

Rui Yin

List of Publications by Year in descending order

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72
papers

1,171
citations

623734

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73
docs citations

73
times ranked

1208
citing authors

#	ARTICLE	IF	CITATIONS
1	Joint Model Pruning and Device Selection for Communication-Efficient Federated Edge Learning. IEEE Transactions on Communications, 2022, 70, 231-244.	7.8	22
2	Unlicensed assisted transmission in vehicular edge computing networks. Eurasip Journal on Advances in Signal Processing, 2022, 2022, .	1.7	1
3	KFIML: Kubernetes-Based Fog Computing IoT Platform for Online Machine Learning. IEEE Internet of Things Journal, 2022, 9, 19463-19476.	8.7	12
4	Resource Optimization in MEC-Assisted Multirobot Cooperation Systems. Wireless Communications and Mobile Computing, 2022, 2022, 1-8.	1.2	2
5	Channel-Aware Scheduling for Coded Packet Broadcasting in Full-Duplex Relay Networks. , 2022, , .		0
6	A Novel Image Edge Detection Method Based on the Asymmetric STDP Mechanism of the Visual Path. Wireless Communications and Mobile Computing, 2022, 2022, 1-12.	1.2	1
7	Unlicensed Assisted Ultra-Reliable and Low-Latency Communications. Mobile Networks and Applications, 2022, 27, 2232-2243.	3.3	1
8	Decentralized Radio Resource Adaptation in D2D-U Networks. IEEE Internet of Things Journal, 2021, 8, 6720-6732.	8.7	22
9	Learning-Based WiFi Traffic Load Estimation in NR-U Systems. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2021, E104.A, 542-549.	0.3	6
10	Coexistence Analysis of D2D-Unlicensed and Wi-Fi Communications. Wireless Communications and Mobile Computing, 2021, 2021, 1-11.	1.2	7
11	Distributed Spectrum and Power Allocation for D2D-U Networks: a Scheme Based on NN and Federated Learning. Mobile Networks and Applications, 2021, 26, 2000-2013.	3.3	8
12	Adaptive Network Pruning for Wireless Federated Learning. IEEE Wireless Communications Letters, 2021, 10, 1572-1576.	5.0	17
13	Grouping-Based Channel Estimation and Tracking for Millimeter Wave Massive MIMO Systems. Wireless Communications and Mobile Computing, 2021, 2021, 1-14.	1.2	1
14	Coexistence algorithms for LTE and WiFi networks in unlicensed spectrum: performance optimization and comparison. Wireless Networks, 2021, 27, 1875-1885.	3.0	7
15	Distributed Resource Allocation for Maximizing Energy Efficiency in D2D-U Enabled NR Network. , 2021, , .		1
16	Distributed Resource Management for Licensed and Unlicensed Integrated Mobile Edge Computing. , 2021, , .		1
17	Resource Management in MEC based Muti-Robot Cooperation Systems. , 2021, , .		1
18	Adaptive Channel Detection for Full-Duplex Based IAB Systems on Unlicensed Channels. , 2021, , .		0

#	ARTICLE	IF	CITATIONS
19	Robust Rate-Maximization Precoder Design for VFDM System. IEEE Transactions on Vehicular Technology, 2020, 69, 2747-2757.	6.3	3
20	PCA-Based Channel Estimation and Tracking for Massive MIMO Systems With Uniform Rectangular Arrays. IEEE Transactions on Wireless Communications, 2020, 19, 6786-6797.	9.2	6
21	Unitary Matrix Method for PAPR Reduction of IDFT-VFDM Signals. IEEE Wireless Communications Letters, 2020, 9, 2107-2111.	5.0	1
22	Heterogeneity-Aware Energy Saving and Energy Efficiency Optimization in Dense Small Cell Networks. IEEE Access, 2020, 8, 178670-178684.	4.2	5
23	Group-Based Data Transmission Protocol for Small-Sized URLLC Services. IEEE Wireless Communications Letters, 2020, 9, 1432-1436.	5.0	6
24	Semi-Distributed Joint Power and Spectrum Allocation for LAA Based Small Cell Networks. IEEE Transactions on Wireless Communications, 2020, 19, 4141-4153.	9.2	9
25	Heterogeneity-based Energy-efficient Transmission in Dense Small Cell Networks. , 2020, , .		1
26	Adaptive Channel Estimation and Tracking for URA-Based Massive MIMO Systems. IEEE Access, 2020, 8, 54213-54224.	4.2	6
27	Minority Game for Distributed User Association in Unlicensed Heterogenous Networks. IEEE Transactions on Wireless Communications, 2020, 19, 4220-4233.	9.2	11
28	Distributed Spectrum and Power Allocation for D2D-U Networks. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2020, , 161-180.	0.3	5
29	Low-Complexity Coded Transmission Without CSI for Full-Duplex Relay Networks. , 2020, , .		3
30	Power Allocation for Full-Duplex Communication Systems Based on Deep Deterministic Policy Gradient. , 2020, , .		1
31	Adaptive Batchsize Selection and Gradient Compression for Wireless Federated Learning. , 2020, , .		5
32	A Distributed Network Selection Method Based on Minority Game for LTE in Unlicensed Bands. , 2019, , .		4
33	Adaptive PCA Based Channel Estimation and Tracking for URA Massive MIMO Systems. , 2019, , .		1
34	Hybrid Adaptive Channel Access for LTE-U Systems. IEEE Transactions on Vehicular Technology, 2019, 68, 9820-9832.	6.3	19
35	Channel Estimation for Uniform Rectangular Array Based Massive MIMO Systems With Low Complexity. IEEE Transactions on Vehicular Technology, 2019, 68, 2545-2556.	6.3	15
36	A Distributed User Association Method for LTE-U by Enabling Q-Learning in Minority Game. , 2019, , .		0

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37	Deep Reinforcement Learning for D2D transmission in unlicensed bands. , 2019, , .		8
38	IDFT-VFDM for LTE FDD-NR SUL Co-existence. , 2019, , .		1
39	Energy Efficiency Optimization in LTE-U Based Small Cell Networks. IEEE Transactions on Vehicular Technology, 2019, 68, 1963-1967.	6.3	15
40	Spatial Reuse for Coexisting LTE and Wi-Fi Systems in Unlicensed Spectrum. IEEE Transactions on Wireless Communications, 2018, 17, 1187-1198.	9.2	18
41	Fundamental EE Tradeoff in LTE-U Based Small Cell Systems. , 2018, , .		1
42	Energy Efficiency in LTE-U Based Small Cell Systems. IEEE Access, 2018, 6, 64050-64062.	4.2	2
43	Spatial Resource Allocation for Spectrum Reuse in Unlicensed LTE Systems. , 2017, , .		2
44	A Framework for Co-Channel Interference and Collision Probability Tradeoff in LTE Licensed-Assisted Access Networks. IEEE Transactions on Wireless Communications, 2016, 15, 6078-6090.	9.2	51
45	LBT-Based Adaptive Channel Access for LTE-U Systems. IEEE Transactions on Wireless Communications, 2016, 15, 6585-6597.	9.2	117
46	Tradeoff between co-channel Interference and collision probability in LAA systems. , 2016, , .		6
47	Energy Efficiency Optimization in Licensed-Assisted Access. IEEE Journal on Selected Areas in Communications, 2016, 34, 723-734.	14.0	49
48	Joint licensed and unlicensed spectrum allocation for unlicensed LTE. , 2015, , .		29
49	Adaptive LBT for Licensed Assisted Access LTE Networks. , 2015, , .		24
50	Adaptive biasing scheme for load balancing in backhaul constrained small cell networks. IET Communications, 2015, 9, 999-1005.	2.2	10
51	Energy-efficient resource block allocation for licensed-assisted access. , 2015, , .		4
52	Joint Power Allocation and Reuse Partner Selection for Device-to-Device Communications. , 2015, , .		10
53	Joint Downlink and Uplink Resource Allocation for Energy-Efficient Carrier Aggregation. IEEE Transactions on Wireless Communications, 2015, 14, 3207-3218.	9.2	62
54	Interference coordination strategy based on Nash bargaining for small cell networks. IET Communications, 2015, 9, 1583-1590.	2.2	19

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55	Decentralized interference coordination for D2D communication underlying cellular Networks. , 2015, , .		2
56	Joint Mode Selection and Resource Allocation for Device-to-Device Communications. IEEE Transactions on Communications, 2014, 62, 3814-3824.	7.8	258
57	Dual-threshold sleep mode control scheme for small cells. IET Communications, 2014, 8, 2008-2016.	2.2	23
58	Adaptive LBT for Licensed Assisted Access LTE Networks. , 2014, , .		0
59	Joint downlink and uplink resource allocation for energy-efficient carrier aggregation. , 2014, , .		3
60	Opportunistic relaying in delay-constrained mobile relay systems with linear mobility. , 2013, , .		0
61	Opportunistic packet relaying strategy for an OFDM-based mobile relay system. , 2013, , .		0
62	Joint Network-Channel Coding with Rateless Code in Two-Way Relay Systems. IEEE Transactions on Wireless Communications, 2013, 12, 3158-3169.	9.2	12
63	Concatenated channel-and-network coding scheme for two-path successive relay network. IET Communications, 2013, 7, 82-90.	2.2	3
64	Performance Analysis for Physical Layer Security in Multi-Antenna Downlink Networks with Limited CSI Feedback. IEEE Wireless Communications Letters, 2013, 2, 503-506.	5.0	40
65	Joint channel-network coding with rateless code in two-way relay system. , 2012, , .		0
66	On the Capacity Bounds of Non-Restricted Gaussian Amplify-and-Forward Two-Way Relay Channel. IEEE Communications Letters, 2012, 16, 1540-1543.	4.1	2
67	Interference-aware channel allocation for Device-to-Device communication underlying cellular networks. , 2012, , .		25
68	A distributed relay selection method for relay assisted Device-to-Device communication system. , 2012, , .		71
69	Power Allocation for Relay-Assisted TDD Cellular System with Dynamic Frequency Reuse. IEEE Transactions on Wireless Communications, 2012, 11, 2424-2435.	9.2	4
70	Uplink channel reusing selection optimization for Device-to-Device communication underlying cellular networks. , 2012, , .		53
71	Distributed Spectrum-Aware Clustering in Cognitive Radio Sensor Networks. , 2011, , .		33
72	Centralized and distributed resource allocation in OFDM based multi-relay system. Journal of Zhejiang University: Science C, 2010, 11, 450-464.	0.7	3