Miao Liu

List of Publications by Year
in descending order

29 papers	2,152 citations	516710 16 h-index	642732 23 g-index
29 all docs	29 docs citations	29 times ranked	2075 citing authors

#	Article	IF	Citations
1	Data-Driven Deep Learning for Automatic Modulation Recognition in Cognitive Radios. IEEE Transactions on Vehicular Technology, 2019, 68, 4074-4077.	6.3	498
2	6G: Opening New Horizons for Integration of Comfort, Security, and Intelligence. IEEE Wireless Communications, 2020, 27, 126-132.	9.0	442
3	Deep Cognitive Perspective: Resource Allocation for NOMA-Based Heterogeneous IoT With Imperfect SIC. IEEE Internet of Things Journal, 2019, 6, 2885-2894.	8.7	208
4	LightAMC: Lightweight Automatic Modulation Classification via Deep Learning and Compressive Sensing. IEEE Transactions on Vehicular Technology, 2020, 69, 3491-3495.	6.3	180
5	DSF-NOMA: UAV-Assisted Emergency Communication Technology in a Heterogeneous Internet of Things. IEEE Internet of Things Journal, 2019, 6, 5508-5519.	8.7	175
6	Deep Learning-Inspired Message Passing Algorithm for Efficient Resource Allocation in Cognitive Radio Networks. IEEE Transactions on Vehicular Technology, 2019, 68, 641-653.	6.3	156
7	UL-CSI Data Driven Deep Learning for Predicting DL-CSI in Cellular FDD Systems. IEEE Access, 2019, 7, 96105-96112.	4.2	75
8	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
9	UAV-Aided Air-to-Ground Cooperative Nonorthogonal Multiple Access. IEEE Internet of Things Journal, 2020, 7, 2704-2715.	8.7	55
10	Multiple Unmanned-Aerial-Vehicles Deployment and User Pairing for Nonorthogonal Multiple Access Schemes. IEEE Internet of Things Journal, 2021, 8, 1883-1895.	8.7	50
11	Dynamic User Grouping-Based NOMA Over Rayleigh Fading Channels. IEEE Access, 2019, 7, 110964-110971.	4.2	44
12	Cross-Layer Resource Allocation for UAV-Assisted Wireless Caching Networks With NOMA. IEEE Transactions on Vehicular Technology, 2021, 70, 3428-3438.	6.3	28
13	Smoothing-Aided Support Vector Machine Based Nonstationary Video Traffic Prediction Towards B5G Networks. IEEE Transactions on Vehicular Technology, 2020, 69, 7493-7502.	6.3	23
14	Joint UL/DL Resource Allocation for UAV-Aided Full-Duplex NOMA Communications. IEEE Transactions on Communications, 2021, 69, 8474-8487.	7.8	22
15	QoS-Oriented Dynamic Power Allocation in NOMA-Based Wireless Caching Networks. IEEE Wireless Communications Letters, 2021, 10, 82-86.	5.0	19
16	Semi-Supervised Machine Learning Aided Anomaly Detection Method in Cellular Networks. IEEE Transactions on Vehicular Technology, 2020, 69, 8459-8467.	6.3	17
17	Unsupervised Learning-Inspired Power Control Methods for Energy-Efficient Wireless Networks Over Fading Channels. IEEE Transactions on Wireless Communications, 2022, 21, 9892-9905.	9.2	16
18	Secrecy Outage Analysis of Transmit Antenna Selection Assisted With Wireless Power Beacon. IEEE Transactions on Vehicular Technology, 2020, 69, 7473-7482.	6.3	15

#	Article	IF	Citations
19	Toward Self-Adaptive Selection of Kernel Functions for Support Vector Regression in IoT-Based Marine Data Prediction. IEEE Internet of Things Journal, 2020, 7, 9943-9952.	8.7	14
20	Anti-Shadowing Resource Allocation for General Mobile Cognitive Radio Networks. IEEE Access, 2018, 6, 5618-5632.	4.2	11
21	Convolutional Neural Network Aided Signal Modulation Recognition in OFDM Systems. , 2020, , .		11
22	Generalized Flight Delay Prediction Method Using Gradient Boosting Decision Tree. , 2020, , .		8
23	Complex Deep Neural Network Based Intelligent Signal Detection Methods for OFDM-IM Systems. , 2021, , .		7
24	Robust automatic modulation classification based on convolutional and recurrent fusion network. Physical Communication, 2020, 43, 101213.	2.1	6
25	FPGA controlled dual buck half bridge three-level inverter. , 2012, , .		4
26	Deep Learning Method for Generalized Modulation Classification under Varying Noise Condition. , 2020, , .		4
27	Reconciliation Problem in Polar Integrated Navigation Considering Coordinate Frame Transformation. IEEE Transactions on Vehicular Technology, 2020, 69, 10375-10379.	6.3	3
28	A weighted-beam-superposition method for mmWave massive MIMO-NOMA systems. Physical Communication, 2021, , 101488.	2.1	1
29	Resource Allocation for UAV-Assisted MIMO-NOMA Wireless Caching Networks. , 2021, , .		1