

Thinh Nguyen

List of Publications by Year in descending order

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55
papers

1,080
citations

1040056

9
h-index

794594

19
g-index

55
all docs

55
docs citations

55
times ranked

946
citing authors

#	ARTICLE	IF	CITATIONS
1	Wireless Broadcast Using Network Coding. IEEE Transactions on Vehicular Technology, 2009, 58, 914-925.	6.3	328
2	Distance Based Thresholds for Cluster Head Selection in Wireless Sensor Networks. IEEE Communications Letters, 2012, 16, 1396-1399.	4.1	198
3	Localization In Wireless Sensor Networks Based on Support Vector Machines. IEEE Transactions on Parallel and Distributed Systems, 2008, 19, 981-994.	5.6	173
4	Optimal Camera Network Configurations for Visual Tagging. IEEE Journal on Selected Topics in Signal Processing, 2008, 2, 464-479.	10.8	53
5	A Dynamic Virtual Machine Placement and Migration Scheme for Data Centers. IEEE Transactions on Services Computing, 2021, 14, 329-341.	4.6	46
6	A hybrid network coding technique for single-hop wireless networks. IEEE Journal on Selected Areas in Communications, 2009, 27, 685-698.	14.0	45
7	Network coding-based wireless media transmission using POMDP. , 2009, , .		22
8	Hybrid ARQ-random network coding for wireless media streaming. , 2008, , .		20
9	Joint Network Coding and Scheduling for Media Streaming Over Multiuser Wireless Networks. IEEE Transactions on Vehicular Technology, 2011, 60, 1086-1098.	6.3	19
10	Robust Data-Optimized Stochastic Analog-to-Digital Converters. IEEE Transactions on Signal Processing, 2007, 55, 2735-2740.	5.3	16
11	Joint virtual machine placement and migration scheme for datacenters. , 2014, , .		15
12	A Prioritized MAC Protocol for Multihop, Event-driven Wireless Sensor Networks. , 2006, , .		14
13	On the Capacities of Discrete Memoryless Thresholding Channels. , 2018, , .		11
14	On Binary Quantizer For Maximizing Mutual Information. IEEE Transactions on Communications, 2020, 68, 5435-5445.	7.8	11
15	Support Vector Classification Strategies for Localization in Sensor Networks. , 2006, , .		6
16	A random projection approach to subscription covering detection in publish/subscribe systems. , 2007, , .		6
17	Framework for discrete-time quantum walks and a symmetric walk on a binary tree. Physical Review A, 2011, 84, .	2.5	6
18	Structure of Optimal Quantizer for Binary-Input Continuous-Output Channels with Output Constraints. , 2020, , .		6

#	ARTICLE	IF	CITATIONS
19	Capacity Achieving Quantizer Design for Binary Channels. IEEE Communications Letters, 2021, 25, 759-763.	4.1	6
20	Publish/Subscribe Service in CAN-based P2P Networks: Dimension Mismatch and The Random Projection Approach. , 2008, , .		5
21	On Closed Form Capacities of Discrete Memoryless Channels. , 2018, , .		5
22	On Thresholding Quantizer Design for Mutual Information Maximization: Optimal Structures and Algorithms. , 2020, , .		5
23	A Linear Time Partitioning Algorithm for Frequency Weighted Impurity Functions. , 2020, , .		5
24	A New Fast Algorithm for Finding Capacity of Discrete Memoryless Thresholding Channels. , 2020, , .		5
25	Achieving Quality of Service with Adaptation-based Programming for medium access protocols. , 2012, , .		4
26	Data Collection in Sensor Networks via the Novel Fast Markov Decision Process Framework. IEEE Transactions on Wireless Communications, 2015, 14, 4522-4533.	9.2	4
27	Location Assisted Coding for FSO Communication. IEEE Transactions on Communications, 2017, , 1-1.	7.8	4
28	On Achievable Rate Region Using Location Assisted Coding (LAC) for FSO Communication. , 2017, , .		4
29	On Bounds and Closed-Form Expressions for Capacities of Discrete Memoryless Channels With Invertible Positive Matrices. IEEE Transactions on Vehicular Technology, 2020, 69, 9910-9920.	6.3	4
30	Towards Adaptive Packet Scheduler with Deep-Q Reinforcement Learning. , 2020, , .		4
31	Adaptive Network Coding for Wireless Access Networks. , 2010, , .		3
32	Satellite jamming: A game theoretic analysis. , 2017, , .		3
33	On Reducing Communication Energy Using Cross-Sensor Coding Technique. International Journal of Distributed Sensor Networks, 2011, 7, 837128.	2.2	3
34	Modeling and Dynamics Analysis of P2P Networks Based on Evolutionary Games. , 2009, , .		2
35	Adiabatic Markov Decision Process with application to queuing systems. , 2013, , .		2
36	Network Protocol Designs: Fast Queuing Policies via Convex Relaxation. IEEE Transactions on Communications, 2014, 62, 182-193.	7.8	2

#	ARTICLE	IF	CITATIONS
37	Communication on the move with satellite digital beamforming. , 2017, , .		2
38	SEQUENTIAL GAME NETWORK (SEGANE) WITH APPLICATION TO ONLINE DATA SANITIZATION. , 2018, , .		2
39	Optimal Quantizer Structure for Maximizing Mutual Information Under Constraints. IEEE Transactions on Communications, 2021, 69, 7406-7413.	7.8	2
40	Communication-Channel Optimized Impurity Partition. , 2020, , .		2
41	Wireless Video Streaming with Collaborative Admission Control for Home Networks. , 2007, , .		1
42	Collaborative Distributed Admission Control (CDAC) for Wireless Ad Hoc Networks. Wireless Personal Communications, 2008, 47, 171-191.	2.7	1
43	Adaptation-based programming for network protocol design: An 802.11x case study (abstract). , 2011, , .		1
44	Analysis of adaptive queueing policies via adiabatic approach. , 2013, , .		1
45	Fast Markov Decision Process for data collection in sensor networks. , 2014, , .		1
46	WiFO: Hybrid WiFi and Free-Space Optical Communication System with PAM Optimal Decoding. , 2016, , .		1
47	Stable adiabatic times for Markov chains. Stochastics, 2016, 88, 567-585.	1.1	1
48	Collaborative Distributed Admission Control (CDAC) for Wireless Network. , 2007, , .		0
49	On Throughput Guarantee of Aloha-Like Multi-Hop Wireless Networks. Wireless Personal Communications, 2010, 53, 53-66.	2.7	0
50	Output Energy Maximization Approach for Carrier-Phase Offset Recovery of 8-VSB Signals. IEEE Transactions on Broadcasting, 2016, 62, 120-127.	3.2	0
51	Probabilistic Models and Algorithms for Data Synchronization/Broadcast Via Network Coding. IEEE Transactions on Vehicular Technology, 2017, 66, 6075-6088.	6.3	0
52	Embedded Coding Techniques for FSO Communication. , 2017, , .		0
53	Memory Decoding Algorithm for FSO Transmission. , 2020, , .		0
54	Constant Approximation Algorithm for Minimizing Concave Impurity. , 2021, , .		0

#	ARTICLE	IF	CITATIONS
55	Optimal Thresholding Quantizer Maximizing Mutual Information of Discrete Multiple-Input Continuous One-Bit Output Quantization. , 2021, , .		0