Wei Xiang

List of Publications by Year
in descending order

355	8,900	66343	60623
papers	citations	42	81
		h-index	g-index

361	361	361	8680
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Internet of Things for Smart Healthcare: Technologies, Challenges, and Opportunities. IEEE Access, 2017, 5, 26521-26544.	4.2	771
2	Heterogeneous Vehicular Networking: A Survey on Architecture, Challenges, and Solutions. IEEE Communications Surveys and Tutorials, 2015, 17, 2377-2396.	39.4	425
3	An IoT-cloud Based Wearable ECG Monitoring System for Smart Healthcare. Journal of Medical Systems, 2016, 40, 286.	3.6	351
4	Broadband Hybrid Satellite-Terrestrial Communication Systems Based on Cognitive Radio toward 5G. IEEE Wireless Communications, 2016, 23, 96-106.	9.0	288
5	Radio resource allocation in LTE-advanced cellular networks with M2M communications. , 2012, 50, 184-192.		281
6	Survey of Large-Scale MIMO Systems. IEEE Communications Surveys and Tutorials, 2015, 17, 1738-1760.	39.4	249
7	Big data-driven optimization for mobile networks toward 5G. IEEE Network, 2016, 30, 44-51.	6.9	243
8	OFDM With Interleaved Subcarrier-Index Modulation. IEEE Communications Letters, 2014, 18, 1447-1450.	4.1	215
9	Internet of Underwater Things and Big Marine Data Analyticsâ€"A Comprehensive Survey. IEEE Communications Surveys and Tutorials, 2021, 23, 904-956.	39.4	192
10	Novel Medical Image Encryption Scheme Based on Chaos and DNA Encoding. IEEE Access, 2019, 7, 36667-36681.	4.2	173
11	Design and Implementation of LPWA-Based Air Quality Monitoring System. IEEE Access, 2016, 4, 3238-3245.	4.2	158
12	Low power wide area machine-to-machine networks: key techniques and prototype. , 2015, 53, 64-71.		154
13	Generalised spatial modulation with multiple active transmit antennas. , 2010, , .		141
14	Clustering Hierarchy Protocol in Wireless Sensor Networks Using an Improved PSO Algorithm. IEEE Access, 2017, 5, 2241-2253.	4.2	129
15	Low-Complexity Signal Detection for Generalized Spatial Modulation. IEEE Communications Letters, 2014, 18, 403-406.	4.1	124
16	Hybridly Connected Structure for Hybrid Beamforming in mmWave Massive MIMO Systems. IEEE Transactions on Communications, 2018, 66, 662-674.	7.8	118
17	An Energy-Efficient Routing Algorithm for Software-Defined Wireless Sensor Networks. IEEE Sensors Journal, 2016, 16, 7393-7400.	4.7	115
18	Internet of Things Cloud: Architecture and Implementation. IEEE Communications Magazine, 2016, 54, 32-39.	6.1	113

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19	10 Gb/s hetsnets with millimeter-wave communications: access and networking - challenges and protocols. , 2015, 53, 222-231.		111
20	SSIM—A Deep Learning Approach for Recovering Missing Time Series Sensor Data. IEEE Internet of Things Journal, 2019, 6, 6618-6628.	8.7	104
21	Design and Performance Analysis of An Energy-Efficient Uplink Carrier Aggregation Scheme. IEEE Journal on Selected Areas in Communications, 2014, 32, 197-207.	14.0	103
22	Efficient Compressive Sensing Detectors for Generalized Spatial Modulation Systems. IEEE Transactions on Vehicular Technology, 2017, 66, 1284-1298.	6.3	100
23	Joint Computation Offloading and Multiuser Scheduling Using Approximate Dynamic Programming in NB-IoT Edge Computing System. IEEE Internet of Things Journal, 2019, 6, 5345-5362.	8.7	94
24	Deep Learning Based Multistep Solar Forecasting for PV Ramp-Rate Control Using Sky Images. IEEE Transactions on Industrial Informatics, 2021, 17, 1397-1406.	11.3	84
25	Energy-Efficient Localization and Tracking of Mobile Devices in Wireless Sensor Networks. IEEE Transactions on Vehicular Technology, 2017, 66, 2714-2726.	6.3	82
26	Secret Key Generation Based on Estimated Channel State Information for TDD-OFDM Systems Over Fading Channels. IEEE Transactions on Wireless Communications, 2017, 16, 5176-5186.	9.2	81
27	Quality-of-experience assessment and its application to video services in lte networks. IEEE Wireless Communications, 2015, 22, 70-78.	9.0	75
28	Underwater Image Restoration Using Color-Line Model. IEEE Transactions on Circuits and Systems for Video Technology, 2019, 29, 907-911.	8.3	75
29	A Graph-Based Cooperative Scheduling Scheme for Vehicular Networks. IEEE Transactions on Vehicular Technology, 2013, 62, 1450-1458.	6.3	72
30	A Deep Learning Model for Network Intrusion Detection with Imbalanced Data. Electronics (Switzerland), 2022, 11, 898.	3.1	71
31	Adaptive Spatial Modulation MIMO Based on Machine Learning. IEEE Journal on Selected Areas in Communications, 2019, 37, 2117-2131.	14.0	70
32	Consensus-Based Smart Grid State Estimation Algorithm. IEEE Transactions on Industrial Informatics, 2018, 14, 3368-3375.	11.3	69
33	Channel, Phase Noise, and Frequency Offset in OFDM Systems: Joint Estimation, Data Detection, and Hybrid Cramér-Rao Lower Bound. IEEE Transactions on Communications, 2014, 62, 3311-3325.	7.8	65
34	Omnidirectional Motion Classification With Monostatic Radar System Using Micro-Doppler Signatures. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 3574-3587.	6.3	60
35	Person Identification Using Micro-Doppler Signatures of Human Motions and UWB Radar. IEEE Microwave and Wireless Components Letters, 2019, 29, 366-368.	3.2	59
36	A deep learning method based on convolutional neural network for automatic modulation classification of wireless signals. Wireless Networks, 2019, 25, 3735-3746.	3.0	57

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37	Multiuser Resource Control With Deep Reinforcement Learning in IoT Edge Computing. IEEE Internet of Things Journal, 2019, 6, 10119-10133.	8.7	50
38	Novel Short-Time Fractional Fourier Transform: Theory, Implementation, and Applications. IEEE Transactions on Signal Processing, 2020, 68, 3280-3295.	5.3	50
39	Land use change and causes in the Xiangxi catchment, Three Gorges Area derived from multispectral data. Journal of Earth Science (Wuhan, China), 2010, 21, 846-855.	3.2	49
40	A Commercial Video-Caching System for Small-Cell Cellular Networks Using Game Theory. IEEE Access, 2016, 4, 7519-7531.	4.2	49
41	An Efficient Bit-Detecting Protocol for Continuous Tag Recognition in Mobile RFID Systems. IEEE Transactions on Mobile Computing, 2018, 17, 503-516.	5.8	49
42	Internet of Things Infrastructure for Wireless Power Transfer Systems. IEEE Access, 2018, 6, 19295-19303.	4.2	47
43	An open source SDR-based NOMA system for 5G networks. IEEE Wireless Communications, 2015, 22, 24-32.	9.0	46
44	Transmit Antenna Selection Schemes for Spatial Modulation Systems: Search Complexity Reduction and Large-Scale MIMO Applications. IEEE Transactions on Vehicular Technology, 2017, 66, 8010-8021.	6.3	46
45	Dynamic Energy Dispatch Based on Deep Reinforcement Learning in IoT-Driven Smart Isolated Microgrids. IEEE Internet of Things Journal, 2021, 8, 7938-7953.	8.7	45
46	Frame Loss Concealment for Multiview Video Transmission Over Wireless Multimedia Sensor Networks. IEEE Sensors Journal, 2015, 15, 1892-1901.	4.7	43
47	Light Field Multi-View Video Coding With Two-Directional Parallel Inter-View Prediction. IEEE Transactions on Image Processing, 2016, 25, 5104-5117.	9.8	43
48	Outage Performance for Compute-and-Forward in Generalized Multi-Way Relay Channels. IEEE Communications Letters, 2012, 16, 2099-2102.	4.1	42
49	Cooperative jamming and power allocation with untrusty two‐way relay nodes. IET Communications, 2014, 8, 2290-2297.	2.2	42
50	A Low-Complexity Detection Scheme for Differential Spatial Modulation. IEEE Communications Letters, 2015, 19, 1516-1519.	4.1	41
51	A Time- and Energy-Aware Collision Tree Protocol for Efficient Large-Scale RFID Tag Identification. IEEE Transactions on Industrial Informatics, 2018, 14, 2406-2417.	11.3	41
52	A hybrid neural network for continuous and non-invasive estimation of blood pressure from raw electrocardiogram and photoplethysmogram waveforms. Computer Methods and Programs in Biomedicine, 2021, 207, 106191.	4.7	41
53	Big video data for light-field-based 3D telemedicine. IEEE Network, 2016, 30, 30-38.	6.9	40
54	Secrecy Capacity Enhancement With Distributed Precoding in Multirelay Wiretap Systems. IEEE Transactions on Information Forensics and Security, 2013, 8, 229-238.	6.9	39

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55	Joint Optimization of Energy Consumption and Packet Scheduling for Mobile Edge Computing in Cyber-Physical Networks. IEEE Access, 2018, 6, 15576-15586.	4.2	38
56	Adaptive SM-MIMO for mmWave Communications With Reduced RF Chains. IEEE Journal on Selected Areas in Communications, 2017, 35, 1472-1485.	14.0	37
57	Semi-Supervised Salient Object Detection Using a Linear Feedback Control System Model. IEEE Transactions on Cybernetics, 2019, 49, 1173-1185.	9.5	37
58	Forward Error Correction-Based 2-D Layered Multiple Description Coding for Error-Resilient H.264 SVC Video Transmission. IEEE Transactions on Circuits and Systems for Video Technology, 2009, 19, 1730-1738.	8.3	35
59	Smart grid state estimation and stabilisation. International Journal of Electrical Power and Energy Systems, 2018, 102, 152-159.	5.5	35
60	Rate-Distortion Optimized Mode Switching for Error-Resilient Multi-View Video Plus Depth Based 3-D Video Coding. IEEE Transactions on Multimedia, 2014, 16, 1797-1808.	7.2	34
61	Space-Time Block Coded Differential Spatial Modulation. IEEE Transactions on Vehicular Technology, 2017, 66, 8821-8834.	6.3	34
62	IoT Communications Network for Wireless Power Transfer System State Estimation and Stabilization. IEEE Internet of Things Journal, 2018, 5, 4142-4150.	8.7	34
63	Optimizing Federated Learning With Deep Reinforcement Learning for Digital Twin Empowered Industrial IoT. IEEE Transactions on Industrial Informatics, 2023, 19, 1884-1893.	11.3	34
64	IoT-Based State Estimation for Microgrids. IEEE Internet of Things Journal, 2018, 5, 1345-1346.	8.7	33
65	Anypath Routing Protocol Design via Q-Learning for Underwater Sensor Networks. IEEE Internet of Things Journal, 2021, 8, 8173-8190.	8.7	33
66	Energy-Aware Coded Caching Strategy Design With Resource Optimization for Satellite-UAV-Vehicle-Integrated Networks. IEEE Internet of Things Journal, 2022, 9, 5799-5811.	8.7	30
67	Channel Distortion Modeling for Multi-View Video Transmission Over Packet-Switched Networks. IEEE Transactions on Circuits and Systems for Video Technology, 2011, 21, 1679-1692.	8.3	29
68	A Low Complexity Detection Algorithm for Fixed Up-Link SCMA System in Mission Critical Scenario. IEEE Internet of Things Journal, 2018, 5, 3289-3297.	8.7	29
69	Joint Beam and Resource Allocation in 5G mmWave Small Cell Systems. IEEE Transactions on Vehicular Technology, 2019, 68, 10272-10277.	6.3	27
70	MemTorch: An Open-source Simulation Framework for Memristive Deep Learning Systems. Neurocomputing, 2022, 485, 124-133.	5.9	27
71	An Adaptive Anti-Collision Protocol for Large-Scale RFID Tag Identification. IEEE Wireless Communications Letters, 2014, 3, 601-604.	5.0	26
72	Block-FFT Based OMP for Compressed Channel Estimation in Underwater Acoustic Communications. IEEE Communications Letters, 2015, 19, 1937-1940.	4.1	26

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73	On the capacity and normalization of ISI channels. IEEE Transactions on Information Theory, 2003, 49, 2263-2268.	2.4	25
74	Linear Canonical Matched Filter: Theory, Design, and Applications. IEEE Transactions on Signal Processing, 2018, 66, 6404-6417.	5.3	25
75	On Pilot Spoofing Attack in Massive MIMO Systems: Detection and Countermeasure. IEEE Transactions on Information Forensics and Security, 2021, 16, 1396-1409.	6.9	25
76	Unsupervised Domain Adaptation for Micro-Doppler Human Motion Classification via Feature Fusion. IEEE Geoscience and Remote Sensing Letters, 2019, 16, 392-396.	3.1	24
77	Unequal error protection scheme based hierarchical 16-QAM for 3-D video transmission. IEEE Transactions on Consumer Electronics, 2012, 58, 731-738.	3.6	23
78	Landslide susceptibility analysis based on ArcGIS and Artificial Neural Network for a large catchment in Three Gorges region, China. Environmental Earth Sciences, 2014, 72, 1925-1938.	2.7	23
79	Precoding and Cooperative Jamming in Multi- Antenna Two-Way Relaying Wiretap Systems Without Eavesdropper's Channel State Information. IEEE Transactions on Information Forensics and Security, 2017, 12, 1309-1318.	6.9	23
80	Energy-Efficient Hybrid Precoder With Adaptive Overlapped Subarrays for Large-Array mmWave Systems. IEEE Transactions on Wireless Communications, 2020, 19, 1484-1502.	9.2	23
81	Theory and practice of ionic soil stabilizer reinforcing special clay. Journal of Earth Science (Wuhan,) Tj ETQq1 1 0.784314 rgBT /Overl	3.2	22
82	A sampling theorem for the fractional Fourier transform without band-limiting constraints. Signal Processing, 2014, 98, 158-165.	3.7	22
83	SMDP-Based Radio Resource Allocation Scheme in Software-Defined Internet of Things Networks. IEEE Sensors Journal, 2016, 16, 7304-7314.	4.7	22
84	Time-Domain Turbo Equalization for Single-Carrier Generalized Spatial Modulation. IEEE Transactions on Wireless Communications, 2017, 16, 5702-5716.	9.2	22
85	Continuous and automatic mortality risk prediction using vital signs in the intensive care unit: a hybrid neural network approach. Scientific Reports, 2020, 10, 21282.	3.3	22
86	Novel Fractional Wavelet Packet Transform: Theory, Implementation, and Applications. IEEE Transactions on Signal Processing, 2020, 68, 4041-4054.	5.3	22
87	Deep Scattering Network With Fractional Wavelet Transform. IEEE Transactions on Signal Processing, 2021, 69, 4740-4757.	5.3	22
88	Improved Sine-Tangent chaotic map with application in medical images encryption. Journal of Information Security and Applications, 2022, 66, 103131.	2.5	22
89	Proportional Fair Resource Partition for LTE-Advanced Networks with Type I Relay Nodes. , 2011, , .		21
90	Research on water–rock (soil) interaction by dynamic tracing method for Huangtupo landslide, Three Gorges Reservoir, PR China. Environmental Earth Sciences, 2015, 74, 557-571.	2.7	21

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91	Multi-Relay Communications in the Presence of Phase Noise and Carrier Frequency Offsets. IEEE Transactions on Communications, 2017, 65, 79-94.	7.8	21
92	Waterproof, low-cost, long-battery-life sound trap for surveillance of male Aedes aegypti for rear-and-release mosquito control programmes. Parasites and Vectors, 2019, 12, 417.	2.5	21
93	Coded Storage-and-Computation: A New Paradigm to Enhancing Intelligent Services in Space-Air-Ground Integrated Networks. IEEE Wireless Communications, 2020, 27, 44-51.	9.0	21
94	Downlink Performance of Massive-MIMO Systems Using EVD-Based Channel Estimation. IEEE Transactions on Vehicular Technology, 2017, 66, 3045-3058.	6.3	20
95	Monitoring the Smart Grid Incorporating Turbines and Vehicles. IEEE Access, 2018, 6, 45485-45492.	4.2	19
96	Fourth Order MCA and Chaos-Based Image Encryption Scheme. IEEE Access, 2019, 7, 66395-66409.	4.2	19
97	Stable isotopes of deep soil water retain long-term evaporation loss on China's Loess Plateau. Science of the Total Environment, 2021, 784, 147153.	8.0	19
98	Dynamic downlink aggregation carrier scheduling scheme for wireless networks. IET Communications, 2014, 8, 114-123.	2.2	17
99	Sea Surface Temperature Forecasting With Ensemble of Stacked Deep Neural Networks. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	17
100	A Novel Occlusion-aware Vote Cost for Light Field Depth Estimation. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2021, PP, 1-1.	13.9	17
101	Region-of-Interest Compression and View Synthesis for Light Field Video Streaming. IEEE Access, 2019, 7, 41183-41192.	4.2	16
102	SeeCucumbers: Using Deep Learning and Drone Imagery to Detect Sea Cucumbers on Coral Reef Flats. Drones, 2021, 5, 28.	4.9	16
103	Classification of Diabetic Foot Ulcers Using Class Knowledge Banks. Frontiers in Bioengineering and Biotechnology, 2021, 9, 811028.	4.1	16
104	Unequal error protection applied to JPEG image transmission using turbo codes. , 0, , .		15
105	A Novel QoE-Based Carrier Scheduling Scheme in LTE-Advanced Networks with Multi-Service. , 2012, , .		15
106	Ergodic capacity analysis of spatially modulated systems. China Communications, 2013, 10, 118-125.	3.2	15
107	Smart Relaying for Selection Combining Based Decode-and-Forward Cooperative Networks. IEEE Communications Letters, 2014, 18, 74-77.	4.1	15
108	Power Allocation for Distributed Antenna Systems in Frequency-Selective Fading Channels. IEEE Transactions on Communications, 2016, 64, 212-222.	7.8	15

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109	Enhanced Receive Spatial Modulation Based on Power Allocation. IEEE Journal on Selected Topics in Signal Processing, 2019, 13, 1312-1325.	10.8	15
110	Landslide reliability analysis based on transfer coefficient method: A case study from Three Gorges Reservoir. Journal of Earth Science (Wuhan, China), 2012, 23, 187-198.	3.2	14
111	Cooperative jamming and power allocation in three-phase two-way relaying wiretap systems. , 2013, , .		14
112	An efficient unequal error protection scheme for 3-D video transmission. , 2013, , .		14
113	Pilot Pattern Optimization for Sparse Channel Estimation in OFDM Systems. IEEE Communications Letters, 2015, 19, 1233-1236.	4.1	14
114	Spectrum Sensing of OFDM Signals in the Presence of Carrier Frequency Offset. IEEE Transactions on Vehicular Technology, 2016, 65, 6798-6803.	6.3	14
115	Power Allocation for Pre-Coding-Aided Spatial Modulation. IEEE Communications Letters, 2018, 22, 1094-1097.	4.1	14
116	Space-Time Block Coded Rectangular Differential Spatial Modulation: System Design and Performance Analysis. IEEE Transactions on Communications, 2019, 67, 6586-6597.	7.8	14
117	Repairable Fountain Coded Storage Systems for Multi-Tier Mobile Edge Caching Networks. IEEE Transactions on Network Science and Engineering, 2020, 7, 2310-2322.	6.4	14
118	Determining respiratory rate from photoplethysmogram and electrocardiogram signals using respiratory quality indices and neural networks. PLoS ONE, 2021, 16, e0249843.	2.5	14
119	Outage Analysis of Non-Regenerative Analog Network Coding for Two-Way Multi-Hop Networks. IEEE Communications Letters, 2011, 15, 662-664.	4.1	13
120	An Energy Efficient Clustering Protocol for Lifetime Maximization in Wireless Sensor Networks. , 2016, , .		13
121	A Time-Efficient Pair-Wise Collision-Resolving Protocol for Missing Tag Identification. IEEE Transactions on Communications, 2017, 65, 5348-5361.	7.8	13
122	Semisupervised Learning Based on a Novel Iterative Optimization Model for Saliency Detection. IEEE Transactions on Neural Networks and Learning Systems, 2019, 30, 225-241.	11.3	13
123	Hybrid beamforming for downlink multiuser millimetre wave MIMOâ€OFDM systems. IET Communications, 2019, 13, 1557-1564.	2.2	13
124	A Low-Powered and Highly Selective Trap for Male Aedes (Diptera: Culicidae) Surveillance: The Male Aedes Sound Trap. Journal of Medical Entomology, 2021, 58, 408-415.	1.8	13
125	A novel rate control algorithm for video coding based on fuzzy-PID controller. Signal, Image and Video Processing, 2015, 9, 875-884.	2.7	12
126	Efficient Detection of Spatial Modulation OFDM Systems With Multiple Carrier Frequency Offsets. IEEE Communications Letters, 2017, 21, 426-429.	4.1	12

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127	IoT Infrastructure and Potential Application to Smart Grid Communications. , 2017, , .		12
128	Polar codes with the unequal error protection property. Computer Communications, 2018, 123, 116-125.	5.1	12
129	Beamformer Design and Utility Optimization for Hybrid Information and Energy Transfer With Massive MIMO. IEEE Systems Journal, 2018, 12, 1981-1992.	4.6	12
130	Machine learning based optimization for vehicle-to-infrastructure communications. Future Generation Computer Systems, 2019, 94, 488-495.	7.5	12
131	Transmit Antenna Selection for Full-Duplex Spatial Modulation Based on Machine Learning. IEEE Transactions on Vehicular Technology, 2021, 70, 10695-10708.	6.3	12
132	A novel explainable neural network for Alzheimerâ€™s disease diagnosis. Pattern Recognition, 2022, 131, 108876.	8.1	12
133	Analysis of Conditional Error Rate and Combining Schemes in HARQ. IEEE Transactions on Signal Processing, 2012, 60, 2677-2682.	5.3	11
134	Networkâ€coded rateless coding scheme in erasure multipleâ€access relay enable communications. IET Communications, 2014, 8, 537-545.	2.2	11
135	A novel systematic raptor network coding scheme for Mars-to-Earth relay communications. , 2016, , .		11
136	A cross-platform solution for light field based 3D telemedicine. Computer Methods and Programs in Biomedicine, 2016, 125, 103-116.	4.7	11
137	Position and Velocity Estimations of Mobile Device Incorporate GNSS. IEEE Access, 2018, 6, 31141-31147.	4.2	11
138	Dimension-Deficient Channel Estimation of Hybrid Beamforming Based on Compressive Sensing. IEEE Access, 2019, 7, 13791-13798.	4.2	11
139	Deep Learning-Based Detection for Moderate-Density Code Multiple Access in IoT Networks. IEEE Communications Letters, 2020, 24, 122-125.	4.1	11
140	Outage Probability Analysis of Coded Cooperation with Multiple Relays. , 2011, , .		10
141	Performance Optimization of Digital Spectrum Analyzer With Gaussian Input Signal. IEEE Signal Processing Letters, 2013, 20, 31-34.	3.6	10
142	Generalized Wireless Network Coding Schemes for Multihop Two-Way Relay Channels. IEEE Transactions on Wireless Communications, 2014, 13, 5132-5147.	9.2	10
143	Mining Cloud 3D Video Data for Interactive Video Services. Mobile Networks and Applications, 2015, 20, 320-327.	3.3	10
144	An Improved Frequency Domain Turbo Equalizer for Single-Carrier Spatial Modulation Systems. IEEE Transactions on Vehicular Technology, 2017, 66, 7568-7572.	6.3	10

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145	Directional Modulation With Cooperative Receivers. IEEE Access, 2018, 6, 34992-35000.	4.2	10
146	Iterative Compensation for Clipping Noise in Spatial Modulation OFDM Systems. IEEE Transactions on Vehicular Technology, 2019, 68, 12422-12426.	6.3	10
147	A Survey of Asynchronous Programming Using Coroutines in the Internet of Things and Embedded Systems. Transactions on Embedded Computing Systems, 2019, 18, 1-21.	2.9	10
148	Performance Analysis and Optimization of Secure Generalized Spatial Modulation. IEEE Transactions on Communications, 2020, 68, 4451-4460.	7.8	10
149	Modeling and simulating in-memory memristive deep learning systems: An overview of current efforts. Array, 2022, 13, 100116.	4.0	10
150	Analysis of Packet-Loss-Induced Distortion in View Synthesis Prediction-Based 3D Video Coding. IEEE Transactions on Image Processing, 2017, 26, 2781-2796.	9.8	9
151	Automatic Gauge Detection via Geometric Fitting for Safety Inspection. IEEE Access, 2019, 7, 87042-87048.	4.2	9
152	Performance of ED-Based Non-Coherent Massive SIMO Systems in Correlated Rayleigh Fading. IEEE Access, 2019, 7, 14058-14069.	4.2	9
153	Zigzag Decodable Online Fountain Codes With High Intermediate Symbol Recovery Rates. IEEE Transactions on Communications, 2020, 68, 6629-6641.	7.8	9
154	Performance analysis of cooperative NOMA based intelligent mobile edge computing system. China Communications, 2020, 17, 45-57.	3.2	9
155	Optimization of Data Exchange in 5G Vehicle-to-Infrastructure Edge Networks. IEEE Transactions on Vehicular Technology, 2020, 69, 9376-9389.	6.3	9
156	Outcomes from international field trials with Male Aedes Sound Traps: Frequency-dependent effectiveness in capturing target species in relation to bycatch abundance. PLoS Neglected Tropical Diseases, 2021, 15, e0009061.	3.0	9
157	Two-Tier Cache-Aided Full-Duplex Hybrid Satelliteâ€"Terrestrial Communication Networks. IEEE Transactions on Aerospace and Electronic Systems, 2022, 58, 1753-1765.	4.7	9
158	Sediment Prediction in the Great Barrier Reef using Vision Transformer with finite element analysis. Neural Networks, 2022, 152, 311-321.	5.9	9
159	A computationally efficient CNN-LSTM neural network for estimation of blood pressure from features of electrocardiogram and photoplethysmogram waveforms. Knowledge-Based Systems, 2022, 250, 109151.	7.1	9
160	An FPGA-based fast two-symbol processing architecture for JPEG 2000 arithmetic coding. , 2010, , .		8
161	New research progress on the pre-Sinian tectonic evolution and neotectonics of the Huangling anticline region, South China. Journal of Earth Science (Wuhan, China), 2012, 23, 639-647.	3.2	8
162	Near-Optimal Cross-Layer Forward Error Correction Using Raptor and RCPC Codes for Prioritized Video Transmission Over Wireless Channels. IEEE Transactions on Circuits and Systems for Video Technology, 2017, 27, 2028-2040.	8.3	8

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163	Computationally Efficient Energy Optimization for Cloud Radio Access Networks With CSI Uncertainty. IEEE Transactions on Communications, 2017, 65, 5499-5513.	7.8	8
164	Soft-Feedback Time-Domain Turbo Equalization for Single-Carrier Generalized Spatial Modulation. IEEE Transactions on Vehicular Technology, 2018, 67, 9421-9434.	6.3	8
165	Performance Analysis of MMSE Pre-Coding Aided Spatial Modulation. IEEE Access, 2018, 6, 44835-44845.	4.2	8
166	QLFR: A Q-Learning-Based Localization-Free Routing Protocol for Underwater Sensor Networks. , 2019, , .		8
167	Hybridized neural networks for non-invasive and continuous mortality risk assessment in neonates. Computers in Biology and Medicine, 2021, 134, 104521.	7.0	8
168	Artificial Noise Assisted Secure Transmission for Uplink of Massive MIMO Systems. IEEE Transactions on Vehicular Technology, 2021, 70, 6750-6762.	6.3	8
169	Integrated Satellite-Terrestrial Networks With Coordinated C-NOMA and Relay Transmission. IEEE Systems Journal, 2022, 16, 5270-5280.	4.6	8
170	The exposed area analysis of Barrage-type Jamming to Bistatic SAR. , 2010, , .		7
171	A novel selection incremental relaying strategy for cooperative networks. , 2011, , .		7
172	A novel unequal error protection scheme for 3-D video transmission over cooperative MIMO-OFDM systems. Eurasip Journal on Wireless Communications and Networking, 2012, 2012, .	2.4	7
173	High Performance Micro CO Sensors Based on ZnO-SnO 2 Composite Nanofibers with Anti-Humidity Characteristics. Chinese Physics Letters, 2012, 29, 120702.	3.3	7
174	Two-Symbol FPGA Architecture for Fast Arithmetic Encoding in JPEG 2000. Journal of Signal Processing Systems, 2012, 69, 213-224.	2.1	7
175	Multiuser hybrid analog/digital beamforming for relatively large-scale antenna arrays. , 2013, , .		7
176	Sampling expansion for irregularly sampled signals in fractional Fourier transform domain. , 2014, 34, 74-81.		7
177	An energy- and time-efficient M-ary detecting tree RFID MAC protocol. , 2015, , .		7
178	Performance analysis of device-to-device communications underlaying cellular networks. Telecommunication Systems, 2015, 60, 29-41.	2.5	7
179	Minimum Sum-Mean-Square-Error Frequency-Domain Pre-Coding for Downlink Multi-User MIMO System in the Frequency-Selective Fading Channel. IEEE Transactions on Wireless Communications, 2017, 16, 3573-3589.	9.2	7
180	Userâ€priorityâ€based resource allocation for deviceâ€toâ€device communications in 5G underlaying cellular networks. IET Communications, 2019, 13, 1016-1024.	2.2	7

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181	Impact of Imperfect Angle Estimation on Spatial and Directional Modulation. IEEE Access, 2020, 8, 7081-7092.	4.2	7
182	Improved Wideband Precoding with Arbitrary Subcarrier Grouping in MIMO-OFDM Systems. ETRI Journal, 2012, 34, 9-16.	2.0	6
183	From the area to the point-study on the key technology of 3D geological hazard modeling in Three Gorges Reservoir area. Journal of Earth Science (Wuhan, China), 2012, 23, 199-206.	3.2	6
184	Cooperative Jamming and Power Allocation in Two-Way Relaying System with Eavesdropper. , 2013, , .		6
185	Multi€user hybrid analogue/digital beamforming for relatively large€scale antenna systems. IET Communications, 2014, 8, 3038-3049.	2.2	6
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