Mohammad J Abdel-Rahman

List of Publications by Year
in descending order

40	540	933447 10	888059 17
papers	citations	h-index	g-index

41	41	41	607
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Joint Adaptation of Frequency Hopping and Transmission Rate for Anti-Jamming Wireless Systems. IEEE Transactions on Mobile Computing, 2016, 15, 2247-2259.	5.8	91
2	Game theoretic anti-jamming dynamic frequency hopping and rate adaptation in wireless systems. , 2014, , .		37
3	On Stochastic Controller Placement in Software-Defined Wireless Networks. , 2017, , .		37
4	Stochastic Guard-Band-Aware Channel Assignment With Bonding and Aggregation for DSA Networks. IEEE Transactions on Wireless Communications, 2015, 14, 3888-3898.	9.2	32
5	Game-theoretic quorum-based frequency hopping for anti-jamming rendezvous in DSA networks. , 2014, , .		25
6	Robust Controller Placement and Assignment in Software-Defined Cellular Networks. , 2017, , .		24
7	Optimal channel assignment with aggregation in multi-channel systems: A resilient approach to adjacent-channel interference. Ad Hoc Networks, 2014, 20, 64-76.	5.5	19
8	On the orchestration of robust virtual LTE-U networks from hybrid half/full-duplex Wi-Fi APs. , 2016, , .		18
9	Full-Duplex or Half-Duplex: A Bayesian Game for Wireless Networks with Heterogeneous Self-Interference Cancellation Capabilities. IEEE Transactions on Mobile Computing, 2018, 17, 1076-1089.	5.8	18
10	Indoor Millimeter-Wave Systems: Design and Performance Evaluation. Proceedings of the IEEE, 2020, 108, 923-944.	21.3	18
11	Stochastic resource allocation in opportunistic LTE-A networks with heterogeneous self-interference cancellation capabilities. , 2015, , .		15
12	Optimal Base Station Deployment with Downlink Rate Coverage Probability Constraint. IEEE Wireless Communications Letters, 2018, 7, 340-343.	5.0	15
13	Exploiting cognitive radios for reliable satellite communications. International Journal of Satellite Communications and Networking, 2015, 33, 197-216.	1.8	13
14	The wireless control plane: An overview and directions for future research. Journal of Network and Computer Applications, 2019, 126, 104-122.	9.1	13
15	Joint access point deployment and assignment in mmWave networks with stochastic user orientation. , 2017, , .		12
16	Adaptive channel bonding in wireless LANs under demand uncertainty. , 2017, , .		12
17	Joint Base Station Selection and Adaptive Slicing in Virtualized Wireless Networks: A Stochastic Optimization Framework. , 2019, , .		12
18	Fast and secure rendezvous protocols for mitigating control channel DoS attacks. , 2013, , .		11

#	Article	IF	Citations
19	Spectrum-efficient stochastic channel assignment for opportunistic networks. , 2013, , .		11
20	Multicast Rendezvous in Fast-Varying DSA Networks. IEEE Transactions on Mobile Computing, 2015, 14, 1449-1462.	5.8	11
21	Optimal distributed allocation of almost blank subframes for LTE/WiFi coexistence. , 2017, , .		11
22	Market-Driven Stochastic Resource Allocation Framework for Wireless Network Virtualization. IEEE Systems Journal, 2020, 14, 489-499.	4.6	11
23	Dimensioning virtualized wireless access networks from a common pool of resources. , 2016, , .		9
24	Virtualization and Programmability in Mobile Wireless Networks. , 2017, , .		8
25	An efficient quorum-based rendezvous scheme for multi-radio cognitive radio networks. , 2016, , .		7
26	Spectrum-Efficient Resource Allocation Framework for Cooperative Opportunistic Wireless Networks. IEEE Transactions on Cognitive Communications and Networking, 2016, 2, 249-262.	7.9	6
27	Efficient rendezvous schemes for fastâ€varying cognitive radio ad hoc networks. Transactions on Emerging Telecommunications Technologies, 2017, 28, e3217.	3.9	6
28	A Stochastic Optimization Framework for Channel Bonding in Wireless LANs Under Demand Uncertainty. IEEE Transactions on Wireless Communications, 2020, 19, 7528-7542.	9.2	6
29	Adaptive cross-layer protocol design for opportunistic WLANs over TVWS. , 2014, , .		5
30	Virtualization Framework for Cellular Networks with Downlink Rate Coverage Probability Constraints. , 2018, , .		5
31	CORE: A combinatorial game-theoretic framework for coexistence rendezvous in DSA networks. , 2015, , .		3
32	DBmmWave: Chance-Constrained Joint AP Deployment and Beam Steering in mmWave Networks With Coverage Probability Constraints. IEEE Networking Letters, 2019, 1, 151-155.	1.9	3
33	Robust Access Point Deployment and Adaptive User Assignment for Indoor Millimeter Wave Networks. , 2020, , .		3
34	A Joint Optimization Framework for Network Deployment and Adaptive User Assignment in Indoor Millimeter Wave Networks. IEEE Transactions on Wireless Communications, 2021, 20, 7538-7554.	9.2	3
35	Receiver characteristic aware optimal resource allocation in multi-RAT wireless networks. , 2017, , .		2
36	On Optimal Resource Allocation in Multi-RAT Wireless Networks With Receiver Characteristic Awareness. IEEE Transactions on Cognitive Communications and Networking, 2019, 5, 103-118.	7.9	2

#	Article	IF	Citations
37	On Optimal Orchestration of Virtualized Cellular Networks With Downlink Rate Coverage Probability Constraints. IEEE Transactions on Wireless Communications, 2020, 19, 4378-4393.	9.2	2
38	On Optimal Orchestration of Virtualized Cellular Networks With Statistical Multiplexing. IEEE Transactions on Wireless Communications, 2022, 21, 310-325.	9.2	2
39	Coexistence in wireless networks with heterogeneous self-interference cancellation capabilities. , 2016, , .		1
40	QoS-Aware Parallel Sensing/Probing Architecture and Adaptive Cross-Layer Protocol Design for Opportunistic Networks. IEEE Transactions on Vehicular Technology, 2016, 65, 2231-2242.	6.3	1