

# Helin Yang

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2249613/publications.pdf>

Version: 2024-02-01

43  
papers

2,072  
citations

304743

22  
h-index

395702

33  
g-index

44  
all docs

44  
docs citations

44  
times ranked

1854  
citing authors

#	ARTICLE	IF	CITATIONS
1	Deep Reinforcement Learning-Based Multidimensional Resource Management for Energy Harvesting Cognitive NOMA Communications. IEEE Transactions on Communications, 2022, 70, 3110-3125.	7.8	17
2	IRS-Aided Energy-Efficient Secure WBAN Transmission Based on Deep Reinforcement Learning. IEEE Transactions on Communications, 2022, 70, 4162-4174.	7.8	18
3	Deep Reinforcement Learning-Based Intelligent Reflecting Surface for Secure Wireless Communications. IEEE Transactions on Wireless Communications, 2021, 20, 375-388.	9.2	272
4	Intelligent Reflecting Surface Assisted Anti-Jamming Communications: A Fast Reinforcement Learning Approach. IEEE Transactions on Wireless Communications, 2021, 20, 1963-1974.	9.2	124
5	Deep-Reinforcement-Learning-Based Spectrum Resource Management for Industrial Internet of Things. IEEE Internet of Things Journal, 2021, 8, 3476-3489.	8.7	28
6	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
7	UAV-Assisted 5G/6G Networks: Joint Scheduling and Resource Allocation Based on Asynchronous Reinforcement Learning. , 2021, , .		10
8	Deep Reinforcement Learning Based Massive Access Management for Ultra-Reliable Low-Latency Communications. IEEE Transactions on Wireless Communications, 2021, 20, 2977-2990.	9.2	40
9	OFDM-Based Generalized Optical MIMO. Journal of Lightwave Technology, 2021, 39, 6063-6075.	4.6	24
10	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.	14.0	102
11	Deep Reinforcement Learning Based Resource Allocation for Heterogeneous Networks. , 2021, , .		5
12	Deep Reinforcement Learning Based Big Data Resource Management for 5G/6G Communications. , 2021, , .		2
13	3D Beamforming Based on Deep Learning for Secure Communication in 5G and Beyond Wireless Networks. , 2021, , .		3
14	Energy-Efficient Joint Scheduling and Resource Management for UAV-Enabled Multicell Networks. IEEE Systems Journal, 2020, 14, 363-374.	4.6	33
15	An Actor-Critic Deep Reinforcement Learning Approach for Transmission Scheduling in Cognitive Internet of Things Systems. IEEE Systems Journal, 2020, 14, 51-60.	4.6	37
16	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.	11.3	125
17	QoS-Driven Optimized Design-Based Integrated Visible Light Communication and Positioning for Indoor IoT Networks. IEEE Internet of Things Journal, 2020, 7, 269-283.	8.7	51
18	QoS-Driven Optimized Design in A New Integrated Visible Light Communication and Positioning System. , 2020, , .		2

#	ARTICLE	IF	CITATIONS
19	Space Division Multiple Access With Distributed User Grouping for Multi-User MIMO-VLC Systems. IEEE Open Journal of the Communications Society, 2020, 1, 943-956.	6.9	17
20	Integration of Visible Light Communication and Positioning within 5G Networks for Internet of Things. IEEE Network, 2020, 34, 134-140.	6.9	101
21	Deep-Reinforcement-Learning-Based Energy-Efficient Resource Management for Social and Cognitive Internet of Things. IEEE Internet of Things Journal, 2020, 7, 5677-5689.	8.7	43
22	Fairness Enhancement for Opportunistic Interference Alignment Algorithm With Low Latency Communications. IEEE Systems Journal, 2020, 14, 5002-5013.	4.6	2
23	User-Centric MIMO Techniques for Indoor Visible Light Communication Systems. IEEE Systems Journal, 2020, 14, 3202-3213.	4.6	29
24	Coordinated Resource Allocation-Based Integrated Visible Light Communication and Positioning Systems for Indoor IoT. IEEE Transactions on Wireless Communications, 2020, 19, 4671-4684.	9.2	28
25	Artificial-Intelligence-Enabled Intelligent 6G Networks. IEEE Network, 2020, 34, 272-280.	6.9	271
26	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.	4.2	35
27	Reinforcement Learning-Based Intelligent Resource Allocation for Integrated VLCP Systems. IEEE Wireless Communications Letters, 2019, 8, 1204-1207.	5.0	17
28	LED Nonlinearity Estimation and Compensation in VLC Systems Using Probabilistic Bayesian Learning. Applied Sciences (Switzerland), 2019, 9, 2711.	2.5	12
29	Resource Allocation for Multi-User Integrated Visible Light Communication and Positioning Systems. , 2019, , .		2
30	NOMA for MIMO Visible Light Communications: A Spatial Domain Perspective. , 2019, , .		8
31	Demonstration of Inter-cell Interference Mitigation in Multi-cell VLC Systems Using Optimized Angle Diversity Receiver. , 2019, , .		2
32	Flexible-Rate SIC-Free NOMA for Downlink VLC Based on Constellation Partitioning Coding. IEEE Wireless Communications Letters, 2019, 8, 568-571.	5.0	56
33	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.	6.3	120
34	Real-time indoor positioning system for a smart workshop using white LEDs and a phase-difference-of-arrival approach. Optical Engineering, 2019, 58, 1.	1.0	9
35	On the Performance of MIMO-NOMA-Based Visible Light Communication Systems. IEEE Photonics Technology Letters, 2018, 30, 307-310.	2.5	211
36	Demonstration of a Quasi-Gapless Integrated Visible Light Communication and Positioning System. IEEE Photonics Technology Letters, 2018, 30, 2001-2004.	2.5	24

#	ARTICLE	IF	CITATIONS
37	Joint Precoder and Equalizer Design for Multi-User Multi-Cell MIMO VLC Systems. IEEE Transactions on Vehicular Technology, 2018, 67, 11354-11364.	6.3	38
38	Cognitive Multi-Cell Visible Light Communication With Hybrid Underlay/Overlay Resource Allocation. IEEE Photonics Technology Letters, 2018, 30, 1135-1138.	2.5	17
39	Reduction of SINR Fluctuation in Indoor Multi-Cell VLC Systems Using Optimized Angle Diversity Receiver. Journal of Lightwave Technology, 2018, 36, 3603-3610.	4.6	72
40	Secure and private NOMA VLC using OFDM with two-level chaotic encryption. Optics Express, 2018, 26, 34031.	3.4	28
41	Robust Transceiver Design Based on Interference Alignment for Multi-User Multi-Cell MIMO Networks With Channel Uncertainty. IEEE Access, 2017, 5, 5121-5134.	4.2	12
42	Performance analysis of angle diversity multi-element receiver in indoor multi-cell visible light communication systems. , 2017, , .		3
43	An integrated indoor visible light communication and positioning system based on FBMC-SCM. , 2017, , .		11