

Xiaodong Wang

List of Publications by Year in descending order

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415
papers

9,617
citations

31976

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62596

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417
all docs

417
docs citations

417
times ranked

7178
citing authors

#	ARTICLE	IF	CITATIONS
1	Coordinated Scheduling and Power Allocation in Downlink Multicell OFDMA Networks. IEEE Transactions on Vehicular Technology, 2009, 58, 2835-2848.	6.3	257
2	LDPC-based space-time coded OFDM systems over correlated fading channels: Performance analysis and receiver design. IEEE Transactions on Communications, 2002, 50, 74-88.	7.8	208
3	MSE-Based Transceiver Designs for the MIMO Interference Channel. IEEE Transactions on Wireless Communications, 2010, 9, 3480-3489.	9.2	195
4	Reliable Beam-space Channel Estimation for Millimeter-Wave Massive MIMO Systems with Lens Antenna Array. IEEE Transactions on Wireless Communications, 2017, 16, 6010-6021.	9.2	180
5	Coordinated linear beamforming in downlink multi-cell wireless networks. IEEE Transactions on Wireless Communications, 2010, 9, 1451-1461.	9.2	155
6	Fast and Robust Modulation Classification via Kolmogorov-Smirnov Test. IEEE Transactions on Communications, 2010, 58, 2324-2332.	7.8	154
7	Online Cyber-Attack Detection in Smart Grid: A Reinforcement Learning Approach. IEEE Transactions on Smart Grid, 2019, 10, 5174-5185.	9.0	151
8	Decentralized sigma-point information filters for target tracking in collaborative sensor networks. IEEE Transactions on Signal Processing, 2005, 53, 2997-3009.	5.3	134
9	Coordinated Multicast Beamforming in Multicell Networks. IEEE Transactions on Wireless Communications, 2013, 12, 12-21.	9.2	133
10	Distributed Quickest Detection of Cyber-Attacks in Smart Grid. IEEE Transactions on Information Forensics and Security, 2018, 13, 2015-2030.	6.9	133
11	Joint Design of Overlaid Communication Systems and Pulsed Radars. IEEE Transactions on Signal Processing, 2018, 66, 139-154.	5.3	127
12	Iterative receivers for space-time block-coded OFDM systems in dispersive fading channels. IEEE Transactions on Wireless Communications, 2002, 1, 213-225.	9.2	123
13	Robust Linear Precoder Design for Multi-Cell Downlink Transmission. IEEE Transactions on Signal Processing, 2011, 59, 235-251.	5.3	123
14	Real-Time Detection of Hybrid and Stealthy Cyber-Attacks in Smart Grid. IEEE Transactions on Information Forensics and Security, 2019, 14, 498-513.	6.9	123
15	Joint Detection and Estimation: Optimum Tests and Applications. IEEE Transactions on Information Theory, 2012, 58, 4215-4229.	2.4	122
16	Efficient Multi-User Detection for Uplink Grant-Free NOMA: Prior-Information Aided Adaptive Compressive Sensing Perspective. IEEE Journal on Selected Areas in Communications, 2017, 35, 2812-2828.	14.0	122
17	Massive MIMO Multicasting in Noncooperative Cellular Networks. IEEE Journal on Selected Areas in Communications, 2014, 32, 1180-1193.	14.0	120
18	Super-Resolution Delay-Doppler Estimation for OFDM Passive Radar. IEEE Transactions on Signal Processing, 2017, 65, 2197-2210.	5.3	119

#	ARTICLE	IF	CITATIONS
19	Weighted Sum-Rate Maximization in Multi-Cell Networks via Coordinated Scheduling and Discrete Power Control. IEEE Journal on Selected Areas in Communications, 2011, 29, 1214-1224.	14.0	114
20	Blind adaptive space-time multiuser detection with multiple transmitter and receiver antennas. IEEE Transactions on Signal Processing, 2002, 50, 1261-1276.	5.3	110
21	Uplink Interference Mitigation for OFDMA Femtocell Networks. IEEE Transactions on Wireless Communications, 2012, 11, 614-625.	9.2	108
22	Secure NOMA Based Two-Way Relay Networks Using Artificial Noise and Full Duplex. IEEE Journal on Selected Areas in Communications, 2018, 36, 1426-1440.	14.0	106
23	Blind Multiuser Detection: From MOE to Subspace Methods. IEEE Transactions on Signal Processing, 2004, 52, 510-524.	5.3	104
24	Semi-Blind Pilot Decontamination for Massive MIMO Systems. IEEE Transactions on Wireless Communications, 2016, 15, 525-536.	9.2	101
25	Moving Target Detection Using Colocated MIMO Radar on Multiple Distributed Moving Platforms. IEEE Transactions on Signal Processing, 2017, 65, 4670-4683.	5.3	100
26	Joint multiple target tracking and classification in collaborative sensor networks. IEEE Journal on Selected Areas in Communications, 2005, 23, 714-723.	14.0	92
27	Far-Field RF Wireless Power Transfer with Blind Adaptive Beamforming for Internet of Things Devices. IEEE Access, 2017, 5, 1743-1752.	4.2	91
28	Secure Satellite-Terrestrial Transmission Over Incumbent Terrestrial Networks via Cooperative Beamforming. IEEE Journal on Selected Areas in Communications, 2018, 36, 1367-1382.	14.0	90
29	Adaptive Optimization of IEEE 802.11 DCF Based on Bayesian Estimation of the Number of Competing Terminals. IEEE Transactions on Mobile Computing, 2006, 5, 1283-1296.	5.8	89
30	Kalman-Filtering-Based In-Motion Coarse Alignment for Odometer-Aided SINS. IEEE Transactions on Instrumentation and Measurement, 2017, 66, 3364-3377.	4.7	88
31	GLRT-Based Spectrum Sensing for Cognitive Radio with Prior Information. IEEE Transactions on Communications, 2010, 58, 2137-2146.	7.8	87
32	Adaptive MIMO antenna selection via discrete stochastic optimization. IEEE Transactions on Signal Processing, 2005, 53, 4315-4329.	5.3	86
33	Fast and Robust Spectrum Sensing via Kolmogorov-Smirnov Test. IEEE Transactions on Communications, 2010, 58, 3410-3416.	7.8	85
34	Joint Channel Estimation and Multiuser Detection for Uplink Grant-Free NOMA. IEEE Wireless Communications Letters, 2018, 7, 682-685.	5.0	81
35	Robust detection of selfish misbehavior in wireless networks. IEEE Journal on Selected Areas in Communications, 2007, 25, 1124-1134.	14.0	77
36	Block-Sparsity-Based Multiuser Detection for Uplink Grant-Free NOMA. IEEE Transactions on Wireless Communications, 2018, 17, 7894-7909.	9.2	77

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37	Beamforming and Rate Allocation in MISO Cognitive Radio Networks. IEEE Transactions on Signal Processing, 2010, 58, 362-377.	5.3	75
38	EM-Based Iterative Receiver Design With Carrier-Frequency Offset Estimation for MIMO OFDM Systems. IEEE Transactions on Communications, 2005, 53, 581-586.	7.8	72
39	Adaptive Sampling of RF Fingerprints for Fine-Grained Indoor Localization. IEEE Transactions on Mobile Computing, 2016, 15, 2411-2423.	5.8	70
40	A new class of soft mimo demodulation algorithms. IEEE Transactions on Signal Processing, 2003, 51, 2752-2763.	5.3	69
41	Downlink Hybrid Information and Energy Transfer With Massive MIMO. IEEE Transactions on Wireless Communications, 2016, 15, 1309-1322.	9.2	68
42	Generalized Low-Density Parity-Check Codes Based on Hadamard Constraints. IEEE Transactions on Information Theory, 2007, 53, 1058-1079.	2.4	67
43	Optimal Joint Target Detection and Parameter Estimation by MIMO Radar. IEEE Journal on Selected Topics in Signal Processing, 2010, 4, 127-145.	10.8	67
44	Robust Cooperative Wi-Fi Fingerprint-Based Indoor Localization. IEEE Internet of Things Journal, 2016, 3, 1406-1417.	8.7	67
45	\$M\$-DCSK-Based Chaotic Communications in MIMO Multipath Channels With No Channel State Information. IEEE Transactions on Circuits and Systems II: Express Briefs, 2010, 57, 1001-1005.	3.0	64
46	Dynamic Sensor Collaboration Via Sequential Monte Carlo. IEEE Journal on Selected Areas in Communications, 2004, 22, 1037-1047.	14.0	63
47	Cooperative Control of Power System Load and Frequency by Using Differential Games. IEEE Transactions on Control Systems Technology, 2015, 23, 882-897.	5.2	63
48	EXIT chart analysis of turbo multiuser detection. IEEE Transactions on Wireless Communications, 2005, 4, 300-311.	9.2	61
49	Spreading Code Optimization and Adaptation in CDMA Via Discrete Stochastic Approximation. IEEE Transactions on Information Theory, 2004, 50, 1927-1949.	2.4	58
50	Design of Rate-Compatible Irregular Repeat Accumulate Codes. IEEE Transactions on Communications, 2007, 55, 1153-1163.	7.8	57
51	A New Linear Programming Approach to Decoding Linear Block Codes. IEEE Transactions on Information Theory, 2008, 54, 1061-1072.	2.4	57
52	LDPC Code Design for Half-Duplex Cooperative Relay. IEEE Transactions on Wireless Communications, 2008, 7, 4558-4567.	9.2	56
53	An Auction Approach to Resource Allocation in Uplink OFDMA Systems. IEEE Transactions on Signal Processing, 2009, 57, 4482-4496.	5.3	56
54	Robust Detection of MAC Layer Denial-of-Service Attacks in CSMA/CA Wireless Networks. IEEE Transactions on Information Forensics and Security, 2008, 3, 347-358.	6.9	55

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55	Weighted-Graph-Coloring-Based Pilot Decontamination for Multicell Massive MIMO Systems. IEEE Transactions on Vehicular Technology, 2017, 66, 2829-2834.	6.3	54
56	A sequential Monte Carlo blind receiver for OFDM systems in frequency-selective fading channels. IEEE Transactions on Signal Processing, 2002, 50, 271-280.	5.3	52
57	A Cooperative SWIPT Scheme for Wirelessly Powered Sensor Networks. IEEE Transactions on Communications, 2017, 65, 2740-2752.	7.8	49
58	Millimeter-Wave Beamformed Full-Dimensional MIMO Channel Estimation Based on Atomic Norm Minimization. IEEE Transactions on Communications, 2018, 66, 6150-6163.	7.8	49
59	Secure Distributed Dynamic State Estimation in Wide-Area Smart Grids. IEEE Transactions on Information Forensics and Security, 2020, 15, 800-815.	6.9	49
60	Joint error control and power allocation for video transmission over CDMA networks with multiuser detection. IEEE Transactions on Circuits and Systems for Video Technology, 2002, 12, 425-437.	8.3	48
61	Blind Frequency-Dependent I/Q Imbalance Compensation for Direct-Conversion Receivers. IEEE Transactions on Wireless Communications, 2010, 9, 1976-1986.	9.2	48
62	NOMA-Based Multi-Pair Two-Way Relay Networks With Rate Splitting and Group Decoding. IEEE Journal on Selected Areas in Communications, 2017, 35, 2328-2341.	14.0	48
63	Performance of blind and group-blind multiuser detectors. IEEE Transactions on Information Theory, 2002, 48, 1849-1872.	2.4	44
64	Quickest Fault Detection in Photovoltaic Systems. IEEE Transactions on Smart Grid, 2016, , 1-1.	9.0	43
65	Nonlinear programming approaches to decoding low-density parity-check codes. IEEE Journal on Selected Areas in Communications, 2006, 24, 1603-1613.	14.0	41
66	NONLINEAR PROBIT GENE CLASSIFICATION USING MUTUAL INFORMATION AND WAVELET-BASED FEATURE SELECTION. Journal of Biological Systems, 2004, 12, 371-386.	1.4	40
67	Analysis and Optimization of Interleave-Division Multiple-Access Communication Systems. , 0, , .		40
68	Transmission Rate Optimization of Full-Duplex Relay Systems Powered by Wireless Energy Transfer. IEEE Transactions on Wireless Communications, 2017, 16, 6438-6450.	9.2	40
69	Multiuser Diversity Gain in Cognitive Networks. IEEE/ACM Transactions on Networking, 2010, 18, 1766-1779.	3.8	39
70	Delayed-pilot sampling for mixture Kalman filter with application in fading channels. IEEE Transactions on Signal Processing, 2002, 50, 241-254.	5.3	38
71	Stochastic modeling and simulation of gene networks - A review of the state-of-the-art research on stochastic simulations. IEEE Signal Processing Magazine, 2007, 24, 27-36.	5.6	38
72	Optimal resource allocation in multi-hop OFDMA wireless networks with cooperative relay. IEEE Transactions on Wireless Communications, 2008, 7, 1833-1838.	9.2	38

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73	Superimposed XOR: A New Physical Layer Network Coding Scheme for Two-Way Relay Channels. , 2009, ,		38
74	Channel estimation for ofdm systems using adaptive radial basis function networks. IEEE Transactions on Vehicular Technology, 2003, 52, 48-59.	6.3	37
75	Blind Multiuser Detection in Uplink CDMA With Multipath Fading: A Sequential EM Approach. IEEE Transactions on Communications, 2004, 52, 71-81.	7.8	37
76	Optimization of irregular repeat accumulate codes for MIMO systems with iterative receivers. IEEE Transactions on Wireless Communications, 2005, 4, 2843-2855.	9.2	37
77	An Online Ride-Sharing Path-Planning Strategy for Public Vehicle Systems. IEEE Transactions on Intelligent Transportation Systems, 2019, 20, 616-627.	8.0	37
78	Blind detection in MIMO systems via sequential Monte Carlo. IEEE Journal on Selected Areas in Communications, 2003, 21, 464-473.	14.0	36
79	An overview on intercell interference management in mobile cellular networks: From 2G to 5G. , 2014, ,		36
80	Blind turbo multiuser detection for long-code multipath CDMA. IEEE Transactions on Communications, 2002, 50, 112-125.	7.8	35
81	Degrees of Freedom for MIMO Two-Way X Relay Channel. IEEE Transactions on Signal Processing, 2013, 61, 1711-1720.	5.3	33
82	Stochastic optimal linear control of wireless networked control systems with delays and packet losses. IET Control Theory and Applications, 2016, 10, 742-751.	2.1	32
83	Adaptive Fault Localization in Photovoltaic Systems. IEEE Transactions on Smart Grid, 2018, 9, 6752-6763.	9.0	32
84	Maximum Correntropy Rauchâ€“Tungâ€“Striebel Smoother for Nonlinear and Non-Gaussian Systems. IEEE Transactions on Automatic Control, 2021, 66, 1270-1277.	5.7	32
85	Throughput of CDMA Data Networks With Multiuser Detection, ARQ, and Packet Combining. IEEE Transactions on Wireless Communications, 2004, 3, 1576-1589.	9.2	31
86	Interference Channel with Constrained Partial Group Decoding. IEEE Transactions on Communications, 2011, 59, 3059-3071.	7.8	31
87	Distributed Point-Based Gaussian Approximation Filtering for Forecasting-Aided State Estimation in Power Systems. IEEE Transactions on Power Systems, 2016, 31, 2597-2608.	6.5	31
88	Analysis and Optimization of Interleave-Division Multiple-Access Communication Systems. IEEE Transactions on Wireless Communications, 2007, 6, 1973-1983.	9.2	30
89	Anti-jamming coding techniques with application to cognitive radio. IEEE Transactions on Wireless Communications, 2009, 8, 5996-6007.	9.2	30
90	Demixing sines and spikes: Robust spectral super-resolution in the presence of outliers. Information and Inference, 2018, 7, 105-168.	1.6	30

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91	Concatenated zigzag hadamard codes. IEEE Transactions on Information Theory, 2006, 52, 1711-1723.	2.4	29
92	Transceiver Design for MIMO VLC Systems With Integer-Forcing Receivers. IEEE Journal on Selected Areas in Communications, 2018, 36, 66-77.	14.0	29
93	TCP performance over wireless MIMO channels with ARQ and packet combining. IEEE Transactions on Mobile Computing, 2006, 5, 208-223.	5.8	28
94	Communication of Energy Harvesting Tags. IEEE Transactions on Communications, 2012, 60, 1159-1166.	7.8	28
95	Cooperative Change Detection for Voltage Quality Monitoring in Smart Grids. IEEE Transactions on Information Forensics and Security, 2016, 11, 86-99.	6.9	28
96	Decentralized Model-Free Wind Farm Control via Discrete Adaptive Filtering Methods. IEEE Transactions on Smart Grid, 2018, 9, 2529-2540.	9.0	28
97	Massive MIMO Downlink for Wireless Information and Energy Transfer With Energy Harvesting Receivers. IEEE Transactions on Communications, 2019, 67, 3309-3322.	7.8	28
98	Sequential Joint Spectrum Sensing and Channel Estimation for Dynamic Spectrum Access. IEEE Journal on Selected Areas in Communications, 2014, 32, 2000-2012.	14.0	26
99	A Multiantenna RFID Reader With Blind Adaptive Beamforming. IEEE Internet of Things Journal, 2016, 3, 986-996.	8.7	26
100	Multicast Precoding for Multigateway Multibeam Satellite Systems With Feeder Link Interference. IEEE Transactions on Wireless Communications, 2019, 18, 1637-1650.	9.2	26
101	A Message-Passing Approach to Distributed Resource Allocation in Uplink DFT-Spread-OFDMA Systems. IEEE Transactions on Communications, 2011, 59, 1099-1113.	7.8	25
102	Scalable Video Broadcast Over Downlink MIMO-OFDM Systems. IEEE Transactions on Circuits and Systems for Video Technology, 2013, 23, 212-223.	8.3	25
103	Energy efficient incentive resource allocation in D2D cooperative communications. , 2015, , .		25
104	Position-Aided Large-Scale MIMO Channel Estimation for High-Speed Railway Communication Systems. IEEE Transactions on Vehicular Technology, 2017, 66, 8964-8978.	6.3	25
105	LS-Decomposition for Robust Recovery of Sensory Big Data. IEEE Transactions on Big Data, 2018, 4, 542-555.	6.1	25
106	Coding-Spreading Tradeoff in LDPC-Coded CDMA With Turbo Multiuser Detection. IEEE Transactions on Wireless Communications, 2004, 3, 1734-1745.	9.2	24
107	GENE SELECTION USING LOGISTIC REGRESSIONS BASED ON AIC, BIC AND MDL CRITERIA. New Mathematics and Natural Computation, 2005, 01, 129-145.	0.7	24
108	Optimal resource allocation for wireless video over CDMA networks. IEEE Transactions on Mobile Computing, 2005, 4, 56-67.	5.8	24

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109	Estimating the PDF of the SIC-MMSE equalizer output and its applications in designing LDPC codes with turbo equalization. IEEE Transactions on Wireless Communications, 2005, 4, 278-287.	9.2	24
110	Efficient Multipath in Sensor Networks using Diffusion and Network Coding. , 2006, , .		24
111	Outage Minimization and Rate Allocation for the Multiuser Gaussian Interference Channels With Successive Group Decoding. IEEE Transactions on Information Theory, 2009, 55, 5540-5557.	2.4	24
112	Efficient receiver algorithms for DFT-spread OFDM systems. IEEE Transactions on Wireless Communications, 2009, 8, 3216-3225.	9.2	24
113	A Rateless Coded Protocol for Half-Duplex Wireless Relay Channels. IEEE Transactions on Signal Processing, 2011, 59, 209-222.	5.3	24
114	Soft Demodulation Algorithms for Generalized Spatial Modulation Using Deterministic Sequential Monte Carlo. IEEE Transactions on Wireless Communications, 2017, 16, 3953-3967.	9.2	24
115	Traffic Off-Loading With Energy-Harvesting Small Cells and Coded Content Caching. IEEE Transactions on Communications, 2017, 65, 906-917.	7.8	24
116	Super-Resolution mmWave Channel Estimation for Generalized Spatial Modulation Systems. IEEE Journal on Selected Topics in Signal Processing, 2019, 13, 1336-1347.	10.8	24
117	Large-system performance analysis of blind and group-blind multiuser receivers. IEEE Transactions on Information Theory, 2002, 48, 2507-2523.	2.4	23
118	Turbo multiuser detection with unknown interferers. IEEE Transactions on Communications, 2002, 50, 616-622.	7.8	23
119	Space-time coding and signal processing for MIMO communications. Journal of Computer Science and Technology, 2003, 18, 689-702.	1.5	23
120	Analysis and optimization of a rateless coded joint relay system. IEEE Transactions on Wireless Communications, 2010, 9, 1175-1185.	9.2	23
121	Optimal state feedback control for wireless networked control systems with decentralised controllers. IET Control Theory and Applications, 2015, 9, 852-862.	2.1	23
122	Optimal Joint Detection and Estimation Based on Decision-Dependent Bayesian Cost. IEEE Transactions on Signal Processing, 2016, 64, 2573-2586.	5.3	23
123	Radar and Communication Spectral Coexistence in Range-Dependent Interference. IEEE Transactions on Signal Processing, 2021, 69, 5891-5906.	5.3	23
124	Distributed initialization algorithms for single-hop ad hoc networks with minislotted carrier sensing. IEEE Transactions on Parallel and Distributed Systems, 2003, 14, 516-528.	5.6	22
125	A simple baseband transmission scheme for power line channels. IEEE Journal on Selected Areas in Communications, 2006, 24, 1351-1363.	14.0	22
126	Resource Allocation for Power Minimization in the Downlink of THP-Based Spatial Multiplexing MIMO-OFDMA Systems. IEEE Transactions on Vehicular Technology, 2015, 64, 405-411.	6.3	22

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127	Attack Detection in Sensor Network Target Localization Systems With Quantized Data. IEEE Transactions on Signal Processing, 2018, 66, 2070-2085.	5.3	22
128	MIMO OFDM Dual-Function Radar-Communication Under Error Rate and Beampattern Constraints. IEEE Journal on Selected Areas in Communications, 2022, 40, 1951-1964.	14.0	22
129	Joint mobility tracking and hard handoff in cellular networks via sequential Monte Carlo filtering. , 0, , .		21
130	Bayesian inference of network loss and delay characteristics with applications to TCP performance prediction. IEEE Transactions on Signal Processing, 2003, 51, 2205-2218.	5.3	21
131	Distributed Joint Routing and Medium Access Control for Lifetime Maximization of Wireless Sensor Networks. IEEE Transactions on Wireless Communications, 2007, 6, 2669-2677.	9.2	21
132	Optimal Successive Group Decoders for MIMO Multiple-Access Channels. IEEE Transactions on Information Theory, 2008, 54, 4821-4846.	2.4	20
133	Adaptive Multiband Spectrum Sensing. IEEE Wireless Communications Letters, 2012, 1, 121-124.	5.0	20
134	Distributed robust optimization (DRO), part I: framework and example. Optimization and Engineering, 2014, 15, 35-67.	2.4	20
135	Resource Allocation in OFDMA Networks With Imperfect Channel State Information. IEEE Communications Letters, 2014, 18, 1611-1614.	4.1	20
136	Decentralized Sequential Composite Hypothesis Test Based on One-Bit Communication. IEEE Transactions on Information Theory, 2017, 63, 3405-3424.	2.4	20
137	On the Performance of OAM in Keyhole Channels. IEEE Wireless Communications Letters, 2019, 8, 313-316.	5.0	20
138	Cross-Layer Design of Wireless Multihop Backhaul Networks With Multiantenna Beamforming. IEEE Transactions on Mobile Computing, 2007, 6, 1259-1269.	5.8	19
139	Analysis and Design of Finite-Length LDPC Codes. IEEE Transactions on Vehicular Technology, 2007, 56, 1321-1332.	6.3	19
140	A successive convex approximation algorithm for weighted sum-rate maximization in downlink OFDMA networks. , 2008, , .		19
141	Cross-Layer Design of Wireless Mesh Networks with Network Coding. IEEE Transactions on Mobile Computing, 2008, 7, 1363-1373.	5.8	19
142	Adaptive Sensing of Congested Spectrum Bands. IEEE Transactions on Information Theory, 2012, 58, 6110-6125.	2.4	19
143	Sequential Joint Detection and Estimation: Optimum Tests and Applications. IEEE Transactions on Signal Processing, 2016, 64, 5311-5326.	5.3	19
144	Coordinated Multicell Multicast Beamforming Based on Manifold Optimization. IEEE Communications Letters, 2017, 21, 1673-1676.	4.1	19

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145	Sub-Nyquist Sampling of Multiple Sinusoids. IEEE Signal Processing Letters, 2018, 25, 581-585.	3.6	19
146	Enhanced MPPT method based on ANN-assisted sequential Monte Carlo and quickest change detection. IET Smart Grid, 2019, 2, 635-644.	2.2	19
147	Partially Coherent Compressive Phase Retrieval for Millimeter-Wave Massive MIMO Channel Estimation. IEEE Transactions on Signal Processing, 2020, 68, 1673-1687.	5.3	19
148	Wireless Power Transfer Empowered by Reconfigurable Intelligent Surfaces. IEEE Systems Journal, 2021, 15, 2121-2124.	4.6	19
149	Design of Anti-Jamming Coding for Cognitive Radio. , 2007, , .		18
150	Wireless Information and Energy Transfer in Fading Relay Channels. IEEE Journal on Selected Areas in Communications, 2016, 34, 3632-3645.	14.0	18
151	Decentralized feedback control for wireless sensor and actuator networks with multiple controllers. International Journal of Machine Learning and Cybernetics, 2017, 8, 1471-1483.	3.6	18
152	Energy Allocation and Utilization for Wirelessly Powered IoT Networks. IEEE Internet of Things Journal, 2018, 5, 2781-2792.	8.7	18
153	Machine Learning-Assisted Wireless Power Transfer Based on Magnetic Resonance. IEEE Access, 2019, 7, 109454-109459.	4.2	18
154	OFDM and its application to 4G. , 0, , .		17
155	A low-rate code-spread and chip-interleaved time-hopping UWB system. IEEE Journal on Selected Areas in Communications, 2006, 24, 864-870.	14.0	17
156	Sequential Decentralized Parameter Estimation Under Randomly Observed Fisher Information. IEEE Transactions on Information Theory, 2014, 60, 1281-1300.	2.4	17
157	Joint Energy-Bandwidth Allocation in Multiple Broadcast Channels With Energy Harvesting. IEEE Transactions on Communications, 2015, 63, 3842-3855.	7.8	17
158	Beam-Domain Channel Estimation for FDD Massive MIMO Systems With Optimal Thresholds. IEEE Transactions on Wireless Communications, 2017, 16, 4669-4682.	9.2	17
159	Lattice-reduction-aided receivers for MIMO-OFDM in spatial multiplexing systems. , 0, , .		16
160	Polyphase codes for uplink OFDM-CDMA systems. IEEE Transactions on Communications, 2008, 56, 435-444.	7.8	16
161	Adaptive subchannel allocation in multiuser MC-CDMA systems. , 0, , .		15
162	On the optimum design of space-time linear-dispersion codes. IEEE Transactions on Wireless Communications, 2005, 4, 2928-2938.	9.2	15

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163	Minimum Error-Rate Linear Dispersion Codes for Cooperative Relays. IEEE Transactions on Vehicular Technology, 2007, 56, 2143-2157.	6.3	15
164	Adaptive Mode- and Diversity-Control for Video Transmission on MIMO Wireless Channels. IEEE Transactions on Signal Processing, 2009, 57, 3624-3637.	5.3	15
165	Space-Time Coding for MIMO Radar Detection and Ranging. IEEE Transactions on Signal Processing, 2010, 58, 6195-6206.	5.3	15
166	An Efficient Pilot Design Method for OFDM-Based Cognitive Radio Systems. IEEE Transactions on Wireless Communications, 2011, 10, 1252-1259.	9.2	15
167	Reverse engineering gene regulatory networks from measurement with missing values. Eurasip Journal on Bioinformatics and Systems Biology, 2016, 2017, 2.	1.4	15
168	Optimal Energy-Bandwidth Allocation for Energy-Harvesting Networks in Multiuser Fading Channels. IEEE Journal on Selected Areas in Communications, 2016, 34, 1565-1577.	14.0	15
169	Transmission With Energy Harvesting Nodes in Frequency-Selective Fading Channels. IEEE Transactions on Wireless Communications, 2016, 15, 1642-1656.	9.2	15
170	On the Optimization Model for Multi-Hop Information Transmission and Energy Transfer in TDMA-Based Wireless Sensor Networks. IEEE Communications Letters, 2017, 21, 1095-1098.	4.1	15
171	Improved Serial Scheduling-Based Detection for Sparse Code Multiple Access Systems. IEEE Wireless Communications Letters, 2017, 6, 570-573.	5.0	15
172	Round-Trip Energy Efficiency of Wireless Energy Powered Massive MIMO System With Latency Constraint. IEEE Communications Letters, 2017, 21, 12-15.	4.1	15
173	On Deterministic Sampling Patterns for Robust Low-Rank Matrix Completion. IEEE Signal Processing Letters, 2018, 25, 343-347.	3.6	15
174	On Full-Duplex Relaying for Optical Wireless Scattering Communication With On-off Keying Modulation. IEEE Transactions on Wireless Communications, 2018, 17, 2525-2538.	9.2	15
175	Fully Distributed Sequential Hypothesis Testing: Algorithms and Asymptotic Analyses. IEEE Transactions on Information Theory, 2018, 64, 2742-2758.	2.4	15
176	ADMM-Net for Communication Interference Removal in Stepped-Frequency Radar. IEEE Transactions on Signal Processing, 2021, 69, 2818-2832.	5.3	15
177	Interference suppression and diversity exploitation for multiantenna CDMA with ultra-low complexity receivers. IEEE Transactions on Signal Processing, 2005, 53, 3226-3237.	5.3	14
178	Multiuser diversity gain in cognitive networks with distributed spectrum access. , 2009, , .		14
179	On the Effects of LOS Path and Opportunistic Scheduling in Energy Harvesting Relay Systems. IEEE Transactions on Wireless Communications, 2016, 15, 8506-8524.	9.2	14
180	Wavelet-Based Sequential Monte Carlo Blind Receivers in Fading Channels With Unknown Channel Statistics. IEEE Transactions on Signal Processing, 2004, 52, 227-239.	5.3	13

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181	Optimization of LDPC-coded turbo CDMA systems. IEEE Transactions on Signal Processing, 2005, 53, 1500-1510.	5.3	13
182	Message-Wise Unequal Error Protection Based on Low-Density Parity-Check Codes. IEEE Transactions on Communications, 2011, 59, 1019-1030.	7.8	13
183	On Partial Downloading for Wireless Distributed Storage Networks. IEEE Transactions on Signal Processing, 2012, 60, 3278-3288.	5.3	13
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