Guan Gui

List of Publications by Year in Descending Order

265 papers	5,786 citations	36 h-index	69 g-index
316 ext. papers	7,961 ext. citations	4.4 avg, IF	7.01 L-index

#	Paper	IF	Citations
265	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	4.7	3
264	An Adaptive Vehicle Clustering Algorithm Based on Power Minimization in Vehicular Ad-hoc Networks. *IEEE Transactions on Vehicular Technology*, **2022**, 1-1	6.8	0
263	Deep Residual Network with Transfer Learning for High Spatial Resolution Remote Sensing Scenes Classification. *Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering*, **2022**, 315-325	0.2	0
262	An effective hybrid V2V/V2I transmission latency method based on LSTM neural network. *Physical Communication*, **2022**, 51, 101562	2.2	1
261	NAS-AMR: Neural Architecture Search Based Automatic Modulation Recognition for Integrated Sensing and Communication Systems. *IEEE Transactions on Cognitive Communications and Networking*, **2022**, 1-1	6.6	2
260	Attention Mechanism and Depthwise Separable Convolution Aided 3DCNN for Hyperspectral Remote Sensing Image Classification. *Remote Sensing*, **2022**, 14, 2215	5	4
259	Semi-Supervised Federated Learning Based Intrusion Detection Method for Internet of Things. *IEEE Internet of Things Journal*, **2022**, 1-1	10.7	1
258	Malware Traffic Classification using Domain Adaptation and Ladder Network for Secure Industrial Internet of Things. *IEEE Internet of Things Journal*, **2021**, 1-1	10.7	3
257	Radio Frequency Fingerprint Identification Based on Slice Integration Cooperation and Heat Constellation Trace Figure. *IEEE Wireless Communications Letters*, **2021**, 1-1	5.9	7
256	Fully Convolutional Neural Network Based CSI Limited Feedback for FDD Massive MIMO Systems. *IEEE Transactions on Cognitive Communications and Networking*, **2021**, 1-1	6.6	2
255	A Novel Intrusion Detection Method Based on Lightweight Neural Network for Internet of Things. *IEEE Internet of Things Journal*, **2021**, 1-1	10.7	5
254	Binary Neural Networks for Wireless Interference Identification. *IEEE Wireless Communications Letters*, **2021**, 1-1	5.9	2
253	Large-scale real-world radio signal recognition with deep learning. *Chinese Journal of Aeronautics*, **2021**,	3.7	17
252	A weighted-beam-superposition method for mmWave massive MIMO-NOMA systems. *Physical Communication*, **2021**, 101488	2.2	0
251	High Spatial Resolution Remote Sensing Classification with Lightweight CNN Using Dilated Convolution. *Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering*, **2021**, 757-767	0.2	
250	Sum-Rate Maximization in Distributed Intelligent Reflecting Surfaces-Aided mmWave Communications **2021**,		1
249	Downlink Channel State Information Limited Feedback Using Fully Convolutional Network **2021**,		1

248	A Novel Approach based on Lightweight Deep Neural Network for Network Intrusion Detection **2021**,		4
247	Differentiable Architecture Search-Based Automatic Modulation Classification **2021**,		3
246	Deep learning based automatic diagnosis of first-episode psychosis, bipolar disorder and healthy controls. *Computerized Medical Imaging and Graphics*, **2021**, 89, 101882	7.6	4
245	Cross-Layer Resource Allocation for UAV-Assisted Wireless Caching Networks With NOMA. *IEEE Transactions on Vehicular Technology*, **2021**, 70, 3428-3438	6.8	7
244	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	9.6	24
243	Joint offloading and energy optimization for wireless powered mobile edge computing under nonlinear EH Model. *Peer-to-Peer Networking and Applications*, **2021**, 14, 2248-2261	3.1	2
242	Stacked recurrent neural network for botnet detection in smart homes. *Computers and Electrical Engineering*, **2021**, 92, 107039	4.3	10
241	Secure Beamforming for Multiple Intelligent Reflecting Surfaces Aided mmWave Systems. *IEEE Communications Letters*, **2021**, 25, 417-421	3.8	4
240	QoS-Oriented Dynamic Power Allocation in NOMA-Based Wireless Caching Networks. *IEEE Wireless Communications Letters*, **2021**, 10, 82-86	5.9	12
239	Energy Efficiency Maximization in NOMA Enabled Backscatter Communications With QoS Guarantee. *IEEE Wireless Communications Letters*, **2021**, 10, 353-357	5.9	24
238	Hybrid Deep Learning for Botnet Attack Detection in the Internet-of-Things Networks. *IEEE Internet of Things Journal*, **2021**, 8, 4944-4956	10.7	28
237	Aviation Data Lake: Using Side Information to Enhance Future Air-Ground Vehicle Networks. *IEEE Vehicular Technology Magazine*, **2021**, 16, 40-48	9.9	5
236	CV-3DCNN: Complex-Valued Deep Learning for CSI Prediction in FDD Massive MIMO Systems. *IEEE Wireless Communications Letters*, **2021**, 10, 266-270	5.9	18
235	Multiple Unmanned-Aerial-Vehicles Deployment and User Pairing for Nonorthogonal Multiple Access Schemes. *IEEE Internet of Things Journal*, **2021**, 8, 1883-1895	10.7	14
234	Reconfigurable Intelligent Surfaces Aided mmWave NOMA: Joint Power Allocation, Phase Shifts, and Hybrid Beamforming Optimization. *IEEE Transactions on Wireless Communications*, **2021**, 1-1	9.6	16
233	. *China Communications*, **2021**, 18, 108-119	3	8
232	Joint UL/DL Resource Allocation for UAV-Aided Full-Duplex NOMA Communications. *IEEE Transactions on Communications*, **2021**, 1-1	6.9	4
231	A Generalized Channel Dataset Generator for 5G New Radio Systems Based on Ray-Tracing. *IEEE Wireless Communications Letters*, **2021**, 1-1	5.9	4

230	Lightweight Automatic Modulation Classification Based on Decentralized Learning. *IEEE Transactions on Cognitive Communications and Networking*, **2021**, 1-1	6.6	6
229	A Survey on Resource Allocation for 5G Heterogeneous Networks: Current Research, Future Trends, and Challenges. *IEEE Communications Surveys and Tutorials*, **2021**, 23, 668-695	37.1	113
228	Deep Learning-Based Channel Estimation for Massive MIMO Systems With Pilot Contamination. *IEEE Open Journal of Vehicular Technology*, **2021**, 2, 67-77	5.3	6
227	Hybrid N-Inception-LSTM-Based Aircraft Coordinate Prediction Method for Secure Air Traffic. *IEEE Transactions on Intelligent Transportation Systems*, **2021**, 1-11	6.1	3
226	Edge Device Identification Based on Federated Learning and Network Traffic Feature Engineering. *IEEE Transactions on Cognitive Communications and Networking*, **2021**, 1-1	6.6	1
225	Comprehensive Survey on Machine Learning in Vehicular Network: Technology, Applications and Challenges. *IEEE Communications Surveys and Tutorials*, **2021**, 23, 2027-2057	37.1	32
224	Federated Learning for DL-CSI Prediction in FDD Massive MIMO Systems. *IEEE Wireless Communications Letters*, **2021**, 10, 1810-1814	5.9	3
223	. *IEEE Journal on Selected Areas in Communications*, **2021**, 39, 2305-2317	14.2	24
222	Uplink Achievable Rate Maximization for Reconfigurable Intelligent Surface Aided Millimeter Wave Systems With Resolution-Adaptive ADCs. *IEEE Wireless Communications Letters*, **2021**, 10, 1608-1612	5.9	3
221	An Efficient Intrusion Detection Method Based on Dynamic Autoencoder. *IEEE Wireless Communications Letters*, **2021**, 10, 1707-1711	5.9	11
220	Smoothed amplitude flow-based phase retrieval algorithm. *Journal of the Franklin Institute*, **2021**, 358, 7270-7285	4	0
219	Compressive Sampled CSI Feedback Method Based on Deep Learning for FDD Massive MIMO Systems. *IEEE Transactions on Communications*, **2021**, 69, 5873-5885	6.9	10
218	Robust Resource Allocation for Two-Tier HetNets: An Interference-Efficiency Perspective. *IEEE Transactions on Green Communications and Networking*, **2021**, 5, 1514-1528	4	5
217	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	5.9	9
216	Federated user activity analysis via network traffic and deep neural network in mobile wireless networks. *Physical Communication*, **2021**, 48, 101438	2.2	2
215	Generalized automatic modulation recognition method based on distributed learning in the presence of data mismatch problem. *Physical Communication*, **2021**, 48, 101428	2.2	0
214	Machine Learning-Aided Trajectory Prediction and Conflict Detection for Internet of Aerial Vehicles. *IEEE Internet of Things Journal*, **2021**, 1-1	10.7	6
213	Downlink CSI Feedback Algorithm with Deep Transfer Learning for FDD Massive MIMO Systems. *IEEE Transactions on Cognitive Communications and Networking*, **2021**, 1-1	6.6	11

212	Federated Learning for Automatic Modulation Classification under Class Imbalance and Varying Noise Condition. *IEEE Transactions on Cognitive Communications and Networking*, **2021**, 1-1	6.6	5
211	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	4.7	33
210	Semi-Supervised Machine Learning Aided Anomaly Detection Method in Cellular Networks. *IEEE Transactions on Vehicular Technology*, **2020**, 69, 8459-8467	6.8	7
209	Machine Learning Aided Air Traffic Flow Analysis Based on Aviation Big Data. *IEEE Transactions on Vehicular Technology*, **2020**, 69, 4817-4826	6.8	28
208	Secrecy Outage Analysis of Transmit Antenna Selection Assisted With Wireless Power Beacon. *IEEE Transactions on Vehicular Technology*, **2020**, 69, 7473-7482	6.8	9
207	Nonconvex nonsmooth low-rank minimization for generalized image compressed sensing via group sparse representation. *Journal of the Franklin Institute*, **2020**, 357, 6370-6405	4	3
206	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	5.2	20
205	From group sparse coding to rank minimization: A novel denoising model for low-level image restoration. *Signal Processing*, **2020**, 176, 107655	4.4	3
204	Smoothing-Aided Support Vector Machine Based Nonstationary Video Traffic Prediction Towards B5G Networks. *IEEE Transactions on Vehicular Technology*, **2020**, 69, 7493-7502	6.8	8
203	Lightweight Deep Learning Based Intelligent Edge Surveillance Techniques. *IEEE Transactions on Cognitive Communications and Networking*, **2020**, 6, 1146-1154	6.6	19
202	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	10.7	6
201	Auxiliary Vehicle Positioning Based on Robust DOA Estimation With Unknown Mutual Coupling. *IEEE Internet of Things Journal*, **2020**, 7, 5521-5532	10.7	28
200	Deep Learning-Based Automatic Modulation Recognition Method in the Presence of Phase Offset. *IEEE Access*, **2020**, 8, 42841-42847	3.5	17
199	Automatic Modulation Classification for MIMO Systems via Deep Learning and Zero-Forcing Equalization. *IEEE Transactions on Vehicular Technology*, **2020**, 69, 5688-5692	6.8	22
198	Deep Learning Method for Generalized Modulation Classification under Varying Noise Condition **2020**,		3
197	Principal Component Analysis-Based Broadband Hybrid Precoding for Millimeter-Wave Massive MIMO Systems. *IEEE Transactions on Wireless Communications*, **2020**, 19, 6331-6346	9.6	18
196	En-route Multilateration System Based on ADS-B and TDOA/AOA for Flight Surveillance Systems **2020**,		4
195	6G: Opening New Horizons for Integration of Comfort, Security, and Intelligence. *IEEE Wireless Communications*, **2020**, 27, 126-132	13.4	212

194	Generalized nuclear norm and Laplacian scale mixture based low-rank and sparse decomposition for video foreground-background separation. *Signal Processing*, **2020**, 172, 107527	4.4	7
193	Adaptive Deep Learning Aided Digital Predistorter Considering Dynamic Envelope. *IEEE Transactions on Vehicular Technology*, **2020**, 69, 4487-4491	6.8	13
192	Deep Learning-Based Cooperative Automatic Modulation Classification Method for MIMO Systems. *IEEE Transactions on Vehicular Technology*, **2020**, 69, 4575-4579	6.8	38
191	Noise learning based discriminative dictionary learning algorithm for image classification. *Journal of the Franklin Institute*, **2020**, 357, 2492-2513	4	4
190	LightAMC: Lightweight Automatic Modulation Classification via Deep Learning and Compressive Sensing. *IEEE Transactions on Vehicular Technology*, **2020**, 69, 3491-3495	6.8	110
189	Optimal Resource Allocation for Wireless Powered Multi-Carrier Backscatter Communication Networks. *IEEE Wireless Communications Letters*, **2020**, 9, 1191-1195	5.9	16
188	Predicted Decoupling for Coexistence Between WiFi and LTE in Unlicensed Band. *IEEE Transactions on Vehicular Technology*, **2020**, 69, 4130-4141	6.8	6
187	A BER Analysis of NOMA on Rician Fading Channels **2020**,		1
186	Improved Efficient Dictionary Learning with Cross-Label and Group Regularization. *Lecture Notes in Electrical Engineering*, **2020**, 50-58	0.2	
185	An Estimated Wideband V2V Channel Model Using an AoD/AoA Estimation Algorithm. *Wireless Networks*, **2020**, 151-167	0.6	
184	A 3D Non-stationaryWideband Channel Model for MIMO V2V Tunnel Communications. *Wireless Networks*, **2020**, 115-150	0.6	
183	Robust automatic modulation classification based on convolutional and recurrent fusion network. *Physical Communication*, **2020**, 43, 101213	2.2	2
182	Overview of Vehicle-to-Vehicle Channel Modeling in 5G Mobile Systems. *Wireless Networks*, **2020**, 1-14	0.6	1
181	Computed Tomography Analysis of Li-Ion Battery Case Ruptures. *Fire Technology*, **2020**, 56, 2565-2578	3	7
180	Fast Beamforming Design via Deep Learning. *IEEE Transactions on Vehicular Technology*, **2020**, 69, 1065-1069	6.8	101
179	UAV-Aided Air-to-Ground Cooperative Nonorthogonal Multiple Access. *IEEE Internet of Things Journal*, **2020**, 7, 2704-2715	10.7	32
178	Enhanced Echo-State Restricted Boltzmann Machines for Network Traffic Prediction. *IEEE Internet of Things Journal*, **2020**, 7, 1287-1297	10.7	14
177	Channel Modeling in 5G Wireless Communication Systems. *Wireless Networks*, **2020**,	0.6	4

176	Uplink Precoding Optimization for NOMA Cellular-Connected UAV Networks. *IEEE Transactions on Communications*, **2020**, 68, 1271-1283	6.9	26
175	Flight Delay Prediction Based on Aviation Big Data and Machine Learning. *IEEE Transactions on Vehicular Technology*, **2020**, 69, 140-150	6.8	98
174	Convolutional Neural Network Aided Signal Modulation Recognition in OFDM Systems **2020**,		3
173	**2020**,		1
172	Cellular Network Performance using Machine Learning based Quantitative Association Rule Mining Method **2020**,		1
171	Generalized Flight Delay Prediction Method Using Gradient Boosting Decision Tree **2020**,		4
170	Performance Analysis of Uplink Massive Multiuser SM-MIMO System With Imperfect Channel State Information. *IEEE Transactions on Communications*, **2020**, 68, 6200-6214	6.9	2
169	Performance analysis of Power-Domain NOMA and NOMA-2000 on AWGN and Rayleigh fading channels. *Physical Communication*, **2020**, 43, 101185	2.2	4
168	Distributed Learning for Automatic Modulation Classification in Edge Devices. *IEEE Wireless Communications Letters*, **2020**, 9, 2177-2181	5.9	25
167	. *IEEE Wireless Communications*, **2020**, 27, 122-128	13.4	7
166	Efficient combination policies for diffusion adaptive networks. *Peer-to-Peer Networking and Applications*, **2020**, 13, 123-136	3.1	2
165	Deep Learning for Physical-Layer 5G Wireless Techniques: Opportunities, Challenges and Solutions. *IEEE Wireless Communications*, **2020**, 27, 214-222	13.4	130
164	Blind Channel Identification Aided Generalized Automatic Modulation Recognition Based on Deep Learning. *IEEE Access*, **2019**, 7, 110722-110729	3.5	18
163	. *IEEE Access*, **2019**, 7, 118046-118054	3.5	4
162	. *IEEE Access*, **2019**, 7, 73057-73064	3.5	7
161	Analysis ${{L_{{1/2}}}}$ Regularization: Iterative Half Thresholding Algorithm for CS-MRI. *IEEE Access*, **2019**, 7, 79366-79373	3.5	5
160	. *IEEE Access*, **2019**, 7, 96105-96112	3.5	52
159	Dynamic User Grouping-Based NOMA Over Rayleigh Fading Channels. *IEEE Access*, **2019**, 7, 110964-110971	3.5	27

158	Deep Learning-Based Signal Modulation Identification in OFDM Systems. *IEEE Access*, **2019**, 7, 114631-114638	3.5	27
157	User Selection and Transceiver Design for Secure Transmission in MIMO Interference Networks **2019**,		1
156	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	4	14
155	UAV-Relaying-Assisted Secure Transmission With Caching. *IEEE Transactions on Communications*, **2019**, 67, 3140-3153	6.9	153
154	Secure Transmission for Interference Networks: User Selection and Transceiver Design. *IEEE Systems Journal*, **2019**, 13, 2839-2850	4.3	5
153	Deep-Learning-Based Millimeter-Wave Massive MIMO for Hybrid Precoding. *IEEE Transactions on Vehicular Technology*, **2019**, 68, 3027-3032	6.8	251
152	A Novel Estimated Wideband Geometry-Based Vehicle-to-Vehicle Channel Model Using an AoD and AoA Estimation Algorithm. *IEEE Access*, **2019**, 7, 35124-35131	3.5	17
151	Periodic Enhanced Frame Based Long-Short-Term Reference in HEVC for Conference and Surveillance Video Coding. *IEEE Access*, **2019**, 7, 46422-46433	3.5	1
150	InMAS: Deep Learning for Designing Intelligent Making System. *IEEE Access*, **2019**, 7, 51104-51111	3.5	11
149	. *IEEE Access*, **2019**, 7, 49448-49455	3.5	9
148	A New Definition of Fairness for Non-Orthogonal Multiple Access. *IEEE Communications Letters*, **2019**, 23, 1267-1271	3.8	78
147	Robust Polarimetric SAR Imaging Method With Attributed Scattering Characterization. *IEEE Access*, **2019**, 7, 52414-52426	3.5	2
146	Convolutional Neural Network Based Models for Improving Super-Resolution Imaging. *IEEE Access*, **2019**, 7, 43042-43051	3.5	19
145	Bridging Spatial Modulation With Spatial Multiplexing: Frequency-Domain ESM. *IEEE Journal on Selected Topics in Signal Processing*, **2019**, 13, 1326-1335	7.5	10
144	DSF-NOMA: UAV-Assisted Emergency Communication Technology in a Heterogeneous Internet of Things. *IEEE Internet of Things Journal*, **2019**, 6, 5508-5519	10.7	108
143	Echo-State Restricted Boltzmann Machines: A Perspective on Information Compensation. *IEEE Access*, **2019**, 7, 16281-16290	3.5	8
142	Template Matching-Based Method for Intelligent Invoice Information Identification. *IEEE Access*, **2019**, 7, 28392-28401	3.5	27
141	. *IEEE Access*, **2019**, 7, 36274-36284	3.5	49

140	Deep Learning for Risk Detection and Trajectory Tracking at Construction Sites. *IEEE Access*, **2019**, 7, 30905-30912	3.5	32
139	Deep Learning-Aided OCR Techniques for Chinese Uppercase Characters in the Application of Internet of Things. *IEEE Access*, **2019**, 7, 47043-47049	3.5	13
138	Multi-Task Cascaded Convolutional Networks Based Intelligent Fruit Detection for Designing Automated Robot. *IEEE Access*, **2019**, 7, 56028-56038	3.5	25
137	Research on Parallel Compressive Sensing and Application of Multi-Channel Synchronous Acquisition of Heart Sound Signals. *IEEE Access*, **2019**, 7, 30033-30041	3.5	4
136	Improved Hybrid Precoding Scheme for mmWave Large-Scale MIMO Systems. *IEEE Access*, **2019**, 7, 12027-12034	3.5	16
135	Three-Dimensional Non-Stationary Wideband Geometry-Based UAV Channel Model for A2G Communication Environments. *IEEE Access*, **2019**, 7, 26116-26122	3.5	38
134	Sidelobe interference reduced scheduling algorithm for mmWave device-to-device communication networks. *Peer-to-Peer Networking and Applications*, **2019**, 12, 228-240	3.1	6
133	ResInNet: A Novel Deep Neural Network With Feature Reuse for Internet of Things. *IEEE Internet of Things Journal*, **2019**, 6, 679-691	10.7	53
132	Clustered Sparsity-Driven SAR Imaging and Autofocus Algorithm in Structured Phase-Noisy Environments. *IEEE Access*, **2019**, 7, 70200-70211	3.5	1
131	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	6.8	50
130	Adaptive filtering algorithm for direction-of-arrival (DOA) estimation with small snapshots **2019**, 94, 84-95		4
129	Spear and Shield: Attack and Detection for CNN-Based High Spatial Resolution Remote Sensing Images Identification. *IEEE Access*, **2019**, 7, 94583-94592	3.5	5
128	Object-Level Trajectories Based Fine-Grained Action Recognition in Visual IoT Applications. *IEEE Access*, **2019**, 7, 103629-103638	3.5	5
127	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	6.8	89
126	${ell}_{1/2}$ -Regularization-Based Super-Resolution Sparse Channel Estimation for MmWave Massive MIMO Systems. *IEEE Access*, **2019**, 7, 75837-75844	3.5	7
125	WeUp: Wireless User Perception Based on Dimensional Reduction and Semi-Supervised Clustering. *IEEE Access*, **2019**, 7, 146037-146045	3.5	
124	Wireless Powered Communication Networks with Backscatter Communication. *Springer Briefs in Electrical and Computer Engineering*, **2019**, 33-54	0.4	
123	Cognitive Wireless Powered Communication Networks with Hybrid Backscatter Communication. *Springer Briefs in Electrical and Computer Engineering*, **2019**, 55-72	0.4	

122	Smart Phone Aided Intelligent Invoice Reimbursement System. *Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering*, **2019**, 320-329	0.2	
121	Optimized PointNet for 3D Object Classification. *Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering*, **2019**, 271-278	0.2	
120	An Efficient Hybrid Precoding Scheme for mmWave Massive MIMO Systems. *Lecture Notes in Electrical Engineering*, **2019**, 820-829	0.2	
119	Deep Learning Based Adversarial Images Detection. *Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering*, **2019**, 279-286	0.2	
118	Identification of Wireless User Perception Based on Unsupervised Machine Learning. *Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering*, **2019**, 507-515	0.2	
117	Boundary Node Identification in Three Dimensional Wireless Sensor Networks for Surface Coverage. *IEICE Transactions on Information and Systems*, **2019**, E102.D, 1126-1135	0.6	1
116	Data-Driven Deep Learning for Automatic Modulation Recognition in Cognitive Radios. *IEEE Transactions on Vehicular Technology*, **2019**, 68, 4074-4077	6.8	306
115	HERO: Human Emotions Recognition for Realizing Intelligent Internet of Things. *IEEE Access*, **2019**, 7, 24321-24332	3.5	43
114	Energy EfficiencyDelay Tradeoff for a Cooperative NOMA System. *IEEE Communications Letters*, **2019**, 23, 732-735	3.8	9
113	Three-Dimensional Wideband Geometry-Based Stochastic Models for MIMO Vehicle-to-Vehicle Channels **2019**,		1
112	Power-Domain NOMA or NOMA-2000? **2019**,		7
111	Random Forest Algorithm-Based Lightweight Comprehensive Evaluation for Wireless User Perception. *IEEE Access*, **2019**, 7, 173477-173484	3.5	
110	Cell Scene Division and Visualization Based on Autoencoder and K-Means Algorithm. *IEEE Access*, **2019**, 7, 165217-165225	3.5	8
109	Attention GAN-Based Method for Designing Intelligent Making System. *IEEE Access*, **2019**, 7, 163097-163104	3.5	4
108	. *IEEE Access*, **2019**, 7, 166815-166822	3.5	2
107	Uplink Performance of NOMA-2000 with Dynamic User Grouping **2019**,		4
106	Deep Learning-based Automatic Modulation Recognition Algorithm in Non-Cooperative Communication systems **2019**,		2
105	Machine Learning Based Dynamic Correlation on Marine Environmental Data Using Cross-Recurrence Strategy. *IEEE Access*, **2019**, 7, 185121-185130	3.5	1

104	IRIS: Smart Phone Aided Intelligent Reimbursement System Using Deep Learning. *IEEE Access*, **2019**, 7, 165635-165645	3.5	2
103	Robust Resource Allocation and Power Splitting in SWIPT Enabled Heterogeneous Networks: A Robust Minimax Approach. *IEEE Internet of Things Journal*, **2019**, 6, 10799-10811	10.7	40
102	Deep Learning Aided Friendly Coexistence of WiFi and LTE in Unlicensed Bands **2019**,		1
101	Transceiver Design and Multihop D2D for UAV IoT Coverage in Disasters. *IEEE Internet of Things Journal*, **2019**, 6, 1803-1815	10.7	90
100	Deep Learning-Inspired Message Passing Algorithm for Efficient Resource Allocation in Cognitive Radio Networks. *IEEE Transactions on Vehicular Technology*, **2019**, 68, 641-653	6.8	114
99	Relay Cooperation Enhanced Backscatter Communication for Internet-of-Things. *IEEE Internet of Things Journal*, **2019**, 6, 2860-2871	10.7	44
98	Multiple-prespecified-dictionary sparse representation for compressive sensing image reconstruction with nonconvex regularization. *Journal of the Franklin Institute*, **2019**, 356, 2353-2371	4	12
97	Deep Cognitive Perspective: Resource Allocation for NOMA-Based Heterogeneous IoT With Imperfect SIC. *IEEE Internet of Things Journal*, **2019**, 6, 2885-2894	10.7	146
96	MUSAI- ${L}_{{1/2}}$: MUltiple Sub-Wavelet-Dictionaries-Based Adaptively-Weighted Iterative Half Thresholding Algorithm for Compressive Imaging. *IEEE Access*, **2018**, 6, 16795-16805	3.5	27
95	Throughput Maximization for Hybrid Backscatter Assisted Cognitive Wireless Powered Radio Networks. *IEEE Internet of Things Journal*, **2018**, 5, 2015-2024	10.7	69
94	Caching UAV Assisted Secure Transmission in Hyper-Dense Networks Based on Interference Alignment. *IEEE Transactions on Communications*, **2018**, 66, 2281-2294	6.9	205
93	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	6.8	29
92	Power Allocation Strategy of Maximizing Secrecy Rate for Secure Directional Modulation Networks. *IEEE Access*, **2018**, 6, 38794-38801	3.5	12
91	Nonconvex Penalized Regularization for Robust Sparse Recovery in the Presence of $Salpha S$ Noise. *IEEE Access*, **2018**, 6, 25474-25485	3.5	26
90	Robust Widely Linear Beamforming via the Techniques of Iterative QCQP and Shrinkage for Steering Vector Estimation. *IEEE Access*, **2018**, 6, 17143-17152	3.5	8
89	Anti-Shadowing Resource Allocation for General Mobile Cognitive Radio Networks. *IEEE Access*, **2018**, 6, 5618-5632	3.5	7
88	The Optimal Control Policy for RF-Powered Backscatter Communication Networks. *IEEE Transactions on Vehicular Technology*, **2018**, 67, 2804-2808	6.8	53
87	Frequency-Domain NOMA With Two Sets of Orthogonal Signal Waveforms. *IEEE Communications Letters*, **2018**, 22, 906-909	3.8	34

86	A novel adaptive wide-angle SAR imaging algorithm based on Boltzmann machine model. *Multidimensional Systems and Signal Processing*, **2018**, 29, 119-135	1.8	4
85	Variable kernel-based computing algorithms for estimating sparse multipath channels. *International Journal of Communication Systems*, **2018**, 31, e3393	1.7	1
84	Compressive Sensing Signal Reconstruction Using L0-Norm Normalized Least Mean Fourth Algorithms. *Circuits, Systems, and Signal Processing*, **2018**, 37, 1724-1752	2.2	9
83	Deep Learning for Super-Resolution Channel Estimation and DOA Estimation Based Massive MIMO System. *IEEE Transactions on Vehicular Technology*, **2018**, 67, 8549-8560	6.8	348
82	Optimal Time Allocation in Relay Assisted Backscatter Communication Systems **2018**,		12
81	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	1.3	7
80	Data-Prefetching Scheme Based on Playback Delay and Positioning Satisfaction in Peer-To-Peer Video-On-Demand System. *Sensors*, **2018**, 18,	3.8	1
79	Dimension-Reduced Direction-of-Arrival Estimation Based on $\ell_{2,1}$ -Norm Penalty. *IEEE Access* , **2018**, 6, 44433-44444	3.5	16
78	Non-Orthogonal Multiple Access in Wireless Powered Communication Networks with SIC Constraints. *IEICE Transactions on Communications*, **2018**, E101.B, 1094-1101	0.5	4
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