Zheng Dou

List of Publications by Year
in descending order

60 papers	1,126 citations	687363 13 h-index	642732 23 g-index
60 all docs	60 docs citations	60 times ranked	853 citing authors

#	ARTICLE	IF	CITATIONS
1	Contour Stella Image and Deep Learning for Signal Recognition in the Physical Layer. IEEE Transactions on Cognitive Communications and Networking, 2021, 7, 34-46.	7.9	163
2	An Improved Neural Network Pruning Technology for Automatic Modulation Classification in Edge Devices. IEEE Transactions on Vehicular Technology, 2020, 69, 5703-5706.	6.3	133
3	The individual identification method of wireless device based on dimensionality reduction and machine learning. Journal of Supercomputing, 2019, 75, 3010-3027.	3.6	126
4	Multisensor Fault Diagnosis Modeling Based on the Evidence Theory. IEEE Transactions on Reliability, 2018, 67, 513-521.	4.6	109
5	A Novel Dynamic Spectrum Access Framework Based on Reinforcement Learning for Cognitive Radio Sensor Networks. Sensors, 2016, 16, 1675.	3.8	78
6	A new combination method for multisensor conflict information. Journal of Supercomputing, 2016, 72, 2874-2890.	3.6	60
7	Threats of Adversarial Attacks in DNN-Based Modulation Recognition. , 2020, , .		58
8	Anomaly detection of spectrum in wireless communication via deep auto-encoders. Journal of Supercomputing, 2017, 73, 3161-3178.	3.6	56
9	A New Method of Cognitive Signal Recognition Based on Hybrid Information Entropy and D-S Evidence Theory. Mobile Networks and Applications, 2018, 23, 677-685.	3.3	43
10	The application of deep learning in communication signal modulation recognition. , 2017, , .		31
11	FRACTAL COMPLEXITY-BASED FEATURE EXTRACTION ALGORITHM OF COMMUNICATION SIGNALS. Fractals, 2017, 25, 1740008.	3.7	28
12	An Adaptive Resource Allocation Model With Anti-Jamming in IoT Network. IEEE Access, 2019, 7, 93250-93258.	4.2	27
13	Dynamic threshold-setting for RF-powered cognitive radio networks in non-Gaussian noise. Physical Communication, 2018, 27, 99-105.	2.1	25
14	Time-Related Network Intrusion Detection Model: A Deep Learning Method. , 2019, , .		22
15	Pilot Decontamination Using Asynchronous Fractional Pilot Scheduling in Massive MIMO Systems. Sensors, 2020, 20, 6213.	3.8	19
16	Application of D-S Evidence Fusion Method in the Fault Detection of Temperature Sensor. Mathematical Problems in Engineering, 2014, 2014, 1-6.	1.1	18
17	Single-Event Burnout Hardening of Power UMOSFETs With Integrated Schottky Diode. IEEE Transactions on Electron Devices, 2014, 61, 1464-1469.	3.0	13
18	Automatic recognition of communication signal modulation based on neural network. , 2016, , .		9

#	Article	IF	Citations
19	Communication Protocol Classification Based on LSTM and DBN. IEEE Access, 2020, 8, 91818-91828.	4.2	9
20	Way of operation to improve performance for advanced split-gate resurf stepped oxide UMOSFET. IET Power Electronics, 2014, 7, 2964-2968.	2.1	8
21	Analysis of channel characteristics and channel model for satellite communication system. , 2016, , .		8
22	Dynamic Channel Allocation for Multi-UAVs: A Deep Reinforcement Learning Approach. , 2019, , .		8
23	Performance Analysis of Overlapping Space-Based ADS-B Signal Separation Based on FastICA. , 2019, , .		8
24	The Optimization Model of Target Recognition Based on Wireless Sensor Network. International Journal of Distributed Sensor Networks, 2014, 10, 931235.	2.2	6
25	Image super-resolution via two stage coupled dictionary learning. Multimedia Tools and Applications, 2019, 78, 28453-28460.	3.9	6
26	Tensor Communication Waveform Design With Semi-Blind Receiver in the MIMO System. IEEE Transactions on Vehicular Technology, 2020, 69, 1727-1740.	6.3	6
27	Digital beamforming based on FPGA for phased array radar. , 2017, , .		5
28	A New Distributed Dynamic Spectrum Access Model Based on DQN. , 2020, , .		5
29	Relay Selection and Secure Connectivity Analysis in Energy Harvesting Multi-Hop D2D Networks. IEEE Communications Letters, 2022, 26, 1245-1248.	4.1	4
30	Application of FFT parallel code phase search algorithm in GNSS software. , 2016, , .		3
31	MIMO waveform design using Spectrally Modulated Spectrally Encoded (SMSE) framework. , 2016, , .		3
32	Signal Modulation Classification Based on Deep Belief Network. , 2019, , .		3
33	The comparison of several kinds of time-frequency analysis methods. , 2016, , .		2
34	An improved successive cancellation decoder for polar codes. , 2016, , .		2
35	An optimal design of time division multiple access protocol for data link network. , 2016, , .		2
36	Framework on tensor modulated tensor encoded. , 2016, , .		2

#	Article	IF	Citations
37	A Novel Framework for Wireless Digital Communication Signals via a Tensor Perspective. Wireless Personal Communications, 2018, 99, 509-537.	2.7	2
38	Distortion-Constraint-Based Group Sparse Channel Estimation Under <inline-formula> <tex-math notation="LaTeX">$alpha$ </tex-math> </inline-formula>-Stable Noise. IEEE Access, 2019, 7, 21392-21399.	4.2	2
39	Monitoring and Identification of WiFi Devices for Internet of Things Security. , 2019, , .		2
40	Wavelet transform and cyclic cumulant based modulation classification in wireless network. International Journal of Distributed Sensor Networks, 2019, 15, 155014771989545.	2.2	2
41	Prediction of V2V channel quality under double-Rayleigh fading channels. , 2020, , .		2
42	Design of VHF channel simulator based on SDR platform. , 2016, , .		1
43	Simulation research and implementation of optimal jamming effect on MSK signal. , 2016, , .		1
44	Optimization design of communication-radar integrated waveform generation system. , 2016, , .		1
45	Research on SNR prediction technology based on reservoir computing in wireless transmission of satellite communication system. , 2017, , .		1
46	Implementation of chicken swarm optimization (CSO) with partial transmit sequences for the reduction of PAPR in OFDM system. , 2017, , .		1
47	A Novel Digital-Analog Integrated Communication System Based on the PARATUCK-2 Model. , 2018, , .		1
48	Research on RF Fingerprint Feature Selection Method. , 2020, , .		1
49	A Relay Selection Algorithm in Energy Harvesting Ad-hoc Networks with Interference Constraints. , 2021, , .		1
50	Low complexity and narrow transition band filter banks for software defined radio applications. , 2016, , .		0
51	A construction method of terminated LDPC convolutional codes. , 2016, , .		0
52	A modified dynamic spectrum access method to enhance spectrum efficiency. , 2016, , .		0
53	A secret communication system via SD-SMSE. , 2016, , .		0
54	A GNSS integer ambiguity resolution method based on ambiguity domain search strategy. , 2016, , .		0

#	Article	IF	Citations
55	Small particle reconstruction method via SCA. , 2016, , .		0
56	Sparse media image restoration based on collaborative low rank representation. Multimedia Tools and Applications, 2018, 77, 10051-10062.	3.9	0
57	Improving signal modulation recognition using principal component analysis and compressive sensing. , 2018, , .		0
58	Channel State Discrimination Method Based on Multi-Structure Color Difference Histogram. IEEE Access, 2020, 8, 28782-28798.	4.2	0
59	Cognitive decision engine based on binary particles swarm optimization with nonâ€linear decreasing inertia weight. Concurrency Computation Practice and Experience, 2021, 33, e4975.	2.2	0
60	A Stable Modulation Classification Method in Dynamic Environments Using Improved Genetic Algorithm. , 2020, , .		0