

Xiaojing Huang

List of Publications by Year in descending order

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276
papers

3,615
citations

236925

25
h-index

189892

50
g-index

277
all docs

277
docs citations

277
times ranked

2641
citing authors

#	ARTICLE	IF	CITATIONS
1	Enabling Joint Communication and Radar Sensing in Mobile Networks—A Survey. IEEE Communications Surveys and Tutorials, 2022, 24, 306-345.	39.4	220
2	Massive hybrid antenna array for millimeter-wave cellular communications. IEEE Wireless Communications, 2015, 22, 79-87.	9.0	207
3	Enabling Technologies for Ultra-Reliable and Low Latency Communications: From PHY and MAC Layer Perspectives. IEEE Communications Surveys and Tutorials, 2019, 21, 2488-2524.	39.4	166
4	Multibeam for Joint Communication and Radar Sensing Using Steerable Analog Antenna Arrays. IEEE Transactions on Vehicular Technology, 2019, 68, 671-685.	6.3	143
5	A hybrid adaptive antenna array. IEEE Transactions on Wireless Communications, 2010, 9, 1770-1779.	9.2	140
6	Framework for a Perceptive Mobile Network Using Joint Communication and Radar Sensing. IEEE Transactions on Aerospace and Electronic Systems, 2020, 56, 1926-1941.	4.7	113
7	Optimal Orthogonal Precoding for Power Leakage Suppression in DFT-Based Systems. IEEE Transactions on Communications, 2011, 59, 844-853.	7.8	103
8	Airplane-Aided Integrated Networking for 6G Wireless: Will It Work?. IEEE Vehicular Technology Magazine, 2019, 14, 84-91.	3.4	101
9	The simulation of independent Rayleigh faders. IEEE Transactions on Communications, 2002, 50, 1503-1514.	7.8	94
10	Perceptive Mobile Networks: Cellular Networks With Radio Vision via Joint Communication and Radar Sensing. IEEE Vehicular Technology Magazine, 2021, 16, 20-30.	3.4	85
11	Sidelobe Suppression with Orthogonal Projection for Multicarrier Systems. IEEE Transactions on Communications, 2012, 60, 589-599.	7.8	77
12	Iterative Receiver Design for FTN Signaling Aided Sparse Code Multiple Access. IEEE Transactions on Wireless Communications, 2020, 19, 915-928.	9.2	57
13	Energy-Efficient Distributed Data Storage for Wireless Sensor Networks Based on Compressed Sensing and Network Coding. IEEE Transactions on Wireless Communications, 2013, 12, 5087-5099.	9.2	56
14	TOA-Based Passive Localization Constructed Over Factor Graphs: A Unified Framework. IEEE Transactions on Communications, 2019, 67, 6952-6965.	7.8	56
15	Radio Frequency Self-Interference Cancellation With Analog Least Mean-Square Loop. IEEE Transactions on Microwave Theory and Techniques, 2017, 65, 3336-3350.	4.6	48
16	Frequency-Domain AoA Estimation and Beamforming with Wideband Hybrid Arrays. IEEE Transactions on Wireless Communications, 2011, 10, 2543-2553.	9.2	47
17	Uplink Sensing in Perceptive Mobile Networks With Asynchronous Transceivers. IEEE Transactions on Signal Processing, 2021, 69, 1287-1300.	5.3	46
18	A Hybrid Adaptive Antenna Array for Long-Range mm-Wave Communications [Antenna Applications Corner]. IEEE Antennas and Propagation Magazine, 2012, 54, 271-282.	1.4	44

#	ARTICLE	IF	CITATIONS
19	Waveform Design and Accurate Channel Estimation for Frequency-Hopping MIMO Radar-Based Communications. IEEE Transactions on Communications, 2020, , 1-1.	7.8	44
20	Out-of-band emission reduction and a unified framework for precoded OFDM. , 2015, 53, 151-159.		41
21	Downlink Resource Allocation for Next Generation Wireless Networks with Inter-Cell Interference. IEEE Transactions on Wireless Communications, 2013, 12, 1783-1793.	9.2	39
22	Performance analysis of soft frequency reuse for inter-cell interference coordination in LTE networks. , 2010, , .		37
23	A multi-gigabit microwave backhaul. , 2012, 50, 122-129.		37
24	Enabling Ultra-Reliable and Low-Latency Communications through Unlicensed Spectrum. IEEE Network, 2018, 32, 70-77.	6.9	37
25	A Modified Shuffled Frog Leaping Algorithm for PAPR Reduction in OFDM Systems. IEEE Transactions on Broadcasting, 2015, 61, 698-709.	3.2	35
26	Automatic Ship Detection in SAR Images Using Multi-Scale Heterogeneities and an A Contrario Decision. Remote Sensing, 2015, 7, 7695-7711.	4.0	34
27	Optimization and Quantization of Multibeam Beamforming Vector for Joint Communication and Radio Sensing. IEEE Transactions on Communications, 2019, 67, 6468-6482.	7.8	30
28	The generation of independent Rayleigh faders. , 0, , .		28
29	The PAM decomposition of CPM signals with integer modulation index. IEEE Transactions on Communications, 2003, 51, 543-546.	7.8	27
30	Beam-Based Analog Self-Interference Cancellation in Full-Duplex MIMO Systems. IEEE Transactions on Wireless Communications, 2020, 19, 2460-2471.	9.2	27
31	Load Distribution Aware Soft Frequency Reuse for Inter-Cell Interference Mitigation and Throughput Maximization in LTE Networks. , 2011, , .		24
32	Optimal Frame Length to Maximize Energy Efficiency in IEEE 802.15.6 UWB Body Area Networks. IEEE Wireless Communications Letters, 2014, 3, 397-400.	5.0	24
33	An interference self-cancellation technique for SC-FDMA systems. IEEE Communications Letters, 2010, 14, 512-514.	4.1	22
34	Sample Rate Conversion Using B-Spline Interpolation for OFDM Based Software Defined Radios. IEEE Transactions on Communications, 2012, 60, 2113-2122.	7.8	22
35	Comprehensive Performance Analysis of Fully Cooperative Communication in WBANs. IEEE Access, 2016, 4, 8737-8756.	4.2	22
36	Intelligent Reflecting Surface Aided NOMA for Millimeter-Wave Massive MIMO With Lens Antenna Array. IEEE Transactions on Vehicular Technology, 2021, 70, 4419-4434.	6.3	22

#	ARTICLE	IF	CITATIONS
37	Framework for an Innovative Perceptive Mobile Network Using Joint Communication and Sensing. , 2017, , .		21
38	Multi-Metric Waveform Optimization for Multiple-Input Single-Output Joint Communication and Radar Sensing. IEEE Transactions on Communications, 2022, 70, 1276-1289.	7.8	21
39	Change Detection in High-Resolution SAR Images Based on Jensen's Shannon Divergence and Hierarchical Markov Model. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2014, 7, 3318-3327.	4.9	20
40	Optimal Energy Efficiency Link Adaptation in IEEE 802.15.6 IR-UWB Body Area Networks. IEEE Communications Letters, 2014, 18, 2193-2196.	4.1	19
41	Multibeam Optimization for Joint Communication and Radio Sensing Using Analog Antenna Arrays. IEEE Transactions on Vehicular Technology, 2020, 69, 11000-11013.	6.3	19
42	Frequency-Hopping MIMO Radar-Based Communications: An Overview. IEEE Aerospace and Electronic Systems Magazine, 2022, 37, 42-54.	1.3	19
43	Autocorrelation Based Coarse Timing with Differential Normalization. IEEE Transactions on Wireless Communications, 2012, 11, 526-530.	9.2	18
44	Frequency-Domain Characterization and Performance Bounds of ALMS Loop for RF Self-Interference Cancellation. IEEE Transactions on Communications, 2019, 67, 682-692.	7.8	18
45	Analysis and Mitigation of Clipping Noise in Layered ACO-OFDM Based Visible Light Communication Systems. IEEE Transactions on Communications, 2019, 67, 564-577.	7.8	18
46	Detection of Temporally Correlated Signals over Multipath Fading Channels. IEEE Transactions on Wireless Communications, 2013, 12, 1290-1299.	9.2	17
47	Transceiver I/Q Imbalance Self-Calibration With Phase-Shifted Local Loopback for Multichannel Microwave Backhaul. IEEE Transactions on Wireless Communications, 2016, 15, 7657-7669.	9.2	17
48	Multiple-measurement vector based implementation for single-measurement vector sparse Bayesian learning with reduced complexity. Signal Processing, 2016, 118, 153-158.	3.7	17
49	Analog Least Mean Square Adaptive Filtering for Self-Interference Cancellation in Full Duplex Radios. IEEE Wireless Communications, 2021, 28, 12-18.	9.0	17
50	Integrating Low-Complexity and Flexible Sensing Into Communication Systems. IEEE Journal on Selected Areas in Communications, 2022, 40, 1873-1889.	14.0	17
51	Generating near-white ultra-wideband signals with period extended PN sequences. , 0, , .		16
52	Generalized Continuous Wave Synthetic Aperture Radar for High Resolution and Wide Swath Remote Sensing. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 7217-7229.	6.3	16
53	Analog Least Mean Square Loop for Self-Interference Cancellation: A Practical Perspective. Sensors, 2020, 20, 270.	3.8	16
54	OTFS-Based Joint Communication and Sensing for Future Industrial IoT. IEEE Internet of Things Journal, 2023, 10, 1973-1989.	8.7	16

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55	Cyclostationary Analysis of Analog Least Mean Square Loop for Self-Interference Cancellation in In-Band Full-Duplex Systems. IEEE Communications Letters, 2017, 21, 2738-2741.	4.1	15
56	Optimal Adaptive Hyperbolic Companding for OFDM. , 2007, , .		14
57	Comparison of OTFS Diversity Performance over Slow and Fast Fading Channels. , 2019, , .		14
58	Ship detection and tracking using multi-frequency HFSWR. IEICE Electronics Express, 2010, 7, 410-415.	0.8	13
59	Energy-efficient cooperative relay selection for UWB based body area networks. , 2013, , .		13
60	Low latency integrated point-to-multipoint and e-band point-to-point backhaul for mobile small cells. , 2014, , .		13
61	Rotation Feature Extraction for Moving Targets Based on Temporal Differencing and Image Edge Detection. IEEE Geoscience and Remote Sensing Letters, 2016, 13, 1512-1516.	3.1	13
62	Fractional Reverse Polarity Optical OFDM for High Speed Dimmable Visible Light Communications. IEEE Transactions on Communications, 2018, 66, 1565-1578.	7.8	13
63	Joint Communication and Radar Sensing in 5G Mobile Network by Compressive Sensing. , 2019, , .		13
64	Transmit Beamforming for Communication and Self-Interference Cancellation in Full Duplex MIMO Systems: A Trade-Off Analysis. IEEE Transactions on Wireless Communications, 2021, 20, 3760-3769.	9.2	13
65	Scalable complete complementary sets of sequences. , 0, , .		12
66	Complementary Properties of Hadamard Matrices. , 2006, , .		12
67	A Survey of Low Duty Cycle MAC Protocols in Wireless Sensor Networks. , 2011, , .		12
68	Compressed Sensing Based Channel Estimation for Two-Way Relay Networks. IEEE Wireless Communications Letters, 2012, 1, 201-204.	5.0	12
69	Signal stripping based sensing parameter estimation in perceptive mobile networks. , 2017, , .		12
70	Analog Least Mean Square Loop With I/Q Imbalance for Self-Interference Cancellation in Full-Duplex Radios. IEEE Transactions on Vehicular Technology, 2019, 68, 9848-9860.	6.3	12
71	Unbalanced Hybrid AOA/RSSI Localization for Simplified Wireless Sensor Networks. Sensors, 2020, 20, 3838.	3.8	12
72	A New Spreading Matrix for Block Spread OFDM. , 2006, , .		11

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73	Subsampled circulant matrix based analogue compressed sensing. Electronics Letters, 2012, 48, 767.	1.0	11
74	Accurate Channel Estimation for Frequency-Hopping Dual-Function Radar Communications. , 2020, , .		11
75	Performance Analysis of Uplink NOMA Systems With Hardware Impairments and Delay Constraints Over Composite Fading Channels. IEEE Transactions on Vehicular Technology, 2021, 70, 6881-6897.	6.3	11
76	Joint communication and radar sensing in 5G mobile network by compressive sensing. IET Communications, 2020, 14, 3977-3988.	2.2	11
77	Performances of impulse train modulated ultra-wideband systems. , 0, , .		10
78	Multipath Diversity of Precoded OFDM with Linear Equalization. , 2008, , .		10
79	Diversity Combining for Layered Asymmetrically Clipped Optical OFDM Using Soft Successive Interference Cancellation. IEEE Communications Letters, 2017, 21, 1309-1312.	4.1	10
80	A Millimeter-Wave GCW-SAR Based on Deramp-on-Receive and Piecewise Constant Doppler Imaging. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 680-690.	6.3	10
81	Parameter Estimation and Signal Optimization for Joint Communication and Radar Sensing. , 2020, , .		10
82	Accurate Frequency Estimation With Fewer DFT Interpolations Based on Pad \hat{A} Approximation. IEEE Transactions on Vehicular Technology, 2021, 70, 7267-7271.	6.3	10
83	Performance of Impulse-Train-Modulated Ultra-Wideband Systems. IEEE Transactions on Communications, 2006, 54, 1933-1936.	7.8	9
84	Adaptive searching and tracking algorithm for AoA estimation in localized hybrid array. , 2015, , .		9
85	Joint Communications and Sensing Using Two Steerable Analog Antenna Arrays. , 2017, , .		9
86	Energy-Harvesting Aided Unmanned Aerial Vehicles for Reliable Ground User Localization and Communications Under Lognormal-Nakagami- m Fading Channels. IEEE Transactions on Vehicular Technology, 2021, 70, 1632-1647.	6.3	9
87	Hybrid TOA/AOA Localization with 1D Angle Estimation in UAV-assisted WSN. , 2020, , .		9
88	Simple implementations of mutually orthogonal complementary sets of sequences. , 2005, , .		8
89	Performance analysis of MAC protocol for cooperative MIMO transmissions in WSN. , 2008, , .		8
90	Adaptive AoA Estimation and Beamforming with Hybrid Antenna Arrays. , 2009, , .		8

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91	An efficient implementation of PRACH generator in LTE UE transmitters. , 2011, , .		8
92	Superpixel-based change detection in high resolution sar images using region covariance features. , 2015, , .		8
93	On Performance of Analog Least Mean Square Loop for Self-Interference Cancellation in In-Band Full-Duplex OFDM Systems. , 2017, , .		8
94	Adaptive AoA and Polarization Estimation for Receiving Polarized mmWave Signals. IEEE Wireless Communications Letters, 2019, 8, 540-543.	5.0	8
95	Gaussian-Mixture-Model Based Clutter Suppression in Perceptive Mobile Networks. IEEE Communications Letters, 2021, 25, 152-156.	4.1	8
96	Joint Communications and Sensing Employing Multi- or Single-Carrier OFDM Communication Signals: A Tutorial on Sensing Methods, Recent Progress and a Novel Design. Sensors, 2022, 22, 1613.	3.8	8
97	MMSE-Optimal Approximation of Continuous-Phase Modulated Signal as Superposition of Linearly Modulated Pulses. IEEE Transactions on Communications, 2005, 53, 1166-1177.	7.8	7
98	Ultra-Wideband Technology for Video Surveillance Sensor Networks. , 2006, , .		7
99	3D building reconstruction and visualization for single high resolution satellite image. , 2007, , .		7
100	Diversity performance of precoded OFDM with MMSE equalization. , 2007, , .		7
101	Frequency-Domain Digital Calibration and Beamforming with Wideband Antenna Array. , 2010, , .		7
102	Interference coordination and performance enhancement for shared relay networks in LTE-Advanced systems. , 2011, , .		7
103	Adaptive Antenna Arrays for Ad-Hoc Millimetre-Wave Wireless Communications. , 0, , .		7
104	Inter-Cell Interference Coordination for Type I Relay Networks in LTE Systems. , 2011, , .		7
105	Adaptive power allocation for soft frequency reuse in multi-cell LTE networks. , 2012, , .		7
106	Gaussian Approximation Based Interpolation for Channel Matrix Inversion in MIMO-OFDM Systems. IEEE Transactions on Wireless Communications, 2013, 12, 1407-1417.	9.2	7
107	Energy-Efficient Distributed Beamforming in UWB Based Implant Body Area Networks. , 2015, , .		7
108	Interference Cancellation for Layered Asymmetrically Clipped Optical OFDM With Application to Optical Receiver Design. Journal of Lightwave Technology, 2018, 36, 2100-2113.	4.6	7

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109	Joint Adaptive AoA and Polarization Estimation Using Hybrid Dual-Polarized Antenna Arrays. IEEE Access, 2019, 7, 76353-76366.	4.2	7
110	Low-Complexity Multiuser Receiver for Massive Hybrid Array mmWave Communications. IEEE Transactions on Communications, 2019, 67, 3512-3524.	7.8	7
111	Airplane-Aided Integrated Next-Generation Networking. IEEE Transactions on Vehicular Technology, 2021, 70, 9345-9354.	6.3	7
112	Adaptive Transmission With Frequency-Domain Precoding and Linear Equalization Over Fast Fading Channels. IEEE Transactions on Wireless Communications, 2021, 20, 7420-7430.	9.2	7
113	Performance evaluation of MAC protocols for cooperative MIMO transmissions in sensor networks. , 2008, , .		7
114	Integrating Secure Communications Into Frequency Hopping MIMO Radar With Improved Data Rate. IEEE Transactions on Wireless Communications, 2022, 21, 5392-5405.	9.2	7
115	Diversity performance of interleaved spread spectrum OFDM signals over frequency selective multipath fading channels. , 2007, , .		6
116	A Study of Different Angles for the New Spread Matrix for BSOFD in UWB Channels. , 2007, , .		6
117	MSE lower bounds for phase estimation based on overlapped Gaussian distribution. , 2010, , .		6
118	Closed-form MSE performance for phase estimation from Gaussian reference signals. , 2011, , .		6
119	A Low-Complexity Energy-Minimization-Based SCMA Detector and Its Convergence Analysis. IEEE Transactions on Vehicular Technology, 2018, 67, 12398-12403.	6.3	6
120	Virtual-Subarray-Based Angle-of-Arrival Estimation in Analog Antenna Arrays. IEEE Wireless Communications Letters, 2020, 9, 194-197.	5.0	6
121	ALMS Loop Analyses With Higher-Order Statistics and Strategies for Joint Analog and Digital Self-Interference Cancellation. IEEE Transactions on Wireless Communications, 2021, 20, 6467-6480.	9.2	6
122	Suppression of Multiple Spatially Correlated Jammers. IEEE Transactions on Vehicular Technology, 2021, 70, 10489-10500.	6.3	6
123	Reliable Frequency-Hopping MIMO Radar-Based Communications With Multi-Antenna Receiver. IEEE Transactions on Communications, 2021, 69, 5502-5513.	7.8	6
124	A Novel Approach of Spreading Spectrum in OFDM Systems. , 2006, , .		5
125	Adaptive Low-Complexity MMSE Channel Estimation for OFDM. , 2006, , .		5
126	STC-MIMO Block Spread OFDM in Frequency Selective Rayleigh Fading Channels. , 2006, , .		5

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127	An Impulse Ultra-wideband System Capable of Concurrent Transmission and Reception, Part I: Requirements and Innovations. , 2006, , .		5
128	Adaptive Overlap-Add Equalization for MB-OFDM Ultra-Wideband. , 2006, , .		5
129	A bistatic HF radar for surface current mapping. IEICE Electronics Express, 2010, 7, 1435-1440.	0.8	5
130	Aliasing radar receiver in FMICW system. IEICE Electronics Express, 2010, 7, 697-703.	0.8	5
131	Robust Downlink Precoding in Multiuser MIMO-OFDM Systems with Time-Domain Quantized Feedback. , 2010, , .		5
132	Random circulant orthogonal matrix based Analog Compressed Sensing. , 2012, , .		5
133	Optimal spectrum sensing over multipath channels. , 2012, , .		5
134	Spectrum sensing over frequency-selective fading channel with tap and spatial correlations. , 2012, , .		5
135	A resource allocation scheme for balanced performance improvement in LTE networks with inter-cell interference. , 2012, , .		5
136	User-Directed Analog Beamforming for Multiuser Millimeter-Wave Hybrid Array Systems. , 2017, , .		5
137	Analog Least Mean Square Loop for Self-Interference Cancellation in Generalized Continuous Wave SAR. , 2018, , .		5
138	Constrained Multibeam Optimization for Joint Communication and Radio Sensing. , 2019, , .		5
139	Energy Efficient Cooperative Communication for UWB Based In-Body Area Networks. , 2013, , .		5
140	Simple CPM Receivers Based on a Switched Linear Modulation Model. IEEE Transactions on Communications, 2005, 53, 1100-1103.	7.8	4
141	Ultra-Wideband MB-OFDM Channel Estimation with Complementary Codes. , 2006, , .		4
142	Adaptive Time-Frequency Codes for Ultra-Wideband. , 2007, , .		4
143	Peak-to-average power ratio performance of interleaved spread spectrum OFDM signals. , 2007, , .		4
144	Subband Adaptive Filtering for Efficient Spectrum Utilization in Cognitive Radios. , 2008, , .		4

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145	MAC Protocol for Cooperative MIMO Transmissions in Asynchronous Wireless Sensor Networks. , 2008, , .		4
146	Phase-Shifted Interpolation for Complex Signals. IEEE Communications Letters, 2012, 16, 1466-1469.	4.1	4
147	Multi-Gigabit Microwave and Millimeter-Wave Communications Research at CSIRO. , 2014, , .		4
148	Joint transmitter and receiver I/Q imbalance estimation in presence of carrier frequency offset. , 2015, , .		4
149	Zeroforcing precoding based MAC design to address hidden terminals in MU-MIMO WLANs. , 2015, , .		4
150	Region-based change detection of PolSAR images using analytic information-theoretic divergence. , 2015, , .		4
151	Energy efficient cooperative transmission in single-relay UWB based body area networks. , 2015, , .		4
152	Quadrature broadband phase shift generation using passive RC polyphase filter for RF front-end. , 2016, , .		4
153	Analog antenna array based sensing in perceptive mobile networks. , 2017, , .		4
154	Tree Crown Detection and Delineation Using Optical Satellite Imagery. , 2018, , .		4
155	Massive MIMO for Tactical Ad-hoc Networks in RF Contested Environments. , 2019, , .		4
156	Beam-Based Analog Self-Interference Cancellation with Auxiliary Transmit Chains in Full-Duplex MIMO Systems. , 2019, , .		4
157	A 30 Gbps Low-Complexity and Real-Time Digital Modem for Wireless Communications at 0.325 THz. , 2019, , .		4
158	Cooperative MIMO Systems in Wireless Sensor Networks. , 0, , .		4
159	On the Impacts of I/Q Imbalance in Analog Least Mean Square Adaptive Filter for Self-Interference Cancellation in Full-Duplex Radios. IEEE Transactions on Vehicular Technology, 2022, 71, 10683-10693.	6.3	4
160	The multicode interleaved DSSS system for high speed wireless digital communications. , 0, , .		3
161	Polyphase scalable complete complementary sets of sequences. , 0, , .		3
162	An Efficient Platform for 3D City Model Visualization. , 2006, , .		3

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163	An Impulse Ultra-wideband System Capable of Concurrent Transmission and Reception, Part II: Design and Performance. , 2006, , .		3
164	Exploiting Time Diversity to Improve Block Spread OFDM in a Multipath Environment. , 0, , .		3
165	New Higher Order Rotation Spreading Matrix for BSOFD. , 2007, , .		3
166	A Study of Different Angles for Higher Order Rotation Spreading Matrix for BSOFD in UWB Channels. , 2007, , .		3
167	Hybrid Automatic Repeat Requests for MB-OFDM Ultra-Wideband. , 2007, , .		3
168	BER-delay characteristics analysis of IEEE 802.15.4 wireless sensor networks with cooperative MIMO. , 2007, , .		3
169	Spreading with Walsh code for $\pi/2$ -DBPSK modulated WBAN systems. , 2010, , .		3
170	Hierarchical segmentation of polarimetric SAR image via Non-Parametric Graph Entropy. , 2014, , .		3
171	Addressing Hidden Terminals in WLANs with Zero Forcing Coordinated Beamforming. , 2014, , .		3
172	Saliency detection based on distance between patches in polarimetric SAR images. , 2014, , .		3
173	Performance Analysis of Chaotic Sampling and Detection in CS-DCSK UWB System. , 2016, , .		3
174	Multicast Systems With Fair Scheduling in Non-identically Distributed Fading Channels. IEEE Transactions on Vehicular Technology, 2017, 66, 8835-8844.	6.3	3
175	Passive synthetic aperture radar imaging with piecewise constant Doppler algorithm. , 2017, , .		3
176	A Generalized Continuous Wave Synthetic Aperture Radar. , 2017, , .		3
177	Dimming Compatible Optical OFDM for High Speed Visible Light Communications. , 2017, , .		3
178	Fast Angle-of-Arrival Estimation via Virtual Subarrays in Analog Antenna Array. IEEE Transactions on Wireless Communications, 2020, 19, 6425-6439.	9.2	3
179	Piecewise Constant Doppler Algorithm: Performance Analysis, Further Simplification, and Motion Compensation. IEEE Transactions on Aerospace and Electronic Systems, 2020, 56, 3613-3631.	4.7	3
180	3-D Terahertz Imaging Based on Piecewise Constant Doppler Algorithm and Step-Frequency Continuous-Wave Signaling. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 6771-6783.	6.3	3

#	ARTICLE	IF	CITATIONS
181	Analog Self-Interference Cancellation in Dual-Polarization Full-Duplex MIMO Systems. IEEE Communications Letters, 2021, 25, 3075-3079.	4.1	3
182	Dual Pulse Shaping Transmission and Equalization for High-Speed Wideband Wireless Communication Systems. IEEE Transactions on Circuits and Systems I: Regular Papers, 2020, 67, 2372-2382.	5.4	3
183	Frequency Domain Pilot-Aided Channel Estimation for OTFS over Fast Fading Channels. , 2021, , .		3
184	Analog-Domain Suppression of Strong Interference Using Hybrid Antenna Array. Sensors, 2022, 22, 2417.	3.8	3
185	Simple noncoherent cpm receivers by pam decomposition and mmse equalization. , 0, , .		2
186	Effect of DC Offset on OFDM System with Zero-Padded Suffix. , 2006, , .		2
187	A new approach to BSOFDMA - parallel concatenated spreading matrices OFDM. , 2007, , .		2
188	Analytical Study of the Rotation Spreading Matrix of Block Spread OFDM with MMSE Equalization. , 2008, , .		2
189	MSE Bounds for Phase Estimation in Presence of Recursive Nuisance Parameters. , 2009, , .		2
190	Parallel Packet Transmission Based on OFDM. , 2009, , .		2
191	Phase-coded interrupted continuous waves analysis, parameters design and processor design. IEICE Electronics Express, 2010, 7, 1441-1446.	0.8	2
192	Optimal Cooperative MIMO Scheme in Wireless Sensor Networks. , 2010, , .		2
193	Block Spread OFDMA with STC MIMO for Improved Frequency and Spatial Diversity over Broadband Wireless Access Uplink. , 2010, , .		2
194	Superframe-level time-hopping system with variable contention access period for wireless body area communications. , 2011, , .		2
195	Compressed Network Coding for Distributed Storage in Wireless Sensor Networks. , 2012, , .		2
196	Performance evaluation of virtual MIMO for UWB based body area networks. , 2013, , .		2
197	Semantic segmentation of polarimetric SAR image via the uniform homogeneity slice. , 2014, , .		2
198	Anti-noise-folding regularized subspace pursuit recovery algorithm for noisy sparse signals. , 2014, , .		2

#	ARTICLE	IF	CITATIONS
199	Joint optimal relay location and power allocation for ultra-wideband-based wireless body area networks. <i>Eurasip Journal on Wireless Communications and Networking</i> , 2015, 2015, .	2.4	2
200	Effect of CSI quantization on the average rate in MU-MIMO WLANs. , 2016, , .		2
201	A 20 Gbps Digital Modem for High Speed Wireless Backhaul Applications. , 2017, , .		2
202	Low-Complexity Uplink Multiuser Receivers for MIMO System with Massive Hybrid Array. , 2017, , .		2
203	Gaussian Message Passing Based Passive Localization in the Presence of Receiver Detection Failures. , 2018, , .		2
204	A High-Speed Low-Cost Millimeter Wave System with Dual Pulse Shaping Transmission and Symbol Rate Equalization Techniques. , 2019, , .		2
205	Quantization with Combined Codebook for Hybrid Array using Two-Phase-Shifter Structure. , 2019, , .		2
206	Dual Pulse Shaping Transmission with Complementary Nyquist Pulses. , 2019, , .		2
207	An Universal Circular Synthetic Aperture Radar. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2022, 60, 1-15.	6.3	2
208	Low-Complexity Iterative Detection for Dual-Mode Index Modulation in Dispersive Nonlinear Satellite Channels. <i>IEEE Transactions on Communications</i> , 2022, 70, 1261-1275.	7.8	2
209	Adaptive Transmission Based on MMSE Equalization over Fast Fading Channels. , 2020, , .		2
210	A Panoramic Synthetic Aperture Radar. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2022, 60, 1-13.	6.3	2
211	Sample rate conversion by trapezoidal interpolation for software defined radio. , 0, , .		1
212	Complementary Channel Estimation and Synchronization for OFDM. , 2007, , .		1
213	Higher order rotation spreading matrix for block spread OFDM. , 2007, , .		1
214	Viability of concurrent transmission and reception for UWB radios over multipath channels. , 2007, , .		1
215	Adaptive Subband Selection in OFDM-Based Cognitive Radios for Better System Coexistence. , 2008, , .		1
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