Ekram Hossain

List of Publications by Year
in descending order

260 papers	18,768 citations	13865 67 h-index	15732 125 g-index
267 all docs	267 docs citations	267 times ranked	11691 citing authors

#	Article	IF	Citations
1	Enabling Localized Peer-to-Peer Electricity Trading Among Plug-in Hybrid Electric Vehicles Using Consortium Blockchains. IEEE Transactions on Industrial Informatics, 2017, 13, 3154-3164.	11.3	865
2	Stochastic Geometry for Modeling, Analysis, and Design of Multi-Tier and Cognitive Cellular Wireless Networks: A Survey. IEEE Communications Surveys and Tutorials, 2013, 15, 996-1019.	39.4	806
3	Evolution toward 5G multi-tier cellular wireless networks: An interference management perspective. IEEE Wireless Communications, 2014, 21, 118-127.	9.0	507
4	Dynamic User Clustering and Power Allocation for Uplink and Downlink Non-Orthogonal Multiple Access (NOMA) Systems. IEEE Access, 2016, , 1-1.	4.2	493
5	Random access for machine-to-machine communication in LTE-advanced networks: issues and approaches. , 2013, 51, 86-93.		486
6	Dynamics of Network Selection in Heterogeneous Wireless Networks: An Evolutionary Game Approach. IEEE Transactions on Vehicular Technology, 2009, 58, 2008-2017.	6.3	437
7	Machine Learning in IoT Security: Current Solutions and Future Challenges. IEEE Communications Surveys and Tutorials, 2020, 22, 1686-1721.	39.4	409
8	Resource allocation for spectrum underlay in cognitive radio networks. IEEE Transactions on Wireless Communications, 2008, 7, 5306-5315.	9.2	387
9	Resource allocation for device-to-device communications underlaying LTE-advanced networks. IEEE Wireless Communications, 2013, 20, 91-100.	9.0	342
10	Interference management in OFDMA femtocell networks: issues and approaches. IEEE Wireless Communications, 2012, 19, 86-95.	9.0	338
11	Machine Learning Techniques for Cooperative Spectrum Sensing in Cognitive Radio Networks. IEEE Journal on Selected Areas in Communications, 2013, 31, 2209-2221.	14.0	331
12	Dynamics of Multiple-Seller and Multiple-Buyer Spectrum Trading in Cognitive Radio Networks: A Game-Theoretic Modeling Approach. IEEE Transactions on Mobile Computing, 2009, 8, 1009-1022.	5.8	321
13	Game-theoretic resource allocation methods for device-to-device communication. IEEE Wireless Communications, 2014, 21, 136-144.	9.0	311
14	Federated Learning for Internet of Things: Recent Advances, Taxonomy, and Open Challenges. IEEE Communications Surveys and Tutorials, 2021, 23, 1759-1799.	39.4	290
15	Analytical Modeling of Mode Selection and Power Control for Underlay D2D Communication in Cellular Networks. IEEE Transactions on Communications, 2014, 62, 4147-4161.	7.8	288
16	Competitive spectrum sharing in cognitive radio networks: a dynamic game approach. IEEE Transactions on Wireless Communications, 2008, 7, 2651-2660.	9.2	283
17	Cognitive and Energy Harvesting-Based D2D Communication in Cellular Networks: Stochastic Geometry Modeling and Analysis. IEEE Transactions on Communications, 2015, 63, 1867-1880.	7.8	281
18	Multi-Tier Drone Architecture for 5G/B5G Cellular Networks: Challenges, Trends, and Prospects. IEEE Communications Magazine, 2018, 56, 96-103.	6.1	280

#	Article	IF	Citations
19	Non-Orthogonal Multiple Access (NOMA) for Downlink Multiuser MIMO Systems: User Clustering, Beamforming, and Power Allocation. IEEE Access, 2017, 5, 565-577.	4.2	263
20	Joint rate and power allocation for cognitive radios in dynamic spectrum access environment. IEEE Transactions on Wireless Communications, 2008, 7, 5517-5527.	9.2	231
21	Applications, Architectures, and Protocol Design Issues for Mobile Social Networks: A Survey. Proceedings of the IEEE, 2011, 99, 2130-2158.	21.3	225
22	On Stochastic Geometry Modeling of Cellular Uplink Transmission With Truncated Channel Inversion Power Control. IEEE Transactions on Wireless Communications, 2014, 13, 4454-4469.	9.2	212
23	Game Theoretic Approaches for Multiple Access in Wireless Networks: A Survey. IEEE Communications Surveys and Tutorials, 2011, 13, 372-395.	39.4	200
24	Energy Efficiency in Massive MIMO-Based 5G Networks: Opportunities and Challenges. IEEE Wireless Communications, 2017, 24, 86-94.	9.0	197
25	Sleep and Wakeup Strategies in Solar-Powered Wireless Sensor/Mesh Networks: Performance Analysis and Optimization. IEEE Transactions on Mobile Computing, 2007, 6, 221-236.	5.8	191
26	Machine Learning for Resource Management in Cellular and IoT Networks: Potentials, Current Solutions, and Open Challenges. IEEE Communications Surveys and Tutorials, 2020, 22, 1251-1275.	39.4	191
27	Fractional frequency reuse for interference management in LTE-advanced hetnets. IEEE Wireless Communications, 2013, 20, 113-122.	9.0	185
28	A Framework for Cooperative Resource Management in Mobile Cloud Computing. IEEE Journal on Selected Areas in Communications, 2013, 31, 2685-2700.	14.0	168
29	Evolution of NOMA Toward Next Generation Multiple Access (NGMA) for 6G. IEEE Journal on Selected Areas in Communications, 2022, 40, 1037-1071.	14.0	168
30	A Noncooperative Game-Theoretic Framework for Radio Resource Management in 4G Heterogeneous Wireless Access Networks. IEEE Transactions on Mobile Computing, 2008, 7, 332-345.	5.8	160
31	A Game-Theoretic Approach to Competitive Spectrum Sharing in Cognitive Radio Networks. , 2007, , .		159
32	Market-Equilibrium, Competitive, and Cooperative Pricing for Spectrum Sharing in Cognitive Radio Networks: Analysis and Comparison. IEEE Transactions on Wireless Communications, 2008, 7, 4273-4283.	9.2	156
33	Virtualization of 5G Cellular Networks as a Hierarchical Combinatorial Auction. IEEE Transactions on Mobile Computing, 2016, 15, 2640-2654.	5.8	155
34	Channel assignment schemes for infrastructure-based 802.11 WLANs: A survey. IEEE Communications Surveys and Tutorials, 2010, 12, 124-136.	39.4	153
35	Joint Downlink Cell Association and Bandwidth Allocation for Wireless Backhauling in Two-Tier HetNets With Large-Scale Antenna Arrays. IEEE Transactions on Wireless Communications, 2016, 15, 3251-3268.	9.2	152
36	Clustering and Resource Allocation for Dense Femtocells in a Two-Tier Cellular OFDMA Network. IEEE Transactions on Wireless Communications, 2014, 13, 1628-1641.	9.2	150

#	Article	IF	Citations
37	Downlink Power Allocation for CoMP-NOMA in Multi-Cell Networks. IEEE Transactions on Communications, 2018, 66, 3982-3998.	7.8	148
38	Modeling and Analysis of Uplink Non-Orthogonal Multiple Access (NOMA) in Large-Scale Cellular Networks Using Poisson Cluster Processes. IEEE Transactions on Communications, 2017, , 1-1.	7.8	145
39	Collaborative Spectrum Sensing from Sparse Observations in Cognitive Radio Networks. IEEE Journal on Selected Areas in Communications, 2011, 29, 327-337.	14.0	138
40	Coalition Formation Games for Distributed Cooperation Among Roadside Units in Vehicular Networks. IEEE Journal on Selected Areas in Communications, 2011, 29, 48-60.	14.0	137
41	HetNets with cognitive small cells: user offloading and distributed channel access techniques. , 2013, 51, 28-36.		135
42	Single and Multi-Agent Deep Reinforcement Learning for AI-Enabled Wireless Networks: A Tutorial. IEEE Communications Surveys and Tutorials, 2021, 23, 1226-1252.	39.4	133
43	Resource Allocation Under Channel Uncertainties for Relay-Aided Device-to-Device Communication Underlaying LTE-A Cellular Networks. IEEE Transactions on Wireless Communications, 2014, 13, 2322-2338.	9.2	131
44	Energy-efficient power allocation in OFDM-based cognitive radio systems: A risk-return model. IEEE Transactions on Wireless Communications, 2009, 8, 6078-6088.	9.2	125
45	Charging and Discharging of Plug-In Electric Vehicles (PEVs) in Vehicle-to-Grid (V2G) Systems: A Cyber Insurance-Based Model. IEEE Access, 2017, 5, 732-754.	4.2	122
46	An Evolutionary Game for Distributed Resource Allocation in Self-Organizing Small Cells. IEEE Transactions on Mobile Computing, 2015, 14, 274-287.	5.8	119
47	Remote patient monitoring service using heterogeneous wireless access networks: architecture and optimization. IEEE Journal on Selected Areas in Communications, 2009, 27, 412-423.	14.0	116
48	Optimization of Wireless Relaying With Flexible UAV-Borne Reflecting Surfaces. IEEE Transactions on Communications, 2021, 69, 309-325.	7.8	114
49	Pricing, Spectrum Sharing, and Service Selection in Two-Tier Small Cell Networks: A Hierarchical Dynamic Game Approach. IEEE Transactions on Mobile Computing, 2014, 13, 1843-1856.	5.8	111
50	Smart grid sensor data collection, communication, and networking: a tutorial. Wireless Communications and Mobile Computing, 2014, 14, 1055-1087.	1.2	109
51	A Cooperative Game Framework for Bandwidth Allocation in 4G Heterogeneous Wireless Networks. , 2006, , .		103
52	Medium access control design for full duplex wireless systems: challenges and approaches. , 2015, 53, 112-120.		103
53	Distributed Interference and Energy-Aware Power Control for Ultra-Dense D2D Networks: A Mean Field Game. IEEE Transactions on Wireless Communications, 2017, 16, 1205-1217.	9.2	102
54	Optimal Channel Access Management with QoS Support for Cognitive Vehicular Networks. IEEE Transactions on Mobile Computing, 2011, 10, 573-591.	5.8	96

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55	Hierarchical Competition for Downlink Power Allocation in OFDMA Femtocell Networks. IEEE Transactions on Wireless Communications, 2013, 12, 1543-1553.	9.2	93
56	Analysis of <inline-formula> <tex-math notation="LaTeX">K</tex-math></inline-formula>-Tier Uplink Cellular Networks With Ambient RF Energy Harvesting. IEEE Journal on Selected Areas in Communications, 2015, 33, 2226-2238.	14.0	92
57	Multi-armed bandits with application to 5G small cells. IEEE Wireless Communications, 2016, 23, 64-73.	9.0	86
58	Pricing for Uplink Power Control in Cognitive Radio Networks. IEEE Transactions on Vehicular Technology, 2010, 59, 1769-1778.	6.3	84
59	Location-Aware Cross-Tier Coordinated Multipoint Transmission in Two-Tier Cellular Networks. IEEE Transactions on Wireless Communications, 2014, 13, 6311-6325.	9.2	84
60	Modeling and Analysis of Energy Harvesting and Smart Grid-Powered Wireless Communication Networks: A Contemporary Survey. IEEE Transactions on Green Communications and Networking, 2020, 4, 461-496.	5.5	83
61	Cross-layer optimization frameworks for multihop wireless networks using cooperative diversity. IEEE Transactions on Wireless Communications, 2008, 7, 2592-2602.	9.2	81
62	Distributed Resource Allocation for Relay-Aided Device-to-Device Communication: A Message Passing Approach. IEEE Transactions on Wireless Communications, 2014, 13, 6326-6341.	9.2	81
63	Downlink Power Control in Two-Tier Cellular OFDMA Networks Under Uncertainties: A Robust Stackelberg Game. IEEE Transactions on Communications, 2015, 63, 520-535.	7.8	81
64	Tier-Aware Resource Allocation in OFDMA Macrocell-Small Cell Networks. IEEE Transactions on Communications, 2015, 63, 695-710.	7.8	78
65	Competitive Pricing in Heterogeneous Wireless Access Networks: Issues and Approaches. IEEE Network, 2008, 22, 4-11.	6.9	76
66	Coordinated Multipoint Transmission in Downlink Multi-Cell NOMA Systems: Models and Spectral Efficiency Performance. IEEE Wireless Communications, 2018, 25, 24-31.	9.0	76
67	Fundamentals of Mobility-Aware Performance Characterization of Cellular Networks: A Tutorial. IEEE Communications Surveys and Tutorials, 2019, 21, 2288-2308.	39.4	76
68	A Modified Hard Core Point Process for Analysis of Random CSMA Wireless Networks in General Fading Environments. IEEE Transactions on Communications, 2013, 61, 1520-1534.	7.8	75
69	The D-OMA Method for Massive Multiple Access in 6G: Performance, Security, and Challenges. IEEE Vehicular Technology Magazine, 2019, 14, 92-99.	3.4	75
70	A MAC Protocol for Opportunistic Spectrum Access in Cognitive Radio Networks. , 2008, , .		74
71	Joint Mode Selection and Spectrum Partitioning for Device-to-Device Communication: A Dynamic Stackelberg Game. IEEE Transactions on Wireless Communications, 2015, 14, 1406-1420.	9.2	74
72	Intelligent Reflecting Surface Enabled Covert Communications in Wireless Networks. IEEE Network, 2020, 34, 148-155.	6.9	72

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73	Distributed Resource Allocation for Relay-Aided Device-to-Device Communication Under Channel Uncertainties: A Stable Matching Approach. IEEE Transactions on Communications, 2015, 63, 3882-3897.	7.8	70
74	Uplink Vs. Downlink NOMA in Cellular Networks: Challenges and Research Directions. , 2017, , .		66
75	Resource Allocation and Service Provisioning in Multi-Agent Cloud Robotics: A Comprehensive Survey. IEEE Communications Surveys and Tutorials, 2021, 23, 842-870.	39.4	66
76	Opportunistic Access to Spectrum Holes Between Packet Bursts: A Learning-Based Approach. IEEE Transactions on Wireless Communications, 2011, 10, 2497-2509.	9.2	65
77	Auction Mechanisms for Virtualization in 5G Cellular Networks: Basics, Trends, and Open Challenges. IEEE Communications Surveys and Tutorials, 2018, 20, 2264-2293.	39.4	64
78	A game theoretic analysis of service competition and pricing in heterogeneous wireless access networks. IEEE Transactions on Wireless Communications, 2008, 7, 5150-5155.	9.2	63
79	Downlink spectrum allocation for in-band and out-band wireless backhauling of full-duplex small cells. IEEE Transactions on Communications, 2017, 65, 3538-3554.	7.8	62
80	Computation Offloading and Activation of Mobile Edge Computing Servers: A Minority Game. IEEE Wireless Communications Letters, 2018, 7, 688-691.	5.0	62
81	Green Internet of Vehicles (IoV) in the 6G Era: Toward Sustainable Vehicular Communications and Networking. IEEE Transactions on Green Communications and Networking, 2022, 6, 391-423.	5.5	61
82	Distributed resource allocation in wireless networks under uncertainty and application of Bayesian game. , 2011, 49, 120-127.		59
83	Auction-based resource allocation in cognitive radio systems. , 2012, 50, 108-120.		59
84	Secure Robust Ergodic Uplink Resource Allocation in Relay-Assisted Cognitive Radio Networks. IEEE Transactions on Signal Processing, 2015, 63, 291-304.	5.3	58
85	Coverage and Rate Analysis for Co-Existing RF/VLC Downlink Cellular Networks. IEEE Transactions on Wireless Communications, 2018, 17, 2588-2601.	9.2	58
86	Machine Learning Methods for RSS-Based User Positioning in Distributed Massive MIMO. IEEE Transactions on Wireless Communications, 2018, 17, 8402-8417.	9.2	58
87	Multiple Access in Cell-Free Networks: Outage Performance, Dynamic Clustering, and Deep Reinforcement Learning-Based Design. IEEE Journal on Selected Areas in Communications, 2021, 39, 1028-1042.	14.0	58
88	Delay Statistics and Throughput Performance for Multi-rate Wireless Networks Under Multiuser Diversity. IEEE Transactions on Wireless Communications, 2006, 5, 3234-3243.	9.2	57
89	Downlink Power Control in Self-Organizing Dense Small Cells Underlaying Macrocells: A Mean Field Game. IEEE Transactions on Mobile Computing, 2016, 15, 350-363.	5.8	57
90	Meta Distribution of SIR in Large-Scale Uplink and Downlink NOMA Networks. IEEE Transactions on Communications, 2019, 67, 3009-3025.	7.8	57

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91	Game theoretic modeling of cooperation among service providers in mobile cloud computing environments. , 2012, , .		54
92	Optimizations of Power Consumption and Supply in the Smart Grid: Analysis of the Impact of Data Communication Reliability. IEEE Transactions on Smart Grid, 2013, 4, 21-35.	9.0	54
93	Distributed and Centralized Hybrid CSMA/CA-TDMA Schemes for Single-Hop Wireless Networks. IEEE Transactions on Wireless Communications, 2014, 13, 4050-4065.	9.2	54
94	Distributed Machine Learning for Wireless Communication Networks: Techniques, Architectures, and Applications. IEEE Communications Surveys and Tutorials, 2021, 23, 1458-1493.	39.4	53
95	Opportunistic Spectrum Access in Cognitive Radio Networks: A Queueing Analytic Model and Admission Controller Design. , 2007, , .		51
96	On feasibility of 5G-grade dedicated RF charging technology for wireless-powered wearables. IEEE Wireless Communications, 2016, 23, 28-37.	9.0	51
97	Cooperative Spectrum Sensing Under a Random Geometric Primary User Network Model. IEEE Transactions on Wireless Communications, 2011, 10, 1932-1944.	9.2	50
98	Coalition-Based Cooperative Packet Delivery under Uncertainty: A Dynamic Bayesian Coalitional Game. IEEE Transactions on Mobile Computing, 2013, 12, 371-385.	5.8	50
99	Distributed resource allocation in D2D-enabled multi-tier cellular networks: An auction approach. , 2015, , .		50
100	Decoupled Uplink-Downlink User Association in Multi-Tier Full-Duplex Cellular Networks: A Two-Sided Matching Game. IEEE Transactions on Mobile Computing, 2017, 16, 2778-2791.	5.8	50
101	Impact of packet loss on power demand estimation and power supply cost in smart grid. , 2011, , .		45
102	Massive Unsourced Random Access Based on Uncoupled Compressive Sensing: Another Blessing of Massive MIMO. IEEE Journal on Selected Areas in Communications, 2021, 39, 820-834.	14.0	45
103	Controlled Channel Access Scheduling for Guaranteed QoS in 802.11e-Based WLANs. IEEE Transactions on Wireless Communications, 2008, 7, 1287-1297.	9.2	44
104	Adaptive radio resource allocation in OFDMA systems: a survey of the state-of-the-art approaches. Wireless Communications and Mobile Computing, 2009, 9, 513-527.	1.2	44
105	Downlink Subchannel and Power Allocation in Multi-Cell OFDMA Cognitive Radio Networks. IEEE Transactions on Wireless Communications, 2011, 10, 2259-2271.	9.2	44
106	Channel Assignment for Throughput Optimization in Multichannel Multiradio Wireless Mesh Networks Using Network Coding. IEEE Transactions on Mobile Computing, 2013, 12, 118-135.	5.8	43
107	Queueing Analysis for GBN and SR ARQ Protocols under Dynamic Radio Link Adaptation with Non-Zero Feedback Delay. IEEE Transactions on Wireless Communications, 2007, 6, 3418-3428.	9.2	42
108	An analytical model for ARQ cooperative diversity in multi-hop wireless networks. IEEE Transactions on Wireless Communications, 2008, 7, 1786-1791.	9.2	42

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109	Statistical Performance Modeling of Solar and Wind-Powered UAV Communications. IEEE Transactions on Mobile Computing, 2021, 20, 2686-2700.	5.8	42
110	Tandem Queue Models with Applications to QoS Routing in Multihop Wireless Networks. IEEE Transactions on Mobile Computing, 2008, 7, 1025-1040.	5.8	41
111	A Microeconomic Model for Hierarchical Bandwidth Sharing in Dynamic Spectrum Access Networks. IEEE Transactions on Computers, 2010, 59, 865-877.	3.4	41
112	Security and Privacy Threats for Bluetooth Low Energy in IoT and Wearable Devices: A Comprehensive Survey. IEEE Open Journal of the Communications Society, 2022, 3, 251-281.	6.9	40
113	Robust Ergodic Uplink Resource Allocation in Underlay OFDMA Cognitive Radio Networks. IEEE Transactions on Mobile Computing, 2016, 15, 419-431.	5.8	39
114	Adaptive Fair Subcarrier/Rate Allocation in Multirate OFDMA Networks: Radio Link Level Queuing Performance Analysis. IEEE Transactions on Vehicular Technology, 2006, 55, 1897-1907.	6.3	38
115	Relay-Assisted Device-to-Device Communication: A Stochastic Analysis of Energy Saving. IEEE Transactions on Mobile Computing, 2016, 15, 3129-3141.	5.8	38
116	Resource Allocation for an OFDMA Cloud-RAN of Small Cells Underlaying a Macrocell. IEEE Transactions on Mobile Computing, 2016, 15, 2837-2850.	5.8	38
117	On Downlink Resource Allocation for SWIPT in Small Cells in a Two-Tier HetNet. IEEE Transactions on Wireless Communications, 2016, 15, 7709-7724.	9.2	37
118	Hybrid Automatic Repeat Request (HARQ) in Wireless Communications Systems and Standards: A Contemporary Survey. IEEE Communications Surveys and Tutorials, 2021, 23, 2711-2752.	39.4	37
119	Relay-centric radio resource management and network planning in IEEE 802.16j mobile multihop relay networks. IEEE Transactions on Wireless Communications, 2009, 8, 6115-6125.	9.2	36
120	Cooperative Packet Delivery in Hybrid Wireless Mobile Networks: A Coalitional Game Approach. IEEE Transactions on Mobile Computing, 2013, 12, 840-854.	5.8	36
121	On Joint Power and Admission Control in Underlay Cellular Cognitive Radio Networks. IEEE Transactions on Wireless Communications, 2015, 14, 265-278.	9.2	35
122	A Blockchain Policy and Charging Control Framework for Roaming in Cellular Networks. IEEE Network, 2020, 34, 170-177.	6.9	34
123	Wireless Access in Vehicular Environments Using BitTorrent and Bargaining. , 2008, , .		33
124	Pattern classification techniques for cooperative spectrum sensing in cognitive radio networks: SVM and W-KNN approaches. , 2012, , .		32
125	Accuracy of Distance-Based Ranking of Users in the Analysis of NOMA Systems. IEEE Transactions on Communications, 2019, 67, 5069-5083.	7.8	32
126	Federated Learning in Unreliable and Resource-Constrained Cellular Wireless Networks. IEEE Transactions on Communications, 2021, 69, 5136-5151.	7.8	32

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127	Stochastic Geometry Analysis of Spatial-Temporal Performance in Wireless Networks: A Tutorial. IEEE Communications Surveys and Tutorials, 2021, 23, 2753-2801.	39.4	31
128	Distributed Uplink Power Control for Multi-Cell Cognitive Radio Networks. IEEE Transactions on Communications, 2015, 63, 628-642.	7.8	30
129	Distributed User Association in Energy Harvesting Dense Small Cell Networks: A Mean-Field Multi-Armed Bandit Approach. IEEE Access, 2017, 5, 3513-3523.	4.2	30
130	Generalized Coordinated Multipoint (GCoMP)-Enabled NOMA: Outage, Capacity, and Power Allocation. IEEE Transactions on Communications, 2019, 67, 7923-7936.	7.8	30
131	QoS-Aware Spectrum Sharing in Cognitive Wireless Networks. , 2007, , .		29
132	End-to-End Energy-Efficiency and Reliability of UAV-Assisted Wireless Data Ferrying. IEEE Transactions on Communications, 2020, 68, 1822-1837.	7.8	29
133	Minority Games With Applications to Distributed Decision Making and Control in Wireless Networks. IEEE Wireless Communications, 2017, 24, 184-192.	9.0	28
134	WLC04-5: Bandwidth Allocation in 4G Heterogeneous Wireless Access Networks: A Noncooperative Game Theoretical Approach. IEEE Global Telecommunications Conference (GLOBECOM), 2006, , .	0.0	27
135	Optimal Price Competition for Spectrum Sharing in Cognitive Radio: A Dynamic Game-Theoretic Approach. , 2007, , .		27
136	Distributed User Association in Energy Harvesting Small Cell Networks: A Probabilistic Bandit Model. IEEE Transactions on Wireless Communications, 2017, 16, 1549-1563.	9.2	26
137	IoT Connectivity in Radar Bands: A Shared Access Model Based on Spectrum Measurements. , 2017, 55, 88-96.		26
138	Ambient Backscatter-Assisted Wireless-Powered Relaying. IEEE Transactions on Green Communications and Networking, 2019, 3, 1087-1105.	5.5	26
139	Computation Offloading in Heterogeneous Vehicular Edge Networks: On-Line and Off-Policy Bandit Solutions. IEEE Transactions on Mobile Computing, 2022, 21, 4233-4248.	5.8	25
140	A Novel Analytical Framework for Integrated Cross-Layer Study of Call-Level and Packet-Level QoS in Wireless Mobile Multimedia Networks. IEEE Transactions on Mobile Computing, 2007, 6, 322-335.	5.8	24
141	A Unified Framework for Optimal Wireless Access for Data Streaming Over Vehicle-to-Roadside Communications. IEEE Transactions on Vehicular Technology, 2010, 59, 3025-3035.	6.3	23
142	Infrastructure Sharing for Mobile Network Operators: Analysis of Trade-Offs and Market. IEEE Transactions on Mobile Computing, 2018, 17, 2804-2817.	5.8	23
143	Joint Active and Passive Beamforming Design for IRS-Assisted Multi-User MIMO Systems: A VAMP-Based Approach. IEEE Transactions on Communications, 2021, 69, 6734-6749.	7.8	23
144	Resource allocation for network-integrated device-to-device communications using smart relays. , 2013, , .		22

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145	Channel-Access-Aware User Association With Interference Coordination in Two-Tier Downlink Cellular Networks. IEEE Transactions on Vehicular Technology, 2016, 65, 5579-5594.	6.3	22
146	Performance Modeling and Analysis of a Class of ARQ Protocols in Multi-Hop Wireless Networks. IEEE Transactions on Wireless Communications, 2006, 5, 3460-3468.	9.2	21
147	A Dynamic Time Slot Allocation Scheme for Hybrid CSMA/TDMA MAC Protocol. IEEE Wireless Communications Letters, 2013, 2, 535-538.	5.0	21
148	Hierarchical Spectrum Sharing in Cognitive Radio: A Microeconomic Approach. , 2007, , .		20
149	Distributed Interference Management in Femtocell Networks. , 2011, , .		20
150	On Characterization of Feasible Interference Regions in Cognitive Radio Networks. IEEE Transactions on Communications, 2016, 64, 511-524.	7.8	20
151	Delay-Optimal Distributed Scheduling in Multi-User Multi-Relay Cellular Wireless Networks. IEEE Transactions on Communications, 2013, 61, 1349-1360.	7.8	19
152	Joint Resource Allocation and Dynamic Activation of Energy Harvesting Small Cells in OFDMA HetNets. IEEE Transactions on Wireless Communications, 2018, 17, 1768-1783.	9.2	19
153	Antenna Clustering for Simultaneous Wireless Information and Power Transfer in a MIMO Full-Duplex System: A Deep Reinforcement Learning-Based Design. IEEE Transactions on Communications, 2021, 69, 2331-2345.	7.8	19
154	Stochastic Geometry Analysis of IRS-Assisted Downlink Cellular Networks. IEEE Transactions on Communications, 2022, 70, 1442-1456.	7.8	19
155	Distributed and Energy-Aware MAC for Differentiated Services Wireless Packet Networks: A General Queuing Analytical Framework. IEEE Transactions on Mobile Computing, 2007, 6, 381-394.	5.8	18
156	Modeling User Churning Behavior in Wireless Networks Using Evolutionary Game Theory. , 2008, , .		18
157	Power Allocation for Cognitive Radios Based on Primary User Activity in an OFDM System. , 2008, , .		18
158	Spectrum-Efficient Multi-Channel Design for Coexisting IEEE 802.15.4 Networks: A Stochastic Geometry Approach. IEEE Transactions on Mobile Computing, 2014, 13, 1611-1624.	5.8	18
159	On User Association in Multi-Tier Full-Duplex Cellular Networks. IEEE Transactions on Communications, 2017, 65, 4080-4095.	7.8	18
160	Self-Sustainability of Energy Harvesting Systems: Concept, Analysis, and Design. IEEE Transactions on Green Communications and Networking, 2018, 2, 175-192.	5.5	18
161	A Dynamic Programming Approach for QoS-Aware Power Management in Wireless Video Sensor Networks. IEEE Transactions on Vehicular Technology, 2009, 58, 843-854.	6.3	17
162	Approximation of Meta Distribution and its Moments for Poisson Cellular Networks. IEEE Wireless Communications Letters, 2018, 7, 1074-1077.	5.0	17

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163	Multi-Domain Network Slicing With Latency Equalization. IEEE Transactions on Network and Service Management, 2020, 17, 2182-2196.	4.9	17
164	Virtual Service Placement for Edge Computing Under Finite Memory and Bandwidth. IEEE Transactions on Communications, 2020, 68, 7702-7718.	7.8	17
165	Distributed Beamforming Techniques for Cell-Free Wireless Networks Using Deep Reinforcement Learning. IEEE Transactions on Cognitive Communications and Networking, 2022, 8, 1186-1201.	7.9	17
166	Competitive Spectrum Sharing and Pricing in Cognitive Wireless Mesh Networks. , 2008, , .		16
167	Sampling rate reduction for 60 GHz UWB communication using compressive sensing. , 2009, , .		16
168	Queueing Analysis of 802.11e HCCA with Variable Bit Rate Traffic. , 2006, , .		15
169	Scheduling and Admission Control in Power-Constrained OFDM Wireless Mesh Routers: Analysis and Optimization. IEEE Transactions on Wireless Communications, 2007, 6, 3738-3748.	9.2	15
170	Equilibrium and Disequilibrium Pricing for Spectrum Trading in Cognitive Radio: A Control-Theoretic Approach. , 2007, , .		15
171	Energy-efficient downlink transmission in two-tier network MIMO OFDMA networks. , 2014, , .		15
172	Analysis of multi-tier uplink cellular networks with energy harvesting and flexible cell association. , 2014, , .		15
173	A Radio Resource Management Framework for IEEE 802.16-Based OFDM/TDD Wireless Mesh Networks. , 2006, , .		14
174	Resource Allocation for Multiuser OFDMA-Based Amplify-and-Forward Relay Networks with Selective Relaying. , 2011, , .		14
175	Analytical Approximation-Based Machine Learning Methods for User Positioning in Distributed Massive MIMO. IEEE Access, 2018, 6, 18431-18452.	4.2	14
176	A Matching Game for Decoupled Uplink-Downlink User Association in Full-Duplex Small Cell Networks. , 2015, , .		13
177	User-Centric Distributed Spectrum Sharing in Dynamic Network Architectures. IEEE/ACM Transactions on Networking, 2019, 27, 15-28.	3.8	13
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181	Reflection Coefficient Measurement for House Flooring Materials at 57-64 GHz. , 2009, , .		12
182	Optimal Content Transmission Policy in Publish-Subscribe Mobile Social Networks. , 2010, , .		12
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