Hong Ji

List of Publications by Year
in descending order

155 papers	3,874 citations	236612 25 h-index	149479 56 g-index
155 all docs	155 docs citations	155 times ranked	3555 citing authors

#	Article	IF	Citations
1	In-Band Full-Duplex Relaying: A Survey, Research Issues and Challenges. IEEE Communications Surveys and Tutorials, 2015, 17, 500-524.	24.8	427
2	Enabling Massive IoT Toward 6G: A Comprehensive Survey. IEEE Internet of Things Journal, 2021, 8, 11891-11915.	5.5	282
3	Energy-Efficient Resource Allocation for Heterogeneous Cognitive Radio Networks with Femtocells. IEEE Transactions on Wireless Communications, 2012, 11, 3910-3920.	6.1	208
4	An Efficient Computation Offloading Management Scheme in the Densely Deployed Small Cell Networks With Mobile Edge Computing. IEEE/ACM Transactions on Networking, 2018, 26, 2651-2664.	2.6	203
5	Mobile Edge Computing Empowered Energy Efficient Task Offloading in 5G. IEEE Transactions on Vehicular Technology, 2018, 67, 6398-6409.	3.9	188
6	Green Full-Duplex Self-Backhaul and Energy Harvesting Small Cell Networks With Massive MIMO. IEEE Journal on Selected Areas in Communications, 2016, 34, 3709-3724.	9.7	178
7	Blockchain and Machine Learning for Communications and Networking Systems. IEEE Communications Surveys and Tutorials, 2020, 22, 1392-1431.	24.8	167
8	Adaptive Resource Allocation in Future Wireless Networks With Blockchain and Mobile Edge Computing. IEEE Transactions on Wireless Communications, 2020, 19, 1689-1703.	6.1	123
9	Cross-Layer Design for TCP Performance Improvement in Cognitive Radio Networks. IEEE Transactions on Vehicular Technology, 2010, 59, 2485-2495.	3.9	109
10	Distributed Resource Allocation and Computation Offloading in Fog and Cloud Networks With Non-Orthogonal Multiple Access. IEEE Transactions on Vehicular Technology, 2018, 67, 12137-12151.	3.9	105
11	A Distributed Computation Offloading Strategy in Small-Cell Networks Integrated With Mobile Edge Computing. IEEE/ACM Transactions on Networking, 2018, 26, 2762-2773.	2.6	99
12	Combinational Auction-Based Service Provider Selection in Mobile Edge Computing Networks. IEEE Access, 2017, 5, 13455-13464.	2.6	90
13	Virtual Resource Allocation for Heterogeneous Services in Full Duplex-Enabled SCNs With Mobile Edge Computing and Caching. IEEE Transactions on Vehicular Technology, 2018, 67, 1794-1808.	3.9	75
14	Decentralized Resource Allocation for Video Transcoding and Delivery in Blockchain-Based System With Mobile Edge Computing. IEEE Transactions on Vehicular Technology, 2019, 68, 11169-11185.	3.9	75
15	Distributed Virtual Resource Allocation in Small-Cell Networks With Full-Duplex Self-Backhauls and Virtualization. IEEE Transactions on Vehicular Technology, 2016, 65, 5410-5423.	3.9	68
16	Energy-Efficient Resource Allocation for Heterogeneous Services in OFDMA Downlink Networks: Systematic Perspective. IEEE Transactions on Vehicular Technology, 2014, 63, 2071-2082.	3.9	66
17	Grouping and Cooperating Among Access Points in User-Centric Ultra-Dense Networks With Non-Orthogonal Multiple Access. IEEE Journal on Selected Areas in Communications, 2017, 35, 2295-2311.	9.7	62
18	An Adaptive Wireless Virtual Reality Framework in Future Wireless Networks: A Distributed Learning Approach. IEEE Transactions on Vehicular Technology, 2020, 69, 8514-8528.	3.9	59

#	Article	IF	Citations
19	Computation offloading considering fronthaul and backhaul in small-cell networks integrated with MEC. , 2017, , .		50
20	Federated Offloading Scheme to Minimize Latency in MEC-Enabled Vehicular Networks. , 2018, , .		49
21	Optimal network selection in heterogeneous wireless multimedia networks. Wireless Networks, 2010, 16, 1277-1288.	2.0	45
22	Utility-Based Multi-Service Bandwidth Allocation in the 4G Heterogeneous Wireless Access Networks. , 2009, , .		41
23	Identification of XBP1-u as a novel regulator of the MDM2/p53 axis using an shRNA library. Science Advances, 2017, 3, e1701383.	4.7	38
24	Optimal Resource Allocation for RF-Powered Underlay Cognitive Radio Networks With AmbientÂBackscatter Communication. IEEE Transactions on Vehicular Technology, 2020, 69, 15216-15228.	3.9	38
25	Joint Optimization of Caching and Association in Energy-Harvesting-Powered Small-Cell Networks. IEEE Transactions on Vehicular Technology, 2018, 67, 6469-6480.	3.9	36
26	Energy-efficient spectrum sharing and power allocation in cognitive radio femtocell networks. , 2012, , .		35
27	Energy-Efficient Sub-Carrier and Power Allocation in Cloud-Based Cellular Network With Ambient RF Energy Harvesting. IEEE Access, 2017, 5, 1340-1352.	2.6	32
28	Distributed sender scheduling for multimedia transmission in wireless mobile peer-to-peer networks. IEEE Transactions on Wireless Communications, 2009, 8, 4594-4603.	6.1	31
29	Modeling and Optimizing the LTE Discontinuous Reception Mechanism Under Self-Similar Traffic. IEEE Transactions on Vehicular Technology, 2016, 65, 5595-5610.	3.9	30
30	Energy-efficient resource allocation in full-duplex relaying networks. , 2014, , .		27
31	Distributed Best-Relay Selection for Improving TCP Performance Over Cognitive Radio Networks: A Cross-Layer Design Approach. IEEE Journal on Selected Areas in Communications, 2012, 30, 315-322.	9.7	25
32	Echo State Network for Fast Channel Prediction in Ricean Fading Scenarios. IEEE Communications Letters, 2017, 21, 672-675.	2.5	25
33	Virtual Resource Management in Green Cellular Networks With Shared Full-Duplex Relaying and Wireless Virtualization: A Game-Based Approach. IEEE Transactions on Vehicular Technology, 2016, 65, 7529-7542.	3.9	23
34	A D2D-Assisted MEC Computation Offloading in the Blockchain-Based Framework for UDNs. , 2019, , .		23
35	Exploiting Intelligent Reflecting Surface for Energy Efficiency in Ambient Backscatter Communication-Enabled NOMA Networks. IEEE Transactions on Green Communications and Networking, 2022, 6, 163-174.	3.5	22
36	Modeling 3GPP LTE Advanced DRX Mechanism Under Multimedia Traffic. IEEE Communications Letters, 2014, 18, 1238-1241.	2.5	21

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37	Optimal channel access for TCP performance improvement in cognitive radio networks. Wireless Networks, 2011, 17, 479-492.	2.0	20
38	User Matching on Blockchain for Computation Offloading in Ultra-Dense Wireless Networks. IEEE Transactions on Network Science and Engineering, 2021, 8, 1167-1177.	4.1	19
39	Distributed Resource Management for Blockchain in Fog-Enabled IoT Networks. IEEE Internet of Things Journal, 2021, 8, 2330-2341.	5.5	19
40	A Sleeping Mechanism for Cache-Enabled Small Cell Networks With Energy Harvesting Function. IEEE Transactions on Green Communications and Networking, 2020, 4, 497-505.	3.5	19
41	Decentralized Computation Offloading in Mobile Edge Computing Empowered Small-Cell Networks. , 2017, , .		18
42	A Novel Multi-Relay Selection and Power Allocation Optimization Scheme in Cooperative Networks. , 2010, , .		17
43	Joint Access Selection and Resource Allocation in Cache-Enabled HCNs with D2D Communications. , 2017, , .		17
44	Distributed Resource Allocation and Computation Offloading Scheme for Cognitive Mobile Edge Computing Networks with NOMA. , 2018, , .		16
45	Dynamic Spectrum Access with QoS Provisioning in Cognitive Radio Networks. , 2010, , .		15
46	Load-aware dynamic biasing cell association in small cell networks. , 2014, , .		15
47	Dynamic Offloading Scheduling Scheme for MEC-enabled Vehicular Networks. , 2018, , .		15
48	XBP1-s promotes colorectal cancer cell proliferation by inhibiting TAp73 transcriptional activity. Biochemical and Biophysical Research Communications, 2019, 508, 203-209.	1.0	15
49	Transaction Throughput Optimization for Integrated Blockchain and MEC System in IoT. IEEE Transactions on Wireless Communications, 2022, 21, 1022-1036.	6.1	15
50	Dynamic Channel and Power Allocation in Cognitive Radio Networks Supporting Heterogeneous Services. , 2010, , .		14
51	Optimizing the LTE Discontinuous Reception Mechanism Under Self-Similar Traffic. IEEE Transactions on Vehicular Technology, 2015, 64, 5904-5918.	3.9	14
52	Layered Adaptive Modulation and Coding for 4G Wireless Networks. , 2010, , .		13
53	Radio admission control scheme for high-speed railway communication with MIMO antennas. , 2012, , .		13
54	Distributed Power Allocation Scheme for Multi-Relay Shared-Bandwidth (MRSB) Wireless Cooperative Communication. IEEE Communications Letters, 2012, 16, 1263-1265.	2.5	13

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55	Joint User Association and Downlink Beamforming for Green Cloud-RANs with Limited Fronthaul. , 2016, , .		13
56	A full-duplex self-backhaul scheme for small cell networks with massive MIMO. , 2016, , .		13
57	Resource Allocation for Video Transcoding and Delivery Based on Mobile Edge Computing and Blockchain. , 2018, , .		13
58	Layered Fault Management Scheme for End-to-end Transmission in Internet of Things. Mobile Networks and Applications, 2013, 18, 195-205.	2.2	12
59	Joint Access and Resource Management for Delay-Sensitive Transcoding in Ultra-Dense Networks with Mobile Edge Computing. , 2018, , .		12
60	Distributed Multisource Transmission in Wireless Mobile Peer-to-Peer Networks: A Restless-Bandit Approach. IEEE Transactions on Vehicular Technology, 2010, 59, 420-430.	3.9	11
61	An Energy-Efficient Distributed Relay Selection and Power Allocation Optimization Scheme over Wireless Cooperative Networks. , 2011, , .		11
62	The Requirement of the C-Terminal Domain of GluA1 in Different Forms of Long-Term Potentiation in the Hippocampus Is Age-Dependent. Frontiers in Synaptic Neuroscience, 2020, 12, 588785.	1.3	11
63	Optimal distributed relay selection in underlay cognitive radio networks: An energy-efficient design approach. , 2011, , .		10
64	Joint power allocation and beamforming with users selection for cognitive radio networks via discrete stochastic optimization. Wireless Networks, 2012, 18, 481-493.	2.0	10
65	Energy-Efficient Communications in Unmanned Aerial Relaying Systems. IEEE Transactions on Network Science and Engineering, 2021, 8, 2780-2791.	4.1	10
66	Access Point Selection for WLANs with Cognitive Radio: A Restless Bandit Approach. , 2011, , .		9
67	Collaborative spectrum sensing in multi-channel cognitive networks: A coalition game approach. , 2012, , .		9
68	Interference Management and Power Allocation for Energy-Efficient Cognitive Femtocell Networks. Mobile Networks and Applications, 2013, 18, 578-590.	2.2	9
69	MA-Chord: A New Approach for Mobile Ad Hoc Network with DHT Based Unicast Scheme. , 2007, , .		8
70	IEEE 802.11 DCF PSM Model and a Novel Downlink Access Scheme. , 2008, , .		8
71	A novel spectrum handoff management scheme based on SVM in cognitive radio networks. , 2011, , .		8
72	Wideband spectrum sensing scheme in cognitive radio networks with multiple primary networks. , 2011, , .		7

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73	Coalition Graph Game for joint relay selection and resource allocation in cooperative cognitive radio networks. , 2012, , .		7
74	Green cell association for multimedia transmission in cognitive heterogeneous networks. International Journal of Communication Systems, 2013, 26, 530-548.	1.6	7
75	Joint power and spectrum allocation in multi-hop cognitive radio networks. Journal of China Universities of Posts and Telecommunications, 2014, 21, 9-14.	0.8	7
76	Pricing, Caching Selection, and Content Delivery in Wireless Networks: A Hierarchical Approach. , 2017, , .		7
77	Virtual resource allocation for heterogeneous services in full duplex-enabled small cell networks with cache and MEC. , 2017, , .		7
78	Mobility Prediction Scheme for Optimized Load Balance in Heterogeneous Networks. , 2018, , .		7
79	Optimal Channel Access for TCP Performance Improvement in Cognitive Radio Networks: A Cross-Layer Design Approach. , 2009, , .		6
80	Channel assignment with fairness for multi-AP WLAN based on distributed coordination function. , 2011, , .		6
81	A cross-layer admission control scheme for high-speed railway communication system. , 2013, , .		6
82	Energy harvesting small cell networks with full-duplex self-backhaul and massive MIMO. , 2016, , .		6
83	Task Allocation for Multi-APs with Mobile Edge Computing. , 2018, , .		6
84	Computation offloading balance in small cell networks with mobile edge computing. Wireless Networks, 2019, 25, 4133-4145.	2.0	6
85	Joint Computation Offloading and Service Caching for MEC in Multi-access Networks. , 2019, , .		6
86	Thermal cross‐linking and anti‐meltdrop properties of copolyester containing phosphorus/magnesium salt composites by in situ polymerization. Journal of Vinyl and Additive Technology, 2021, 27, 432-444.	1.8	6
87	Energy-efficient cross-layer enhancement of multimedia transmissions over cognitive radio relay networks. , 2011, , .		5
88	Multidimensional resource allocation strategy for high-speed railway MIMO-OFDM system. , 2012, , .		5
89	Energy-efficient collaborative scheme for compressed sensing-based spectrum detection in cognitive radio networks. , 2012, , .		5
90	Sum rate maximization antenna selection via discrete stochastic approximation in MIMO two-way AF relay with imperfect CSI. , 2012, , .		5

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91	An energy efficiency power and sub-carrier allocation for the downlink multi-user CoMP in multi-cell systems. , 2012, , .		5
92	Green Access Point Selection for Wireless Local Area Networks Enhanced by Cognitive Radio. Mobile Networks and Applications, 2013, 18, 553-566.	2.2	5
93	Joint resource allocation with QoS provisioning in K-tier heterogeneous cellular networks. Journal of China Universities of Posts and Telecommunications, 2013, 20, 15-20.	0.8	5
94	Energy efficient transmission in relay-based cooperative networks using auction game. , 2013, , .		5
95	Energy-efficient resource allocation in shared full-duplex relaying cellular networks. , 2014, , .		5
96	Moore state machine for adaptive modulation and coding in highâ€speed railway LTEâ€R systems. Electronics Letters, 2016, 52, 776-778.	0.5	5
97	Joint Resource Allocation in Cache-Enabled Small Cell Networks with Massive MIMO and Full Duplex. , 2017, , .		5
98	Realization of Topology Awareness in Peer-to-Peer Wireless Network. , 2009, , .		4
99	Optimal Joint Power and Transmission Time Allocation in Cognitive Radio Networks. , 2010, , .		4
100	A novel joint transmission and caching optimizing scheme in multirelay networks: Video service quality assurance scheme. International Journal of Communication Systems, 2017, 30, e3284.	1.6	4
101	Hybrid Cooperative Caching Based IoT Network Considering the Data Cold Start. , 2021, , .		4
102	A Family of Hybrid Precoding Schemes for Millimeter-Wave Massive MIMO Systems. IEEE Systems Journal, 2022, 16, 4881-4891.	2.9	4
103	Spring model-based call admission control mechanism for high-speed railway environment. , 2011, , .		3
104	Secondary user access based on stochastic link estimation in cognitive radio with fibreâ€connected distributed antennas. IET Communications, 2013, 7, 731-737.	1.5	3
105	An interference-mitigation channel allocation algorithm for energy-efficient femtocell networks. , 2014, , .		3
106	DRX-aware transmission policy for time varying channels with delay constraint. , 2014, , .		3
107	Admission control scheme for handover service in high-speed train communication system. Journal of Shanghai Jiaotong University (Science), 2015, 20, 670-675.	0.5	3
108	Multiple resource allocation in deviceâ€toâ€device communication underlaying cellular networks from an endâ€toâ€end energyâ€efficient perspective. IET Communications, 2015, 9, 1208-1220.	1.5	3

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109	Mobility Prediction Method to Optimize Resource Allocation in Heterogeneous Networks. , 2019, , .		3
110	Optimization of Trajectory Scheduling and Time Allocation in UAV-assisted Backscatter Communication. , 2021, , .		3
111	An Energy-aware Geographical Routing Protocol in Wireless Sensor Networks. , 2006, , .		2
112	BF-Chord: An Improved Lookup Protocol to Chord Based on Bloom Filter for Wireless P2P. , 2009, , .		2
113	Distributed best-relay node selection in underlay cognitive radio networks: A restless bandits approach. , 2011, , .		2
114	Optimal Joint Transmission Time and Power Allocation for Heterogeneous Cognitive Radio Networks. , 2011, , .		2
115	Distributed Optimal Relay Selection for Improving TCP Throughput over Cognitive Radio Networks: A Cross-Layer Design Approach. , 2011, , .		2
116	RAU allocation for secondary users in cognitive WLAN over Fiber system: A HMM approach. , 2012, , .		2
117	Centralized compressed sensing with structurally random matrix in cognitive WLAN over fiber. , 2013, , .		2
118	A distributed power allocation scheme in green cognitive radio ad hoc networks. Journal of Shanghai Jiaotong University (Science), 2015, 20, 195-201.	0.5	2
119	An Energy-Efficient Sleep Management Algorithm for UDN with Edge Caching. , 2017, , .		2
120	Energy-Efficient Mobile Edge Computing System Based on Full-Duplex Energy Harvesting Relay Network. , 2020, , .		2
121	Distributed Architecture with Control Scheme and Status-Aware Routing Protocol for QoS Support in MANETs. IEEE Vehicular Technology Conference, 2008, , .	0.2	1
122	Distributed Sender Scheduling for Multimedia Transmission in Wireless Peer-to-Peer Networks. , 2008, , .		1
123	VCG Auction Based Hierarchical Bandwidth Sharing Scheme for Integrated Heterogeneous Networks. , 2009, , .		1
124	TCP-aware cross-layer design in cognitive radio networks. , 2009, , .		1
125	A Novel Spectrum Borrowing Scheme between Heterogeneous Networks. , 2010, , .		1
126	A distributed cooperative relaying optimization scheme for secondary transmission in Cognitive Radio networks. Journal of Electronics, 2011, 28, 8-14.	0.2	1

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127	QoS Oriented Cross-Layer Design for Improving Multimedia Transmissions over Cooperative Relaying Networks. , 2011, , .		1
128	Green cellular networks based on accumulation with accumulative broadcast algorithms. , 2011, , .		1
129	Layered fault management scheme for end-to-end transmission in internet of things. , 2011, , .		1
130	Buffer-aware resource scheduling scheme for LTE-A uplink relay-assisted network. Journal of China Universities of Posts and Telecommunications, 2013, 20, 30-35.	0.8	1
131	Multi-user selection based on particle swarm optimization and power control scheme in the uplink CoMP-MU-MIMO system. Journal of China Universities of Posts and Telecommunications, 2013, 20, 79-84.	0.8	1
132	Noisy chaotic neural network for resource allocation in high-speed train OFDMA system. Transactions of Tianjin University, 2014, 20, 368-374.	3.3	1
133	Transmission control protocol performance enhancement for mobile broadband interactive satellite communication system: a cross‐layer approach. International Journal of Satellite Communications and Networking, 2015, 33, 119-133.	1.2	1
134	High quality guarantee for video streaming in massive MIMO relay networks with caching. , 2016, , .		1
135	A QoS‐aware green cooperative compressed sensing scheme in IEEE 802.22 WRAN. International Journal of Communication Systems, 2017, 30, e2890.	1.6	1
136	Energy-Efficient Resource Allocation in Cellular Network with Ambient RF Energy Harvesting. , 2017, , .		1
137	A truthful content auction scheme for distributee content delivery in ultra-dense networks. , 2017, , .		1
138	An Energy-Aware Sleeping Mechanism in Cache-Enabled Heterogeneous Small Cell Networks. , 2019, , .		1
139	UAV-Assisted Cellular Communication: Joint Trajectory and Coverage Optimization. , 2021, , .		1
140	A cross-layer scheme to improve TCP performance in UMTS with packet scheduling. , 0, , .		0
141	MTIM for IEEE 802.11 DCF power saving mode. , 2007, , .		0
142	Bi-Dimensional P2P and MRBD Protocols to Enhance Lookup Performance. , 2008, , .		0
143	A Framework Design for Communication Software of Heterogeneous Wireless Network Terminal. , 2009, , .		0
144	A topology-aware peer-to-peer protocol applicable to wireless network. , 2009, , .		0

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145	Subcarrier and power allocation in cognitive OFDM systems under imperfect CSI with smart channel estimation. , 2010, , .		0
146	Optimal Capacity in Underlay Paradigm Based Cognitive Radio Network with Cooperative Transmission. , 2010, , .		0
147	Dynamic Resource Allocation for Heterogeneous Services in Cognitive Radio Networks with Imperfect Channel Sensing. , 2011, , .		0
148	Joint Power Allocation and Beamforming with Users Selection for Cognitive Radio Networks via Discrete Stochastic Optimization. , 2011, , .		0
149	Modeling and analysis of dynamic spectrum allocation in high-speed railways. , 2011, , .		0
150	Outage Capacity Optimization for Cognitive Radio Networks with Cooperative Transmissions via Discrete Stochastic Optimization. , 2011, , .		0
151	A novel energy management scheme based on Best-response dynamics game in cognitive radio Ad hoc networks. , 2012, , .		0
152	Distributed cooperative spectrum sensing for cognitive radio networks. , 2012, , .		0
153	Joint antenna and power allocation scheme for massive MIMO relaying network. , 2016, , .		0
154	Task Scheduling for Mobile Edge Computing with Multiple Links. , 2019, , .		0
155	Access Points Grouping Scheme with Energy and Time Allocation in EH-based UDN. , 2021, , .		0