Guan Gui

List of Publications by Citations

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	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
264	Deep Learning for an Effective Nonorthogonal Multiple Access Scheme. *IEEE Transactions on Vehicular Technology*, **2018**, 67, 8440-8450	6.8	318
263	Data-Driven Deep Learning for Automatic Modulation Recognition in Cognitive Radios. *IEEE Transactions on Vehicular Technology*, **2019**, 68, 4074-4077	6.8	306
262	Deep-Learning-Based Millimeter-Wave Massive MIMO for Hybrid Precoding. *IEEE Transactions on Vehicular Technology*, **2019**, 68, 3027-3032	6.8	251
261	6G: Opening New Horizons for Integration of Comfort, Security, and Intelligence. *IEEE Wireless Communications*, **2020**, 27, 126-132	13.4	212
260	Caching UAV Assisted Secure Transmission in Hyper-Dense Networks Based on Interference Alignment. *IEEE Transactions on Communications*, **2018**, 66, 2281-2294	6.9	205
259	UAV-Relaying-Assisted Secure Transmission With Caching. *IEEE Transactions on Communications*, **2019**, 67, 3140-3153	6.9	153
258	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
257	Deep Learning for Physical-Layer 5G Wireless Techniques: Opportunities, Challenges and Solutions. *IEEE Wireless Communications*, **2020**, 27, 214-222	13.4	130
256	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	4	128
255	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
254	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
253	LightAMC: Lightweight Automatic Modulation Classification via Deep Learning and Compressive Sensing. *IEEE Transactions on Vehicular Technology*, **2020**, 69, 3491-3495	6.8	110
252	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
251	Fast Beamforming Design via Deep Learning. *IEEE Transactions on Vehicular Technology*, **2020**, 69, 1065-1069	6.8	101
250	Flight Delay Prediction Based on Aviation Big Data and Machine Learning. *IEEE Transactions on Vehicular Technology*, **2020**, 69, 140-150	6.8	98
249	Transceiver Design and Multihop D2D for UAV IoT Coverage in Disasters. *IEEE Internet of Things Journal*, **2019**, 6, 1803-1815	10.7	90

248	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
247	A New Definition of Fairness for Non-Orthogonal Multiple Access. *IEEE Communications Letters*, **2019**, 23, 1267-1271	3.8	78
246	Throughput Maximization for Hybrid Backscatter Assisted Cognitive Wireless Powered Radio Networks. *IEEE Internet of Things Journal*, **2018**, 5, 2015-2024	10.7	69
245	Wireless Powered Communication Networks Assisted by Backscatter Communication. *IEEE Access*, **2017**, 5, 7254-7262	3.5	58
244	The Optimal Control Policy for RF-Powered Backscatter Communication Networks. *IEEE Transactions on Vehicular Technology*, **2018**, 67, 2804-2808	6.8	53
243	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
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241	Deep Learning-Based Unmanned Surveillance Systems for Observing Water Levels. *IEEE Access*, **2018**, 6, 73561-73571	3.5	52
240	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
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238	Improved least mean square algorithm with application to adaptive sparse channel estimation. *Eurasip Journal on Wireless Communications and Networking*, **2013**, 2013,	3.2	47
237	Relay Cooperation Enhanced Backscatter Communication for Internet-of-Things. *IEEE Internet of Things Journal*, **2019**, 6, 2860-2871	10.7	44
236	HERO: Human Emotions Recognition for Realizing Intelligent Internet of Things. *IEEE Access*, **2019**, 7, 24321-24332	3.5	43
235	Co-Robust-ADMM-Net: Joint ADMM Framework and DNN for Robust Sparse Composite Regularization. *IEEE Access*, **2018**, 6, 47943-47952	3.5	43
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232	Three-Dimensional Non-Stationary Wideband Geometry-Based UAV Channel Model for A2G Communication Environments. *IEEE Access*, **2019**, 7, 26116-26122	3.5	38
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212	Uplink Precoding Optimization for NOMA Cellular-Connected UAV Networks. *IEEE Transactions on Communications*, **2020**, 68, 1271-1283	6.9	26
211	Multi-Task Cascaded Convolutional Networks Based Intelligent Fruit Detection for Designing Automated Robot. *IEEE Access*, **2019**, 7, 56028-56038	3.5	25
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206	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
205	Improved Cross-Label Suppression Dictionary Learning for Face Recognition. *IEEE Access*, **2018**, 6, 48716-48725	3.5	22
204	Optimal Time Allocation in Backscatter Assisted Wireless Powered Communication Networks. *Sensors*, **2017**, 17,	3.8	21
203	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
202	Convolutional Neural Network Based Models for Improving Super-Resolution Imaging. *IEEE Access*, **2019**, 7, 43042-43051	3.5	19
201	Lightweight Deep Learning Based Intelligent Edge Surveillance Techniques. *IEEE Transactions on Cognitive Communications and Networking*, **2020**, 6, 1146-1154	6.6	19
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199	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
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No.	Title	IF	Cit.
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