28	Consensus and Coherence in Fractal Networks. IEEE Transactions on Control of Network Systems, 2014, 1, 338-348.	3.7	73
29	Distributed Compressed Sensing for Static and Time-Varying Networks. IEEE Transactions on Signal Processing, 2014, 62, 4931-4946.	5.3	69
30	Distributed compressed sensing in dynamic networks. , 2013, , .		2
31	Coherence in Large-Scale Networks: Dimension-Dependent Limitations of Local Feedback. IEEE Transactions on Automatic Control, 2012, 57, 2235-2249.	5.7	327
32	Network coherence in fractal graphs. , 2011, , .		29
33	Convergence rates of consensus algorithms in stochastic networks. , 2010, , .		6
34	Leader selection for optimal network coherence. , 2010, , .		110
35	Convergence Rates of Distributed Average Consensus With Stochastic Link Failures. IEEE Transactions on Automatic Control, 2010, 55, 880-892.	5.7	120