Haijun Zhang

List of Publications by Year in Descending Order

178 papers	6,312 citations	37 h-index	76 g-index
193 ext. papers	7,849 ext. citations	7.2 avg, IF	6.66 L-index

#	Paper	IF	Citations
178	High-Throughput Adaptive List Decoding Architecture for Polar Codes on GPU. *IEEE Transactions on Signal Processing*, **2022**, 1-1	4.8	0
177	Resource Allocation in Terrestrial-Satellite based Next Generation Multiple Access Networks with Interference Cooperation. *IEEE Journal on Selected Areas in Communications*, **2022**, 1-1	14.2	2
176	Proximal Policy Optimization-based Transmit Beamforming and Phase-shift Design in an IRS-aided ISAC System for the THz Band. *IEEE Journal on Selected Areas in Communications*, **2022**, 1-1	14.2	4
175	Reconfigurable Intelligent Surface With Energy Harvesting Assisted Cooperative Ambient Backscatter Communications. *IEEE Wireless Communications Letters*, **2022**, 1-1	5.9	1
174	PPO-Based PDACB Traffic Control Scheme for Massive IoV Communications. *IEEE Transactions on Intelligent Transportation Systems*, **2022**, 1-10	6.1	0
173	Self-Adapting Handover Parameters Optimization for SDN-Enabled UDN. *IEEE Transactions on Wireless Communications*, **2022**, 1-1	9.6	2
172	An Online Zero-Forcing Precoder for Weighted Sum-Rate Maximization in Green CoMP Systems. *IEEE Transactions on Wireless Communications*, **2022**, 1-1	9.6	1
171	IRS Empowered UAV Wireless Communication with Resource Allocation, Reflecting Design and Trajectory Optimization. *IEEE Transactions on Wireless Communications*, **2022**, 1-1	9.6	3
170	Online Resource Management of Heterogeneous Cellular Networks Powered by Grid-Connected Smart Micro Grids. *IEEE Transactions on Wireless Communications*, **2022**, 1-1	9.6	1
169	User Association, Subchannel and Power Allocation in Space-Air-Ground Integrated Vehicular Network with Delay Constraints. *IEEE Transactions on Network Science and Engineering*, **2022**, 1-1	4.9	1
168	Fair and Energy-efficient Coverage Optimization for UAV Placement Problem in the Cellular Network. *IEEE Transactions on Communications*, **2022**, 1-1	6.9	2
167	Demand prediction based slice reconfiguration using dueling deep Q-network. *China Communications*, **2022**, 19, 267-285	3	0
166	Cellular Traffic Prediction via a Deep Multi-Reservoir Regression Learning Network for Multi-Access Edge Computing. *IEEE Wireless Communications*, **2021**, 28, 13-19	13.4	2
165	Primal-dual Learning for Cross-layer Resource Management in Cell-free Massive MIMO IIoT. *IEEE Internet of Things Journal*, **2021**, 1-1	10.7	0
164	Energy Efficient User Association, Resource Allocation and Caching Deployment in Fog Radio Access Networks. *IEEE Transactions on Vehicular Technology*, **2021**, 1-1	6.8	2
163	Security Enhancement With a Hybrid Cooperative NOMA Scheme for MEC System. *IEEE Transactions on Vehicular Technology*, **2021**, 70, 2635-2648	6.8	8
162	Energy-Efficient Multi-UAVs Deployment and Movement for Emergency Response. *IEEE Communications Letters*, **2021**, 25, 1625-1629	3.8	7

161	A Multi-Attribute Handover Algorithm for QoS Enhancement in Ultra Dense Network. *IEEE Transactions on Vehicular Technology*, **2021**, 70, 4557-4568	6.8	4
160	Beamforming Design and BBU Computation Resource Allocation for Power Minimization in Green C-RAN **2021**,		1
159	Subchannel Assignment and Power Allocation for Time-Varying Fog Radio Access Network With NOMA. *IEEE Transactions on Wireless Communications*, **2021**, 20, 3685-3697	9.6	3
158	Energy Efficient Resource Allocation in Cache Based Terahertz Vehicular Networks: A Mean-Field Game Approach. *IEEE Transactions on Vehicular Technology*, **2021**, 70, 5275-5285	6.8	6
157	Resource Management of Heterogeneous Cellular Networks With Hybrid Energy Supplies: A Multi-Objective Optimization Approach. *IEEE Transactions on Wireless Communications*, **2021**, 20, 4392-4405	9.6	3
156	Rethinking Cellular System Coverage Optimization: A Perspective of Pseudometric Structure of Antenna Azimuth Variable Space. *IEEE Systems Journal*, **2021**, 15, 2971-2979	4.3	1
155	Joint Resource Allocation and Trajectory Optimization With QoS in UAV-Based NOMA Wireless Networks. *IEEE Transactions on Wireless Communications*, **2021**, 1-1	9.6	12
154	eICIC configuration of Downlink and Uplink Decoupling with SWIPT in 5G Dense IoT HetNets. *IEEE Transactions on Wireless Communications*, **2021**, 1-1	9.6	1
153	. *IEEE Journal on Selected Areas in Communications*, **2021**, 1-1	14.2	7
152	Deep Dyna-Reinforcement Learning Based on Random Access Control in LEO Satellite IoT Networks. *IEEE Internet of Things Journal*, **2021**, 1-1	10.7	1
151	Computation Offloading and Wireless Resource Management for Healthcare Monitoring in Fog-Computing based Internet of Medical Things. *IEEE Internet of Things Journal*, **2021**, 1-1	10.7	9
150	Wireless Powered Mobile Edge Computing With NOMA and User Cooperation. *IEEE Transactions on Vehicular Technology*, **2021**, 70, 1957-1961	6.8	11
149	Energy Efficient Resource Allocation in Terahertz Downlink NOMA Systems. *IEEE Transactions on Communications*, **2021**, 69, 1375-1384	6.9	18
148	Fog Computing Vehicular Network Resource Management Based on Chemical Reaction Optimization. *IEEE Transactions on Vehicular Technology*, **2021**, 70, 1770-1781	6.8	6
147	Resource Allocation for NOMA Based Space-Terrestrial Satellite Networks. *IEEE Transactions on Wireless Communications*, **2021**, 20, 1065-1075	9.6	10
146	Incentive-Driven Deep Reinforcement Learning for Content Caching and D2D Offloading. *IEEE Journal on Selected Areas in Communications*, **2021**, 39, 2445-2460	14.2	18
145	Dynamic Graph Optimization and Performance Evaluation for Delay-Tolerant Aeronautical Ad Hoc Network. *IEEE Transactions on Communications*, **2021**, 69, 6018-6036	6.9	3
144	Cooperative Proactive Eavesdropping Based on Deep Reinforcement Learning. *IEEE Wireless Communications Letters*, **2021**, 10, 1857-1861	5.9	4

143	Data-Driven Transportation Network Company Vehicle Scheduling with UsersVLocation Differential Privacy Preservation. *IEEE Transactions on Mobile Computing*, **2021**, 1-1	4.6	1
142	Resource Allocation and Hybrid OMA/NOMA Mode Selection for Non-Coherent Joint Transmission. *IEEE Transactions on Wireless Communications*, **2021**, 1-1	9.6	0
141	. *IEEE Transactions on Wireless Communications*, **2020**, 19, 8303-8314	9.6	0
140	Deployment Model and Performance Analysis of Clustered D2D Caching Networks Under Cluster-Centric Caching Strategy. *IEEE Transactions on Communications*, **2020**, 68, 4933-4945	6.9	6
139	Energy-Efficient Joint User Association and Power Allocation in a Heterogeneous Network. *IEEE Transactions on Wireless Communications*, **2020**, 19, 7008-7020	9.6	13
138	Energy Efficient User Clustering, Hybrid Precoding and Power Optimization in Terahertz MIMO-NOMA Systems. *IEEE Journal on Selected Areas in Communications*, **2020**, 38, 2074-2085	14.2	54
137	Power Control Based on Deep Reinforcement Learning for Spectrum Sharing. *IEEE Transactions on Wireless Communications*, **2020**, 19, 4209-4219	9.6	41
136	Recurrence Behavior Statistics of Blast Furnace Gas Sensor Data in Industrial Internet of Things. *IEEE Internet of Things Journal*, **2020**, 7, 5666-5676	10.7	1
135	Deep Learning Based Radio Resource Management in NOMA Networks: User Association, Subchannel and Power Allocation. *IEEE Transactions on Network Science and Engineering*, **2020**, 7, 2406-2415	4.9	22
134	PAPR Reduction Using Iterative Clipping/Filtering and ADMM Approaches for OFDM-Based Mixed-Numerology Systems. *IEEE Transactions on Wireless Communications*, **2020**, 19, 2586-2600	9.6	16
133	Secure Cooperative Transmission for Mixed RF/FSO Spectrum Sharing Networks. *IEEE Transactions on Communications*, **2020**, 68, 3010-3023	6.9	6
132	Thirty Years of Machine Learning: The Road to Pareto-Optimal Wireless Networks. *IEEE Communications Surveys and Tutorials*, **2020**, 22, 1472-1514	37.1	241
131	Efficient Privacy Preserving Data Collection and Computation Offloading for Fog-Assisted IoT. *IEEE Transactions on Sustainable Computing*, **2020**, 5, 526-540	3.5	13
130	Partially Observable Multi-Agent Deep Reinforcement Learning for Cognitive Resource Management **2020**,		6
129	Analysis of Traffic Performance on Network Slicing Using Complex Network Theory. *IEEE Transactions on Vehicular Technology*, **2020**, 69, 15188-15199	6.8	2
128	Uplink Performance Improvement for Downlink-Uplink Decoupled HetNets With Non-Uniform User Distribution. *IEEE Transactions on Vehicular Technology*, **2020**, 1-1	6.8	5
127	Slice Reconfiguration based on Demand Prediction with Dueling Deep Reinforcement Learning **2020**,		2
126	Energy Efficient Resource Management in SWIPT Enabled Heterogeneous Networks With NOMA. *IEEE Transactions on Wireless Communications*, **2020**, 19, 835-845	9.6	56

125	Cooperative Computing in Integrated Blockchain-Based Internet of Things. *IEEE Internet of Things Journal*, **2020**, 7, 1603-1612	10.7	16
124	Computation-Efficient Offloading and Trajectory Scheduling for Multi-UAV Assisted Mobile Edge Computing. *IEEE Transactions on Vehicular Technology*, **2020**, 69, 2114-2125	6.8	70
123	QoS Driven Power Allocation in Secure Multicarrier Full-Duplex Relay Systems. *IEEE Transactions on Wireless Communications*, **2020**, 19, 929-941	9.6	2
122	Resource Allocation for Optimizing Energy Efficiency in NOMA-based Fog UAV Wireless Networks. *IEEE Network*, **2020**, 34, 158-163	11.4	29
121	Deep Neural Network for Resource Management in NOMA Networks. *IEEE Transactions on Vehicular Technology*, **2020**, 69, 876-886	6.8	19
120	Energy Efficiency Optimization for NOMA UAV Network With Imperfect CSI. *IEEE Journal on Selected Areas in Communications*, **2020**, 38, 2798-2809	14.2	39
119	Noncooperative Resource optimization for NOMA Based Fog Radio Access Network **2020**,		1
118	Energy Efficient User Clustering and Hybrid Precoding for Terahertz MIMO-NOMA Systems **2020**,		8
117	Subchannel Assignment and Power Optimization in Caching based UAV Networks With NOMA **2020** ,		3
116	Energy-Efficient Resource Allocation and Trajectory Design for UAV Relaying Systems. *IEEE Transactions on Communications*, **2020**, 68, 6483-6498	6.9	20
115	User Access and Resource Allocation in Full-Duplex User-Centric Ultra-Dense Networks. *IEEE Transactions on Vehicular Technology*, **2020**, 69, 12015-12030	6.8	2
114	Optimal Control Design for Connected Cruise Control With Stochastic Communication Delays. *IEEE Transactions on Vehicular Technology*, **2020**, 69, 15357-15369	6.8	4
113	. *IEEE Transactions on Sustainable Computing*, **2020**, 5, 95-106	3.5	14
112	. *IEEE Vehicular Technology Magazine*, **2019**, 14, 56-63	9.9	16
111	Multi-Criteria Coverage Map Construction Based on Adaptive Triangulation-Induced Interpolation for Cellular Networks. *IEEE Access*, **2019**, 7, 80767-80777	3.5	3
110	Second-Price Auction Based Cognitive Traffic Offloading in Heterogeneous Networks **2019**,		1
109	Energy-Efficient Subchannel Matching and Power Allocation in NOMA Autonomous Driving Vehicular Networks. *IEEE Wireless Communications*, **2019**, 26, 88-93	13.4	19
108	Performance Analysis of Cooperative Aerial Base Station-Assisted Networks With Non-Orthogonal Multiple Access. *IEEE Transactions on Wireless Communications*, **2019**, 18, 5983-5999	9.6	5

107	Double Auction Mechanism Design for Video Caching in Heterogeneous Ultra-Dense Networks. *IEEE Transactions on Wireless Communications*, **2019**, 18, 1669-1683	9.6	21
106	Multi-Location-Aware Joint Optimization of Content Caching and Delivery for Backhaul-Constrained UDN. *Sensors*, **2019**, 19,	3.8	1
105	An Efficient Stochastic Gradient Descent Algorithm to Maximize the Coverage of Cellular Networks. *IEEE Transactions on Wireless Communications*, **2019**, 18, 3424-3436	9.6	19
104	User-Centric Delay-Aware Joint Caching and User Association Optimization in Cache-Enabled Wireless Networks. *IEEE Access*, **2019**, 7, 74961-74972	3.5	11
103	. *IEEE Access*, **2019**, 7, 32867-32873	3.5	9
102	Collective Efficacy of Support Vector Regression With Smoothness Priority in Marine Sensor Data Prediction. *IEEE Access*, **2019**, 7, 10308-10317	3.5	10
101	Interference Pricing Resource Allocation and User-Subchannel Matching for NOMA Hierarchy Fog Networks. *IEEE Journal on Selected Topics in Signal Processing*, **2019**, 13, 467-479	7.5	17
100	Resource Allocation in Spectrum-Sharing Cognitive Heterogeneous Networks **2019**, 635-680		1
99	Optimal Energy Efficient Power Allocation With User Fairness for Uplink MC-NOMA Systems. *IEEE Wireless Communications Letters*, **2019**, 8, 1133-1136	5.9	40
98	Spectrum Allocation and Power Control in Full-Duplex Ultra-Dense Heterogeneous Networks. *IEEE Transactions on Communications*, **2019**, 67, 4365-4380	6.9	18
97	A Decentralized Private Data Transaction Pricing and Quality Control Method **2019**,		2
96	Performance Analysis of Aerial Base Station Assisted Cooperative Communication Systems **2019**,		2
95	. *IEEE Network*, **2019**, 33, 112-118	11.4	9
94	Maximizing the System Energy Efficiency in the Blockchain Based Internet of Things **2019**,		8
93	Accelerated Coverage Optimization With Particle Swarm in the Quotient Space Characterizing Antenna Azimuths of Cellular Networks. *IEEE Access*, **2019**, 7, 86252-86264	3.5	8
92	A Joint Bit-to-Symbol Mapping Scheme in Cooperative Spatial Modulation System. *IEEE Access*, **2019**, 7, 38245-38254	3.5	3
91	An Efficient Geometry-Induced Genetic Algorithm for Base Station Placement in Cellular Networks. *IEEE Access*, **2019**, 7, 108604-108616	3.5	8
90	Software Defined 5G and 6G Networks: a Survey. *Mobile Networks and Applications*, **2019**, 1	2.9	24

89	Energy Efficient Resource Allocation in Small Cells with WiFi Unlicensed Bands Sharing. *Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering*, **2019**, 141-151	0.2	
88	Subchannel Assignment and Power Optimization for Energy-Efficient NOMA Heterogeneous Network **2019**,		2
87	User Association and Power Allocation Based on Q-Learning in Ultra Dense Heterogeneous Networks **2019**,		9
86	. *IEEE Transactions on Communications*, **2019**, 67, 1845-1857	6.9	1
85	Peer Prediction-Based Trustworthiness Evaluation and Trustworthy Service Rating in Social Networks. *IEEE Transactions on Information Forensics and Security*, **2019**, 14, 1582-1594	8	7
84	Joint UAV Hovering Altitude and Power Control for Space-Air-Ground IoT Networks. *IEEE Internet of Things Journal*, **2019**, 6, 1741-1753	10.7	137
83	Spectrum Detection and Link Quality Assessment for Heterogeneous Shared Access Networks. *IEEE Transactions on Vehicular Technology*, **2019**, 68, 1431-1445	6.8	8
82	. *IEEE Transactions on Wireless Communications*, **2019**, 18, 63-76	9.6	10
81	Energy Efficiency of Proactive Cooperative Eavesdropping Over Multiple Suspicious Communication Links. *IEEE Transactions on Vehicular Technology*, **2019**, 68, 420-430	6.8	20
80	Contract Mechanism and Performance Analysis for Data Transaction in Mobile Social Networks. *IEEE Transactions on Network Science and Engineering*, **2019**, 6, 103-115	4.9	59
79	An NDN IoT Content Distribution Model With Network Coding Enhanced Forwarding Strategy for 5G. *IEEE Transactions on Industrial Informatics*, **2018**, 14, 2725-2735	11.9	23
78	Downlink Energy Efficiency of Power Allocation and Wireless Backhaul Bandwidth Allocation in Heterogeneous Small Cell Networks. *IEEE Transactions on Communications*, **2018**, 66, 1705-1716	6.9	100
77	Modeling and Simulation on Cooperative Movement of Vehicle Group Based on the Behavior of Fish. *Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering*, **2018**, 630-639	0.2	1
76	Reliable Traffic Density Estimation in Vehicular Network. *IEEE Transactions on Vehicular Technology*, **2018**, 67, 6424-6437	6.8	15
75	. *IEEE Transactions on Vehicular Technology*, **2018**, 67, 3561-3574	6.8	43
74	Secure Communications in NOMA System: Subcarrier Assignment and Power Allocation. *IEEE Journal on Selected Areas in Communications*, **2018**, 36, 1441-1452	14.2	80
73	Energy-Efficient Resource Allocation in NOMA Heterogeneous Networks. *IEEE Wireless Communications*, **2018**, 25, 48-53	13.4	99
72	Secure Satellite-Terrestrial Transmission Over Incumbent Terrestrial Networks via Cooperative Beamforming. *IEEE Journal on Selected Areas in Communications*, **2018**, 36, 1367-1382	14.2	51

71	Super-Modular Game-Based User Scheduling and Power Allocation for Energy-Efficient NOMA Network. *IEEE Transactions on Wireless Communications*, **2018**, 17, 3877-3888	9.6	32
70	Energy Efficient Subchannel and Power Allocation for Software-defined Heterogeneous VLC and RF Networks. *IEEE Journal on Selected Areas in Communications*, **2018**, 36, 658-670	14.2	63
69	Incomplete CSI Based Resource Optimization in SWIPT Enabled Heterogeneous Networks: A Non-Cooperative Game Theoretic Approach. *IEEE Transactions on Wireless Communications*, **2018**, 17, 1882-1892	9.6	57
68	Resource Allocation in NOMA-Based Fog Radio Access Networks. *IEEE Wireless Communications*, **2018**, 25, 110-115	13.4	66
67	Energy Efficient Dynamic Resource Optimization in NOMA System. *IEEE Transactions on Wireless Communications*, **2018**, 17, 5671-5683	9.6	76
66	Energy Efficient Resource Allocation for Secure NOMA Networks **2018**,		5
65	Power Control in Full-Duplex Ultra-Dense Heterogeneous Networks **2018**,		2
64	Resource Allocation for Energy-Efficient NOMA Network Based on Super-Modular Game **2018**,		1
63	Edge Caching With Transmission Schedule for Multiuser Multirelay Networks. *IEEE Communications Letters*, **2018**, 22, 776-779	3.8	14
62	REFF: REliable and Fast Forwarding in Vehicular Ad-hoc Network. *Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering*, **2018**, 568-580	0.2	
61	A Vehicular Positioning Enhancement with Connected Vehicle Assistance Using Extended Kalman Filtering. *Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering*, **2018**, 597-608	0.2	
60	Green Resource Allocation in Intelligent Software Defined NOMA Networks. *Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering*, **2018**, 418-427	0.2	
59	A Stochastic Gradient Descent Algorithm for Antenna Tilt Optimization in Cellular Networks **2018**,		1
58	Stackelberg Game-Based Energy Efficient Power Allocation for Heterogeneous NOMA Networks **2018**,		5
57	Data-Driven Optimization for Utility Providers with Differential Privacy of UsersVEnergy Profile **2018**,		4
56	Energy-Efficient Resource Allocation in NOMA Heterogeneous Networks with Energy Harvesting **2018**,		9
55	ELITE GRADIENT DESCENT OPTIMIZATION OF ANTENNA PARAMETERS CONSTRAINED BY RADIO COVERAGE IN GREEN CELLULAR NETWORKS **2018**,		1
54	Fog Computing Assisted Efficient Privacy Preserving Data Collection for Big Sensory Data **2018**,		7

53	Energy Efficient Resource Allocation and Caching in Fog Radio Access Networks **2018**,		4
52	User Access and Resource Allocation in Full-Duplex User-Centric Ultra-Dense Heterogeneous Networks **2018**,		4
51	Performance Analysis of Dynamic Re-Clustering and Resource Allocation in Ultra Dense Network. *IEEE Access*, **2018**, 6, 60891-60899	3.5	5
50	Modeling and Analysis of Aerial Base Station-Assisted Cellular Networks in Finite Areas Under LoS and NLoS Propagation. *IEEE Transactions on Wireless Communications*, **2018**, 17, 6985-7000	9.6	34
49	Above-Threshold Queries of Environmental Conditions Based on Bilinear Interpolation in Wireless Sensor Networks. *Sensors*, **2018**, 18,	3.8	2
48	Joint Fair Resource Allocation of D2D Communication Underlaying Downlink Cellular System With Imperfect CSI. *IEEE Access*, **2018**, 6, 63131-63142	3.5	14
47	Software-Defined and Fog-Computing-Based Next Generation Vehicular Networks. *IEEE Communications Magazine*, **2018**, 56, 34-41	9.1	33
46	Auction Design and Analysis for SDN-Based Traffic Offloading in Hybrid Satellite-Terrestrial Networks. *IEEE Journal on Selected Areas in Communications*, **2018**, 36, 2202-2217	14.2	77
45	Joint Energy Management and Interference Coordination With Max-Min Fairness in Ultra-Dense HetNets. *IEEE Access*, **2018**, 6, 32588-32600	3.5	15
44	. *IEEE Access*, **2018**, 6, 63107-63119	3.5	7
43	Energy-Efficient Power Allocation with Interference Mitigation in MmWave-Based Fog Radio Access Networks. *IEEE Wireless Communications*, **2018**, 25, 25-31	13.4	13
42	Energy Efficiency of Proactive Eavesdropping for Multiple Links Wireless System. *IEEE Access*, **2018**, 6, 26081-26090	3.5	17
41	Accelerated Distributed Optimization Design for Reconstruction of Big Sensory Data. *IEEE Internet of Things Journal*, **2017**, 4, 1716-1725	10.7	17
40	Machine Learning Paradigms for Next-Generation Wireless Networks. *IEEE Wireless Communications*, **2017**, 24, 98-105	13.4	580
39	Energy Efficient Dynamic Resource Allocation in NOMA Networks **2017**,		5
38	Energy-efficient resource scheduling for NOMA systems with imperfect channel state information **2017**,		15
37	Network Slicing Based 5G and Future Mobile Networks: Mobility, Resource Management, and Challenges. *IEEE Communications Magazine*, **2017**, 55, 138-145	9.1	431
36	An Adaptive Handover Trigger Strategy for 5G C/U Plane Split Heterogeneous Network **2017**,		5

35	Contract Design for Traffic Offloading and Resource Allocation in Heterogeneous Ultra-Dense Networks. *IEEE Journal on Selected Areas in Communications*, **2017**, 35, 2457-2467	14.2	87
34	Energy Efficient User Association and Power Allocation in Millimeter-Wave-Based Ultra Dense Networks With Energy Harvesting Base Stations. *IEEE Journal on Selected Areas in Communications*, **2017**, 35, 1936-1947	14.2	275
33	Sensing Time Optimization and Power Control for Energy Efficient Cognitive Small Cell With Imperfect Hybrid Spectrum Sensing. *IEEE Transactions on Wireless Communications*, **2017**, 16, 730-743	9.6	102
32	Fog Radio Access Networks: Mobility Management, Interference Mitigation, and Resource Optimization. *IEEE Wireless Communications*, **2017**, 24, 120-127	13.4	91
31	Joint User Scheduling and Power Allocation Optimization for Energy-Efficient NOMA Systems With Imperfect CSI. *IEEE Journal on Selected Areas in Communications*, **2017**, 35, 2874-2885	14.2	168
30	Energy-Efficient Resource Allocation in Heterogeneous Small Cell Networks with WiFi Spectrum Sharing **2017**,		4
29	Backhaul-Aware User Association and Resource Allocation for Massive MIMO-Enabled HetNets. *IEEE Communications Letters*, **2017**, 21, 2710-2713	3.8	19
28	Data Transaction Modeling in Mobile Networks: Contract Mechanism and Performance Analysis **2017**,		10
27	Resource Allocation in Software Defined Fog Vehicular Networks **2017**,		4
26	Resource Allocation in Spectrum-Sharing Cognitive Heterogeneous Networks **2017**, 1-46		
25	. *IEEE Transactions on Industrial Informatics*, **2016**, 12, 1714-1725	11.9	106
24	. *IEEE Transactions on Communications*, **2016**, 64, 3722-3732	6.9	310
23	**2016**,		19
22	Compressive network coding for wireless sensor networks: Spatio-temporal coding and optimization design. *Computer Networks*, **2016**, 108, 345-356	5.4	30
21	Fuzzy layered physical cell identities assignment in heterogeneous and small cell networks. *Electronics Letters*, **2016**, 52, 879-881	1.1	4
20	Interference-Limited Resource Optimization in Cognitive Femtocells With Fairness and Imperfect Spectrum Sensing. *IEEE Transactions on Vehicular Technology*, **2016**, 65, 1761-1771	6.8	194
19	Self-organization in disaster-resilient heterogeneous small cell networks. *IEEE Network*, **2016**, 30, 116-121	11.4	49
18	Joint Optimization of Quality of Experience and Power Consumption in OFDMA Multicell Networks. *IEEE Communications Letters*, **2016**, 20, 380-383	3.8	12

17	Delay-Optimal Virtualized Radio Resource Scheduling in Software-Defined Vehicular Networks via Stochastic Learning. *IEEE Transactions on Vehicular Technology*, **2016**, 65, 7857-7867	6.8	95
16	Energy Efficient Joint User Association and Power Allocation in a Two-Tier Heterogeneous Network **2016**,		14
15	Resource Allocation in SWIPT Enabled Heterogeneous Cloud Small Cell Networks with Incomplete CSI **2016**,		12
14	Fronthauling for 5G LTE-U Ultra Dense Cloud Small Cell Networks. *IEEE Wireless Communications*, **2016**, 23, 48-53	13.4	175
13	. *IEEE Transactions on Vehicular Technology*, **2016**, 65, 9479-9492	6.8	31
12	Pricing equilibrium for data redistribution market in wireless networks with matching methodology **2015**,		1
11	Cooperative interference mitigation and handover management for heterogeneous cloud small cell networks. *IEEE Wireless Communications*, **2015**, 22, 92-99	13.4	137
10	Hybrid Spectrum Sensing Based Power Control for Energy Efficient Cognitive Small Cell Network **2015**,		6
9	Coexistence of Wi-Fi and heterogeneous small cell networks sharing unlicensed spectrum **2015**, 53, 158-164		288
8	Resource Allocation for Cognitive Small Cell Networks: A Cooperative Bargaining Game Theoretic Approach. *IEEE Transactions on Wireless Communications*, **2015**, 14, 3481-3493	9.6	265
7	. *IEEE Transactions on Communications*, **2014**, 62, 2366-2377	6.9	272
6	Energy-efficient non-cooperative cognitive radio networks: micro, meso, and macro views **2014**, 52, 14-20		71
5	Node Energy Consumption Analysis in Wireless Sensor Networks **2014**,		8
4	Cooperative bargaining resource allocation for cognitive small cell networks **2014**,		1
3	Energy-efficient power allocation with QoS provisioning in OFDMA femtocell networks **2014**,		3
2	Game Theory Based Energy-Aware Uplink Resource Allocation in OFDMA Femtocell Networks. *International Journal of Distributed Sensor Networks*, **2014**, 10, 658158	1.7	5
1	Mobility robustness optimization in self-organizing LTE femtocell networks. *Eurasip Journal on Wireless Communications and Networking*, **2013**, 2013,	3.2	19