

Jun Cai

List of Publications by Year in descending order

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304743

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times ranked

1595
citing authors

#	ARTICLE	IF	CITATIONS
1	A Multi-User Mobile Computation Offloading and Transmission Scheduling Mechanism for Delay-Sensitive Applications. IEEE Transactions on Mobile Computing, 2020, 19, 29-43.	5.8	138
2	Distributed Multiuser Computation Offloading for Cloudlet-Based Mobile Cloud Computing: A Game-Theoretic Machine Learning Approach. IEEE Transactions on Vehicular Technology, 2018, 67, 752-764.	6.3	132
3	Two-Stage Spectrum Sharing With Combinatorial Auction and Stackelberg Game in Recall-Based Cognitive Radio Networks. IEEE Transactions on Communications, 2014, 62, 3740-3752.	7.8	74
4	An Incentive Mechanism Integrating Joint Power, Channel and Link Management for Social-Aware D2D Content Sharing and Proactive Caching. IEEE Transactions on Mobile Computing, 2018, 17, 789-802.	5.8	68
5	Content in Motion: An Edge Computing Based Relay Scheme for Content Dissemination in Urban Vehicular Networks. IEEE Transactions on Intelligent Transportation Systems, 2019, 20, 3115-3128.	8.0	68
6	An Online Incentive Mechanism for Collaborative Task Offloading in Mobile Edge Computing. IEEE Transactions on Wireless Communications, 2020, 19, 624-636.	9.2	59
7	Multi-Item Spectrum Auction for Recall-Based Cognitive Radio Networks With Multiple Heterogeneous Secondary Users. IEEE Transactions on Vehicular Technology, 2015, 64, 781-792.	6.3	49
8	Joint Resource Allocation for Device-to-Device Communication Assisted Fog Computing. IEEE Transactions on Mobile Computing, 2021, 20, 1076-1091.	5.8	49
9	A Truthful Mechanism for Scheduling Delay-Constrained Wireless Transmissions in IoT-Based Healthcare Networks. IEEE Transactions on Wireless Communications, 2019, 18, 912-925.	9.2	47
10	An Improved Coalition Game Approach for MIMO-NOMA Clustering Integrating Beamforming and Power Allocation. IEEE Transactions on Vehicular Technology, 2019, 68, 1672-1687.	6.3	40
11	An Incentive-Compatible Mechanism for Transmission Scheduling of Delay-Sensitive Medical Packets in E-Health Networks. IEEE Transactions on Mobile Computing, 2016, 15, 2424-2436.	5.8	38
12	D2D-Assisted Multi-User Cooperative Partial Offloading, Transmission Scheduling and Computation Allocating for MEC. IEEE Transactions on Wireless Communications, 2021, 20, 4858-4873.	9.2	38
13	Joint Beamforming, Power, and Channel Allocation in Multiuser and Multichannel Underlay MISO Cognitive Radio Networks. IEEE Transactions on Vehicular Technology, 2016, 65, 3349-3359.	6.3	37
14	Transboundary Water Policies: Assessment, Comparison and Enhancement. Water Resources Management, 2008, 22, 1069-1087.	3.9	35
15	Two-Side Coalitional Matching Approach for Joint MIMO-NOMA Clustering and BS Selection in Multi-Cell MIMO-NOMA Systems. IEEE Transactions on Wireless Communications, 2020, 19, 2006-2021.	9.2	35
16	A Game Theoretic Scheme for Optimal Access Control in Heterogeneous Vehicular Networks. IEEE Transactions on Intelligent Transportation Systems, 2019, 20, 4590-4603.	8.0	34
17	Transmission Management of Delay-Sensitive Medical Packets in Beyond Wireless Body Area Networks: A Queuing Game Approach. IEEE Transactions on Mobile Computing, 2018, 17, 2209-2222.	5.8	33
18	Spectrum Auction for Differential Secondary Wireless Service Provisioning With Time-Dependent Valuation Information. IEEE Transactions on Wireless Communications, 2017, 16, 206-220.	9.2	31

#	ARTICLE	IF	CITATIONS
19	Ascending-Price Progressive Spectrum Auction for Cognitive Radio Networks With Power-Constrained Multiradio Secondary Users. IEEE Transactions on Vehicular Technology, 2018, 67, 781-794.	6.3	30
20	Distributed Cooperative Multi-Channel Spectrum Sensing Based on Dynamic Coalitional Game. , 2010, , .		26
21	A Priority-Aware Truthful Mechanism for Supporting Multi-Class Delay-Sensitive Medical Packet Transmissions in E-Health Networks. IEEE Transactions on Mobile Computing, 2017, 16, 2422-2435.	5.8	25
22	Combinatorial spectrum auction with multiple heterogeneous sellers in cognitive radio networks. , 2014, , .		23
23	Priority-aware pricing-based capacity sharing scheme for beyond-wireless body area networks. Computer Networks, 2016, 98, 29-43.	5.1	23
24	Distributed Opportunistic Spectrum Access in an Unknown and Dynamic Environment: A Stochastic Learning Approach. IEEE Transactions on Vehicular Technology, 2018, 67, 4454-4465.	6.3	22
25	Online Adaptive Transmission Strategy for Buffer-Aided Cooperative NOMA Systems. IEEE Transactions on Mobile Computing, 2019, 18, 1133-1144.	5.8	21
26	A Queueing Game Based Management Framework for Fog Computing With Strategic Computing Speed Control. IEEE Transactions on Mobile Computing, 2022, 21, 1537-1551.	5.8	21
27	An Online Incentive Mechanism for Crowdsensing With Random Task Arrivals. IEEE Internet of Things Journal, 2020, 7, 2982-2995.	8.7	19
28	Deep reinforcement learning-based multitask hybrid computing offloading for multiaccess edge computing. International Journal of Intelligent Systems, 2022, 37, 6221-6243.	5.7	19
29	Workload Re-Allocation for Edge Computing With Server Collaboration: A Cooperative Queueing Game Approach. IEEE Transactions on Mobile Computing, 2023, 22, 3095-3111.	5.8	18
30	A Sequential Posted Price Mechanism for D2D Content Sharing Communications. , 2016, , .		17
31	Deep Reinforcement Learning-Based Multidimensional Resource Management for Energy Harvesting Cognitive NOMA Communications. IEEE Transactions on Communications, 2022, 70, 3110-3125.	7.8	17
32	Efficiency of urban water supply under carbon emission constraints in China. Sustainable Cities and Society, 2022, 85, 104040.	10.4	17
33	Performance Analysis of Blockchain-Enabled Data-Sharing Scheme in Cloud-Edge Computing-Based IoT Networks. IEEE Internet of Things Journal, 2022, 9, 21520-21536.	8.7	14
34	Joint Connection Admission Control and Packet Scheduling in a Cognitive Radio Network with Spectrum Underlay. IEEE Transactions on Wireless Communications, 2011, 10, 3852-3863.	9.2	13
35	Online spectrum auction in cognitive radio networks with uncertain activities of primary users. , 2015, , .		13
36	Dynamic Load-Balancing Spectrum Decision for Heterogeneous Services Provisioning in Multi-Channel Cognitive Radio Networks. IEEE Transactions on Wireless Communications, 2017, 16, 5911-5924.	9.2	13

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37	Delay-Dependent Priority-Aware Transmission Scheduling for E-Health Networks: A Mechanism Design Approach. IEEE Transactions on Vehicular Technology, 2019, 68, 6997-7010.	6.3	13
38	Joint Online Optimization of Data Sampling Rate and Preprocessing Mode for Edge-Cloud Collaboration-Enabled Industrial IoT. IEEE Internet of Things Journal, 2022, 9, 16402-16417.	8.7	13
39	Deep Reinforcement Learning Based Dynamic User Access and Decode Order Selection for Uplink NOMA System With Imperfect SIC. IEEE Wireless Communications Letters, 2021, 10, 710-714.	5.0	11
40	Performance analysis of cognitive radio networks with channel assembling and imperfect sensing. , 2012, , .		10
41	OPNET-based modeling and simulation of mobile Zigbee sensor networks. Peer-to-Peer Networking and Applications, 2016, 9, 414-423.	3.9	10
42	Joint User Association and Power Allocation for Hybrid Half-Duplex/Full-Duplex Relaying in Cellular Networks. IEEE Systems Journal, 2019, 13, 1145-1156.	4.6	9
43	Relay selection for average throughput maximization in buffer-aided relay networks. , 2015, , .		8
44	Queueing analysis for medical data transmissions with delay-dependent packet priorities in WBANs. , 2016, , .		8
45	Topology Control for Guaranteed Connectivity Provisioning in Heterogeneous Sensor Networks. IEEE Sensors Journal, 2016, 16, 5060-5071.	4.7	8
46	Low-Complexity Priority-Aware Interference-Avoidance Scheduling for Multi-user Coexisting Wireless Networks. IEEE Transactions on Wireless Communications, 2018, 17, 112-126.	9.2	8
47	Energy-efficient base station control with dynamic clustering in cellular network. , 2013, , .		6
48	Efficient MIMO-NOMA Clustering Integrating Joint Beamforming and Power Allocation. , 2017, , .		6
49	Outage Performance of CDF-Based Scheduling in Downlink and Uplink NOMA Systems. IEEE Transactions on Vehicular Technology, 2020, 69, 14945-14959.	6.3	6
50	Receiver-Aided Spectrum Sensing Scheme with Spatial Differentiation in OFDM Based Cognitive Radio Networks. , 2010, , .		5
51	Effects of Correlated Shadowing on Soft Decision Fusion in Cooperative Spectrum Sensing. , 2010, , .		5
52	A pilot-aided detector for spectrum sensing of Digital Video Broadcasting Terrestrial signals in cognitive radio networks. Wireless Communications and Mobile Computing, 2013, 13, 1177-1191.	1.2	5
53	Secure cooperative multi-channel spectrum sensing in cognitive radio networks. , 2011, , .		4
54	A Truthful Mechanism for Prioritized Medical Packet Transmissions in Beyond-WBANs. , 2016, , .		4

#	ARTICLE	IF	CITATIONS
55	A Computation Offloading Game for Jointly Managing Local Pre-Processing Time-Length and Priority Selection in Edge Computing. IEEE Transactions on Vehicular Technology, 2022, 71, 9868-9883.	6.3	4
56	Distributed Routing Schemes with Accessibility Consideration in Multi-Hop Wireless Networks. IEEE Transactions on Wireless Communications, 2010, 9, 3178-3188.	9.2	3
57	Low complexity construction for quasi-cyclic low-density parity-check codes by Progressive-Block Growth. Science China Information Sciences, 2011, 54, 371-380.	4.3	3
58	Topology control for heterogeneous connectivity requirements to sink in M2M networks. , 2013, , .		3
59	Priority-aware scheduling for coexisting wireless body area networks (invited paper). , 2015, , .		3
60	An Analytical Framework for IEEE 802.15.6-Based Wireless Body Area Networks With Instantaneous Delay Constraints and Shadowing Interruptions. IEEE Transactions on Vehicular Technology, 2018, 67, 6355-6369.	6.3	3
61	An Online Mechanism for Crowdsensing with Uncertain Task Arriving. , 2018, , .		3
62	A Truthful Mechanism for Delay-Dependent Prioritized Medical Packet Transmission Scheduling. , 2018, , .		3
63	A Queueing Game Approach for Fog Computing with Strategic Computing Speed Control. , 2019, , .		3
64	Computation Offloading Game for Edge Computing with Strategic Local Pre-Processing Time-Length. , 2020, , .		3
65	Nonlinear Online Incentive Mechanism Design in Edge Computing Systems With Energy Budget. IEEE Transactions on Mobile Computing, 2023, 22, 4086-4102.	5.8	3
66	Performance Analysis for Polling Service in IEEE 802.16 Networks Under PMP Mode. , 2008, , .		2
67	An Improvement on the Soft Reliability-Based Iterative Majority-Logic Decoding Algorithm for LDPC Codes. , 2010, , .		2
68	Admission Control and Packet Scheduling in a Cognitive Radio Network with Spectrum Underlay. , 2010, , .		2
69	A Distributed Cooperative Attack on the Multi-Channel Spectrum Sensing: A Coalitional Game Study. , 2011, , .		2
70	Analysis of Cognitive Radio Networks with Channel Aggregation and Imperfect Sensing. , 2011, , .		2
71	Near Optimum Majority-Logic Based Decoding of Low-Density Parity-Check Codes. , 2011, , .		2
72	Adaptive dual-radio spectrum sensing scheme in cognitive radio networks. Wireless Communications and Mobile Computing, 2013, 13, 1247-1262.	1.2	2

#	ARTICLE	IF	CITATIONS
73	A model for bursty PU channel and its impact on the study of cognitive radio networks. , 2013, , .		2
74	TLDTCA: A distributed approach to meeting heterogenous connectivity requirements to sink in M2M networks. , 2013, , .		2
75	Dynamic load-balancing spectrum decision for cognitive radio networks with multi-class services. , 2015, , .		2
76	TrackCC: A Practical Wireless Indoor Localization System Based on Less-Expensive Chips. Sensors, 2017, 17, 1391.	3.8	2
77	Context-Aware Proactive Caching for Heterogeneous Networks with Energy Harvesting: An Online Learning Approach. , 2018, , .		2
78	Pliis: A Practical Indoor Localization System through Less Expensive Wireless Chips via Subregion Clustering. Sensors, 2018, 18, 205.	3.8	2
79	Outage Probability of CDF-Based Scheduling for Uplink NOMA with Practical SIC Considerations. , 2020, , .		2
80	Flow-Satisfaction-Degree Based Scheduling Algorithm in Static Reuse Partitioning System. , 2007, , .		1
81	Lightweight key management in distributed multi-channel cognitive radio networks. , 2012, , .		1
82	Self-organized virtual small networking for energy saving and load balancing in cellular networks. , 2015, , .		1
83	Energy Efficient Packet Transmission Strategies for Wireless Body Area Networks with Rechargeable Sensors. , 2017, , .		1
84	Performance Analysis of Delay Distribution and Packet Loss Ratio for Body-to-Body Networks. IEEE Internet of Things Journal, 2021, 8, 16598-16612.	8.7	1
85	Online Truthful Mechanism Design in Wireless Communication Networks. IEEE Wireless Communications, 2021, 28, 159-165.	9.0	1
86	Greedy Sub-Channel Redistribution Routing Scheme in Multi-Hop Wireless OFDMA Networks. , 2009, , .		0
87	Routing in IEEE 802.16 based distributed wireless mesh networks. , 2009, , .		0
88	Efficient Implementation of Interior Point Decoding Based on Barrier Function for LDPC Codes. , 2010, , .		0
89	Balance the Trade-Off between the Accessibility and Performance of Distributed Routing Schemes in Multi-Hop Wireless Networks. , 2010, , .		0
90	A Weighted Queue-Based Model for Correlated Rayleigh and Rician Fading Channels. IEEE Transactions on Communications, 2011, 59, 3049-3058.	7.8	0

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91	Securing coalitional game for distributed cooperative spectrum sensing in multi-channel cognitive radio networks. <i>Electronic Commerce Research</i> , 2015, 15, 121-146.	5.0	0
92	Online Incentive Mechanism Design for Collaborative Offloading in Mobile Edge Computing. , 2019, , .		0
93	Truthful Deep Mechanism Design for Revenue-Maximization in Edge Computing With Budget Constraints. <i>IEEE Transactions on Vehicular Technology</i> , 2022, 71, 902-914.	6.3	0