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	Distributed Cooperation Under Uncertainty in Drone-Based Wireless Networks: A Bayesian Coalitional Game. IEEE Transactions on Mobile Computing, 2023, 22, 206-221.	5.8	1
2	Multi-Agent Deep Reinforcement Learning for Joint Decoupled User Association and Trajectory Design in Full-Duplex Multi-UAV Networks. IEEE Transactions on Mobile Computing, 2023, 22, 6056-6070.	5.8	7
3	Decoupled Uplink-Downlink Association in Full-Duplex Cellular Networks: A Contract-Theory Approach. IEEE Transactions on Mobile Computing, 2022, 21, 911-925.	5.8	9
4	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
5	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
6	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
7	Stochastic Geometry Analysis of IRS-Assisted Downlink Cellular Networks. IEEE Transactions on Communications, 2022, 70, 1442-1456.	7.8	19
8	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
9	Modulating Intelligent Surfaces for Multiuser MIMO Systems: Beamforming and Modulation Design. IEEE Transactions on Communications, 2022, 70, 3234-3249.	7.8	4
10	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
11	Self-Organizing mmWave MIMO Cell-Free Networks With Hybrid Beamforming: A Hierarchical DRL-Based Design. IEEE Transactions on Communications, 2022, 70, 3169-3185.	7.8	11
12	Special Issue on Next Generation Multiple Access—Part I. IEEE Journal on Selected Areas in Communications, 2022, 40, 1031-1036.	14.0	1
13	Guest Editorial Special Issue on Next Generation Multiple Access—Part II. IEEE Journal on Selected Areas in Communications, 2022, 40, 1387-1391.	14.0	1
14	Joint Decoupled Multiple-Association and Resource Allocation in Full-Duplex Heterogeneous Cellular Networks: A Four-Sided Matching Game. IEEE Transactions on Wireless Communications, 2022, 21, 6464-6477.	9.2	4
15	Statistical Performance Modeling of Solar and Wind-Powered UAV Communications. IEEE Transactions on Mobile Computing, 2021, 20, 2686-2700.	5.8	42
16	Handover Rate and Sojourn Time Analysis in Mobile Drone-Assisted Cellular Networks. IEEE Wireless Communications Letters, 2021, 10, 392-395.	5.0	7
17	Optimization of Wireless Relaying With Flexible UAV-Borne Reflecting Surfaces. IEEE Transactions on Communications, 2021, 69, 309-325.	7.8	114
18	Stochastic Geometry Analysis of Sojourn Time in Multi-Tier Cellular Networks. IEEE Transactions on Wireless Communications, 2021, 20, 1816-1830.	9.2	8

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19	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
20	Load Management, Power and Admission Control in Downlink Cellular OFDMA Networks. IEEE Transactions on Mobile Computing, 2021, 20, 1477-1493.	5.8	3
21	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
22	Stochastic Geometry Analysis of Spatial-Temporal Performance in Wireless Networks: A Tutorial. IEEE Communications Surveys and Tutorials, 2021, 23, 2753-2801.	39.4	31
23	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
24	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
25	Distributed Machine Learning for Wireless Communication Networks: Techniques, Architectures, and Applications. IEEE Communications Surveys and Tutorials, 2021, 23, 1458-1493.	39.4	53
26	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
27	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
28	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
29	Federated Learning in Unreliable and Resource-Constrained Cellular Wireless Networks. IEEE Transactions on Communications, 2021, 69, 5136-5151.	7.8	32
30	Random Access Based on Maximum Average Distance Code for Massive MTC in Cellular IoT Networks. IEEE Wireless Communications Letters, 2021, 10, 1852-1856.	5.0	1
31	Editorial Energy Efficiency of Machine-Learning-Based Designs for Future Wireless Systems and Networks. IEEE Transactions on Green Communications and Networking, 2021, 5, 1005-1010.	5.5	6
32	Federated Learning for Internet of Things: Recent Advances, Taxonomy, and Open Challenges. IEEE Communications Surveys and Tutorials, 2021, 23, 1759-1799.	39.4	290
33	On Coverage Probability With Type-II HARQ in Large-Scale Uplink Cellular Networks. IEEE Wireless Communications Letters, 2020, 9, 3-7.	5.0	3
34	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
35	End-to-End Energy-Efficiency and Reliability of UAV-Assisted Wireless Data Ferrying. IEEE Transactions on Communications, 2020, 68, 1822-1837.	7.8	29
36	A Blockchain Policy and Charging Control Framework for Roaming in Cellular Networks. IEEE Network, 2020, 34, 170-177.	6.9	34

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37	Multi-Domain Network Slicing With Latency Equalization. IEEE Transactions on Network and Service Management, 2020, 17, 2182-2196.	4.9	17
38	Virtual Service Placement for Edge Computing Under Finite Memory and Bandwidth. IEEE Transactions on Communications, 2020, 68, 7702-7718.	7.8	17
39	Eliciting Truthful Data From Crowdsourced Wireless Monitoring Modules in Cloud Managed Networks. IEEE Access, 2020, 8, 173641-173653.	4.2	2
40	Partial Non-Orthogonal Multiple Access (NOMA) in Downlink Poisson Networks. IEEE Transactions on Wireless Communications, 2020, 19, 7637-7652.	9.2	10
41	Intelligent Reflecting Surface Enabled Covert Communications in Wireless Networks. IEEE Network, 2020, 34, 148-155.	6.9	72
42	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
43	Machine Learning in IoT Security: Current Solutions and Future Challenges. IEEE Communications Surveys and Tutorials, 2020, 22, 1686-1721.	39.4	409
44	Optimal Non-Coherent Detector for Ambient Backscatter Communication System. IEEE Transactions on Vehicular Technology, 2020, 69, 16197-16201.	6.3	13
45	Generalized Coordinated Multipoint (GCoMP)-Enabled NOMA: Outage, Capacity, and Power Allocation. IEEE Transactions on Communications, 2019, 67, 7923-7936.	7.8	30
46	On the Effect of Temporal Correlation on Joint Success Probability and Distribution of Number of Interferers in Mobile UAV Networks. IEEE Wireless Communications Letters, 2019, 8, 1621-1625.	5.0	10
47	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
48	Ambient Backscatter-Assisted Wireless-Powered Relaying. IEEE Transactions on Green Communications and Networking, 2019, 3, 1087-1105.	5.5	26
49	Accuracy of Distance-Based Ranking of Users in the Analysis of NOMA Systems. IEEE Transactions on Communications, 2019, 67, 5069-5083.	7.8	32
50	Fundamentals of Mobility-Aware Performance Characterization of Cellular Networks: A Tutorial. IEEE Communications Surveys and Tutorials, 2019, 21, 2288-2308.	39.4	76
51	Multi-Objective Optimization for Energy- and Spectral-Efficiency Tradeoff in In-Band Full-Duplex (IBFD) Communication. , 2019, , .		9
52	A Reverse Auction Model for Efficient Resource Allocation in Mobile Edge Computation Offloading. , 2019, , .		11
53	On Coverage Probability in Uplink NOMA With Instantaneous Signal Power-Based User Ranking. IEEE Wireless Communications Letters, 2019, 8, 1683-1687.	5.0	6
54	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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55	Meta Distribution of SIR in Large-Scale Uplink and Downlink NOMA Networks. IEEE Transactions on Communications, 2019, 67, 3009-3025.	7.8	57
56	Computation Offloading and Activation of Mobile Edge Computing Servers: A Minority Game. IEEE Wireless Communications Letters, 2018, 7, 688-691.	5.0	62
57	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
58	Infrastructure Sharing for Mobile Network Operators: Analysis of Trade-Offs and Market. IEEE Transactions on Mobile Computing, 2018, 17, 2804-2817.	5.8	23
59	Coverage and Rate Analysis for Co-Existing RF/VLC Downlink Cellular Networks. IEEE Transactions on Wireless Communications, 2018, 17, 2588-2601.	9.2	58
60	On Resource Management in Load-Coupled OFDMA Networks. IEEE Transactions on Communications, 2018, 66, 2295-2311.	7.8	9
61	Analytical Approximation-Based Machine Learning Methods for User Positioning in Distributed Massive MIMO. IEEE Access, 2018, 6, 18431-18452.	4.2	14
62	Self-Sustainability of Energy Harvesting Systems: Concept, Analysis, and Design. IEEE Transactions on Green Communications and Networking, 2018, 2, 175-192.	5.5	18
63	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
64	Coordinated Multipoint Transmission in Downlink Multi-Cell NOMA Systems: Models and Spectral Efficiency Performance. IEEE Wireless Communications, 2018, 25, 24-31.	9.0	76
65	SINR Outage Evaluation: Saddle Point Approximation Using Normal Inverse Gaussian Distribution. IEEE Transactions on Wireless Communications, 2018, 17, 591-605.	9.2	1
66	Multi-Tier Drone Architecture for 5G/B5G Cellular Networks: Challenges, Trends, and Prospects. IEEE Communications Magazine, 2018, 56, 96-103.	6.1	280
67	Low-Dimensionality of Noise-Free RSS and Its Application in Distributed Massive MIMO. IEEE Wireless Communications Letters, 2018, 7, 486-489.	5.0	9
68	Cheat-Proof Distributed Power Control in Full-Duplex Small Cell Networks: A Repeated Game With Imperfect Public Monitoring. IEEE Transactions on Communications, 2018, 66, 1787-1802.	7.8	8
69	Machine Learning Methods for RSS-Based User Positioning in Distributed Massive MIMO. IEEE Transactions on Wireless Communications, 2018, 17, 8402-8417.	9.2	58
70	An FPGA-Based Implementation of a Multifunction Environment Sensing Device for Shared Access With Rotating Radars. IEEE Transactions on Instrumentation and Measurement, 2018, 67, 2561-2578.	4.7	10
71	Battery Recharge Time of a Stochastic Linear and Nonlinear Energy Harvesting Systems. IEEE Transactions on Vehicular Technology, 2018, 67, 7877-7881.	6.3	3
72	Downlink Power Allocation for CoMP-NOMA in Multi-Cell Networks. IEEE Transactions on Communications, 2018, 66, 3982-3998.	7.8	148

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73	Approximation of Meta Distribution and its Moments for Poisson Cellular Networks. IEEE Wireless Communications Letters, 2018, 7, 1074-1077.	5.0	17
74	Level-Triggered Harvest-Then-Consume Protocol With Two Bits or Less Energy State Information. IEEE Wireless Communications Letters, 2018, 7, 150-153.	5.0	1
75	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
76	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
77	Energy Efficiency in Massive MIMO-Based 5G Networks: Opportunities and Challenges. IEEE Wireless Communications, 2017, 24, 86-94.	9.0	197
78	IoT Connectivity in Radar Bands: A Shared Access Model Based on Spectrum Measurements. , 2017, 55, 88-96.		26
79	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
80	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
81	Distributed User Association in Energy Harvesting Small Cell Networks: An Exchange Economy With Uncertainty. IEEE Transactions on Green Communications and Networking, 2017, 1, 294-308.	5.5	12
82	On User Association in Multi-Tier Full-Duplex Cellular Networks. IEEE Transactions on Communications, 2017, 65, 4080-4095.	7.8	18
83	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
84	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
85	Minority Games With Applications to Distributed Decision Making and Control in Wireless Networks. IEEE Wireless Communications, 2017, 24, 184-192.	9.0	28
86	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
87	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
88	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
89	On spectrum sharing among micro-operators in 5G. , 2017, , .		10
90	Inter-operator infrastructure sharing: Trade-offs and market. , 2017, , .		8

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91	Uplink Vs. Downlink NOMA in Cellular Networks: Challenges and Research Directions. , 2017, , .		66
92	A numerical approximation method for RSS-based user positioning in distributed massive MIMO. , 2017, , .		5
93	On feasibility of 5G-grade dedicated RF charging technology for wireless-powered wearables. IEEE Wireless Communications, 2016, 23, 28-37.	9.0	51
94	Dynamic User Clustering and Power Allocation for Uplink and Downlink Non-Orthogonal Multiple Access (NOMA) Systems. IEEE Access, 2016, , 1-1.	4.2	493
95	Spectrum allocation for wireless backhauling of 5G small cells. , 2016, , .		7
96	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
97	A cheat-proof power control policy for self-organizing full-duplex small cells. , 2016, , .		3
98	Distributed downlink user association in small cell networks with energy harvesting. , 2016, , .		6
99	Multi-armed bandits with application to 5G small cells. IEEE Wireless Communications, 2016, 23, 64-73.	9.0	86
100	Relay-Assisted Device-to-Device Communication: A Stochastic Analysis of Energy Saving. IEEE Transactions on Mobile Computing, 2016, 15, 3129-3141.	5.8	38
101	Virtualization of 5G Cellular Networks as a Hierarchical Combinatorial Auction. IEEE Transactions on Mobile Computing, 2016, 15, 2640-2654.	5.8	155
102	Saddle Point Approximation for Outage Probability Using Cumulant Generating Functions. IEEE Wireless Communications Letters, 2016, 5, 192-195.	5.0	3
103	Integral Approximations for Coverage Probability. IEEE Wireless Communications Letters, 2016, 5, 24-27.	5.0	12
104	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
105	A Distributed Opportunistic MAC Protocol for Multichannel Wireless Networks. IEEE Transactions on Wireless Communications, 2016, 15, 4263-4276.	9.2	9
106	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
107	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
108	On Characterization of Feasible Interference Regions in Cognitive Radio Networks. IEEE Transactions on Communications, 2016, 64, 511-524.	7.8	20

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109	Low-Complexity SINR Feasibility Checking and Joint Power and Admission Control in Prioritized Multitier Cellular Networks. IEEE Transactions on Wireless Communications, 2016, 15, 2421-2434.	9.2	12
110	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
111	Robust Ergodic Uplink Resource Allocation in Underlay OFDMA Cognitive Radio Networks. IEEE Transactions on Mobile Computing, 2016, 15, 419-431.	5.8	39
112	Distributed resource allocation in D2D-enabled multi-tier cellular networks: An auction approach. , 2015, , .		50
113	Massive MIMO-Enabled Wireless Backhauls for Full-Duplex Small Cells. , 2015, , .		10
114	Matching with externalities for decoupled uplink-downlink user association in full-duplex small cell networks. , 2015, , .		8
115	Tier-Aware Resource Allocation in OFDMA Macrocell-Small Cell Networks. IEEE Transactions on Communications, 2015, 63, 695-710.	7.8	78
116	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
117	A Matching Game for Decoupled Uplink-Downlink User Association in Full-Duplex Small Cell Networks. , 2015, , .		13
118	Adaptive in-band self-backhauling for full-duplex small cells. , 2015, , .		12
119	Distributed Uplink Power Control for Multi-Cell Cognitive Radio Networks. IEEE Transactions on Communications, 2015, 63, 628-642.	7.8	30
120	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
121	Downlink cell association for large-scale MIMO HetNets employing small cell wireless backhaul. , 2015, , .		2
122	Medium access control design for full duplex wireless systems: challenges and approaches. , 2015, 53, 112-120.		103
123	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
124	Characterizing feasible interference region for underlay cognitive radio networks. , 2015, , .		10
125	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
126	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

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127	Secure Robust Ergodic Uplink Resource Allocation in Relay-Assisted Cognitive Radio Networks. IEEE Transactions on Signal Processing, 2015, 63, 291-304.	5.3	58
128	An Evolutionary Game for Distributed Resource Allocation in Self-Organizing Small Cells. IEEE Transactions on Mobile Computing, 2015, 14, 274-287.	5.8	119
129	On Joint Power and Admission Control in Underlay Cellular Cognitive Radio Networks. IEEE Transactions on Wireless Communications, 2015, 14, 265-278.	9.2	35
130	Cellular OFDMA Cognitive Radio Networks: Generalized Spectral Footprint Minimization. IEEE Transactions on Vehicular Technology, 2014, , 1-1.	6.3	7
131	Location-aware coordinated multipoint transmission in OFDMA networks. , 2014, , .		8
132	Energy-efficient downlink transmission in two-tier network MIMO OFDMA networks. , 2014, , .		15
133	Generalized spectral footprint minimization for OFDMA-based cognitive radio networks. , 2014, , .		3
134	Analysis of multi-tier uplink cellular networks with energy harvesting and flexible cell association. , 2014, , .		15
135	Context-aware networking and communications: part 2 [Guest Editorial]. , 2014, 52, 64-65.		8
136	Smart grid sensor data collection, communication, and networking: a tutorial. Wireless Communications and Mobile Computing, 2014, 14, 1055-1087.	1.2	109
137	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
138	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
139	On the Power Allocation Problem in the Gaussian Interference Channel with Proportional Rate Constraints. IEEE Transactions on Wireless Communications, 2014, 13, 1101-1115.	9.2	4
140	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
141	Special issue on cognitive networking. Journal of Communications and Networks, 2014, 16, 101-109.	2.6	0
142	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
143	Location-Aware Cross-Tier Coordinated Multipoint Transmission in Two-Tier Cellular Networks. IEEE Transactions on Wireless Communications, 2014, 13, 6311-6325.	9.2	84
144	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

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145	Evolution toward 5G multi-tier cellular wireless networks: An interference management perspective. IEEE Wireless Communications, 2014, 21, 118-127.	9.0	507
146	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
147	Game-theoretic resource allocation methods for device-to-device communication. IEEE Wireless Communications, 2014, 21, 136-144.	9.0	311
148	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
149	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
150	On Resource Allocation for Downlink Power Minimization in OFDMA Small Cells in a Cloud-RAN. , 2014, , .		1
151	Massive MIMO-Enabled Wireless Backhauls for Full-Duplex Small Cells. , 2014, , .		0
152	Fractional frequency reuse for interference management in LTE-advanced hetnets. IEEE Wireless Communications, 2013, 20, 113-122.	9.0	185
153	Hierarchical Competition for Downlink Power Allocation in OFDMA Femtocell Networks. IEEE Transactions on Wireless Communications, 2013, 12, 1543-1553.	9.2	93
154	Cooperative Packet Delivery in Hybrid Wireless Mobile Networks: A Coalitional Game Approach. IEEE Transactions on Mobile Computing, 2013, 12, 840-854.	5.8	36
155	Delay-Optimal Distributed Scheduling in Multi-User Multi-Relay Cellular Wireless Networks. IEEE Transactions on Communications, 2013, 61, 1349-1360.	7.8	19
156	Optimal-Switching Adaptive Modulation for Multiuser Relay Networks with Feedback Delays. IEEE Transactions on Wireless Communications, 2013, 12, 3682-3695.	9.2	5
157	Coalition-Based Cooperative Packet Delivery under Uncertainty: A Dynamic Bayesian Coalitional Game. IEEE Transactions on Mobile Computing, 2013, 12, 371-385.	5.8	50
158	HetNets with cognitive small cells: user offloading and distributed channel access techniques. , 2013, 51, 28-36.		135
159	Random access for machine-to-machine communication in LTE-advanced networks: issues and approaches. , 2013, 51, 86-93.		486
160	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
161	Resource allocation for device-to-device communications underlaying LTE-advanced networks. IEEE Wireless Communications, 2013, 20, 91-100.	9.0	342
162	Distributed resource allocation for self-organizing small cell networks: An evolutionary game approach. , 2013, , .		11

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163	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
164	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
165	Resource allocation for network-integrated device-to-device communications using smart relays. , 2013, , .		22
166	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
167	A Framework for Cooperative Resource Management in Mobile Cloud Computing. IEEE Journal on Selected Areas in Communications, 2013, 31, 2685-2700.	14.0	168
168	A Dynamic Time Slot Allocation Scheme for Hybrid CSMA/TDMA MAC Protocol. IEEE Wireless Communications Letters, 2013, 2, 535-538.	5.0	21
169	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
170	Robust Scheduling and Power Control for Vertical Spectrum Sharing in STDMA Wireless Networks. IEEE Transactions on Wireless Communications, 2012, 11, 1850-1860.	9.2	11
171	Game theoretic modeling of cooperation among service providers in mobile cloud computing environments. , 2012, , .		54
172	Auction-based resource allocation in cognitive radio systems. , 2012, 50, 108-120.		59
173	Pattern classification techniques for cooperative spectrum sensing in cognitive radio networks: SVM and W-KNN approaches. , 2012, , .		32
174	Interference management in OFDMA femtocell networks: issues and approaches. IEEE Wireless Communications, 2012, 19, 86-95.	9.0	338
175	Cooperative relaying in Wi-Fi networks with network coding. IEEE Wireless Communications, 2012, 19, 57-65.	9.0	9
176	Downlink Subchannel and Power Allocation in Multi-Cell OFDMA Cognitive Radio Networks. IEEE Transactions on Wireless Communications, 2011, 10, 2259-2271.	9.2	44
177	Impact of packet loss on power demand estimation and power supply cost in smart grid. , 2011, , .		45
178	Opportunistic Access to Spectrum Holes Between Packet Bursts: A Learning-Based Approach. IEEE Transactions on Wireless Communications, 2011, 10, 2497-2509.	9.2	65
179	Adaptive Modulation for Multiuser Amplify-and-Forward Relay Networks with Feedback Delays. , 2011, , .		2
180	Collaborative Spectrum Sensing from Sparse Observations in Cognitive Radio Networks. IEEE Journal on Selected Areas in Communications, 2011, 29, 327-337.	14.0	138

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181	Distributed Interference Management in Femtocell Networks. , 2011, , .		20
182	End-to-End Queueing Performance Evaluation for Multiuser Wireless Relay Networks. , 2011, , .		3
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