

Helin Yang

List of Publications by Year in descending order

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43
papers

2,072
citations

304368

22
h-index

395343

33
g-index

44
all docs

44
docs citations

44
times ranked

1854
citing authors

#	ARTICLE	IF	CITATIONS
1	Deep Reinforcement Learning-Based Intelligent Reflecting Surface for Secure Wireless Communications. IEEE Transactions on Wireless Communications, 2021, 20, 375-388.	6.1	272
2	Artificial-Intelligence-Enabled Intelligent 6G Networks. IEEE Network, 2020, 34, 272-280.	4.9	271
3	On the Performance of MIMO-NOMA-Based Visible Light Communication Systems. IEEE Photonics Technology Letters, 2018, 30, 307-310.	1.3	211
4	Learning-Based Energy-Efficient Resource Management by Heterogeneous RF/VLC for Ultra-Reliable Low-Latency Industrial IoT Networks. IEEE Transactions on Industrial Informatics, 2020, 16, 5565-5576.	7.2	125
5	Intelligent Reflecting Surface Assisted Anti-Jamming Communications: A Fast Reinforcement Learning Approach. IEEE Transactions on Wireless Communications, 2021, 20, 1963-1974.	6.1	124
6	Intelligent Resource Management Based on Reinforcement Learning for Ultra-Reliable and Low-Latency IoV Communication Networks. IEEE Transactions on Vehicular Technology, 2019, 68, 4157-4169.	3.9	120
7	Privacy-Preserving Federated Learning for UAV-Enabled Networks: Learning-Based Joint Scheduling and Resource Management. IEEE Journal on Selected Areas in Communications, 2021, 39, 3144-3159.	9.7	102
8	Integration of Visible Light Communication and Positioning within 5G Networks for Internet of Things. IEEE Network, 2020, 34, 134-140.	4.9	101
9	Reduction of SINR Fluctuation in Indoor Multi-Cell VLC Systems Using Optimized Angle Diversity Receiver. Journal of Lightwave Technology, 2018, 36, 3603-3610.	2.7	72
10	Flexible-Rate SIC-Free NOMA for Downlink VLC Based on Constellation Partitioning Coding. IEEE Wireless Communications Letters, 2019, 8, 568-571.	3.2	56
11	QoS-Driven Optimized Design-Based Integrated Visible Light Communication and Positioning for Indoor IoT Networks. IEEE Internet of Things Journal, 2020, 7, 269-283.	5.5	51
12	Deep-Reinforcement-Learning-Based Energy-Efficient Resource Management for Social and Cognitive Internet of Things. IEEE Internet of Things Journal, 2020, 7, 5677-5689.	5.5	43
13	Deep Reinforcement Learning Based Massive Access Management for Ultra-Reliable Low-Latency Communications. IEEE Transactions on Wireless Communications, 2021, 20, 2977-2990.	6.1	40
14	Joint Precoder and Equalizer Design for Multi-User Multi-Cell MIMO VLC Systems. IEEE Transactions on Vehicular Technology, 2018, 67, 11354-11364.	3.9	38
15	An Actor-Critic Deep Reinforcement Learning Approach for Transmission Scheduling in Cognitive Internet of Things Systems. IEEE Systems Journal, 2020, 14, 51-60.	2.9	37
16	Experimental Demonstration of 3D Visible Light Positioning Using Received Signal Strength With Low-Complexity Trilateration Assisted by Deep Learning Technique. IEEE Access, 2019, 7, 93986-93997.	2.6	35
17	Energy-Efficient Joint Scheduling and Resource Management for UAV-Enabled Multicell Networks. IEEE Systems Journal, 2020, 14, 363-374.	2.9	33
18	User-Centric MIMO Techniques for Indoor Visible Light Communication Systems. IEEE Systems Journal, 2020, 14, 3202-3213.	2.9	29

#	ARTICLE	IF	CITATIONS
19	Coordinated Resource Allocation-Based Integrated Visible Light Communication and Positioning Systems for Indoor IoT. <i>IEEE Transactions on Wireless Communications</i> , 2020, 19, 4671-4684.	6.1	28
20	Deep-Reinforcement-Learning-Based Spectrum Resource Management for Industrial Internet of Things. <i>IEEE Internet of Things Journal</i> , 2021, 8, 3476-3489.	5.5	28
21	Secure and private NOMA VLC using OFDM with two-level chaotic encryption. <i>Optics Express</i> , 2018, 26, 34031.	1.7	28
22	Demonstration of a Quasi-Gapless Integrated Visible Light Communication and Positioning System. <i>IEEE Photonics Technology Letters</i> , 2018, 30, 2001-2004.	1.3	24
23	OFDM-Based Generalized Optical MIMO. <i>Journal of Lightwave Technology</i> , 2021, 39, 6063-6075.	2.7	24
24	IRS-Aided Energy-Efficient Secure WBAN Transmission Based on Deep Reinforcement Learning. <i>IEEE Transactions on Communications</i> , 2022, 70, 4162-4174.	4.9	18
25	Cognitive Multi-Cell Visible Light Communication With Hybrid Underlay/Overlay Resource Allocation. <i>IEEE Photonics Technology Letters</i> , 2018, 30, 1135-1138.	1.3	17
26	Reinforcement Learning-Based Intelligent Resource Allocation for Integrated VLCP Systems. <i>IEEE Wireless Communications Letters</i> , 2019, 8, 1204-1207.	3.2	17
27	Space Division Multiple Access With Distributed User Grouping for Multi-User MIMO-VLC Systems. <i>IEEE Open Journal of the Communications Society</i> , 2020, 1, 943-956.	4.4	17
28	Deep Reinforcement Learning-Based Multidimensional Resource Management for Energy Harvesting Cognitive NOMA Communications. <i>IEEE Transactions on Communications</i> , 2022, 70, 3110-3125.	4.9	17
29	Robust Transceiver Design Based on Interference Alignment for Multi-User Multi-Cell MIMO Networks With Channel Uncertainty. <i>IEEE Access</i> , 2017, 5, 5121-5134.	2.6	12
30	LED Nonlinearity Estimation and Compensation in VLC Systems Using Probabilistic Bayesian Learning. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 2711.	1.3	12
31	An integrated indoor visible light communication and positioning system based on FBMC-SCM. , 2017, , .		11
32	Deep Reinforcement Learning Based Dynamic User Access and Decode Order Selection for Uplink NOMA System With Imperfect SIC. <i>IEEE Wireless Communications Letters</i> , 2021, 10, 710-714.	3.2	11
33	UAV-Assisted 5G/6G Networks: Joint Scheduling and Resource Allocation Based on Asynchronous Reinforcement Learning. , 2021, , .		10
34	Real-time indoor positioning system for a smart workshop using white LEDs and a phase-difference-of-arrival approach. <i>Optical Engineering</i> , 2019, 58, 1.	0.5	9
35	NOMA for MIMO Visible Light Communications: A Spatial Domain Perspective. , 2019, , .		8
36	Deep Reinforcement Learning Based Resource Allocation for Heterogeneous Networks. , 2021, , .		5

#	ARTICLE	IF	CITATIONS
37	Performance analysis of angle diversity multi-element receiver in indoor multi-cell visible light communication systems. , 2017, , .		3
38	3D Beamforming Based on Deep Learning for Secure Communication in 5G and Beyond Wireless Networks. , 2021, , .		3
39	Resource Allocation for Multi-User Integrated Visible Light Communication and Positioning Systems. , 2019, , .		2
40	Demonstration of Inter-cell Interference Mitigation in Multi-cell VLC Systems Using Optimized Angle Diversity Receiver. , 2019, , .		2
41	QoS-Driven Optimized Design in A New Integrated Visible Light Communication and Positioning System. , 2020, , .		2
42	Fairness Enhancement for Opportunistic Interference Alignment Algorithm With Low Latency Communications. IEEE Systems Journal, 2020, 14, 5002-5013.	2.9	2
43	Deep Reinforcement Learning Based Big Data Resource Management for 5G/6G Communications. , 2021, , .		2