

Sameh Sorour

List of Publications by Year in descending order

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95
papers

2,763
citations

471509

17
h-index

243625

44
g-index

95
all docs

95
docs citations

95
times ranked

2743
citing authors

#	ARTICLE	IF	CITATIONS
1	Deep Learning for IoT Big Data and Streaming Analytics: A Survey. IEEE Communications Surveys and Tutorials, 2018, 20, 2923-2960.	39.4	905
2	Indoor Tracking and Navigation Using Received Signal Strength and Compressive Sensing on a Mobile Device. IEEE Transactions on Mobile Computing, 2013, 12, 2050-2062.	5.8	146
3	Joint Indoor Localization and Radio Map Construction with Limited Deployment Load. IEEE Transactions on Mobile Computing, 2015, 14, 1031-1043.	5.8	115
4	Handover Management in 5G and Beyond: A Topology Aware Skipping Approach. IEEE Access, 2016, 4, 9073-9081.	4.2	111
5	Completion Delay Minimization for Instantly Decodable Network Codes. IEEE/ACM Transactions on Networking, 2015, 23, 1553-1567.	3.8	93
6	Velocity-Aware Handover Management in Two-Tier Cellular Networks. IEEE Transactions on Wireless Communications, 2017, 16, 1851-1867.	9.2	87
7	Minimum Broadcast Decoding Delay for Generalized Instantly Decodable Network Coding. , 2010, , .		82
8	Instantly decodable network coding for real-time device-to-device communications. Eurasip Journal on Advances in Signal Processing, 2016, 2016, .	1.7	75
9	Enabling a Tradeoff between Completion Time and Decoding Delay in Instantly Decodable Network Coded Systems. IEEE Transactions on Communications, 2014, 62, 1296-1309.	7.8	55
10	Handover management in dense cellular networks: A stochastic geometry approach. , 2016, , .		55
11	Instantly Decodable Network Coding: From Centralized to Device-to-Device Communications. IEEE Communications Surveys and Tutorials, 2017, 19, 1201-1224.	39.4	43
12	An Adaptive Network Coded Retransmission Scheme for Single-Hop Wireless Multicast Broadcast Services. IEEE/ACM Transactions on Networking, 2011, 19, 869-878.	3.8	39
13	Optimal Cloud-Based Routing With In-Route Charging of Mobility-on-Demand Electric Vehicles. IEEE Transactions on Intelligent Transportation Systems, 2019, 20, 2510-2522.	8.0	37
14	Completion Delay Minimization for Instantly Decodable Network Coding with Limited Feedback. , 2011, , .		33
15	Partially Blind Instantly Decodable Network Codes for Lossy Feedback Environment. IEEE Transactions on Wireless Communications, 2014, 13, 4871-4883.	9.2	31
16	Indoor Localization and Radio Map Estimation Using Unsupervised Manifold Alignment with Geometry Perturbation. IEEE Transactions on Mobile Computing, 2016, 15, 2794-2808.	5.8	31
17	Cooperative Handover Management in Dense Cellular Networks. , 2016, , .		28
18	Adaptive Task Allocation for Mobile Edge Learning. , 2019, , .		26

#	ARTICLE	IF	CITATIONS
19	Completion time reduction in instantly decodable network coding through decoding delay control. , 2014, , .		24
20	RSS based indoor localization with limited deployment load. , 2012, , .		23
21	Joint Delay and Cost Optimization of In-Route Charging for On-Demand Electric Vehicles. IEEE Transactions on Intelligent Vehicles, 2020, 5, 149-164.	12.7	23
22	Adaptive network coded retransmission scheme for wireless multicast. , 2009, , .		21
23	Decoding-Delay-Controlled Completion Time Reduction in Instantly Decodable Network Coding. IEEE Transactions on Vehicular Technology, 2017, 66, 2756-2770.	6.3	20
24	Vanets Meet Autonomous Vehicles: Multimodal Surrounding Recognition Using Manifold Alignment. IEEE Access, 2018, 6, 29026-29040.	4.2	20
25	A Lossy Graph Model for Delay Reduction in Generalized Instantly Decodable Network Coding. IEEE Wireless Communications Letters, 2014, 3, 281-284.	5.0	19
26	On densifying coding opportunities in instantly decodable network coding graphs. , 2012, , .		18
27	On Minimizing the Maximum Broadcast Decoding Delay for Instantly Decodable Network Coding. , 2014, , .		17
28	Network-Coded Content Delivery in Femtocaching-Assisted Cellular Networks. , 2015, , .		17
29	Delay reduction in multi-hop device-to-device communication using network coding. , 2015, , .		17
30	Optimal Caching in 5G Networks With Opportunistic Spectrum Access. IEEE Transactions on Wireless Communications, 2018, 17, 4447-4461.	9.2	17
31	Network-Coded Macrocell Offloading in Femtocaching-Assisted Cellular Networks. IEEE Transactions on Vehicular Technology, 2018, 67, 2644-2659.	6.3	17
32	An Application-Driven Framework for Intelligent Transportation Systems Using 5G Network Slicing. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 5247-5260.	8.0	17
33	Delay Reduction in Multi-Hop Device-to-Device Communication Using Network Coding. IEEE Transactions on Wireless Communications, 2018, 17, 7040-7053.	9.2	16
34	Instantly decodable network coding for real-time scalable video broadcast over wireless networks. Eurasip Journal on Advances in Signal Processing, 2016, 2016, .	1.7	15
35	Rate Aware Instantly Decodable Network Codes. IEEE Transactions on Wireless Communications, 2017, 16, 998-1011.	9.2	15
36	Opportunistic Network Coding-Assisted Cloud Offloading in Heterogeneous Fog Radio Access Networks. IEEE Access, 2019, 7, 56147-56162.	4.2	15

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37	Delay Reduction in Persistent Erasure Channels for Generalized Instantly Decodable Network Coding. , 2013, , .		14
38	A game theoretic approach to minimize the completion time of network coded cooperative data exchange. , 2014, , .		14
39	Delay Reduction for Instantly Decodable Network Coding in Persistent Channels With Feedback Imperfections. IEEE Transactions on Wireless Communications, 2015, 14, 5956-5970.	9.2	14
40	Mobility-Aware User Association in Uplink Cellular Networks. IEEE Communications Letters, 2017, 21, 2452-2455.	4.1	14
41	Network Coding for Video Distortion Reduction in Device-to-Device Communications. IEEE Transactions on Vehicular Technology, 2017, 66, 4898-4913.	6.3	14
42	Cross-Layer Cloud Offloading With Quality of Service Guarantees in Fog-RANs. IEEE Transactions on Communications, 2019, 67, 8435-8449.	7.8	14
43	Rate Aware Network Codes for Cloud Radio Access Networks. IEEE Transactions on Mobile Computing, 2019, 18, 1898-1910.	5.8	14
44	Anonymous Indoor Navigation System on Handheld Mobile Devices for Visually Impaired. International Journal of Wireless Information Networks, 2012, 19, 352-367.	2.7	13
45	Rate Aware Instantly Decodable Network Codes. , 2015, , .		13
46	VANETs Meet Autonomous Vehicles: A Multimodal 3D Environment Learning Approach. , 2017, , .		13
47	Data Dissemination Using Instantly Decodable Binary Codes in Fog-Radio Access Networks. IEEE Transactions on Communications, 2018, 66, 2052-2064.	7.8	13
48	Throughput Maximization in Cloud-Radio Access Networks Using Cross-Layer Network Coding. IEEE Transactions on Mobile Computing, 2022, 21, 696-711.	5.8	13
49	Delay reduction in lossy intermittent feedback for generalized instantly decodable network coding. , 2013, , .		12
50	A Game-Theoretic Framework for Network Coding Based Device-to-Device Communications. IEEE Transactions on Mobile Computing, 2017, 16, 901-917.	5.8	12
51	On Using Dual Interfaces With Network Coding for Delivery Delay Reduction. IEEE Transactions on Wireless Communications, 2017, 16, 3981-3995.	9.2	12
52	Completion delay reduction in lossy feedback scenarios for instantly decodable network coding. , 2011, , .		11
53	O2-GIDNC: Beyond instantly decodable network coding. , 2013, , .		11
54	Conflict free network coding for distributed storage networks. , 2015, , .		11

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55	A network coded ARQ protocol for broadcast streaming over hybrid satellite systems. , 2009, , .		10
56	Multi-Client File Download Time Reduction from Cloud/Fog Storage Servers. IEEE Transactions on Mobile Computing, 2018, 17, 1924-1937.	5.8	10
57	Fog-Based Multi-Class Dispatching and Charging for Autonomous Electric Mobility On-Demand. IEEE Transactions on Intelligent Transportation Systems, 2020, 21, 762-776.	8.0	10
58	A Multi-Class Dispatching and Charging Scheme for Autonomous Electric Mobility On-Demand. , 2017, , .		9
59	Optimal Routing with In-Route Charging of Mobility-on-Demand Electric Vehicles. , 2017, , .		9
60	Rate aware network codes for coordinated multi base-station networks. , 2016, , .		8
61	Multi-Class Management With Sub-Class Service for Autonomous Electric Mobility On-Demand Systems. IEEE Transactions on Vehicular Technology, 2019, 68, 7155-7159.	6.3	8
62	Network coded information raining over high-speed rail through IEEE 802.16j. , 2009, , .		7
63	Joint Reduction of Peak-to-Average Power Ratio, Cubic Metric, and Block Error Rate in OFDM Systems Using Network Coding. IEEE Transactions on Vehicular Technology, 2011, 60, 4363-4373.	6.3	7
64	Reduced-effort generation of indoor radio maps using crowdsourcing and manifold alignment. , 2012, , .		7
65	Coding Opportunity Densification Strategies for Instantly Decodable Network Coding. IEEE Transactions on Communications, 2013, 61, 5077-5089.	7.8	7
66	A graph model for opportunistic network coding. , 2015, , .		7
67	Rate-Aware Network Codes for Video Distortion Reduction in Point-to-Multipoint Networks. IEEE Transactions on Vehicular Technology, 2017, 66, 7446-7460.	6.3	7
68	Multi-Objective Resource Optimization for Hierarchical Mobile Edge Computing. , 2018, , .		7
69	Effect of Feedback Loss on instantly decodable network coding. , 2011, , .		6
70	Dynamic Parameter Adaptation for M-LWDF/M-LWWF Scheduling. IEEE Transactions on Wireless Communications, 2012, 11, 927-937.	9.2	6
71	Role-Based Hierarchical Medical Data Encryption for Implantable Medical Devices. , 2019, , .		6
72	Severity-Based Prioritized Processing of Packets with Application in VANETs. IEEE Transactions on Mobile Computing, 2020, 19, 484-496.	5.8	6

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73	Joint control of delay and packet drop rate in satellite systems using network coding. , 2010, , .		5
74	Indoor localization using unsupervised manifold alignment with geometry perturbation. , 2014, , .		5
75	Network-Coded Content Delivery in Femtocaching-Assisted Cellular Networks. , 2014, , .		5
76	Throughput Maximization in Cloud Radio Access Networks Using Network Coding. , 2018, , .		5
77	Cross-Layer Cloud Offloading Using Fog Radio Access Networks and Network Coding. , 2018, , .		5
78	Optimal Transport for UAV D2D Distributed Learning: Example using Federated Learning. , 2021, , .		5
79	Online Cloud Offloading Using Heterogeneous Enhanced Remote Radio Heads. , 2017, , .		4
80	Collaborative Multi-Layer Network Coding in Hybrid Cellular Cognitive Radio Networks. , 2015, , .		3
81	Data dissemination using instantly decodable binary codes in fog-radio access networks. , 2017, , .		3
82	Stochastic geometry model for multi-channel fog radio access networks. , 2017, , .		3
83	On Offloading Fog Radio Access Networks Fronthaul Using Device Caching and Cooperation. , 2017, , .		3
84	Optimal Caching in Multicast 5G Networks with Opportunistic Spectrum Access. , 2017, , .		3
85	Optimal Vehicle Dimensioning for Multi-Class Autonomous Electric Mobility On-Demand Systems. , 2018, , .		3
86	Joint Delay and Cost Optimization for Electric On-Demand Vehicles with In-Route Charging. , 2018, , .		3
87	Energy-Aware Cross-Layer Offloading in Fog-RANs Using Network Coded Device Cooperation. IEEE Access, 2020, 8, 169930-169943.	4.2	3
88	Generalized Instantly Decodable Network Coding for relay-assisted networks. , 2013, , .		2
89	Optimal Local and In-Route Charging Management of Electric Mobility-on-Demand Systems. , 2018, , .		2
90	Cross-Layer Offloading in Fog-RANs Using Device Cooperation and Network Coding. , 2018, , .		2

#	ARTICLE	IF	CITATIONS
91	Flexible Design of Millimeter-Wave Cache Enabled Fog Networks. , 2018, , .		2
92	Tracking 3D LIDAR Point Clouds Using Extended Kalman Filters in KITTI Driving Sequences. , 2018, , .		2
93	Cloud Offloading with QoS Provisioning Using Cross-Layer Network Coding. , 2018, , .		2
94	Cellular Fronthaul Offloading Using Device Fogs, Caching, and Network Coding. IEEE Transactions on Mobile Computing, 2020, 19, 276-287.	5.8	1
95	Towards Real-Time Traffic Monitoring using Airborne LiDAR. , 2019, , .		0