

# Wei Xiang

## List of Publications by Year in descending order

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355  
papers

8,900  
citations

66234

42  
h-index

60497

81  
g-index

361  
all docs

361  
docs citations

361  
times ranked

8680  
citing authors

#	ARTICLE	IF	CITATIONS
1	Optimizing Federated Learning With Deep Reinforcement Learning for Digital Twin Empowered Industrial IoT. IEEE Transactions on Industrial Informatics, 2023, 19, 1884-1893.	7.2	34
2	Sea Surface Temperature Forecasting With Ensemble of Stacked Deep Neural Networks. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	1.4	17
3	Energy-Aware Coded Caching Strategy Design With Resource Optimization for Satellite-UAV-Vehicle-Integrated Networks. IEEE Internet of Things Journal, 2022, 9, 5799-5811.	5.5	30
4	User-dependent interactive light field video streaming system. Multimedia Tools and Applications, 2022, 81, 1893-1918.	2.6	2
5	Two-Tier Cache-Aided Full-Duplex Hybrid Satellite-Terrestrial Communication Networks. IEEE Transactions on Aerospace and Electronic Systems, 2022, 58, 1753-1765.	2.6	9
6	Modeling and simulating in-memory memristive deep learning systems: An overview of current efforts. Array, 2022, 13, 100116.	2.5	10
7	Learning-based high-efficiency compression framework for light field videos. Multimedia Tools and Applications, 2022, 81, 7527-7560.	2.6	2
8	Integrated Satellite-Terrestrial Networks With Coordinated C-NOMA and Relay Transmission. IEEE Systems Journal, 2022, 16, 5270-5280.	2.9	8
9	Nitrogen prediction in the Great Barrier Reef using finite element analysis with deep neural networks. Environmental Modelling and Software, 2022, 150, 105311.	1.9	3
10	A Low-Complexity Codebook Optimization Scheme for Sparse Code Multiple Access. IEEE Transactions on Communications, 2022, 70, 2451-2463.	4.9	6
11	A Novel Floating High-Voltage Level Shifter with Pre-Storage Technique. Sensors, 2022, 22, 1774.	2.1	0
12	A Deep Learning Model for Network Intrusion Detection with Imbalanced Data. Electronics (Switzerland), 2022, 11, 898.	1.8	71
13	Improved Sine-Tangent chaotic map with application in medical images encryption. Journal of Information Security and Applications, 2022, 66, 103131.	1.8	22
14	MemTorch: An Open-source Simulation Framework for Memristive Deep Learning Systems. Neurocomputing, 2022, 485, 124-133.	3.5	27
15	Contextual User-Centric Task Offloading for Mobile Edge Computing in Ultra-Dense Network. IEEE Transactions on Mobile Computing, 2022, , 1-1.	3.9	4
16	Sediment Prediction in the Great Barrier Reef using Vision Transformer with finite element analysis. Neural Networks, 2022, 152, 311-321.	3.3	9
17	Spatio-Temporal-Frequency Graph Attention Convolutional Network for Aircraft Recognition Based on Heterogeneous Radar Network. IEEE Transactions on Aerospace and Electronic Systems, 2022, 58, 5548-5559.	2.6	3
18	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.	4.0	9

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19	Digital Twin Based Network Latency Prediction in Vehicular Networks. Electronics (Switzerland), 2022, 11, 2217.	1.8	2
20	A novel explainable neural network for Alzheimer's disease diagnosis. Pattern Recognition, 2022, 131, 108876.	5.1	12
21	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.	0.9	13
22	C++20 Coroutines on Microcontrollers—What We Learned. IEEE Embedded Systems Letters, 2021, 13, 9-12.	1.3	4
23	Internet of Underwater Things and Big Marine Data Analytics—A Comprehensive Survey. IEEE Communications Surveys and Tutorials, 2021, 23, 904-956.	24.8	192
24	Transmit Antenna Selection for Full-Duplex Spatial Modulation Based on Machine Learning. IEEE Transactions on Vehicular Technology, 2021, 70, 10695-10708.	3.9	12
25	A Novel Hybrid Code-Domain Index Modulation. IEEE Communications Letters, 2021, , 1-1.	2.5	1
26	Deep Scattering Network With Fractional Wavelet Transform. IEEE Transactions on Signal Processing, 2021, 69, 4740-4757.	3.2	22
27	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.	1.3	9
28	Deep Learning Based Multistep Solar Forecasting for PV Ramp-Rate Control Using Sky Images. IEEE Transactions on Industrial Informatics, 2021, 17, 1397-1406.	7.2	84
29	A Coded Distributed Computing Framework for Task Offloading from Multi-UAV to Edge Servers. , 2021, , .		5
30	Determining respiratory rate from photoplethysmogram and electrocardiogram signals using respiratory quality indices and neural networks. PLoS ONE, 2021, 16, e0249843.	1.1	14
31	Designing Aedes (Diptera: Culicidae) Mosquito Traps: The Evolution of the Male Aedes Sound Trap by Iterative Evaluation. Insects, 2021, 12, 388.	1.0	3
32	SeeCucumbers: Using Deep Learning and Drone Imagery to Detect Sea Cucumbers on Coral Reef Flats. Drones, 2021, 5, 28.	2.7	16
33	Precoded Optical Spatial Modulation for Indoor Visible Light Communications. IEEE Transactions on Communications, 2021, 69, 2518-2531.	4.9	4
34	Consensus Forecast of Rainfall Using Hybrid Climate Learning Model. IEEE Internet of Things Journal, 2021, 8, 7270-7278.	5.5	5
35	Anypath Routing Protocol Design via Q-Learning for Underwater Sensor Networks. IEEE Internet of Things Journal, 2021, 8, 8173-8190.	5.5	33
36	Dynamic Energy Dispatch Based on Deep Reinforcement Learning in IoT-Driven Smart Isolated Microgrids. IEEE Internet of Things Journal, 2021, 8, 7938-7953.	5.5	45

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37	CCOS: A Coded Computation Offloading Strategy for Satellite-Terrestrial Integrated Networks. , 2021, , .		1
38	Hybridized neural networks for non-invasive and continuous mortality risk assessment in neonates. Computers in Biology and Medicine, 2021, 134, 104521.	3.9	8
39	Artificial Noise Assisted Secure Transmission for Uplink of Massive MIMO Systems. IEEE Transactions on Vehicular Technology, 2021, 70, 6750-6762.	3.9	8
40	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.	2.6	41
41	Stable isotopes of deep soil water retain long-term evaporation loss on China's Loess Plateau. Science of the Total Environment, 2021, 784, 147153.	3.9	19
42	Deep Adaptive Blending Network for 3D Magnetic Resonance Image Denoising. IEEE Journal of Biomedical and Health Informatics, 2021, 25, 3321-3331.	3.9	4
43	Repair Delay Analysis of Mobile Storage Systems Using Erasure Codes and Relay Cooperation. IEEE Transactions on Vehicular Technology, 2021, 70, 10580-10593.	3.9	2
44	A Novel Occlusion-aware Vote Cost for Light Field Depth Estimation. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2021, PP, 1-1.	9.7	17
45	On Pilot Spoofing Attack in Massive MIMO Systems: Detection and Countermeasure. IEEE Transactions on Information Forensics and Security, 2021, 16, 1396-1409.	4.5	25
46	SAP: An IoT Application Module Placement Strategy Based on Simulated Annealing Algorithm in Edge-Cloud Computing. Journal of Sensors, 2021, 2021, 1-12.	0.6	4
47	Global repair bandwidth cost optimization of generalized regenerating codes in clustered distributed storage systems. IET Communications, 2021, 15, 2469.	1.5	0
48	Improved Time-Frequency Domain Linear Receiver for OFDM-Based OTFS. , 2021, , .		2
49	Asynchronous Coded Caching Strategy With Nonuniform Demands for IoV Networks. , 2021, , .		1
50	Cost Optimal Regenerating Codes Design for Satellite Clustered Distributed Storage System. , 2021, , .		0
51	Doppler Shift Estimation Based Channel Estimation for Orthogonal Time Frequency Space System. , 2021, , .		3
52	Classification of Diabetic Foot Ulcers Using Class Knowledge Banks. Frontiers in Bioengineering and Biotechnology, 2021, 9, 811028.	2.0	16
53	A Novel Adaptive Gradient Compression Approach for Communication-Efficient Federated Learning. , 2021, , .		3
54	A Polar Codes-Based Distributed UEP Scheme for the Internet of Things. Wireless Communications and Mobile Computing, 2021, 2021, 1-10.	0.8	0

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55	Repairable Fountain Coded Storage Systems for Multi-Tier Mobile Edge Caching Networks. IEEE Transactions on Network Science and Engineering, 2020, 7, 2310-2322.	4.1	14
56	Omnidirectional Motion Classification With Monostatic Radar System Using Micro-Doppler Signatures. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 3574-3587.	2.7	60
57	Deep Learning-Based Detection for Moderate-Density Code Multiple Access in IoT Networks. IEEE Communications Letters, 2020, 24, 122-125.	2.5	11
58	$\mathcal{N}$ -Continuous Signaling for GFDM. IEEE Transactions on Communications, 2020, 68, 947-958.	4.9	5
59	Zigzag Decodable Online Fountain Codes With High Intermediate Symbol Recovery Rates. IEEE Transactions on Communications, 2020, 68, 6629-6641.	4.9	9
60	Performance analysis of cooperative NOMA based intelligent mobile edge computing system. China Communications, 2020, 17, 45-57.	2.0	9
61	Training Progressively Binarizing Deep Networks using FPGAs. , 2020, , .		3
62	Optimized Coded Prefetching Scheme in Hierarchical Cache-Enabled Networks. , 2020, , .		3
63	Optimal Energy Allocation Against Denial-of-Service Attack in Cache-enabled Wireless Networks. , 2020, , .		0
64	Continuous and automatic mortality risk prediction using vital signs in the intensive care unit: a hybrid neural network approach. Scientific Reports, 2020, 10, 21282.	1.6	22
65	Novel Short-Time Fractional Fourier Transform: Theory, Implementation, and Applications. IEEE Transactions on Signal Processing, 2020, 68, 3280-3295.	3.2	50
66	Optimization of Data Exchange in 5G Vehicle-to-Infrastructure Edge Networks. IEEE Transactions on Vehicular Technology, 2020, 69, 9376-9389.	3.9	9
67	Performance Analysis and Optimization of Secure Generalized Spatial Modulation. IEEE Transactions on Communications, 2020, 68, 4451-4460.	4.9	10
68	Energy-Efficient Hybrid Precoder With Adaptive Overlapped Subarrays for Large-Array mmWave Systems. IEEE Transactions on Wireless Communications, 2020, 19, 1484-1502.	6.1	23
69	Ergodic Energy Efficiency of mmWave System Considering Insertion Loss Under Dynamic Subarray Architecture. , 2020, , .		2
70	Novel Fractional Wavelet Packet Transform: Theory, Implementation, and Applications. IEEE Transactions on Signal Processing, 2020, 68, 4041-4054.	3.2	22
71	Uplink SCMA with STBC in Fading Channels. , 2020, , .		0
72	Expectation Propagation Aided Frequency Domain Turbo Equalizer for Single-Carrier Spatial Modulation Systems. IEEE Communications Letters, 2020, 24, 1124-1128.	2.5	0

#	ARTICLE	IF	CITATIONS
73	Denoising Higher-Order Moments for Blind Digital Modulation Identification in Multiple-Antenna Systems. IEEE Wireless Communications Letters, 2020, 9, 765-769.	3.2	5
74	Impact of Imperfect Angle Estimation on Spatial and Directional Modulation. IEEE Access, 2020, 8, 7081-7092.	2.6	7
75	Space-Frequency Index Modulation for Combating ICI in Intelligent Mobility Communications. IEEE Access, 2020, 8, 21272-21281.	2.6	1
76	MONET Special Issue on Towards Future Ad Hoc Networks: Technologies and Applications (I). Mobile Networks and Applications, 2020, 25, 756-759.	2.2	1
77	Coded Storage-and-Computation: A New Paradigm to Enhancing Intelligent Services in Space-Air-Ground Integrated Networks. IEEE Wireless Communications, 2020, 27, 44-51.	6.6	21
78	MMSE-based secure precoding in two-way relaying systems. IET Communications, 2020, 14, 3813-3819.	1.5	0
79	Optimal content placement for cache-enabled IoT networks with local channel state information based joint transmission. IET Communications, 2020, 14, 2628-2638.	1.5	3
80	Semisupervised Learning Based on a Novel Iterative Optimization Model for Saliency Detection. IEEE Transactions on Neural Networks and Learning Systems, 2019, 30, 225-241.	7.2	13
81	Semi-Supervised Salient Object Detection Using a Linear Feedback Control System Model. IEEE Transactions on Cybernetics, 2019, 49, 1173-1185.	6.2	37
82	Multiuser Resource Control With Deep Reinforcement Learning in IoT Edge Computing. IEEE Internet of Things Journal, 2019, 6, 10119-10133.	5.5	50
83	Adaptive Spatial Modulation MIMO Based on Machine Learning. IEEE Journal on Selected Areas in Communications, 2019, 37, 2117-2131.	9.7	70
84	Space-Time Block Coded Rectangular Differential Spatial Modulation: System Design and Performance Analysis. IEEE Transactions on Communications, 2019, 67, 6586-6597.	4.9	14
85	Automatic Gauge Detection via Geometric Fitting for Safety Inspection. IEEE Access, 2019, 7, 87042-87048.	2.6	9
86	SSIM-A Deep Learning Approach for Recovering Missing Time Series Sensor Data. IEEE Internet of Things Journal, 2019, 6, 6618-6628.	5.5	104
87	Hybrid beamforming for downlink multiuser millimetre wave MIMO-OFDM systems. IET Communications, 2019, 13, 1557-1564.	1.5	13
88	Iterative Compensation for Clipping Noise in Spatial Modulation OFDM Systems. IEEE Transactions on Vehicular Technology, 2019, 68, 12422-12426.	3.9	10
89	Hybrid Pre-Coding Based on Minimum SMSE Considering Insertion Loss in mmWave Communications. IEEE Transactions on Communications, 2019, 67, 8707-8724.	4.9	2
90	Approximate Message Passing Detector Based Upon Probability Sorting for Large-Scale GSM Systems. IEEE Transactions on Vehicular Technology, 2019, 68, 9303-9307.	3.9	3

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91	Joint Beam and Resource Allocation in 5G mmWave Small Cell Systems. IEEE Transactions on Vehicular Technology, 2019, 68, 10272-10277.	3.9	27
92	Priori-Aided Detection for Generalized Space-and-Frequency Index Modulation Systems With Multi-Carrier Frequency Offset. IEEE Transactions on Vehicular Technology, 2019, 68, 10330-10334.	3.9	1
93	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.	1.0	21
94	A Survey of Asynchronous Programming Using Coroutines in the Internet of Things and Embedded Systems. Transactions on Embedded Computing Systems, 2019, 18, 1-21.	2.1	10
95	Enhanced Receive Spatial Modulation Based on Power Allocation. IEEE Journal on Selected Topics in Signal Processing, 2019, 13, 1312-1325.	7.3	15
96	User-priority-based resource allocation for device-to-device communications in 5G underlying cellular networks. IET Communications, 2019, 13, 1016-1024.	1.5	7
97	Fourth Order MCA and Chaos-Based Image Encryption Scheme. IEEE Access, 2019, 7, 66395-66409.	2.6	19
98	Region-of-Interest Compression and View Synthesis for Light Field Video Streaming. IEEE Access, 2019, 7, 41183-41192.	2.6	16
99	Person Identification Using Micro-Doppler Signatures of Human Motions and UWB Radar. IEEE Microwave and Wireless Components Letters, 2019, 29, 366-368.	2.0	59
100	Novel Medical Image Encryption Scheme Based on Chaos and DNA Encoding. IEEE Access, 2019, 7, 36667-36681.	2.6	173
101	Dimension-Deficient Channel Estimation of Hybrid Beamforming Based on Compressive Sensing. IEEE Access, 2019, 7, 13791-13798.	2.6	11
102	Performance of ED-Based Non-Coherent Massive SIMO Systems in Correlated Rayleigh Fading. IEEE Access, 2019, 7, 14058-14069.	2.6	9
103	Complexity Problems Handled by Big Data Technology. Complexity, 2019, 2019, 1-7.	0.9	3
104	Non-Coherent Massive SIMO Systems in ISI Channels: Constellation Design and Performance Analysis. IEEE Systems Journal, 2019, 13, 2252-2263.	2.9	4
105	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.	5.5	94
106	Uniquely Decodable Codes for Physical-Layer Network Coding in Wireless Cooperative Communications. IEEE Systems Journal, 2019, 13, 3956-3967.	2.9	5
107	Repair Bandwidth Cost of Generalized Regenerating Codes for Clustered Distributed Storage. , 2019, , ,		1
108	QLFR: A Q-Learning-Based Localization-Free Routing Protocol for Underwater Sensor Networks. , 2019, , ,		8

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109	Performance Analysis of Secure GSM Systems for Physical Layer Security. , 2019, , .		4
110	Accelerating Deterministic and Stochastic Binarized Neural Networks on FPGAs Using OpenCL. , 2019, , .		4
111	Adaptive Data Storage System for Mobile Satellite-Terrestrial IoT. , 2019, , .		1
112	Machine learning based optimization for vehicle-to-infrastructure communications. Future Generation Computer Systems, 2019, 94, 488-495.	4.9	12
113	Sparse Code Multiple Access Asynchronous Uplink Multiuser Detection Algorithm. IEEE Transactions on Vehicular Technology, 2019, 68, 5557-5569.	3.9	6
114	Texture-Distortion-Constrained Joint Source-Channel Coding of Multi-View Video Plus Depth-Based 3D Video. IEEE Transactions on Circuits and Systems for Video Technology, 2019, 29, 3326-3340.	5.6	3
115	Unsupervised Domain Adaptation for Micro-Doppler Human Motion Classification via Feature Fusion. IEEE Geoscience and Remote Sensing Letters, 2019, 16, 392-396.	1.4	24
116	Controlling the distributed energy resources under fading channel. , 2019, , 119-126.		0
117	H-infinity-based microgrid state estimations using the IoT sensors. , 2019, , 285-295.		3
118	Underwater Image Restoration Using Color-Line Model. IEEE Transactions on Circuits and Systems for Video Technology, 2019, 29, 907-911.	5.6	75
119	A deep learning method based on convolutional neural network for automatic modulation classification of wireless signals. Wireless Networks, 2019, 25, 3735-3746.	2.0	57
120	A deep learning method based on convolutional neural network for automatic modulation classification of wireless signals. , 2019, 25, 3735.		1
121	Repairable Fountain Codes with Unequal Locality for Heterogeneous D2D Data Storage Networks. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2019, , 514-528.	0.2	0
122	Joint Optimization of Energy Consumption and Packet Scheduling for Mobile Edge Computing in Cyber-Physical Networks. IEEE Access, 2018, 6, 15576-15586.	2.6	38
123	Polar codes with the unequal error protection property. Computer Communications, 2018, 123, 116-125.	3.1	12
124	IoT-Based State Estimation for Microgrids. IEEE Internet of Things Journal, 2018, 5, 1345-1346.	5.5	33
125	Power Allocation for Pre-Coding-Aided Spatial Modulation. IEEE Communications Letters, 2018, 22, 1094-1097.	2.5	14
126	Consensus-Based Smart Grid State Estimation Algorithm. IEEE Transactions on Industrial Informatics, 2018, 14, 3368-3375.	7.2	69



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127	Internet of Things Infrastructure for Wireless Power Transfer Systems. IEEE Access, 2018, 6, 19295-19303.	2.6	47
128	A Time- and Energy-Aware Collision Tree Protocol for Efficient Large-Scale RFID Tag Identification. IEEE Transactions on Industrial Informatics, 2018, 14, 2406-2417.	7.2	41
129	Massive MIMO-Assisted Energy Transfer Technology. Springer Briefs in Electrical and Computer Engineering, 2018, , 57-90.	0.3	0
130	Smart grid state estimation and stabilisation. International Journal of Electrical Power and Energy Systems, 2018, 102, 152-159.	3.3	35
131	Hybrid Prefix OFDM Transmission Toward Future Wireless Communications. IEEE Access, 2018, 6, 22341-22352.	2.6	3
132	Monitoring the Smart Grid Incorporating Turbines and Vehicles. IEEE Access, 2018, 6, 45485-45492.	2.6	19
133	Beamformer Design and Utility Optimization for Hybrid Information and Energy Transfer With Massive MIMO. IEEE Systems Journal, 2018, 12, 1981-1992.	2.9	12
134	A Low Complexity Detection Algorithm for Fixed Up-Link SCMA System in Mission Critical Scenario. IEEE Internet of Things Journal, 2018, 5, 3289-3297.	5.5	29
135	Hybridly Connected Structure for Hybrid Beamforming in mmWave Massive MIMO Systems. IEEE Transactions on Communications, 2018, 66, 662-674.	4.9	118
136	An Efficient Bit-Detecting Protocol for Continuous Tag Recognition in Mobile RFID Systems. IEEE Transactions on Mobile Computing, 2018, 17, 503-516.	3.9	49
137	Performance Analysis for the $N$ -Continuous Precoded SM-OFDM System. IEEE Transactions on Vehicular Technology, 2018, 67, 483-493.	3.9	5
138	MMSE-based Detector for Spatial Modulation OFDM Systems with Multiple CFOs. , 2018, , .		3
139	Millimeter Wave Channel Estimation Based on Subspace Fitting. IEEE Access, 2018, 6, 76126-76139.	2.6	5
140	Optimizing spatial healthcare assets with Internet of Things. Health Information Science and Systems, 2018, 6, 11.	3.4	2
141	A Novel No-Reference QoE Assessment Model for Frame Freezing of Mobile Video. Lecture Notes in Computer Science, 2018, , 156-165.	1.0	0
142	Unified Power Allocation for Receive Spatial Modulation Based on Approximate Optimization. IEEE Access, 2018, 6, 49450-49459.	2.6	5
143	Linear Canonical Matched Filter: Theory, Design, and Applications. IEEE Transactions on Signal Processing, 2018, 66, 6404-6417.	3.2	25
144	QAM Signal Transmission Based on Matrix Model in Filter-Bank Multicarrier Systems. IEEE Access, 2018, 6, 63987-63998.	2.6	3

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145	Reliable Energy-Efficient Routing Algorithm for Vehicle-Assisted Wireless Ad-Hoc Networks. , 2018, , ,		1
146	Position and Velocity Estimations of Mobile Device Incorporate GNSS. IEEE Access, 2018, 6, 31141-31147.	2.6	11
147	IoT Communications Network for Wireless Power Transfer System State Estimation and Stabilization. IEEE Internet of Things Journal, 2018, 5, 4142-4150.	5.5	34
148	Directional Modulation With Cooperative Receivers. IEEE Access, 2018, 6, 34992-35000.	2.6	10
149	Lowâ€latency and highâ€reliability performance analysis of relay systems. IET Communications, 2018, 12, 627-633.	1.5	3
150	Soft-Feedback Time-Domain Turbo Equalization for Single-Carrier Generalized Spatial Modulation. IEEE Transactions on Vehicular Technology, 2018, 67, 9421-9434.	3.9	8
151	Performance Analysis of MMSE Pre-Coding Aided Spatial Modulation. IEEE Access, 2018, 6, 44835-44845.	2.6	8
152	Outage Probability Region and Optimal Power Allocation for Uplink SCMA Systems. IEEE Transactions on Communications, 2018, , 1-1.	4.9	6
153	An Interactive Light Field Video System with User-Dependent View Selection and Coding Scheme. Lecture Notes in Computer Science, 2018, , 727-736.	1.0	1
154	Robust Multiview Three-Dimensional Video Communications Based on Distributed Video Coding. IEEE Systems Journal, 2017, 11, 2456-2466.	2.9	5
155	Energy-Efficient Localization and Tracking of Mobile Devices in Wireless Sensor Networks. IEEE Transactions on Vehicular Technology, 2017, 66, 2714-2726.	3.9	82
156	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.	5.6	8
157	Efficient Compressive Sensing Detectors for Generalized Spatial Modulation Systems. IEEE Transactions on Vehicular Technology, 2017, 66, 1284-1298.	3.9	100
158	Time-Domain $\langle \text{tex-math notation="LaTeX">\$N\$</tex-math>$ Continuous OFDM: System Architecture and Performance Analysis. IEEE Transactions on Vehicular Technology, 2017, 66, 2394-2407.	3.9	4
159	Editorial of ETT Special Issue: emerging topics in device to device communications as enabling technology for 5G systems. Transactions on Emerging Telecommunications Technologies, 2017, 28, e3023.	2.6	0
160	Precoding and Cooperative Jamming in Multi-Antenna Two-Way Relaying Wiretap Systems Without Eavesdropperâ€™s Channel State Information. IEEE Transactions on Information Forensics and Security, 2017, 12, 1309-1318.	4.5	23
161	An Improved Frequency Domain Turbo Equalizer for Single-Carrier Spatial Modulation Systems. IEEE Transactions on Vehicular Technology, 2017, 66, 7568-7572.	3.9	10
162	Adaptive SM-MIMO for mmWave Communications With Reduced RF Chains. IEEE Journal on Selected Areas in Communications, 2017, 35, 1472-1485.	9.7	37

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163	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.	3.9	46
164	Space-Time Block Coded Differential Spatial Modulation. IEEE Transactions on Vehicular Technology, 2017, 66, 8821-8834.	3.9	34
165	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.	6.1	81
166	Time-Domain Turbo Equalization for Single-Carrier Generalized Spatial Modulation. IEEE Transactions on Wireless Communications, 2017, 16, 5702-5716.	6.1	22
167	Analysis of Packet-Loss-Induced Distortion in View Synthesis Prediction-Based 3D Video Coding. IEEE Transactions on Image Processing, 2017, 26, 2781-2796.	6.0	9
168	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.	6.1	7
169	Clustering Hierarchy Protocol in Wireless Sensor Networks Using an Improved PSO Algorithm. IEEE Access, 2017, 5, 2241-2253.	2.6	129
170	Computationally Efficient Energy Optimization for Cloud Radio Access Networks With CSI Uncertainty. IEEE Transactions on Communications, 2017, 65, 5499-5513.	4.9	8
171	Internet of Things for Smart Healthcare: Technologies, Challenges, and Opportunities. IEEE Access, 2017, 5, 26521-26544.	2.6	771
172	Efficient Detection of Spatial Modulation OFDM Systems With Multiple Carrier Frequency Offsets. IEEE Communications Letters, 2017, 21, 426-429.	2.5	12
173	Multi-Relay Communications in the Presence of Phase Noise and Carrier Frequency Offsets. IEEE Transactions on Communications, 2017, 65, 79-94.	4.9	21
174	Rate control for HEVC based on spatio-temporal context and motion complexity. Multimedia Tools and Applications, 2017, 76, 14035-14053.	2.6	3
175	Downlink Performance of Massive-MIMO Systems Using EVD-Based Channel Estimation. IEEE Transactions on Vehicular Technology, 2017, 66, 3045-3058.	3.9	20
176	Resource Optimization of Wireless Information and Energy Supply Control Systems With Massive MIMO. IEEE Communications Letters, 2017, 21, 2734-2737.	2.5	4
177	IoT Infrastructure and Potential Application to Smart Grid Communications. , 2017, , .		12
178	A Time-Efficient Pair-Wise Collision-Resolving Protocol for Missing Tag Identification. IEEE Transactions on Communications, 2017, 65, 5348-5361.	4.9	13
179	Downlink Small-Cell Base Station Cooperation Strategy in Fractal Small-Cell Networks. , 2017, , .		1
180	Joint texture and depth map coding for error-resilient 3-D video transmission. , 2017, , .		1

#	ARTICLE	IF	CITATIONS
181	Leakage-based hybrid beamforming design for downlink multiuser mmWave MIMO systems. , 2017, , .		4
182	Optimal mode selection and channel coding for 3-D video streaming over the internet. , 2017, , .		1
183	Polar Decomposition Based Hybrid Beamforming Design for mmWave Massive MIMO Systems. , 2017, , .		2
184	Advances in New Signal Processing Techniques for 5G. International Journal of Antennas and Propagation, 2016, 2016, 1-1.	0.7	1
185	Staged Growth Codes: Intermediate Performance and Overhead Analysis. IEEE Communications Letters, 2016, 20, 1503-1506.	2.5	5
186	BER Analysis of Physical-Layer Network Coding in the AWGN Channel With Burst Pulses. IEEE Access, 2016, 4, 9958-9968.	2.6	2
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