Xueying Liu

List of Publications by Year
in descending order

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120 papers	3,662 citations	126858 33 h-index	143943 57 g-index
120 all docs	120 docs citations	120 times ranked	2772 citing authors

#	Article	IF	Citations
1	NOMA-Based Resource Allocation for Cluster-Based Cognitive Industrial Internet of Things. IEEE Transactions on Industrial Informatics, 2020, 16, 5379-5388.	7.2	231
2	A Novel Multichannel Internet of Things Based on Dynamic Spectrum Sharing in 5G Communication. IEEE Internet of Things Journal, 2019, 6, 5962-5970.	5.5	217
3	QoS-Guarantee Resource Allocation for Multibeam Satellite Industrial Internet of Things With NOMA. IEEE Transactions on Industrial Informatics, 2021, 17, 2052-2061.	7.2	189
4	Rate and Energy Efficiency Improvements for 5G-Based IoT With Simultaneous Transfer. IEEE Internet of Things Journal, 2019, 6, 5971-5980.	5.5	154
5	Joint Precoding Optimization for Secure SWIPT in UAV-Aided NOMA Networks. IEEE Transactions on Communications, 2020, 68, 5028-5040.	4.9	149
6	Optimal Resource Allocation in Simultaneous Cooperative Spectrum Sensing and Energy Harvesting for Multichannel Cognitive Radio. IEEE Access, 2017, 5, 3801-3812.	2.6	126
7	Collaborative Energy and Information Transfer in Green Wireless Sensor Networks for Smart Cities. IEEE Transactions on Industrial Informatics, 2018, 14, 1585-1593.	7.2	126
8	5G-based green broadband communication system design with simultaneous wireless information and power transfer. Physical Communication, 2018, 28, 130-137.	1.2	120
9	Multi-Modal Cooperative Spectrum Sensing Based on Dempster-Shafer Fusion in 5G-Based Cognitive Radio. IEEE Access, 2018, 6, 199-208.	2.6	116
10	Optimal Transmission Strategies for Dynamic Spectrum Access in Cognitive Radio Networks. IEEE Transactions on Mobile Computing, 2009, 8, 1636-1648.	3.9	114
11	Exploiting Adversarial Jamming Signals for Energy Harvesting in Interference Networks. IEEE Transactions on Wireless Communications, 2017, 16, 1267-1280.	6.1	86
12	Joint cooperative spectrum sensing and channel selection optimization for satellite communication systems based on cognitive radio. International Journal of Satellite Communications and Networking, 2017, 35, 139-150.	1.2	83
13	Subcarrier allocation based Simultaneous Wireless Information and Power Transfer algorithm in 5G cooperative OFDM communication systems. Physical Communication, 2018, 29, 164-170.	1.2	80
14	Big-Data-Based Intelligent Spectrum Sensing for Heterogeneous Spectrum Communications in 5G. IEEE Wireless Communications, 2020, 27, 67-73.	6.6	80
15	Reinforcement Learning-Based Multislot Double-Threshold Spectrum Sensing With Bayesian Fusion for Industrial Big Spectrum Data. IEEE Transactions on Industrial Informatics, 2021, 17, 3391-3400.	7.2	77
16	Joint Pricing and Power Allocation for Multibeam Satellite Systems With Dynamic Game Model. IEEE Transactions on Vehicular Technology, 2018, 67, 2398-2408.	3.9	73
17	Threshold optimization of cooperative spectrum sensing in cognitive radio networks. Radio Science, 2013, 48, 23-32.	0.8	58
18	Incentive Mechanism Based Cooperative Spectrum Sharing for OFDM Cognitive IoT Network. IEEE Transactions on Network Science and Engineering, 2020, 7, 662-672.	4.1	53

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19	Spectrum Sensing Optimization in an UAV-Based Cognitive Radio. IEEE Access, 2018, 6, 44002-44009.	2.6	52
20	An Efficient Strategy for Accurate Detection and Localization of UAV Swarms. IEEE Internet of Things Journal, 2021, 8, 15372-15381.	5.5	52
21	Uplink Resource Allocation for NOMA-Based Hybrid Spectrum Access in 6G-Enabled Cognitive Internet of Things. IEEE Internet of Things Journal, 2021, 8, 15049-15058.	5.5	51
22	Beamforming and Jamming Optimization for IRS-Aided Secure NOMA Networks. IEEE Transactions on Wireless Communications, 2022, 21, 1557-1569.	6.1	50
23	Joint Communication and Trajectory Optimization for Multi-UAV Enabled Mobile Internet of Vehicles. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 15354-15366.	4.7	48
24	Optimal Periodic Cooperative Spectrum Sensing Based on Weight Fusion in Cognitive Radio Networks. Sensors, 2013, 13, 5251-5272.	2.1	47
25	Optimization algorithm of periodical cooperative spectrum sensing in cognitive radio. International Journal of Communication Systems, 2014, 27, 705-720.	1.6	47
26	Spectrum Resource Optimization for NOMA-Based Cognitive Radio in 5G Communications. IEEE Access, 2018, 6, 24904-24911.	2.6	46
27	Secure probabilistic caching in random multi-user multi-UAV relay networks. Physical Communication, 2019, 32, 31-40.	1.2	44
28	Collaborative Design of Multi-UAV Trajectory and Resource Scheduling for 6G-Enabled Internet of Things. IEEE Internet of Things Journal, 2021, 8, 15096-15106.	5.5	42
29	Joint cooperative spectrum sensing and spectrum opportunity for satellite cluster communication networks. Ad Hoc Networks, 2017, 58, 231-238.	3.4	39
30	Cache Aided Decode-and-Forward Relaying Networks: From the Spatial View. Wireless Communications and Mobile Computing, 2018, 2018, 1-9.	0.8	36
31	Energy Efficiency Optimization for NOMA-Based Cognitive Radio With Energy Harvesting. IEEE Access, 2019, 7, 139172-139180.	2.6	36
32	Turbo Receiver Channel Estimation for GFDM-Based Cognitive Radio Networks. IEEE Access, 2018, 6, 9926-9935.	2.6	35
33	Spectrum Sharing for 6G Integrated Satellite-Terrestrial Communication Networks Based on NOMA and CR. IEEE Network, 2021, 35, 28-34.	4.9	35
34	Probabilistic Caching Placement in the Presence of Multiple Eavesdroppers. Wireless Communications and Mobile Computing, 2018, 2018, 1-10.	0.8	33
35	Hybrid Cache Placement for Physical-Layer Security in Cooperative Networks. IEEE Access, 2018, 6, 8098-8108.	2.6	32
36	Reinforcement-Learning-Based Dynamic Spectrum Access for Software-Defined Cognitive Industrial Internet of Things. IEEE Transactions on Industrial Informatics, 2022, 18, 4244-4253.	7.2	32

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37	5G-based wideband cognitive radio system design with cooperative spectrum sensing. Physical Communication, 2017, 25, 539-545.	1.2	29
38	Energy-Efficient Resource Allocation for Cognitive Industrial Internet of Things With Wireless Energy Harvesting. IEEE Transactions on Industrial Informatics, 2021, 17, 5668-5677.	7.2	29
39	WiFi/PDR-integrated indoor localization using unconstrained smartphones. Eurasip Journal on Wireless Communications and Networking, 2019, 2019, .	1.5	26
40	Modeling and Throughput Analysis of an ADO-OFDM Based Relay-Assisted VLC System for 5G Networks. IEEE Access, 2018, 6, 17586-17594.	2.6	25
41	Throughput Maximization for RIS-UAV Relaying Communications. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 19569-19574.	4.7	25
42	Optimal Energy Harvesting-based Weighed Cooperative Spectrum Sensing in Cognitive Radio Network. Mobile Networks and Applications, 2016, 21, 908-919.	2.2	23
43	Pseudo-Noise Sequence Based Synchronization for Generalized Frequency Division Multiplexing in 5G Communication System. IEEE Access, 2018, 6, 14812-14819.	2.6	23
44	Spectrum Trading for Satellite Communication Systems with Dynamic Bargaining. IEEE Transactions on Communications, 2018, , 1-1.	4.9	23
45	Intelligent clustering cooperative spectrum sensing based on Bayesian learning for cognitive radio network. Ad Hoc Networks, 2019, 94, 101968.	3.4	22
46	Spectrum Allocation With Asymmetric Monopoly Model for Multibeam-Based Cognitive Satellite Networks. IEEE Access, 2018, 6, 9713-9722.	2.6	20
47	Distributed Routing Strategy Based on Machine Learning for LEO Satellite Network. Wireless Communications and Mobile Computing, 2018, 2018, 1-10.	0.8	20
48	Joint Resource Allocation for Wireless Energy Harvesting Enabled Cognitive Sensor Networks. IEEE Access, 2018, 6, 22480-22488.	2.6	19
49	UAV-Assisted Time-Efficient Data Collection via Uplink NOMA. IEEE Transactions on Communications, 2021, 69, 7851-7863.	4.9	19
50	Dynamic Spectrum Access Networks With Heterogeneous Users: How to Price the Spectrum?. IEEE Transactions on Vehicular Technology, 2018, 67, 5203-5216.	3.9	18
51	Joint optimal fair cooperative spectrum sensing and transmission in cognitive radio. Physical Communication, 2017, 25, 445-453.	1.2	17
52	Spectrum Optimization for Cognitive Satellite Communications With Cournot Game Model. IEEE Access, 2018, 6, 1624-1634.	2.6	17
53	Energy Efficiency Optimization for OFDM Based 5G Wireless Networks With Simultaneous Wireless Information and Power Transfer. IEEE Access, 2018, 6, 75937-75946.	2.6	15
54	Cooperative Spectrum Sharing in OFDM Two-Way Relay Systems With Bidirectional Transmissions. IEEE Communications Letters, 2017, 21, 1349-1352.	2.5	14

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55	Joint Resource Optimization for UAV-Enabled Multichannel Internet of Things Based on Intelligent Fog Computing. IEEE Transactions on Network Science and Engineering, 2021, 8, 2814-2824.	4.1	14
56	Double-threshold cooperative detection for cognitive radio based on weighing. Wireless Communications and Mobile Computing, 2014, 14, 1231-1243.	0.8	12
57	Intelligent Spectrum Resource Allocation Based on Joint Optimization in Heterogeneous Cognitive Radio. IEEE Transactions on Emerging Topics in Computational Intelligence, 2020, 4, 5-12.	3.4	12
58	A Vision-Based Target Detection, Tracking, and Positioning Algorithm for Unmanned Aerial Vehicle. Wireless Communications and Mobile Computing, 2021, 2021, 1-12.	0.8	12
59	Fair Downlink Communications for RIS-UAV Enabled Mobile Vehicles. IEEE Wireless Communications Letters, 2022, 11, 1042-1046.	3.2	12
60	A new sensingâ€throughput tradeoff scheme in cooperative multiband cognitive radio network. International Journal of Network Management, 2014, 24, 200-217.	1.4	11
61	A Multichannel Cognitive Radio System Design and Its Performance Optimization. IEEE Access, 2018, 6, 12327-12335.	2.6	11
62	Robust Heading Estimation for Indoor Pedestrian Navigation Using Unconstrained Smartphones. Wireless Communications and Mobile Computing, 2018, 2018, 1-11.	0.8	11
63	Adaptive beam design for UAV network with uniform plane array. Physical Communication, 2019, 34, 58-65.	1.2	11
64	Leveraging Hypothesis Testing for CSI Based Passive Human Intrusion Direction Detection. IEEE Transactions on Vehicular Technology, 2021, 70, 7749-7763.	3.9	11
65	Optimization of sensing time and cooperative user allocation for OR-rule cooperative spectrum sensing in cognitive radio network. Journal of Central South University, 2015, 22, 2646-2654.	1.2	10
66	OFDM Based SWIPT for Two-Way AF Relaying Network. IEEE Access, 2018, 6, 73223-73231.	2.6	10
67	Mean Field Reinforcement Learning Based Anti-Jamming Communications for Ultra-Dense Internet of Things in 6G. , 2020, , .		10
68	Joint Collaborative Big Spectrum Data Sensing and Reinforcement Learning Based Dynamic Spectrum Access for Cognitive Internet of Vehicles. IEEE Transactions on Intelligent Transportation Systems, 2024, 25, 805-815.	4.7	10
69	Joint optimization of sensing threshold and transmission power in wideband cognitive radio with energy detection. Radio Science, 2013, 48, 359-370.	0.8	9
70	Impact of Antenna Selection on Physical-Layer Security of NOMA Networks. Wireless Communications and Mobile Computing, 2018, 2018, 1-11.	0.8	9
71	Throughput maximization for UAV-enabled full-duplex relay system in 5G communications. Physical Communication, 2019, 32, 104-111.	1.2	9
72	Joint optimisation algorithm of cooperative spectrum sensing with cooperative overhead and subâ€band transmission power for wideband cognitive radio network. Transactions on Emerging Telecommunications Technologies, 2015, 26, 586-597.	2.6	8

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73	Optimal spectrum sensing and transmission power allocation in energyâ€efficiency multichannel cognitive radio with energy harvesting. International Journal of Communication Systems, 2017, 30, e3044.	1.6	8
74	Joint Resource Optimization for Cognitive Sensor Networks with SWIPT-Enabled Relay. Sensors, 2017, 17, 2093.	2.1	8
75	Joint resource optimization for DF relaying SWIPT based cognitive sensor networks. Physical Communication, 2018, 27, 93-98.	1.2	8
76	Simultaneous cooperative spectrum sensing and wireless power transfer in multi-antenna cognitive radio. Physical Communication, 2018, 29, 78-85.	1.2	8
77	Multichannel spectrum access based on reinforcement learning in cognitive internet of things. Ad Hoc Networks, 2020, 106, 102200.	3.4	8
78	Integrated Cooperative Spectrum Sensing and Access Control for Cognitive Industrial Internet of Things. IEEE Internet of Things Journal, 2023, 10, 1887-1896.	5.5	8
79	Sensingâ€throughput tradeoff for cooperative multipleâ€input singleâ€output cognitive radio. International Journal of Communication Systems, 2015, 28, 848-860.	1.6	7
80	Multislot Simultaneous Spectrum Sensing and Energy Harvesting in Cognitive Radio. Energies, 2016, 9, 568.	1.6	7
81	A novel spectrum handoff-based sensing-throughput tradeoff scheme in cognitive radio. China Communications, 2016, 13, 59-68.	2.0	7
82	DNF-SC-PNC: a new physical-layer network coding scheme for two-way relay channels with asymmetric data length. Wireless Networks, 2019, 25, 3727-3734.	2.0	7
83	Resource Allocation in Satellite-Based Internet of Things Using Pattern Search Method. IEEE Access, 2020, 8, 110908-110914.	2.6	7
84	Energy-Efficient Resource Optimization in Green Cognitive Internet of Things. Mobile Networks and Applications, 2020, 25, 2527-2535.	2.2	7
85	Bandwidth allocation-based simultaneous cooperative spectrum sensing and energy harvesting for multicarrier cognitive radio. Physical Communication, 2017, 25, 284-291.	1.2	6
86	Joint Resource Allocation of Spectrum Sensing and Energy Harvesting in an Energy-Harvesting-Based Cognitive Sensor Network. Sensors, 2017, 17, 600.	2.1	6
87	Uplink resource allocation for multicarrier grouping cognitive internet of things based on K-means Learning. Ad Hoc Networks, 2020, 96, 102002.	3.4	6
88	Rate satisfaction-based power allocation for NOMA-based cognitive Internet of Things. Ad Hoc Networks, 2020, 98, 102063.	3.4	6
89	Joint Resource Allocation for a Novel OFDM-Based Multicolor VLC Network. IEEE Networking Letters, 2021, 3, 100-104.	1.5	6
90	A Novel Wireless Power Transfer-Based Weighed Clustering Cooperative Spectrum Sensing Method for Cognitive Sensor Networks. Sensors, 2015, 15, 27760-27782.	2.1	5

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91	Switch-and-stay combining for energy harvesting relaying systems. Physical Communication, 2018, 28, 28-34.	1.2	5
92	Fast Admission Control and Power Optimization With Adaptive Rates for Communication Fairness in Wireless Networks. IEEE Transactions on Mobile Computing, 2021, 20, 1017-1026.	3.9	5
93	Agent-Based Spectrum Management Scheme in Satellite Communication Systems. IEEE Transactions on Vehicular Technology, 2021, 70, 2877-2881.	3.9	5
94	Simultaneous Wireless Information and Power Transfer Based on Symbol Allocation for GFDM-NOMA Cooperative Communications. IEEE Wireless Communications Letters, 2022, 11, 333-337.	3.2	5
95	Simultaneous wireless information and power transfer in OFDM systems based on subcarrier allocation. , 2016, , .		4
96	A novel weighed cooperative bandwidth spectrum sensing for spectrum occupancy of cognitive radio network. Journal of Central South University, 2016, 23, 1709-1718.	1.2	4
97	Simultaneous Cooperative Spectrum Sensing and Energy Harvesting in Multi-antenna Cognitive Radio. Mobile Networks and Applications, 2018, 23, 263-271.	2.2	4
98	Spectrum pricing for cognitive radio networks with userâ€™s stochastic distribution. Wireless Networks, 2019, 25, 2091-2099.	2.0	4
99	Cooperative NOMA-Based DCO-OFDM VLC System. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2019, , 14-24.	0.2	4
100	A Spectral-Spatial Feature Extraction Method With Polydirectional CNN for Multispectral Image Compression. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2022, 15, 2745-2758.	2.3	4
101	Capacity of the broadband dual-orthogonal polarized MIMO Land Mobile Satellite (LMS) channel: Channel modeling and influenced factors analysis. AEU - International Journal of Electronics and Communications, 2017, 75, 23-34.	1.7	3
102	Dynamic spectrum access for D2D networks: A hypergraph game approach. , 2017, , .		3
103	Joint Rate and BER Scheduling Resource Allocation for Wireless Communication Systems. IEEE Access, 2018, 6, 65697-65704.	2.6	3
104	Secure Beamforming Optimization for IRS-NOMA Networks via Artificial Jamming. , 2021, , .		3
105	Energy Efficiency of Access Control With Rate Constraints in Cognitive Radio Networks. IEEE Access, 2018, 6, 36354-36363.	2.6	2
106	Secure Transmission for UAV-Aided NOMA Networks with SWIPT via Precoding Optimization. , 2019, , .		2
107	Simultaneous Wireless Information and Power Transfer for OFDM-based Cooperative Communication. Mobile Networks and Applications, 2023, 28, 586-597.	2.2	2
108	Time-Efficient Uplink Data Collection for UAV-assisted NOMA networks. , 2021, , .		2

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109	Energy-Efficient Resource Allocation for Simultaneous Wireless Information and Power Transfer in GFDM Cooperative Communications. IEEE Networking Letters, 2022, 4, 1-5.	1.5	2
110	Channel Estimation in Next Generation LEO Satellite Communicastion Systems. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2018, , 243-252.	0.2	1
111	Adaptive Optimization with Max-Min Achievable Rate Fairness in Mobile Cloud Networking. , 2018, , .		1
112	A low power clock generator with self-calibration for UHF RFID tags in intelligent terrestrial sensor networks. Wireless Networks, 2019, , 1.	2.0	1
113	A Novel Relay-Assisted DCO-OFDM Green VLC System Based on NOMA. Mobile Networks and Applications, 2021, 26, 1839-1848.	2.2	1
114	Subcarrier Allocation-Based Simultaneous Wireless Information and Power Transfer for Multiuser OFDM Systems. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2018, , 524-531.	0.2	1
115	Energy Efficiency Maximization for Green Cognitive Internet of Things with Energy Harvesting. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2019, , 281-290.	0.2	1
116	Sensing-Throughput Tradeoff in Spectrum Handoff-Based Cognitive Radio. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2017, , 181-188.	0.2	0
117	Joint Time and Node Optimization for Cluster-Based Energy-Efficient Cognitive Internet of Things. Mobile Networks and Applications, 2019, 24, 1985-1993.	2.2	0
118	Optimal Resource Optimization for Cluster-Based Energy-Efficient Cognitive IoT. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2019, , 532-540.	0.2	0
119	Anti-Wiretap Spectrum-Sharing for Cooperative Cognitive Radio Communication Systems. Sensors, 2019, 19, 4142.	2.1	0
120	Simultaneous Wireless Information and Power Transfer Based on Timeâ€“Frequency Block Allocation in OFDM Cooperative Communication System. IEEE Systems Journal, 2022, 16, 4827-4830.	2.9	0