Ahmed Douik

List of Publications by Year
in descending order

50 papers	849 citations	623574 14 h-index	552653 26 g-index
51 all docs	51 docs citations	51 times ranked	621 citing authors

#	Article	IF	Citations
1	Cost-effective hybrid RF/FSO backhaul solution for next generation wireless systems. IEEE Wireless Communications, 2015, 22, 98-104.	6.6	103
2	Hybrid Radio/Free-Space Optical Design for Next Generation Backhaul Systems. IEEE Transactions on Communications, 2016, 64, 2563-2577.	4.9	75
3	Instantly decodable network coding for real-time device-to-device communications. Eurasip Journal on Advances in Signal Processing, 2016, 2016, .	1.0	75
4	Resource allocation in heterogeneous cloud radio access networks: advances and challenges. IEEE Wireless Communications, 2015, 22, 66-73.	6.6	68
5	Instantly Decodable Network Coding: From Centralized to Device-to-Device Communications. IEEE Communications Surveys and Tutorials, 2017, 19, 1201-1224.	24.8	43
6	Coordinated Scheduling and Power Control in Cloud-Radio Access Networks. IEEE Transactions on Wireless Communications, 2016, 15, 2523-2536.	6.1	38
7	Partially Blind Instantly Decodable Network Codes for Lossy Feedback Environment. IEEE Transactions on Wireless Communications, 2014, 13, 4871-4883.	6.1	31
8	Completion time reduction in instantly decodable network coding through decoding delay control. , 2014, , .		24
9	Decoding-Delay-Controlled Completion Time Reduction in Instantly Decodable Network Coding. IEEE Transactions on Vehicular Technology, 2017, 66, 2756-2770.	3.9	20
10	A Lossy Graph Model for Delay Reduction in Generalized Instantly Decodable Network Coding. IEEE Wireless Communications Letters, 2014, 3, 281-284.	3.2	19
11	Distributed Hybrid Scheduling in Multi-Cloud Networks Using Conflict Graphs. IEEE Transactions on Communications, 2018, 66, 209-224.	4.9	18
12	On Minimizing the Maximum Broadcast Decoding Delay for Instantly Decodable Network Coding. , 2014, , .		17
13	Delay reduction in multi-hop device-to-device communication using network coding. , 2015, , .		17
14	Coordinated scheduling for the downlink of cloud radio-access networks. , 2015, , .		16
15	Delay Reduction in Multi-Hop Device-to-Device Communication Using Network Coding. IEEE Transactions on Wireless Communications, 2018, 17, 7040-7053.	6.1	16
16	Manifold Optimization Over the Set of Doubly Stochastic Matrices: A Second-Order Geometry. IEEE Transactions on Signal Processing, 2019, 67, 5761-5774.	3.2	16
17	Rate Aware Instantly Decodable Network Codes. IEEE Transactions on Wireless Communications, 2017, 16, 998-1011.	6.1	15
18	A game theoretic approach to minimize the completion time of network coded cooperative data exchange. , 2014, , .		14

#	Article	IF	Citations
19	Delay Reduction for Instantly Decodable Network Coding in Persistent Channels With Feedback Imperfections. IEEE Transactions on Wireless Communications, 2015, 14, 5956-5970.	6.1	14
20	Rate Aware Network Codes for Cloud Radio Access Networks. IEEE Transactions on Mobile Computing, 2019, 18, 1898-1910.	3.9	14
21	Rate Aware Instantly Decodable Network Codes. , 2015, , .		13
22	Data Dissemination Using Instantly Decodable Binary Codes in Fog-Radio Access Networks. IEEE Transactions on Communications, 2018, 66, 2052-2064.	4.9	13
23	Throughput Maximization in Cloud-Radio Access Networks Using Cross-Layer Network Coding. IEEE Transactions on Mobile Computing, 2022, 21, 696-711.	3.9	13
24	Delay reduction in lossy intermittent feedback for generalized instantly decodable network coding. , 2013, , .		12
25	A Game-Theoretic Framework for Network Coding Based Device-to-Device Communications. IEEE Transactions on Mobile Computing, 2017, 16, 901-917.	3.9	12
26	On Using Dual Interfaces With Network Coding for Delivery Delay Reduction. IEEE Transactions on Wireless Communications, 2017, 16, 3981-3995.	6.1	12
27	Rate-aware network codes for completion time reduction in device-to-device communications. , 2016, , .		10
28	Cost-effective backhaul design using hybrid radio/free-space optical technology. , 2015, , .		9
29	Rate aware network codes for coordinated multi base-station networks. , 2016, , .		8
30	Delivery time reduction for order-constrained applications using binary network codes. , 2016, , .		8
31	A Tutorial on Clique Problems in Communications and Signal Processing. Proceedings of the IEEE, 2020, 108, 583-608.	16.4	8
32	Rate-Aware Network Codes for Video Distortion Reduction in Point-to-Multipoint Networks. IEEE Transactions on Vehicular Technology, 2017, 66, 7446-7460.	3.9	7
33	Precise 3-D GNSS Attitude Determination Based on Riemannian Manifold Optimization Algorithms. IEEE Transactions on Signal Processing, 2020, 68, 284-299.	3.2	7
34	Hybrid Scheduling/Signal-Level Coordination in the Downlink of Multi-Cloud Radio-Access Networks. , 2015, , .		6
35	Resilient backhaul network design using hybrid radio/free-space optical technology. , 2016, , .		6
36	Coalition Formation Game for Cooperative Content Delivery in Network Coding Assisted D2D Communications. IEEE Access, 2020, 8, 158152-158168.	2.6	6

#	Article	IF	Citations
37	Low-Complexity Scheduling for Delay Minimization in D2D Communications Using Network Coding. IEEE Communications Letters, 2021, 25, 2430-2434.	2.5	6
38	Low-Complexity Scheduling and Power Adaptation for Coordinated Cloud-Radio Access Networks. IEEE Communications Letters, 2017, 21, 2298-2301.	2.5	5
39	A Riemannian Approach for Graph-Based Clustering by Doubly Stochastic Matrices. , 2018, , .		5
40	Throughput Maximization in Cloud Radio Access Networks Using Network Coding. , 2018, , .		5
41	An Improved Weight Design for Unwanted Packets in Multicast Instantly Decodable Network Coding. IEEE Communications Letters, 2019, 23, 2122-2125.	2.5	5
42	Mode Selection and Power Allocation in Multi-Level Cache-Enabled Networks. IEEE Communications Letters, 2020, 24, 1789-1793.	2.5	5
43	Joint Scheduling and Beamforming via Cloud-Radio Access Networks Coordination. , 2018, , .		4
44	Manifold Optimization for High-Accuracy Spatial Location Estimation Using Ultrasound Waves. IEEE Transactions on Signal Processing, 2021, 69, 5078-5093.	3.2	4
45	Data dissemination using instantly decodable binary codes in fog-radio access networks. , 2017, , .		3
46	Low-Complexity Power Allocation for Network-Coded User Scheduling in Fog-RANs. IEEE Communications Letters, 2021, 25, 1318-1322.	2.5	3
47	An Improved Initialization for Low-Rank Matrix Completion Based on Rank-L Updates. , 2018, , .		1
48	Hybrid Scheduling/Signal-Level Coordination in the Downlink of Multi-Cloud Radio-Access Networks. , 2014, , .		0
49	A Novel Riemannian Optimization Approach and Algorithm for Solving the Phase Retrieval Problem. , 2019, , .		0
50	Non-Negative Matrix Factorization via Low-Rank Stochastic Manifold Optimization. , 2019, , .		0