Yongjun Xu

List of Publications by Year
in descending order

82 papers	1,385 citations	516710 16 h-index	361022 35 g-index
86 all docs	86 docs citations	86 times ranked	964 citing authors

#	Article	IF	Citations
1	A Survey on Resource Allocation for 5G Heterogeneous Networks: Current Research, Future Trends, and Challenges. IEEE Communications Surveys and Tutorials, 2021, 23, 668-695.	39.4	305
2	Indoor Positioning Algorithm Based on the Improved RSSI Distance Model. Sensors, 2018, 18, 2820.	3.8	167
3	Robust Power Control and Beamforming in Cognitive Radio Networks: A Survey. IEEE Communications Surveys and Tutorials, 2015, 17, 1834-1857.	39.4	111
4	Robust Resource Allocation and Power Splitting in SWIPT Enabled Heterogeneous Networks: A Robust Minimax Approach. IEEE Internet of Things Journal, 2019, 6, 10799-10811.	8.7	59
5	Energy Efficiency Maximization in NOMA Enabled Backscatter Communications With QoS Guarantee. IEEE Wireless Communications Letters, 2021, 10, 353-357.	5.0	59
6	Robust Max-Min Energy Efficiency for RIS-Aided HetNets With Distortion Noises. IEEE Transactions on Communications, 2022, 70, 1457-1471.	7.8	55
7	RIS-Enhanced WPCNs: Joint Radio Resource Allocation and Passive Beamforming Optimization. IEEE Transactions on Vehicular Technology, 2021, 70, 7980-7991.	6.3	43
8	Robust Resource Allocation Algorithm for Energy-Harvesting-Based D2D Communication Underlaying UAV-Assisted Networks. IEEE Internet of Things Journal, 2021, 8, 17161-17171.	8.7	37
9	Joint Computation Offloading and Radio Resource Allocation in MEC-Based Wireless-Powered Backscatter Communication Networks. IEEE Transactions on Vehicular Technology, 2021, 70, 6200-6205.	6.3	36
10	Optimal Resource Allocation for Wireless Powered Multi-Carrier Backscatter Communication Networks. IEEE Wireless Communications Letters, 2020, 9, 1191-1195.	5.0	32
11	Robust Energy-Efficient Maximization for Cognitive NOMA Networks Under Channel Uncertainties. IEEE Internet of Things Journal, 2020, 7, 8318-8330.	8.7	28
12	Robust Secure Energy-Efficiency Optimization in SWIPT-Aided Heterogeneous Networks With a Nonlinear Energy-Harvesting Model. IEEE Internet of Things Journal, 2021, 8, 14908-14919.	8.7	22
13	Outage-Constrained Energy Efficiency Maximization for RIS-Assisted WPCNs. IEEE Communications Letters, 2021, 25, 3370-3374.	4.1	21
14	Joint User Association and Power Allocation in Heterogeneous NOMA Networks With Imperfect CSI. IEEE Access, 2020, 8, 47607-47618.	4.2	18
15	Robust Resource Allocation for Two-Tier HetNets: An Interference-Efficiency Perspective. IEEE Transactions on Green Communications and Networking, 2021, 5, 1514-1528.	5.5	18
16	Optimal and Robust Interference Efficiency Maximization for Multicell Heterogeneous Networks. IEEE Access, 2019, 7, 102406-102416.	4.2	17
17	Robust Energy-Efficient Optimization for Secure Wireless-Powered Backscatter Communications With a Non-Linear EH Model. IEEE Communications Letters, 2021, 25, 3209-3213.	4.1	17
18	Time-Varying Channel Prediction for RIS-Assisted MU-MISO Networks via Deep Learning. IEEE Transactions on Cognitive Communications and Networking, 2022, 8, 1802-1815.	7.9	17

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19	Distributed Resource Allocation for SWIPT-Based Cognitive Ad-Hoc Networks. IEEE Transactions on Cognitive Communications and Networking, 2021, 7, 1320-1332.	7.9	15
20	Robust power control for underlay cognitive radio networks under probabilistic quality of service and interference constraints. IET Communications, 2014, 8, 3333-3340.	2.2	14
21	Robust resource allocation for multi-tier cognitive heterogeneous networks. , 2017, , .		14
22	Robust resource allocation for heterogeneous wireless network: a worstâ€case optimisation. IET Communications, 2018, 12, 1064-1071.	2.2	12
23	Resource Allocation for Secure SWIPT-Enabled D2D Communications With $alpha$ Fairness. IEEE Transactions on Vehicular Technology, 2022, 71, 1101-1106.	6.3	12
24	Distributed power control for multiuser cognitive radio networks with quality of service and interference temperature constraints. Wireless Communications and Mobile Computing, 2015, 15, 1773-1783.	1.2	11
25	Optimal power allocation for multiuser OFDM-based cognitive heterogeneous networks. China Communications, 2017, 14, 52-61.	3.2	11
26	An Indoor Positioning Algorithm Based on RSSI Real-time Correction. , 2018, , .		11
27	Robust Rate Maximization for Heterogeneous Wireless Networks under Channel Uncertainties. Sensors, 2018, 18, 639.	3.8	11
28	Robust Probabilistic Distributed Power Control Algorithm for Underlay Cognitive Radio Networks under Channel Uncertainties. Wireless Personal Communications, 2014, 78, 1297-1312.	2.7	10
29	Robust adaptive power control for cognitive radio networks. IET Signal Processing, 2016, 10, 19-27.	1.5	10
30	Max-Min Beamforming Design for Heterogeneous Networks With Hardware Impairments. IEEE Communications Letters, 2021, 25, 1328-1332.	4.1	10
31	Robust Power Control for Multiuser Underlay Cognitive Radio Networks Under QoS Constraints and Interference Temperature Constraints. Wireless Personal Communications, 2014, 75, 2383-2397.	2.7	9
32	Convolutional Autoencoder-Based Phase Shift Feedback Compression for Intelligent Reflecting Surface-Assisted Wireless Systems. IEEE Communications Letters, 2022, 26, 89-93.	4.1	9
33	Distributed Resource Allocation for Cognitive HetNets with Cross-Tier Interference Constraint. , 2017, , .		8
34	User Grouping and Power Allocation for Downlink NOMA-Based Quadrature Spatial Modulation. IEEE Access, 2020, 8, 38136-38145.	4.2	8
35	Robust resource allocation for NOMA-assisted heterogeneous networks. Digital Communications and Networks, 2022, 8, 208-214.	5.0	8
36	Interference minimization based power allocation for cognitive radio networks with imperfect spectrum sensing. , 2016, , .		7

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37	Joint energy-efficient resource allocation and transmission duration for cognitive HetNets under imperfect CSI. Signal Processing, 2020, 167, 107309.	3.7	7
38	L2SSP: Robust keypoint description using local second-order statistics with soft-pooling. Neurocomputing, 2017, 230, 230-242.	5.9	6
39	Power Allocation for Downlink Multiuser NOMA-Based Generalized Spatial Modulation. , 2019, , .		6
40	Energy efficient resource allocation algorithm in multi-carrier NOMA systems. , 2019, , .		6
41	Robust Max-Min Fairness Energy Efficiency in NOMA-based Heterogeneous Networks. , 2020, , .		6
42	Robust rate maximization for OFDM-based cognitive radio networks. , 2014, , .		5
43	Robust Energy-Efficiency Power Allocation in Multicell HetNets with Channel Uncertainties. , 2018, , .		5
44	Robust Energy Efficiency Optimization for SWIPT-enabled Heterogeneous NOMA Networks. , 2019, , .		5
45	Joint Subchannel and Power Allocation for Cognitive NOMA Systems with Imperfect CSI. , 2019, , .		5
46	Robust power control for cognitive radio networks under spectrum sensing errors. , 2016, , .		4
47	Max-Min Energy Efficiency Optimization Algorithm for Wireless Power Transfer Enabled Massive MIMO Systems. , 2019, , .		4
48	Energy-efficient Optimization for IRS-assisted Wireless-powered Communication Networks. , 2021, , .		4
49	Energy-Efficient Resource Allocation for OFDMA-based Wireless-Powered Backscatter Communications. , 2021, , .		4
50	Deep Learning based Intelligent Recognition Method in Heterogeneous Communication Networks. , 2020, , .		4
51	Energy-efficient Resource Allocation for Secure IRS Networks with an Active Eavesdropper. , 2020, , .		4
52	Max-Min Energy-Efficient Optimization for Cognitive Heterogeneous Networks With Spectrum Sensing Errors and Channel Uncertainties. IEEE Wireless Communications Letters, 2022, 11, 1113-1117.	5.0	4
53	Resource allocation for sum-rate maximization in NOMA-based generalized spatial modulation. Digital Communications and Networks, 2022, 8, 1077-1084.	5.0	4
54	A low-complexity soft output detection algorithm for spatial modulation systems. , 2017, , .		3

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55	ROBUST ENERGY-EFFICIENT POWER ALLOCATION STRATEGY FOR ENERGY HARVESTING-AIDED HETEROGENEOUS CELLULAR NETWORKS. , 2018, , .		3
56	Energy-Efficient Resource Allocation with Imperfect CSI in NOMA-based D2D Networks with SWIPT. , 2021, , .		3
57	Robust Resource Allocation for Energy Harvesting-Powered UAV-Assisted D2D Networks. , 2021, , .		3
58	Towards Green Mobile Edge Computing Offloading Systems with Security Enhancement. , 2020, , .		3
59	Power control for cognitive relay networks with sensing uncertainties. Eurasip Journal on Wireless Communications and Networking, 2016, 2016, .	2.4	2
60	Robust uplink power allocation for two-tier heterogeneous networks. , 2017, , .		2
61	Robust Resource Allocation for Uplink Sum Rate Maximization in Multi-Cell Heterogeneous Networks. , 2018, , .		2
62	Price-Based Resource Allocation in Wireless Power Transfer-Enabled Massive MIMO Networks. Sensors, 2019, 19, 3298.	3.8	2
63	Robust Resource Allocation in NOMA based Cognitive Radio Networks. , 2019, , .		2
64	Max-Min Resource Allocation for Wireless Power Transfer Enabled Massive MIMO Systems. , 2019, , .		2
65	Robust Power Allocation for OFDM-Based Cognitive Radio Networks under Signal-to-Interference-plus-Noise-Ratio Constraints. Journal of Communications, 2017, , .	1.6	2
66	QoS Guaranteed Power Minimization and Beamforming for IRS-Assisted NOMA Systems. IEEE Wireless Communications Letters, 2023, 12, 391-395.	5.0	2
67	Robust Power Allocation for OFDM Based Underlay Cognitive Radio Networks with Channel Uncertainties. Wireless Personal Communications, 2017, 94, 3531-3547.	2.7	1
68	Robust Resource Allocation and Transmission Time Optimization for OFDMA-based Heterogeneous Networks. , 2019, , .		1
69	Robust Energy-Efficient Downlink Resource Allocation in Heterogeneous Networks with Outage Probability Constraint. Wireless Personal Communications, 2019, 104, 441-458.	2.7	1
70	Joint Placement and Power Allocation Optimization for Sum Rate Maximization in NOMA-based UAV Networks. , 2021, , .		1
71	Price-Based Resource Allocation in NOMA System with Hardware Impairments. , 2021, , .		1
72	RIS-aided Wireless Power Transfer for Unmanned Aerial Vehicles. , 2021, , .		1

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73	Max-Min Energy Efficiency for RIS-aided HetNets with Hardware Impairments and Imperfect CSI. , 2021, , .		1
74	Robust Power Control for OFDM-Based Cognitive Radio Networks with QoS Guarantee. Wireless Personal Communications, 2017, 96, 2125-2140.	2.7	0
75	A Low-Complexity Group Detection Algorithm for MIMO systems. , 2018, , .		0
76	Robust power allocation for two-tier heterogeneous networks under channel uncertainties. Eurasip Journal on Wireless Communications and Networking, 2018, 2018, .	2.4	0
77	A Design of Space-Time Block Code for Spatial Modulation Systems. , 2018, , .		0
78	Resource Allocation for OFDMA-Based Cognitive Networks: An Interference-Efficient Perspective. , 2019, , .		0
79	Robust Power Allocation for Multi-Homing Heterogeneous Networks with Energy Harvesting. Journal of Physics: Conference Series, 2020, 1624, 062007.	0.4	0
80	Soft Information Learning of BICM-ID System Based on Deep Learning. , 2021, , .		0
81	Min-max BER Based Power Control for OFDM-Based Cognitive Cooperative Networks with Imperfect Spectrum Sensing. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2016, , 654-667.	0.3	0
82	Secure Communication in UAV-Enabled Mobile Relay Systems. , 2021, , .		0