

# 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	OTFS-Based Joint Communication and Sensing for Future Industrial IoT. IEEE Internet of Things Journal, 2023, 10, 1973-1989.	8.7	16
2	An Universal Circular Synthetic Aperture Radar. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-15.	6.3	2
3	Enabling Joint Communication and Radar Sensing in Mobile Networks—A Survey. IEEE Communications Surveys and Tutorials, 2022, 24, 306-345.	39.4	220
4	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
5	Frequency-Hopping MIMO Radar-Based Communications: An Overview. IEEE Aerospace and Electronic Systems Magazine, 2022, 37, 42-54.	1.3	19
6	Low-Complexity Iterative Detection for Dual-Mode Index Modulation in Dispersive Nonlinear Satellite Channels. IEEE Transactions on Communications, 2022, 70, 1261-1275.	7.8	2
7	Integrating Secure Communications Into Frequency Hopping MIMO Radar With Improved Data Rate. IEEE Transactions on Wireless Communications, 2022, 21, 5392-5405.	9.2	7
8	Integrating Low-Complexity and Flexible Sensing Into Communication Systems. IEEE Journal on Selected Areas in Communications, 2022, 40, 1873-1889.	14.0	17
9	Radio Frequency Camera: A Noncoherent Circular Array SAR With Uncoordinated Illuminations. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-14.	6.3	1
10	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
11	Analog-Domain Suppression of Strong Interference Using Hybrid Antenna Array. Sensors, 2022, 22, 2417.	3.8	3
12	3-D Millimeter-Wave Helical Imaging. IEEE Transactions on Microwave Theory and Techniques, 2022, 70, 2499-2511.	4.6	1
13	A Panoramic Synthetic Aperture Radar. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-13.	6.3	2
14	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
15	Asynchronous Uplink Sensors Fused in Perceptive Mobile Networks. , 2022, , .		0
16	Enhanced Angle-of-Arrival and Polarization Parameter Estimation Using Localized Hybrid Dual-Polarized Arrays. Sensors, 2022, 22, 5207.	3.8	0
17	Gaussian-Mixture-Model Based Clutter Suppression in Perceptive Mobile Networks. IEEE Communications Letters, 2021, 25, 152-156.	4.1	8
18	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

#	ARTICLE	IF	CITATIONS
19	Uplink Sensing in Perceptive Mobile Networks With Asynchronous Transceivers. IEEE Transactions on Signal Processing, 2021, 69, 1287-1300.	5.3	46
20	Suppression of Multiple Spatially Correlated Jammers. IEEE Transactions on Vehicular Technology, 2021, 70, 10489-10500.	6.3	6
21	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
22	Analog Least Mean Square Adaptive Filtering for Self-Interference Cancellation in Full Duplex Radios. IEEE Wireless Communications, 2021, 28, 12-18.	9.0	17
23	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
24	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
25	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
26	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
27	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
28	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
29	Reliable Frequency-Hopping MIMO Radar-Based Communications With Multi-Antenna Receiver. IEEE Transactions on Communications, 2021, 69, 5502-5513.	7.8	6
30	Airplane-Aided Integrated Next-Generation Networking. IEEE Transactions on Vehicular Technology, 2021, 70, 9345-9354.	6.3	7
31	Analog Self-Interference Cancellation in Dual-Polarization Full-Duplex MIMO Systems. IEEE Communications Letters, 2021, 25, 3075-3079.	4.1	3
32	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
33	Frequency Domain Pilot-Aided Channel Estimation for OTFS over Fast Fading Channels. , 2021, , .		3
34	Terahertz Communication Demonstration by using a High-Tc Superconducting Josephson Receiver Integrated with a Miniature Cryocooler. , 2021, , .		0
35	Virtual-Subarray-Based Angle-of-Arrival Estimation in Analog Antenna Arrays. IEEE Wireless Communications Letters, 2020, 9, 194-197.	5.0	6
36	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

#	ARTICLE	IF	CITATIONS
37	Iterative Receiver Design for FTN Signaling Aided Sparse Code Multiple Access. IEEE Transactions on Wireless Communications, 2020, 19, 915-928.	9.2	57
38	Fast Angle-of-Arrival Estimation via Virtual Subarrays in Analog Antenna Array. IEEE Transactions on Wireless Communications, 2020, 19, 6425-6439.	9.2	3
39	Accurate Channel Estimation for Frequency-Hopping Dual-Function Radar Communications. , 2020, , .		11
40	Parameter Estimation and Signal Optimization for Joint Communication and Radar Sensing. , 2020, , .		10
41	Unbalanced Hybrid AOA/RSSI Localization for Simplified Wireless Sensor Networks. Sensors, 2020, 20, 3838.	3.8	12
42	Multibeam Optimization for Joint Communication and Radio Sensing Using Analog Antenna Arrays. IEEE Transactions on Vehicular Technology, 2020, 69, 11000-11013.	6.3	19
43	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
44	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
45	Beam-Based Analog Self-Interference Cancellation in Full-Duplex MIMO Systems. IEEE Transactions on Wireless Communications, 2020, 19, 2460-2471.	9.2	27
46	Analog Least Mean Square Loop for Self-Interference Cancellation: A Practical Perspective. Sensors, 2020, 20, 270.	3.8	16
47	Joint communication and radar sensing in 5G mobile network by compressive sensing. IET Communications, 2020, 14, 3977-3988.	2.2	11
48	Joint Phase Noise Estimation and Decoding in OFDM-IM. , 2020, , .		1
49	Multi-user MIMO Communications with Interference Mitigation in Time-varying Channels. , 2020, , .		0
50	Multi-user MIMO with Jamming Suppression for Spectrum-Efficient Tactical Communications. , 2020, , .		0
51	Hybrid TOA/AOA Localization with 1D Angle Estimation in UAV-assisted WSN. , 2020, , .		9
52	Waveform Design and Accurate Channel Estimation for Frequency-Hopping MIMO Radar-Based Communications. IEEE Transactions on Communications, 2020, , 1-1.	7.8	44
53	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
54	Adaptive Transmission Based on MMSE Equalization over Fast Fading Channels. , 2020, , .		2

#	ARTICLE	IF	CITATIONS
55	Optimization and Quantization of Multibeam Beamforming Vector for Joint Communication and Radio Sensing. IEEE Transactions on Communications, 2019, 67, 6468-6482.	7.8	30
56	Airplane-Aided Integrated Networking for 6G Wireless: Will It Work?. IEEE Vehicular Technology Magazine, 2019, 14, 84-91.	3.4	101
57	TOA-Based Passive Localization Constructed Over Factor Graphs: A Unified Framework. IEEE Transactions on Communications, 2019, 67, 6952-6965.	7.8	56
58	Comparison of OTFS Diversity Performance over Slow and Fast Fading Channels. , 2019, , .		14
59	A High-Speed Low-Cost Millimeter Wave System with Dual Pulse Shaping Transmission and Symbol Rate Equalization Techniques. , 2019, , .		2
60	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
61	Joint Adaptive AoA and Polarization Estimation Using Hybrid Dual-Polarized Antenna Arrays. IEEE Access, 2019, 7, 76353-76366.	4.2	7
62	Quantization with Combined Codebook for Hybrid Array using Two-Phase-Shifter Structure. , 2019, , .		2
63	Low-Complexity Multiuser Receiver for Massive Hybrid Array mmWave Communications. IEEE Transactions on Communications, 2019, 67, 3512-3524.	7.8	7
64	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
65	Analog Least Mean Square Loop for Self-Interference Cancellation: Implementation and Measurements. , 2019, , .		1
66	A Fast Piecewise Constant Doppler Algorithm for Generalized Continuous Wave Synthetic Aperture Radar. , 2019, , .		0
67	Enhanced AoA Estimation Using Localized Hybrid Dual-Polarized Arrays. , 2019, , .		0
68	Angle-of-Arrival Acquisition and Tracking via Virtual Subarrays in an Analog Array. , 2019, , .		0
69	Massive MIMO for Tactical Ad-hoc Networks in RF Contested Environments. , 2019, , .		4
70	Beam-Based Analog Self-Interference Cancellation with Auxiliary Transmit Chains in Full-Duplex MIMO Systems. , 2019, , .		4
71	Analog Least Mean Square Loops for Self-Interference Cancellation in In-Band Full-Duplex Systems. , 2019, , .		0
72	Joint Communication and Radar Sensing in 5G Mobile Network by Compressive Sensing. , 2019, , .		13

#	ARTICLE	IF	CITATIONS
73	Constrained Multibeam Optimization for Joint Communication and Radio Sensing. , 2019, , .		5
74	Dual Pulse Shaping Transmission with Complementary Nyquist Pulses. , 2019, , .		2
75	A 30 Gbps Low-Complexity and Real-Time Digital Modem for Wireless Communications at 0.325 THz. , 2019, , .		4
76	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
77	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
78	Adaptive AoA and Polarization Estimation for Receiving Polarized mmWave Signals. IEEE Wireless Communications Letters, 2019, 8, 540-543.	5.0	8
79	Multibeam for Joint Communication and Radar Sensing Using Steerable Analog Antenna Arrays. IEEE Transactions on Vehicular Technology, 2019, 68, 671-685.	6.3	143
80	Enabling Ultra-Reliable and Low-Latency Communications through Unlicensed Spectrum. IEEE Network, 2018, 32, 70-77.	6.9	37
81	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
82	Fractional Reverse Polarity Optical OFDM for High Speed Dimmable Visible Light Communications. IEEE Transactions on Communications, 2018, 66, 1565-1578.	7.8	13
83	Analog Least Mean Square Loop for Self-Interference Cancellation in Generalized Continuous Wave SAR. , 2018, , .		5
84	Matrix Normalization Based ZF Hybrid Precoded Multi-User MIMO mmWave Systems with Massive Array. , 2018, , .		1
85	Low-Complexity Digital Modem Implementation for High-Speed Point-to-Point Wireless Communications. , 2018, , .		1
86	Tree Crown Detection and Delineation Using Optical Satellite Imagery. , 2018, , .		4
87	A Low-Complexity Energy-Minimization-Based SCMA Detector and Its Convergence Analysis. IEEE Transactions on Vehicular Technology, 2018, 67, 12398-12403.	6.3	6
88	Gaussian Message Passing Based Passive Localization in the Presence of Receiver Detection Failures. , 2018, , .		2
89	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
90	Diversity Combining for Layered Asymmetrically Clipped Optical OFDM Using Soft Successive Interference Cancellation. IEEE Communications Letters, 2017, 21, 1309-1312.	4.1	10

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91	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
92	Multicast Systems With Fair Scheduling in Non-identically Distributed Fading Channels. IEEE Transactions on Vehicular Technology, 2017, 66, 8835-8844.	6.3	3
93	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
94	Joint Communications and Sensing Using Two Steerable Analog Antenna Arrays. , 2017, , .		9
95	A 20 Gbps Digital Modem for High Speed Wireless Backhaul Applications. , 2017, , .		2
96	On Performance of Analog Least Mean Square Loop for Self-Interference Cancellation in In-Band Full-Duplex OFDM Systems. , 2017, , .		8
97	Passive synthetic aperture radar imaging with piecewise constant Doppler algorithm. , 2017, , .		3
98	Signal stripping based sensing parameter estimation in perceptive mobile networks. , 2017, , .		12
99	Analog antenna array based sensing in perceptive mobile networks. , 2017, , .		4
100	A low cost interpolation based detection algorithm for medium-size massive MIMO-OFDM systems. , 2017, , .		0
101	Low-Complexity Uplink Multiuser Receivers for MIMO System with Massive Hybrid Array. , 2017, , .		2
102	AC-PROT: An Access Control Model to Improve Software-Defined Networking Security. , 2017, , .		1
103	A Generalized Continuous Wave Synthetic Aperture Radar. , 2017, , .		3
104	Framework for an Innovative Perceptive Mobile Network Using Joint Communication and Sensing. , 2017, , .		21
105	User-Directed Analog Beamforming for Multiuser Millimeter-Wave Hybrid Array Systems. , 2017, , .		5
106	Dimming Compatible Optical OFDM for High Speed Visible Light Communications. , 2017, , .		3
107	Improved quality-based channel state feedback scheme in multicast systems with greedy scheduling. , 2016, , .		1
108	Quadrature broadband phase shift generation using passive RC polyphase filter for RF front-end. , 2016, , .		4

#	ARTICLE	IF	CITATIONS
109	Comprehensive Performance Analysis of Fully Cooperative Communication in WBANs. IEEE Access, 2016, 4, 8737-8756.	4.2	22
110	Effect of CSI quantization on the average rate in MU-MIMO WLANs. , 2016, , .		2
111	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
112	Performance Analysis of Chaotic Sampling and Detection in CS-DCSK UWB System. , 2016, , .		3
113	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
114	Solving hidden terminal problem in MU-MIMO WLANs with fairness and throughput-aware precoding and a degrees-of-freedom-based MAC design. Eurasip Journal on Wireless Communications and Networking, 2016, 2016, .	2.4	0
115	Multiple-measurement vector based implementation for single-measurement vector sparse Bayesian learning with reduced complexity. Signal Processing, 2016, 118, 153-158.	3.7	17
116	Inertial Sensor based Post Fall Analysis for False Alarming Reduction. , 2016, , .		0
117	Superpixel-based change detection in high resolution sar images using region covariance features. , 2015, , .		8
118	Joint transmitter and receiver I/Q imbalance estimation in presence of carrier frequency offset. , 2015, , .		4
119	Automatic Ship Detection in SAR Images Using Multi-Scale Heterogeneities and an A Contrario Decision. Remote Sensing, 2015, 7, 7695-7711.	4.0	34
120	Joint optimal relay location and power allocation for ultra-wideband-based wireless body area networks. Eurasip Journal on Wireless Communications and Networking, 2015, 2015, .	2.4	2
121	Adaptive searching and tracking algorithm for AoA estimation in localized hybrid array. , 2015, , .		9
122	Zeroforcing precoding based MAC design to address hidden terminals in MU-MIMO WLANs. , 2015, , .		4
123	Medium Access Control Protocol to Address Hidden Terminals in MU-MIMO WLANs. , 2015, , .		0
124	Out-of-band emission reduction and a unified framework for precoded OFDM. , 2015, 53, 151-159.		41
125	Massive hybrid antenna array for millimeter-wave cellular communications. IEEE Wireless Communications, 2015, 22, 79-87.	9.0	207
126	Region-based change detection of PolSAR images using analytic information-theoretic divergence. , 2015, , .		4

#	ARTICLE	IF	CITATIONS
127	Energy-Efficient Distributed Beamforming in UWB Based Implant Body Area Networks. , 2015, , .		7
128	A Modified Shuffled Frog Leaping Algorithm for PAPR Reduction in OFDM Systems. IEEE Transactions on Broadcasting, 2015, 61, 698-709.	3.2	35
129	Energy efficient cooperative transmission in single-relay UWB based body area networks. , 2015, , .		4
130	Modified elite chaotic artificial fish swarm algorithm for PAPR reduction in OFDM systems. , 2014, , .		0
131	Multi-Gigabit Microwave and Millimeter-Wave Communications Research at CSIRO. , 2014, , .		4
132	A modified shuffled frog leaping algorithm for PAPR reduction in OFDM systems. , 2014, , .		1
133	Optimal spectral efficiency for cooperative UWB based on-body area networks. , 2014, , .		0
134	Change Detection in High-Resolution SAR Images Based on Jensen-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
135	Hierarchical segmentation of polarimetric SAR image via Non-Parametric Graph Entropy. , 2014, , .		3
136	Semantic segmentation of polarimetric SAR image via the uniform homogeneity slice. , 2014, , .		2
137	Addressing Hidden Terminals in WLANs with Zero Forcing Coordinated Beamforming. , 2014, , .		3
138	Anti-noise-folding regularized subspace pursuit recovery algorithm for noisy sparse signals. , 2014, , .		2
139	Saliency detection based on distance between patches in polarimetric SAR images. , 2014, , .		3
140	DFT-OFDM systems with real modulation and DC-biasing for intensity modulated direct-detection optical communications. , 2014, , .		0
141	Comprehensive imperfection mitigation for precoded OFDM systems. , 2014, , .		1
142	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
143	Energy-delay tradeoffs in impulse-based ultra-wideband body area networks with noncoherent receivers. , 2014, , .		0
144	Low latency integrated point-to-multipoint and e-band point-to-point backhaul for mobile small cells. , 2014, , .		13

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145	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
146	Unified out-of-band emission reduction with linear complexity for OFDM. , 2014, , .		0
147	Spectral Efficiency Optimization with Distributed Beamforming in UWB Based Implant Body Area Networks. , 2014, , .		0
148	Sample rate conversion with parallel processing for high speed multiband OFDM systems. , 2013, , .		1
149	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
150	Impact of sampling rate on PSD of OFDM signal with SSOP sidelobe suppression. , 2013, , .		0
151	Multicarrier Systems Based on Multistage Layered IFFT Structure. IEEE Signal Processing Letters, 2013, 20, 665-668.	3.6	0
152	Performance evaluation of virtual MIMO for UWB based body area networks. , 2013, , .		2
153	Gaussian Approximation Based Interpolation for Channel Matrix Inversion in MIMO-OFDM Systems. IEEE Transactions on Wireless Communications, 2013, 12, 1407-1417.	9.2	7
154	Analog compressed sensing for multiband signals with non-modulated Slepian basis. , 2013, , .		0
155	Detection of Temporally Correlated Signals over Multipath Fading Channels. IEEE Transactions on Wireless Communications, 2013, 12, 1290-1299.	9.2	17
156	Downlink Resource Allocation for Next Generation Wireless Networks with Inter-Cell Interference. IEEE Transactions on Wireless Communications, 2013, 12, 1783-1793.	9.2	39
157	Energy-efficient cooperative relay selection for UWB based body area networks. , 2013, , .		13
158	Carrier frequency offset estimation for non-contiguous OFDM receiver in cognitive radio systems. , 2013, , .		0
159	Energy Efficient Cooperative Communication for UWB Based In-Body Area Networks. , 2013, , .		5
160	Random circulant orthogonal matrix based Analog Compressed Sensing. , 2012, , .		5
161	Sidelobe suppression with orthogonal projection for OFDM systems: Performance characterization. , 2012, , .		0
162	Optimal spectrum sensing over multipath channels. , 2012, , .		5

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163	Adaptive power allocation for soft frequency reuse in multi-cell LTE networks. , 2012, , .		7
164	Phase-Shifted Interpolation for Complex Signals. IEEE Communications Letters, 2012, 16, 1466-1469.	4.1	4
165	Compressed Network Coding for Distributed Storage in Wireless Sensor Networks. , 2012, , .		2
166	Spectrum sensing over frequency-selective fading channel with tap and spatial correlations. , 2012, , .		5
167	An efficient implementation of uplink baseband signal generator in LTE UE transmitters. , 2012, , .		0
168	Sidelobe suppression with orthogonal projection for OFDM systems. , 2012, , .		1
169	Ranging based positioning employing co-operative arrays. , 2012, , .		0
170	A resource allocation scheme for balanced performance improvement in LTE networks with inter-cell interference. , 2012, , .		5
171	Sparse channel estimation for OFDM transmission over two-way works. , 2012, , .		1
172	Subsampled circulant matrix based analogue compressed sensing. Electronics Letters, 2012, 48, 767.	1.0	11
173	Compressed Sensing Based Channel Estimation for Two-Way Relay Networks. IEEE Wireless Communications Letters, 2012, 1, 201-204.	5.0	12
174	Autocorrelation Based Coarse Timing with Differential Normalization. IEEE Transactions on Wireless Communications, 2012, 11, 526-530.	9.2	18
175	Sample Rate Conversion Using B-Spline Interpolation for OFDM Based Software Defined Radios. IEEE Transactions on Communications, 2012, 60, 2113-2122.	7.8	22
176	Phase-shifted interpolation for channel matrix inversion in MIMO-OFDM systems. , 2012, , .		0
177	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
178	A multi-gigabit microwave backhaul. , 2012, 50, 122-129.		37
179	Sidelobe Suppression with Orthogonal Projection for Multicarrier Systems. IEEE Transactions on Communications, 2012, 60, 589-599.	7.8	77
180	Multi-gigabit wireless backhuls for broadband networks. Telecommunications Journal of Australia, 2012, 62, .	0.2	0

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181	Interference coordination and performance enhancement for shared relay networks in LTE-Advanced systems. , 2011, , .		7
182	DoA based positioning employing uniform circular arrays. , 2011, , .		0
183	Closed-form MSE performance for phase estimation from Gaussian reference signals. , 2011, , .		6
184	An efficient implementation of PRACH generator in LTE UE transmitters. , 2011, , .		8
185	Superframe-level time-hopping system with variable contention access period for wireless body area communications. , 2011, , .		2
186	Wideband AoA Estimation and Beamforming with Hybrid Antenna Array. , 2011, , .		0
187	Frequency-Domain AoA Estimation and Beamforming with Wideband Hybrid Arrays. IEEE Transactions on Wireless Communications, 2011, 10, 2543-2553.	9.2	47
188	A Survey of Low Duty Cycle MAC Protocols in Wireless Sensor Networks. , 2011, , .		12
189	Optimal Orthogonal Precoding for Power Leakage Suppression in DFT-Based Systems. IEEE Transactions on Communications, 2011, 59, 844-853.	7.8	103
190	Block transform OFDM: A robust power and bandwidth efficient system with improved frequency diversity performance. , 2011, , .		0
191	Load Distribution Aware Soft Frequency Reuse for Inter-Cell Interference Mitigation and Throughput Maximization in LTE Networks. , 2011, , .		24
192	Implementation of wideband digital beam forming in the E-band. International Journal of Microwave and Wireless Technologies, 2011, 3, 259-266.	1.9	1
193	Inter-Cell Interference Coordination for Type I Relay Networks in LTE Systems. , 2011, , .		7
194	Phase-coded interrupted continuous waves analysis, parameters design and processor design. IEICE Electronics Express, 2010, 7, 1441-1446.	0.8	2
195	A bistatic HF radar for surface current mapping. IEICE Electronics Express, 2010, 7, 1435-1440.	0.8	5
196	Ship detection and tracking using multi-frequency HFSWR. IEICE Electronics Express, 2010, 7, 410-415.	0.8	13
197	Aliasing radar receiver in FMICW system. IEICE Electronics Express, 2010, 7, 697-703.	0.8	5
198	Optimal Cooperative MIMO Scheme in Wireless Sensor Networks. , 2010, , .		2

#	ARTICLE	IF	CITATIONS
199	Robust Downlink Precoding in Multiuser MIMO-OFDM Systems with Time-Domain Quantized Feedback. , 2010, , .		5
200	A novel approach for interference suppression in multi-subband convolutional coded OFDM system. , 2010, , .		1
201	MSE lower bounds for phase estimation based on overlapped Gaussian distribution. , 2010, , .		6
202	Block Spread OFDMA with STC MIMO for Improved Frequency and Spatial Diversity over Broadband Wireless Access Uplink. , 2010, , .		2
203	Performance analysis of soft frequency reuse for inter-cell interference coordination in LTE networks. , 2010, , .		37
204	An interference self-cancellation technique for SC-FDMA systems. IEEE Communications Letters, 2010, 14, 512-514.	4.1	22
205	Power Allocation Based on Truncated Squared Norm of Channel Equalization Coefficients for TDD LTE-A Uplink Systems. , 2010, , .		0
206	A hybrid adaptive antenna array. IEEE Transactions on Wireless Communications, 2010, 9, 1770-1779.	9.2	140
207	Spreading with Walsh code for $\pi/2$ -DBPSK modulated WBAN systems. , 2010, , .		3
208	Frequency-Domain Digital Calibration and Beamforming with Wideband Antenna Array. , 2010, , .		7
209	Call Admission Control Scheme for Multicast Service Enabled Cellular Networks. , 2010, , .		1
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