Guan Gui

List of Publications by Year
in descending order

313	10,332	38742 50	40979 93
papers	citations	h-index	g-index

316	316	316	6503
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Deep Learning for Super-Resolution Channel Estimation and DOA Estimation Based Massive MIMO System. IEEE Transactions on Vehicular Technology, 2018, 67, 8549-8560.	6.3	552
2	Data-Driven Deep Learning for Automatic Modulation Recognition in Cognitive Radios. IEEE Transactions on Vehicular Technology, 2019, 68, 4074-4077.	6.3	498
3	6G: Opening New Horizons for Integration of Comfort, Security, and Intelligence. IEEE Wireless Communications, 2020, 27, 126-132.	9.0	442
4	Deep Learning for an Effective Nonorthogonal Multiple Access Scheme. IEEE Transactions on Vehicular Technology, 2018, 67, 8440-8450.	6.3	422
5	Deep-Learning-Based Millimeter-Wave Massive MIMO for Hybrid Precoding. IEEE Transactions on Vehicular Technology, 2019, 68, 3027-3032.	6.3	363
6	A Survey on Resource Allocation for 5G Heterogeneous Networks: Current Research, Future Trends, and Challenges. IEEE Communications Surveys and Tutorials, 2021, 23, 668-695.	39.4	305
7	Caching UAV Assisted Secure Transmission in Hyper-Dense Networks Based on Interference Alignment. IEEE Transactions on Communications, 2018, 66, 2281-2294.	7.8	263
8	Deep Learning for Physical-Layer 5G Wireless Techniques: Opportunities, Challenges and Solutions. IEEE Wireless Communications, 2020, 27, 214-222.	9.0	261
9	UAV-Relaying-Assisted Secure Transmission With Caching. IEEE Transactions on Communications, 2019, 67, 3140-3153.	7.8	216
10	Flight Delay Prediction Based on Aviation Big Data and Machine Learning. IEEE Transactions on Vehicular Technology, 2020, 69, 140-150.	6.3	209
11	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
12	Maximum correntropy criterion based sparse adaptive filtering algorithms for robust channel estimation under non-Gaussian environments. Journal of the Franklin Institute, 2015, 352, 2708-2727.	3.4	188
13	Fast Beamforming Design via Deep Learning. IEEE Transactions on Vehicular Technology, 2020, 69, 1065-1069.	6.3	186
14	LightAMC: Lightweight Automatic Modulation Classification via Deep Learning and Compressive Sensing. IEEE Transactions on Vehicular Technology, 2020, 69, 3491-3495.	6.3	180
15	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
16	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
17	Behavioral Modeling and Linearization of Wideband RF Power Amplifiers Using BiLSTM Networks for 5G Wireless Systems. IEEE Transactions on Vehicular Technology, 2019, 68, 10348-10356.	6.3	149
18	Transceiver Design and Multihop D2D for UAV IoT Coverage in Disasters. IEEE Internet of Things Journal, 2019, 6, 1803-1815.	8.7	132

#	Article	IF	Citations
19	Large-scale real-world radio signal recognition with deep learning. Chinese Journal of Aeronautics, 2022, 35, 35-48.	5.3	105
20	A New Definition of Fairness for Non-Orthogonal Multiple Access. IEEE Communications Letters, 2019, 23, 1267-1271.	4.1	103
21	An Efficient Specific Emitter Identification Method Based on Complex-Valued Neural Networks and Network Compression. IEEE Journal on Selected Areas in Communications, 2021, 39, 2305-2317.	14.0	103
22	Hybrid Deep Learning for Botnet Attack Detection in the Internet-of-Things Networks. IEEE Internet of Things Journal, 2021, 8, 4944-4956.	8.7	98
23	HERO: Human Emotions Recognition for Realizing Intelligent Internet of Things. IEEE Access, 2019, 7, 24321-24332.	4.2	96
24	Throughput Maximization for Hybrid Backscatter Assisted Cognitive Wireless Powered Radio Networks. IEEE Internet of Things Journal, 2018, 5, 2015-2024.	8.7	93
25	Comprehensive Survey on Machine Learning in Vehicular Network: Technology, Applications and Challenges. IEEE Communications Surveys and Tutorials, 2021, 23, 2027-2057.	39.4	92
26	Deep Learning-Based Cooperative Automatic Modulation Classification Method for MIMO Systems. IEEE Transactions on Vehicular Technology, 2020, 69, 4575-4579.	6.3	83
27	A 3-D Non-Stationary Wideband Geometry-Based Channel Model for MIMO Vehicle-to-Vehicle Communications in Tunnel Environments. IEEE Transactions on Vehicular Technology, 2019, 68, 6257-6271.	6.3	81
28	Deep Learning-Based Classification Methods for Remote Sensing Images in Urban Built-Up Areas. IEEE Access, 2019, 7, 36274-36284.	4.2	78
29	Deep Learning Based Improved Classification System for Designing Tomato Harvesting Robot. IEEE Access, 2018, 6, 67940-67950.	4.2	77
30	UL-CSI Data Driven Deep Learning for Predicting DL-CSI in Cellular FDD Systems. IEEE Access, 2019, 7, 96105-96112.	4.2	75
31	Deep Learning-Based Unmanned Surveillance Systems for Observing Water Levels. IEEE Access, 2018, 6, 73561-73571.	4.2	74
32	Classification of High-Spatial-Resolution Remote Sensing Scenes Method Using Transfer Learning and Deep Convolutional Neural Network. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2020, 13, 1986-1995.	4.9	74
33	Machine Learning Aided Air Traffic Flow Analysis Based on Aviation Big Data. IEEE Transactions on Vehicular Technology, 2020, 69, 4817-4826.	6.3	74
34	Wireless Powered Communication Networks Assisted by Backscatter Communication. IEEE Access, 2017, 5, 7254-7262.	4.2	72
35	The Optimal Control Policy for RF-Powered Backscatter Communication Networks. IEEE Transactions on Vehicular Technology, 2018, 67, 2804-2808.	6.3	70
36	ResInNet: A Novel Deep Neural Network With Feature Reuse for Internet of Things. IEEE Internet of Things Journal, 2019, 6, 679-691.	8.7	69

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37	Relay Cooperation Enhanced Backscatter Communication for Internet-of-Things. IEEE Internet of Things Journal, 2019, 6, 2860-2871.	8.7	67
38	Multi-Task Learning for Generalized Automatic Modulation Classification Under Non-Gaussian Noise With Varying SNR Conditions. IEEE Transactions on Wireless Communications, 2021, 20, 3587-3596.	9.2	66
39	Deep Learning-Based Signal Modulation Identification in OFDM Systems. IEEE Access, 2019, 7, 114631-114638.	4.2	62
40	Reconfigurable Intelligent Surfaces Aided mmWave NOMA: Joint Power Allocation, Phase Shifts, and Hybrid Beamforming Optimization. IEEE Transactions on Wireless Communications, 2021, 20, 8393-8409.	9.2	62
41	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
42	Energy Efficiency Maximization in NOMA Enabled Backscatter Communications With QoS Guarantee. IEEE Wireless Communications Letters, 2021, 10, 353-357.	5.0	59
43	A Novel Intrusion Detection Method Based on Lightweight Neural Network for Internet of Things. IEEE Internet of Things Journal, 2022, 9, 9960-9972.	8.7	59
44	Improved least mean square algorithm with application to adaptive sparse channel estimation. Eurasip Journal on Wireless Communications and Networking, 2013, 2013, .	2.4	58
45	Three-Dimensional Non-Stationary Wideband Geometry-Based UAV Channel Model for A2G Communication Environments. IEEE Access, 2019, 7, 26116-26122.	4.2	56
46	Improved adaptive sparse channel estimation based on the least mean square algorithm. , 2013, , .		55
47	UAV-Aided Air-to-Ground Cooperative Nonorthogonal Multiple Access. IEEE Internet of Things Journal, 2020, 7, 2704-2715.	8.7	55
48	Distributed Learning for Automatic Modulation Classification in Edge Devices. IEEE Wireless Communications Letters, 2020, 9, 2177-2181.	5.0	55
49	Co-Robust-ADMM-Net: Joint ADMM Framework and DNN for Robust Sparse Composite Regularization. IEEE Access, 2018, 6, 47943-47952.	4.2	53
50	Automatic Modulation Classification for MIMO Systems via Deep Learning and Zero-Forcing Equalization. IEEE Transactions on Vehicular Technology, 2020, 69, 5688-5692.	6.3	53
51	Deep Learning for Risk Detection and Trajectory Tracking at Construction Sites. IEEE Access, 2019, 7, 30905-30912.	4.2	52
52	Transfer Learning for Semi-Supervised Automatic Modulation Classification in ZF-MIMO Systems. IEEE Journal on Emerging and Selected Topics in Circuits and Systems, 2020, 10, 231-239.	3.6	52
53	An Efficient Intrusion Detection Method Based on Dynamic Autoencoder. IEEE Wireless Communications Letters, 2021, 10, 1707-1711.	5.0	52
54	Frequency-Domain NOMA With Two Sets of Orthogonal Signal Waveforms. IEEE Communications Letters, 2018, 22, 906-909.	4.1	50

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55	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
56	Template Matching-Based Method for Intelligent Invoice Information Identification. IEEE Access, 2019, 7, 28392-28401.	4.2	49
57	Uplink Precoding Optimization for NOMA Cellular-Connected UAV Networks. IEEE Transactions on Communications, 2020, 68, 1271-1283.	7.8	47
58	Deep Learning-Based Automatic Modulation Recognition Method in the Presence of Phase Offset. IEEE Access, 2020, 8, 42841-42847.	4.2	47
59	Auxiliary Vehicle Positioning Based on Robust DOA Estimation With Unknown Mutual Coupling. IEEE Internet of Things Journal, 2020, 7, 5521-5532.	8.7	45
60	Dynamic User Grouping-Based NOMA Over Rayleigh Fading Channels. IEEE Access, 2019, 7, 110964-110971.	4.2	44
61	Multi-Task Cascaded Convolutional Networks Based Intelligent Fruit Detection for Designing Automated Robot. IEEE Access, 2019, 7, 56028-56038.	4.2	44
62	CV-3DCNN: Complex-Valued Deep Learning for CSI Prediction in FDD Massive MIMO Systems. IEEE Wireless Communications Letters, 2021, 10, 266-270.	5.0	44
63	NAS-AMR: Neural Architecture Search-Based Automatic Modulation Recognition for Integrated Sensing and Communication Systems. IEEE Transactions on Cognitive Communications and Networking, 2022, 8, 1374-1386.	7.9	44
64	Lightweight Deep Learning Based Intelligent Edge Surveillance Techniques. IEEE Transactions on Cognitive Communications and Networking, 2020, 6, 1146-1154.	7.9	42
65	Blind Channel Identification Aided Generalized Automatic Modulation Recognition Based on Deep Learning. IEEE Access, 2019, 7, 110722-110729.	4.2	40
66	Compressive Sampled CSI Feedback Method Based on Deep Learning for FDD Massive MIMO Systems. IEEE Transactions on Communications, 2021, 69, 5873-5885.	7.8	39
67	Federated Learning for Automatic Modulation Classification Under Class Imbalance and Varying Noise Condition. IEEE Transactions on Cognitive Communications and Networking, 2022, 8, 86-96.	7.9	39
68	Radio Frequency Fingerprint Identification Based on Slice Integration Cooperation and Heat Constellation Trace Figure. IEEE Wireless Communications Letters, 2022, 11, 543-547.	5.0	39
69	Optimization-Based Access Assignment Scheme for Physical-Layer Security in D2D Communications Underlaying a Cellular Network. IEEE Transactions on Vehicular Technology, 2018, 67, 5766-5777.	6.3	38
70	Principal Component Analysis-Based Broadband Hybrid Precoding for Millimeter-Wave Massive MIMO Systems. IEEE Transactions on Wireless Communications, 2020, 19, 6331-6346.	9.2	37
71	Downlink CSI Feedback Algorithm With Deep Transfer Learning for FDD Massive MIMO Systems. IEEE Transactions on Cognitive Communications and Networking, 2021, 7, 1253-1265.	7.9	35
72	Convolutional Neural Network Based Models for Improving Super-Resolution Imaging. IEEE Access, 2019, 7, 43042-43051.	4.2	32

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73	Optimal Resource Allocation for Wireless Powered Multi-Carrier Backscatter Communication Networks. IEEE Wireless Communications Letters, 2020, 9, 1191-1195.	5.0	32
74	Lightweight Automatic Modulation Classification Based on Decentralized Learning. IEEE Transactions on Cognitive Communications and Networking, 2022, 8, 57-70.	7.9	32
75	Improved adaptive sparse channel estimation using mixed square/fourth error criterion. Journal of the Franklin Institute, 2015, 352, 4579-4594.	3.4	31
76	Stable adaptive sparse filtering algorithms for estimating multipleâ€inputâ€“multipleâ€output channels. IET Communications, 2014, 8, 1032-1040.	2.2	30
77	Rate region analysis in a full-duplex-aided cooperative nonorthogonal multiple-access system. IEEE Access, 2017, 5, 17869-17880.	4.2	29
78	Cross-Layer Resource Allocation for UAV-Assisted Wireless Caching Networks With NOMA. IEEE Transactions on Vehicular Technology, 2021, 70, 3428-3438.	6.3	28
79	Malware Traffic Classification Using Domain Adaptation and Ladder Network for Secure Industrial Internet of Things. IEEE Internet of Things Journal, 2022, 9, 17058-17069.	8.7	28
80	MUSAI-<inline-formula> <tex-math notation="LaTeX">${L}_{{1/2}}$ </tex-math> </inline-formula>: MUltiple Sub-Wavelet-Dictionaries-Based Adaptively-Weighted Iterative Half Thresholding Algorithm for Compressive Imaging. IEEE Access, 2018, 6, 16795-16805.	4.2	27
81	Stacked recurrent neural network for botnet detection in smart homes. Computers and Electrical Engineering, 2021, 92, 107039.	4.8	27
82	Attention Mechanism and Depthwise Separable Convolution Aided 3DCNN for Hyperspectral Remote Sensing Image Classification. Remote Sensing, 2022, 14, 2215.	4.0	27
83	Nonconvex Penalized Regularization for Robust Sparse Recovery in the Presence of <inline-formula> <tex-math notation="LaTeX">$Salpha S$ </tex-math> </inline-formula> Noise. IEEE Access, 2018, 6, 25474-25485.	4.2	26
84	Optimal Time Allocation in Backscatter Assisted Wireless Powered Communication Networks. Sensors, 2017, 17, 1258.	3.8	25
85	Generalized singular value thresholding operator based nonconvex low-rank and sparse decomposition for moving object detection. Journal of the Franklin Institute, 2019, 356, 10138-10154.	3.4	25
86	Secure Beamforming for Multiple Intelligent Reflecting Surfaces Aided mmWave Systems. IEEE Communications Letters, 2021, 25, 417-421.	4.1	25
87	SALDR: Joint Self-Attention Learning and Dense Refine for Massive MIMO CSI Feedback With Multiple Compression Ratio. IEEE Wireless Communications Letters, 2021, 10, 1899-1903.	5.0	25
88	Improved Cross-Label Suppression Dictionary Learning for Face Recognition. IEEE Access, 2018, 6, 48716-48725.	4.2	24
89	CNN-based intelligent safety surveillance in green IoT applications. China Communications, 2021, 18, 108-119.	3.2	24
90	Computed Tomography Analysis of Li-Ion Battery Case Ruptures. Fire Technology, 2020, 56, 2565-2578.	3.0	24

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91	From group sparse coding to rank minimization: A novel denoising model for low-level image restoration. Signal Processing, 2020, 176, 107655.	3.7	23
92	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
93	On the foundation of NOMA and its application to 5G cellular networks. , 2018, , .		22
94	Improved Hybrid Precoding Scheme for mmWave Large-Scale MIMO Systems. IEEE Access, 2019, 7, 12027-12034.	4.2	22
95	Enhanced Echo-State Restricted Boltzmann Machines for Network Traffic Prediction. IEEE Internet of Things Journal, 2020, 7, 1287-1297.	8.7	22
96	Joint UL/DL Resource Allocation for UAV-Aided Full-Duplex NOMA Communications. IEEE Transactions on Communications, 2021, 69, 8474-8487.	7.8	22
97	Deep learning based automatic diagnosis of first-episode psychosis, bipolar disorder and healthy controls. Computerized Medical Imaging and Graphics, 2021, 89, 101882.	5.8	22
98	Adaptive Deep Learning Aided Digital Predistorter Considering Dynamic Envelope. IEEE Transactions on Vehicular Technology, 2020, 69, 4487-4491.	6.3	21
99	Semisupervised Federated-Learning-Based Intrusion Detection Method for Internet of Things. IEEE Internet of Things Journal, 2023, 10, 8645-8657.	8.7	21
100	Highâ€resolution compressive channel estimation for broadband wireless communication systems. International Journal of Communication Systems, 2014, 27, 2396-2407.	2.5	20
101	Sparse LMS/F algorithms with application to adaptive system identification. Wireless Communications and Mobile Computing, 2015, 15, 1649-1658.	1.2	20
102	RSS-Based Method for Sensor Localization with Unknown Transmit Power and Uncertainty in Path Loss Exponent. Sensors, 2016, 16, 1452.	3.8	20
103	Power Allocation Strategy of Maximizing Secrecy Rate for Secure Directional Modulation Networks. IEEE Access, 2018, 6, 38794-38801.	4.2	20
104	Deep Learning-Based Channel Estimation for Massive MIMO Systems With Pilot Contamination. IEEE Open Journal of Vehicular Technology, 2021, 2, 67-77.	4.9	20
105	Edge Device Identification Based on Federated Learning and Network Traffic Feature Engineering. IEEE Transactions on Cognitive Communications and Networking, 2022, 8, 1898-1909.	7.9	20
106	Medium- and Long-Term Precipitation Forecasting Method Based on Data Augmentation and Machine Learning Algorithms. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2022, 15, 1000-1011.	4.9	20
107	Deep Learning-Aided OCR Techniques for Chinese Uppercase Characters in the Application of Internet of Things. IEEE Access, 2019, 7, 47043-47049.	4.2	19
108	Surveillance Plane Aided Air-Ground Integrated Vehicular Networks: Architectures, Applications, and Potential. IEEE Wireless Communications, 2020, 27, 122-128.	9.0	19

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109	QoS-Oriented Dynamic Power Allocation in NOMA-Based Wireless Caching Networks. IEEE Wireless Communications Letters, 2021, 10, 82-86.	5.0	19
110	Uplink Achievable Rate Maximization for Reconfigurable Intelligent Surface Aided Millimeter Wave Systems With Resolution-Adaptive ADCs. IEEE Wireless Communications Letters, 2021, 10, 1608-1612.	5.0	19
111	Recursive Generalized Maximum Correntropy Criterion Algorithm with Sparse Penalty Constraints for System Identification. Asian Journal of Control, 2017, 19, 1164-1172.	3.0	18
112	Throughput Maximization in Backscatter Assisted Wireless Powered Communication Networks. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2017, E100.A, 1353-1357.	0.3	18
113	Dimension-Reduced Direction-of-Arrival Estimation Based on $ell_{2,1}$ -Norm Penalty. IEEE Access, 2018, 6, 44433-44444.	4.2	18
114	A Novel Estimated Wideband Geometry-Based Vehicle-to-Vehicle Channel Model Using an AoD and AoA Estimation Algorithm. IEEE Access, 2019, 7, 35124-35131.	4.2	18
115	Robust Resource Allocation for Two-Tier HetNets: An Interference-Efficiency Perspective. IEEE Transactions on Green Communications and Networking, 2021, 5, 1514-1528.	5.5	18
116	Multiscale Network Traffic Prediction Method Based on Deep Echo-State Network for Internet of Things. IEEE Internet of Things Journal, 2022, 9, 21862-21874.	8.7	18
117	Adaptive sparse system identification using normalized least mean fourth algorithm. International Journal of Communication Systems, 2015, 28, 38-48.	2.5	17
118	Background Error Propagation Model Based RDO in HEVC for Surveillance and Conference Video Coding. IEEE Access, 2018, 6, 67206-67216.	4.2	17
119	Multiple-prespecified-dictionary sparse representation for compressive sensing image reconstruction with nonconvex regularization. Journal of the Franklin Institute, 2019, 356, 2353-2371.	3.4	17
120	Semi-Supervised Machine Learning Aided Anomaly Detection Method in Cellular Networks. IEEE Transactions on Vehicular Technology, 2020, 69, 8459-8467.	6.3	17
121	Aviation Data Lake: Using Side Information to Enhance Future Air-Ground Vehicle Networks. IEEE Vehicular Technology Magazine, 2021, 16, 40-48.	3.4	16
122	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
123	Optimal Resource Allocation Policies for Multi-User Backscatter Communication Systems. Sensors, 2016, 16, 2016.	3.8	15
124	Sparse Least Logarithmic Absolute Difference Algorithm with Correntropy-Induced Metric Penalty. Circuits, Systems, and Signal Processing, 2016, 35, 1077-1089.	2.0	15
125	Optimal Time Allocation in Relay Assisted Backscatter Communication Systems. , 2018, , .		15
126	Secrecy Outage Analysis of Transmit Antenna Selection Assisted With Wireless Power Beacon. IEEE Transactions on Vehicular Technology, 2020, 69, 7473-7482.	6.3	15

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127	Generalized nuclear norm and Laplacian scale mixture based low-rank and sparse decomposition for video foreground-background separation. Signal Processing, 2020, 172, 107527.	3.7	15
128	Sub-Nyquist rate ADC sampling-based compressive channel estimation. Wireless Communications and Mobile Computing, 2015, 15, 639-648.	1.2	14
129	AoD-adaptive subspace codebook for channel feedback in FDD massive MIMO systems. , 2017, , .		14
130	Energy Efficiencyâ€“Delay Tradeoff for a Cooperative NOMA System. IEEE Communications Letters, 2019, 23, 732-735.	4.1	14
131	Cell Scene Division and Visualization Based on Autoencoder and K-Means Algorithm. IEEE Access, 2019, 7, 165217-165225.	4.2	14
132	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
133	InMAS: Deep Learning for Designing Intelligent Making System. IEEE Access, 2019, 7, 51104-51111.	4.2	13
134	Nonconvex nonsmooth low-rank minimization for generalized image compressed sensing via group sparse representation. Journal of the Franklin Institute, 2020, 357, 6370-6405.	3.4	13
135	Sum-Rate Maximization in Distributed Intelligent Reflecting Surfaces-Aided mmWave Communications. , 2021, , .		13
136	Variable-step-size based sparse adaptive filtering algorithm for channel estimation in broadband wireless communication systems. Eurasip Journal on Wireless Communications and Networking, 2014, 2014, .	2.4	12
137	Spear and Shield: Attack and Detection for CNN-Based High Spatial Resolution Remote Sensing Images Identification. IEEE Access, 2019, 7, 94583-94592.	4.2	12
138	Switch and Inverter Based Hybrid Precoding Algorithm for mmWave Massive MIMO System: Analysis on Sum-Rate and Energy-Efficiency. IEEE Access, 2019, 7, 49448-49455.	4.2	12
139	Bridging Spatial Modulation With Spatial Multiplexing: Frequency-Domain ESM. IEEE Journal on Selected Topics in Signal Processing, 2019, 13, 1326-1335.	10.8	12
140	Power-Domain NOMA or NOMA-2000?. , 2019, , .		12
141	Hybrid N-Inception-LSTM-Based Aircraft Coordinate Prediction Method for Secure Air Traffic. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 2773-2783.	8.0	12
142	A Novel Approach based on Lightweight Deep Neural Network for Network Intrusion Detection. , 2021, , .		12
143	Deep Reinforcement Learning-based Satellite Handover Scheme for Satellite Communications. , 2021, , .		12
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145	Adaptive beamforming algorithms with robustness against steering vector mismatch of signals. IET Radar, Sonar and Navigation, 2017, 11, 1831-1838.	1.8	11
146	Anti-Shadowing Resource Allocation for General Mobile Cognitive Radio Networks. IEEE Access, 2018, 6, 5618-5632.	4.2	11
147	Interference Mitigation Based on Optimal Modes Selection Strategy and CMA-MIMO Equalization for OAM-MIMO Communications. IEEE Access, 2018, 6, 69850-69859.	4.2	11
148	Resource Allocation for NOMA based Heterogeneous IoT with Imperfect SIC: A Deep Learning Method. , 2018, , .		11
149	SHAFA: sparse hybrid adaptive filtering algorithm to estimate channels in various SNR environments. IET Communications, 2018, 12, 1963-1967.	2.2	11
150	Mode division multiple access: a new scheme based on orbital angular momentum in millimetre wave communications for fifth generation. IET Communications, 2018, 12, 1416-1421.	2.2	11
151	Object-Level Trajectories Based Fine-Grained Action Recognition in Visual IoT Applications. IEEE Access, 2019, 7, 103629-103638.	4.2	11
152	Fatigue EEG Feature Extraction Based on Tasks With Different Physiological States for Ubiquitous Edge Computing. IEEE Access, 2019, 7, 73057-73064.	4.2	11
153	Convolutional Neural Network Aided Signal Modulation Recognition in OFDM Systems. , 2020, , .		11
154	Predicted Decoupling for Coexistence Between WiFi and LTE in Unlicensed Band. IEEE Transactions on Vehicular Technology, 2020, 69, 4130-4141.	6.3	11
155	Federated Learning for DL-CSI Prediction in FDD Massive MIMO Systems. IEEE Wireless Communications Letters, 2021, 10, 1810-1814.	5.0	11
156	Machine-Learning-Aided Trajectory Prediction and Conflict Detection for Internet of Aerial Vehicles. IEEE Internet of Things Journal, 2022, 9, 5882-5894.	8.7	11
157	An Adaptive Vehicle Clustering Algorithm Based on Power Minimization in Vehicular Ad-Hoc Networks. IEEE Transactions on Vehicular Technology, 2022, 71, 2939-2948.	6.3	11
158	Robust adaptive sparse channel estimation in the presence of impulsive noises. , 2015, , .		10
159	Lowâ€complexity largeâ€scale multipleâ€input multipleâ€output channel estimation using affine combination of sparse least mean square filters. IET Communications, 2015, 9, 2168-2175.	2.2	10
160	Sparse Adaptive Iteratively-Weighted Thresholding Algorithm (SAITA) for

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 -Regularization Using the Multiple Sub-Dictionary Representation. Sensors, 2017, 17, 2920. | 3.8 | 10 |
| 161 | Polarimetric objectâ€level SAR imaging method with canonical scattering characterisation by exploiting joint sparsity. IET Radar, Sonar and Navigation, 2017, 11, 1558-1566. | 1.8 | 10 |
| 162 | Compressive Sensing Signal Reconstruction Using L0-Norm Normalized Least Mean Fourth Algorithms. Circuits, Systems, and Signal Processing, 2018, 37, 1724-1752. | 2.0 | 10 |

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163	Deep Learning for Super-Resolution DOA Estimation in Massive MIMO Systems. , 2018, , .		10
164	Recovery of Block-Structured Sparse Signal Using Block-Sparse Adaptive Algorithms via Dynamic Grouping. IEEE Access, 2018, 6, 56069-56083.	4.2	10
165	${ell}_{1/2}$ -Regularization-Based Super-Resolution Sparse Channel Estimation for MmWave Massive MIMO Systems. IEEE Access, 2019, 7, 75837-75844.	4.2	10
166	Echo-State Restricted Boltzmann Machines: A Perspective on Information Compensation. IEEE Access, 2019, 7, 16281-16290.	4.2	10
167	Fully Convolutional Neural Network-Based CSI Limited Feedback for FDD Massive MIMO Systems. IEEE Transactions on Cognitive Communications and Networking, 2022, 8, 672-682.	7.9	10
168	Structured Matching Pursuit for Reconstruction of Dynamic Sparse Channels. , 2015, , .		9
169	Throughput maximization in backscatter assisted wireless powered communication networks with battery constraint. , 2017, , .		9
170	Robust Widely Linear Beamforming via the Techniques of Iterative QCQP and Shrinkage for Steering Vector Estimation. IEEE Access, 2018, 6, 17143-17152.	4.2	9
171	En-route Multilateration System Based on ADS-B and TDOA/AOA for Flight Surveillance Systems. , 2020, , .		9
172	Differentiable Architecture Search-Based Automatic Modulation Classification. , 2021, , .		9
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174	A Survey of Blind Modulation Classification Techniques for OFDM Signals. Sensors, 2022, 22, 1020.	3.8	9
175	Robust stochastic gradient-based adaptive filtering algorithms to realize compressive sensing against impulsive interferences. , 2016, , .		8
176	Objectâ€level SAR imaging method with canonical scattering characterisation and interâ€subdictionary interferences mitigation. IET Radar, Sonar and Navigation, 2016, 10, 784-790.	1.8	8
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