

Sameh Sorour

List of Publications by Year in descending order

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2,763
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2743
citing authors

#	ARTICLE	IF	CITATIONS
1	Throughput Maximization in Cloud-Radio Access Networks Using Cross-Layer Network Coding. IEEE Transactions on Mobile Computing, 2022, 21, 696-711.	5.8	13
2	Optimal Transport for UAV D2D Distributed Learning: Example using Federated Learning. , 2021, , .		5
3	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
4	Severity-Based Prioritized Processing of Packets with Application in VANETs. IEEE Transactions on Mobile Computing, 2020, 19, 484-496.	5.8	6
5	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
6	Cellular Fronthaul Offloading Using Device Fogs, Caching, and Network Coding. IEEE Transactions on Mobile Computing, 2020, 19, 276-287.	5.8	1
7	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
8	Energy-Aware Cross-Layer Offloading in Fog-RANs Using Network Coded Device Cooperation. IEEE Access, 2020, 8, 169930-169943.	4.2	3
9	Cross-Layer Cloud Offloading With Quality of Service Guarantees in Fog-RANs. IEEE Transactions on Communications, 2019, 67, 8435-8449.	7.8	14
10	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
11	Opportunistic Network Coding-Assisted Cloud Offloading in Heterogeneous Fog Radio Access Networks. IEEE Access, 2019, 7, 56147-56162.	4.2	15
12	Adaptive Task Allocation for Mobile Edge Learning. , 2019, , .		26
13	Role-Based Hierarchical Medical Data Encryption for Implantable Medical Devices. , 2019, , .		6
14	Towards Real-Time Traffic Monitoring using Airborne LiDAR. , 2019, , .		0
15	Rate Aware Network Codes for Cloud Radio Access Networks. IEEE Transactions on Mobile Computing, 2019, 18, 1898-1910.	5.8	14
16	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
17	Multi-Client File Download Time Reduction from Cloud/Fog Storage Servers. IEEE Transactions on Mobile Computing, 2018, 17, 1924-1937.	5.8	10
18	Data Dissemination Using Instantly Decodable Binary Codes in Fog-Radio Access Networks. IEEE Transactions on Communications, 2018, 66, 2052-2064.	7.8	13

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19	Optimal Caching in 5G Networks With Opportunistic Spectrum Access. IEEE Transactions on Wireless Communications, 2018, 17, 4447-4461.	9.2	17
20	Network-Coded Macrocell Offloading in Femtocaching-Assisted Cellular Networks. IEEE Transactions on Vehicular Technology, 2018, 67, 2644-2659.	6.3	17
21	Optimal Local and In-Route Charging Management of Electric Mobility-on-Demand Systems. , 2018, , .		2
22	Multi-Objective Resource Optimization for Hierarchical Mobile Edge Computing. , 2018, , .		7
23	Cross-Layer Offloading in Fog-RANs Using Device Cooperation and Network Coding. , 2018, , .		2
24	Flexible Design of Millimeter-Wave Cache Enabled Fog Networks. , 2018, , .		2
25	Tracking 3D LIDAR Point Clouds Using Extended Kalman Filters in KITTI Driving Sequences. , 2018, , .		2
26	Cloud Offloading with QoS Provisioning Using Cross-Layer Network Coding. , 2018, , .		2
27	Optimal Vehicle Dimensioning for Multi-Class Autonomous Electric Mobility On-Demand Systems. , 2018, , .		3
28	Delay Reduction in Multi-Hop Device-to-Device Communication Using Network Coding. IEEE Transactions on Wireless Communications, 2018, 17, 7040-7053.	9.2	16
29	Vanets Meet Autonomous Vehicles: Multimodal Surrounding Recognition Using Manifold Alignment. IEEE Access, 2018, 6, 29026-29040.	4.2	20
30	Throughput Maximization in Cloud Radio Access Networks Using Network Coding. , 2018, , .		5
31	Cross-Layer Cloud Offloading Using Fog Radio Access Networks and Network Coding. , 2018, , .		5
32	Joint Delay and Cost Optimization for Electric On-Demand Vehicles with In-Route Charging. , 2018, , .		3
33	Deep Learning for IoT Big Data and Streaming Analytics: A Survey. IEEE Communications Surveys and Tutorials, 2018, 20, 2923-2960.	39.4	905
34	A Game-Theoretic Framework for Network Coding Based Device-to-Device Communications. IEEE Transactions on Mobile Computing, 2017, 16, 901-917.	5.8	12
35	Rate Aware Instantly Decodable Network Codes. IEEE Transactions on Wireless Communications, 2017, 16, 998-1011.	9.2	15
36	Velocity-Aware Handover Management in Two-Tier Cellular Networks. IEEE Transactions on Wireless Communications, 2017, 16, 1851-1867.	9.2	87

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37	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
38	Instantly Decodable Network Coding: From Centralized to Device-to-Device Communications. IEEE Communications Surveys and Tutorials, 2017, 19, 1201-1224.	39.4	43
39	On Using Dual Interfaces With Network Coding for Delivery Delay Reduction. IEEE Transactions on Wireless Communications, 2017, 16, 3981-3995.	9.2	12
40	Data dissemination using instantly decodable binary codes in fog-radio access networks. , 2017, , .		3
41	Mobility-Aware User Association in Uplink Cellular Networks. IEEE Communications Letters, 2017, 21, 2452-2455.	4.1	14
42	Stochastic geometry model for multi-channel fog radio access networks. , 2017, , .		3
43	Decoding-Delay-Controlled Completion Time Reduction in Instantly Decodable Network Coding. IEEE Transactions on Vehicular Technology, 2017, 66, 2756-2770.	6.3	20
44	Network Coding for Video Distortion Reduction in Device-to-Device Communications. IEEE Transactions on Vehicular Technology, 2017, 66, 4898-4913.	6.3	14
45	Online Cloud Offloading Using Heterogeneous Enhanced Remote Radio Heads. , 2017, , .		4
46	VANETs Meet Autonomous Vehicles: A Multimodal 3D Environment Learning Approach. , 2017, , .		13
47	On Offloading Fog Radio Access Networks Fronthaul Using Device Caching and Cooperation. , 2017, , .		3
48	Optimal Caching in Multicast 5G Networks with Opportunistic Spectrum Access. , 2017, , .		3
49	A Multi-Class Dispatching and Charging Scheme for Autonomous Electric Mobility On-Demand. , 2017, , .		9
50	Optimal Routing with In-Route Charging of Mobility-on-Demand Electric Vehicles. , 2017, , .		9
51	Cooperative Handover Management in Dense Cellular Networks. , 2016, , .		28
52	Handover Management in 5G and Beyond: A Topology Aware Skipping Approach. IEEE Access, 2016, 4, 9073-9081.	4.2	111
53	Rate aware network codes for coordinated multi base-station networks. , 2016, , .		8
54	Handover management in dense cellular networks: A stochastic geometry approach. , 2016, , .		55

#	ARTICLE	IF	CITATIONS
55	Instantly decodable network coding for real-time device-to-device communications. Eurasip Journal on Advances in Signal Processing, 2016, 2016, .	1.7	75
56	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
57	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
58	Network-Coded Content Delivery in Femtocaching-Assisted Cellular Networks. , 2015, , .		17
59	Conflict free network coding for distributed storage networks. , 2015, , .		11
60	Rate Aware Instantly Decodable Network Codes. , 2015, , .		13
61	Collaborative Multi-Layer Network Coding in Hybrid Cellular Cognitive Radio Networks. , 2015, , .		3
62	Joint Indoor Localization and Radio Map Construction with Limited Deployment Load. IEEE Transactions on Mobile Computing, 2015, 14, 1031-1043.	5.8	115
63	Completion Delay Minimization for Instantly Decodable Network Codes. IEEE/ACM Transactions on Networking, 2015, 23, 1553-1567.	3.8	93
64	Delay reduction in multi-hop device-to-device communication using network coding. , 2015, , .		17
65	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
66	A graph model for opportunistic network coding. , 2015, , .		7
67	Indoor localization using unsupervised manifold alignment with geometry perturbation. , 2014, , .		5
68	On Minimizing the Maximum Broadcast Decoding Delay for Instantly Decodable Network Coding. , 2014, , .		17
69	A game theoretic approach to minimize the completion time of network coded cooperative data exchange. , 2014, , .		14
70	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
71	Partially Blind Instantly Decodable Network Codes for Lossy Feedback Environment. IEEE Transactions on Wireless Communications, 2014, 13, 4871-4883.	9.2	31
72	A Lossy Graph Model for Delay Reduction in Generalized Instantly Decodable Network Coding. IEEE Wireless Communications Letters, 2014, 3, 281-284.	5.0	19

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73	Network-Coded Content Delivery in Femtocaching-Assisted Cellular Networks. , 2014, , .		5
74	Completion time reduction in instantly decodable network coding through decoding delay control. , 2014, , .		24
75	Delay reduction in lossy intermittent feedback for generalized instantly decodable network coding. , 2013, , .		12
76	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
77	Generalized Instantly Decodable Network Coding for relay-assisted networks. , 2013, , .		2
78	Delay Reduction in Persistent Erasure Channels for Generalized Instantly Decodable Network Coding. , 2013, , .		14
79	O2-GIDNC: Beyond instantly decodable network coding. , 2013, , .		11
80	Coding Opportunity Densification Strategies for Instantly Decodable Network Coding. IEEE Transactions on Communications, 2013, 61, 5077-5089.	7.8	7
81	Reduced-effort generation of indoor radio maps using crowdsourcing and manifold alignment. , 2012, , .		7
82	Anonymous Indoor Navigation System on Handheld Mobile Devices for Visually Impaired. International Journal of Wireless Information Networks, 2012, 19, 352-367.	2.7	13
83	On densifying coding opportunities in instantly decodable network coding graphs. , 2012, , .		18
84	RSS based indoor localization with limited deployment load. , 2012, , .		23
85	Dynamic Parameter Adaptation for M-LWDF/M-LWWF Scheduling. IEEE Transactions on Wireless Communications, 2012, 11, 927-937.	9.2	6
86	Effect of Feedback Loss on instantly decodable network coding. , 2011, , .		6
87	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
88	Completion Delay Minimization for Instantly Decodable Network Coding with Limited Feedback. , 2011, , .		33
89	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
90	Completion delay reduction in lossy feedback scenarios for instantly decodable network coding. , 2011, , .		11

#	ARTICLE	IF	CITATIONS
91	Minimum Broadcast Decoding Delay for Generalized Instantly Decodable Network Coding. , 2010, , .		82
92	Joint control of delay and packet drop rate in satellite systems using network coding. , 2010, , .		5
93	A network coded ARQ protocol for broadcast streaming over hybrid satellite systems. , 2009, , .		10
94	Adaptive network coded retransmission scheme for wireless multicast. , 2009, , .		21
95	Network coded information raining over high-speed rail through IEEE 802.16j. , 2009, , .		7