

# Xiaodong Wang

## List of Publications by Year in descending order

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415  
papers

9,617  
citations

31949

53  
h-index

62565

80  
g-index

417  
all docs

417  
docs citations

417  
times ranked

7178  
citing authors

#	ARTICLE	IF	CITATIONS
1	Storage and Communication Tradeoff for Wireless Coded Blockchains. IEEE Systems Journal, 2022, 16, 2911-2922.	2.9	3
2	Channel Estimation Using Deep Learning on an FPGA for 5G Millimeter-Wave Communication Systems. IEEE Transactions on Circuits and Systems I: Regular Papers, 2022, 69, 908-918.	3.5	3
3	Hardware-Efficient Beamspace Direction-of-Arrival Estimator for Unequal-Sized Subarrays. IEEE Transactions on Circuits and Systems II: Express Briefs, 2022, 69, 1044-1048.	2.2	4
4	Unsourced Multiple Access Based on Sparse Tanner Graphs Efficient Decoding, Analysis, and Optimization. IEEE Journal on Selected Areas in Communications, 2022, 40, 1509-1521.	9.7	8
5	MIMO OFDM Dual-Function Radar-Communication Under Error Rate and Beam pattern Constraints. IEEE Journal on Selected Areas in Communications, 2022, 40, 1951-1964.	9.7	22
6	Beamforming Design for Reconfigurable Intelligent Surface via Bayesian Optimization. IEEE Communications Letters, 2022, 26, 1608-1612.	2.5	0
7	Model-Based Deep Learning for Joint Activity Detection and Channel Estimation in Massive and Sporadic Connectivity. IEEE Transactions on Wireless Communications, 2022, 21, 9806-9817.	6.1	5
8	Generation and Beam Steering of Arbitrary-Order OAM With Time-Modulated Circular Arrays. IEEE Systems Journal, 2021, 15, 5313-5320.	2.9	13
9	Wireless Power Transfer Empowered by Reconfigurable Intelligent Surfaces. IEEE Systems Journal, 2021, 15, 2121-2124.	2.9	19
10	Maximum Correntropy Rauch-Tung-Striebel Smoother for Nonlinear and Non-Gaussian Systems. IEEE Transactions on Automatic Control, 2021, 66, 1270-1277.	3.6	32
11	ADMM-Net for Communication Interference Removal in Stepped-Frequency Radar. IEEE Transactions on Signal Processing, 2021, 69, 2818-2832.	3.2	15
12	Interpretable Generative Adversarial Networks With Exponential Function. IEEE Transactions on Signal Processing, 2021, 69, 3854-3867.	3.2	6
13	Sparsity-Exploiting Blind Receiver Algorithms for Unsourced Multiple Access in MIMO and Massive MIMO Channels. IEEE Transactions on Communications, 2021, 69, 8055-8067.	4.9	8
14	Radar and Communication Spectral Coexistence in Range-Dependent Interference. IEEE Transactions on Signal Processing, 2021, 69, 5891-5906.	3.2	23
15	Secure Distributed Dynamic State Estimation in Wide-Area Smart Grids. IEEE Transactions on Information Forensics and Security, 2020, 15, 800-815.	4.5	49
16	Characterization Of sampling patterns for low-rank tensor retrieval. Annals of Mathematics and Artificial Intelligence, 2020, 88, 859-886.	0.9	4
17	Partially Coherent Compressive Phase Retrieval for Millimeter-Wave Massive MIMO Channel Estimation. IEEE Transactions on Signal Processing, 2020, 68, 1673-1687.	3.2	19
18	High Performance GPU Tensor Completion With Tubal-Sampling Pattern. IEEE Transactions on Parallel and Distributed Systems, 2020, 31, 1724-1739.	4.0	8

#	ARTICLE	IF	CITATIONS
19	Characterizing intra-tumor heterogeneity from somatic mutations without copy-neutral assumption. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2020, 18, 1-1.	1.9	0
20	Quickest attack detection in smart grid based on sequential Monte Carlo filtering. IET Smart Grid, 2020, 3, 686-696.	1.5	4
21	An Online Ride-Sharing Path-Planning Strategy for Public Vehicle Systems. IEEE Transactions on Intelligent Transportation Systems, 2019, 20, 616-627.	4.7	37
22	Real-Time Detection of Hybrid and Stealthy Cyber-Attacks in Smart Grid. IEEE Transactions on Information Forensics and Security, 2019, 14, 498-513.	4.5	123
23	Machine Learning-Assisted Wireless Power Transfer Based on Magnetic Resonance. IEEE Access, 2019, 7, 109454-109459.	2.6	18
24	Fundamental conditions on the sampling pattern for union of low-rank subspaces retrieval. Annals of Mathematics and Artificial Intelligence, 2019, 87, 373-393.	0.9	3
25	Deterministic and Probabilistic Conditions for Finite Completability of Low-Tucker-Rank Tensor. IEEE Transactions on Information Theory, 2019, 65, 5380-5400.	1.5	7
26	Sequential Hypothesis Test With Online Usage-Constrained Sensor Selection. IEEE Transactions on Information Theory, 2019, 65, 4392-4410.	1.5	5
27	Feature-aided NN-JPDF Algorithm for Multiple Target Tracking. , 2019, , .		2
28	Sum Rate Maximization for Frame-Based Multigateway Satellite Systems with Feeder Link Interference. , 2019, , .		1
29	Spectrum Recovery for Clutter Removal in Penetrating Radar Imaging. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 6650-6665.	2.7	6
30	Super-Resolution mmWave Channel Estimation for Generalized Spatial Modulation Systems. IEEE Journal on Selected Topics in Signal Processing, 2019, 13, 1336-1347.	7.3	24
31	Edge Cache-Based ISP-CP Collaboration Scheme for Content Delivery Services. IEEE Access, 2019, 7, 5277-5284.	2.6	6
32	Massive MIMO Downlink for Wireless Information and Energy Transfer With Energy Harvesting Receivers. IEEE Transactions on Communications, 2019, 67, 3309-3322.	4.9	28
33	SeqClone: sequential Monte Carlo based inference of tumor subclones. BMC Bioinformatics, 2019, 20, 6.	1.2	4
34	Maximum-Likelihood Direction Finding Under Elliptical Noise Using the EM Algorithm. IEEE Communications Letters, 2019, 23, 1041-1044.	2.5	6
35	A sequential Monte Carlo algorithm for inference of subclonal structure in cancer. PLoS ONE, 2019, 14, e0211213.	1.1	2
36	On the Performance of OAM in Keyhole Channels. IEEE Wireless Communications Letters, 2019, 8, 313-316.	3.2	20

#	ARTICLE	IF	CITATIONS
37	Multicast Precoding for Multigateway Multibeam Satellite Systems With Feeder Link Interference. IEEE Transactions on Wireless Communications, 2019, 18, 1637-1650.	6.1	26
38	Low-Rank Data Completion With Very Low Sampling Rate Using Newton's Method. IEEE Transactions on Signal Processing, 2019, 67, 1849-1859.	3.2	8
39	Enhanced MPPT method based on ANN-assisted sequential Monte-Carlo and quickest change detection. IET Smart Grid, 2019, 2, 635-644.	1.5	19
40	Sequential Model-Free Anomaly Detection for Big Data Streams. , 2019, , .		4
41	Efficient File Delivery for Coded Prefetching in Shared Cache Networks With Multiple Requests Per User. IEEE Transactions on Communications, 2019, 67, 2849-2865.	4.9	12
42	Online Cyber-Attack Detection in Smart Grid: A Reinforcement Learning Approach. IEEE Transactions on Smart Grid, 2019, 10, 5174-5185.	6.2	151
43	Attack Detection in Sensor Network Target Localization Systems With Quantized Data. IEEE Transactions on Signal Processing, 2018, 66, 2070-2085.	3.2	22
44	Energy Allocation and Utilization for Wirelessly Powered IoT Networks. IEEE Internet of Things Journal, 2018, 5, 2781-2792.	5.5	18
45	Secure NOMA Based Two-Way Relay Networks Using Artificial Noise and Full Duplex. IEEE Journal on Selected Areas in Communications, 2018, 36, 1426-1440.	9.7	106
46	Low-Complexity CS-Aided MPA Detector for SCMA Systems. IEEE Communications Letters, 2018, 22, 784-787.	2.5	9
47	Distributed Quickest Detection of Cyber-Attacks in Smart Grid. IEEE Transactions on Information Forensics and Security, 2018, 13, 2015-2030.	4.5	133
48	On Deterministic Sampling Patterns for Robust Low-Rank Matrix Completion. IEEE Signal Processing Letters, 2018, 25, 343-347.	2.1	15
49	On Full-Duplex Relaying for Optical Wireless Scattering Communication With On-off Keying Modulation. IEEE Transactions on Wireless Communications, 2018, 17, 2525-2538.	6.1	15
50	LS-Decomposition for Robust Recovery of Sensory Big Data. IEEE Transactions on Big Data, 2018, 4, 542-555.	4.4	25
51	Secure Satellite-Terrestrial Transmission Over Incumbent Terrestrial Networks via Cooperative Beamforming. IEEE Journal on Selected Areas in Communications, 2018, 36, 1367-1382.	9.7	90
52	Sub-Nyquist Sampling of Multiple Sinusoids. IEEE Signal Processing Letters, 2018, 25, 581-585.	2.1	19
53	Joint Channel Estimation and Multiuser Detection for Uplink Grant-Free NOMA. IEEE Wireless Communications Letters, 2018, 7, 682-685.	3.2	81
54	Joint Design of Overlaid Communication Systems and Pulsed Radars. IEEE Transactions on Signal Processing, 2018, 66, 139-154.	3.2	127

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55	Decentralized Model-Free Wind Farm Control via Discrete Adaptive Filtering Methods. IEEE Transactions on Smart Grid, 2018, 9, 2529-2540.	6.2	28
56	Adaptive Fault Localization in Photovoltaic Systems. IEEE Transactions on Smart Grid, 2018, 9, 6752-6763.	6.2	32
57	Transceiver Design for MIMO VLC Systems With Integer-Forcing Receivers. IEEE Journal on Selected Areas in Communications, 2018, 36, 66-77.	9.7	29
58	Monte-Carlo Tree Search Aided Contextual Online Learning Approach for Wireless Caching. , 2018, , .		7
59	Semi-Blind Millimeter-Wave Channel Estimation Using Atomic Norm Minimization. IEEE Communications Letters, 2018, 22, 2535-2538.	2.5	13
60	Block-Sparsity-Based Multiuser Detection for Uplink Grant-Free NOMA. IEEE Transactions on Wireless Communications, 2018, 17, 7894-7909.	6.1	77
61	On the DoF of Two-Way $2 \times 2 \times 2$ MIMO Relay Networks. IEEE Transactions on Vehicular Technology, 2018, 67, 10554-10563.	3.9	3
62	Block-Compressed-Sensing-Based Multiuser Detection for Uplink Grant-Free NOMA Systems. , 2018, , .		7
63	Joint Multicast and Unicast Beamforming for Coded Caching. IEEE Transactions on Communications, 2018, 66, 3354-3367.	4.9	6
64	Optimal linear quadratic control for wireless sensor and actuator networks with random delays and packet dropouts. International Journal of Distributed Sensor Networks, 2018, 14, 155014771877956.	1.3	2
65	Fully Distributed Sequential Hypothesis Testing: Algorithms and Asymptotic Analyses. IEEE Transactions on Information Theory, 2018, 64, 2742-2758.	1.5	15
66	Millimeter-Wave Beamformed Full-Dimensional MIMO Channel Estimation Based on Atomic Norm Minimization. IEEE Transactions on Communications, 2018, 66, 6150-6163.	4.9	49
67	Decentralized Truncated One-Sided Sequential Detection of a Noncooperative Moving Target. IEEE Signal Processing Letters, 2018, 25, 1490-1494.	2.1	7
68	Demixing sines and spikes: Robust spectral super-resolution in the presence of outliers. Information and Inference, 2018, 7, 105-168.	0.9	30
69	Characterization of tumor heterogeneity by latent haplotypes: a sequential Monte Carlo approach. PeerJ, 2018, 6, e4838.	0.9	2
70	Optimality of Local Maximum-Likelihood Detectors in Large-Scale MIMO Channels. IEEE Transactions on Wireless Communications, 2018, , 1-1.	6.1	0
71	Decentralized feedback control for wireless sensor and actuator networks with multiple controllers. International Journal of Machine Learning and Cybernetics, 2017, 8, 1471-1483.	2.3	18
72	Weighted-Graph-Coloring-Based Pilot Decontamination for Multicell Massive MIMO Systems. IEEE Transactions on Vehicular Technology, 2017, 66, 2829-2834.	3.9	54

#	ARTICLE	IF	CITATIONS
73	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.	2.5	15
74	Super-Resolution Delay-Doppler Estimation for OFDM Passive Radar. IEEE Transactions on Signal Processing, 2017, 65, 2197-2210.	3.2	119
75	Detection of Unknown Signals Under Complex Elliptically Symmetric Distributions. IEEE Transactions on Communications, 2017, 65, 1662-1674.	4.9	4
76	Far-Field RF Wireless Power Transfer with Blind Adaptive Beamforming for Internet of Things Devices. IEEE Access, 2017, 5, 1743-1752.	2.6	91
77	Coordinated Multicell Multicast Beamforming Based on Manifold Optimization. IEEE Communications Letters, 2017, 21, 1673-1676.	2.5	19
78	Decentralized Sequential Composite Hypothesis Test Based on One-Bit Communication. IEEE Transactions on Information Theory, 2017, 63, 3405-3424.	1.5	20
79	Position-Aided Large-Scale MIMO Channel Estimation for High-Speed Railway Communication Systems. IEEE Transactions on Vehicular Technology, 2017, 66, 8964-8978.	3.9	25
80	Beam-Domain Channel Estimation for FDD Massive MIMO Systems With Optimal Thresholds. IEEE Transactions on Wireless Communications, 2017, 16, 4669-4682.	6.1	17
81	Finding Optimal Policies for Wideband Spectrum Sensing Based on Constrained POMDP Framework. IEEE Transactions on Wireless Communications, 2017, 16, 5311-5324.	6.1	4
82	Moving Target Detection Using Colocated MIMO Radar on Multiple Distributed Moving Platforms. IEEE Transactions on Signal Processing, 2017, 65, 4670-4683.	3.2	100
83	Soft Demodulation Algorithms for Generalized Spatial Modulation Using Deterministic Sequential Monte Carlo. IEEE Transactions on Wireless Communications, 2017, 16, 3953-3967.	6.1	24
84	A Cooperative SWIPT Scheme for Wirelessly Powered Sensor Networks. IEEE Transactions on Communications, 2017, 65, 2740-2752.	4.9	49
85	Multicast Beamforming Design in Multicell Networks With Successive Group Decoding. IEEE Transactions on Wireless Communications, 2017, 16, 3492-3506.	6.1	9
86	Traffic Off-Loading With Energy-Harvesting Small Cells and Coded Content Caching. IEEE Transactions on Communications, 2017, 65, 906-917.	4.9	24
87	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.	9.7	122
88	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.	9.7	48
89	Centralized Optimization for Dec-POMDPs Under the Expected Average Reward Criterion. IEEE Transactions on Automatic Control, 2017, 62, 6032-6038.	3.6	3
90	Transmission Rate Optimization of Full-Duplex Relay Systems Powered by Wireless Energy Transfer. IEEE Transactions on Wireless Communications, 2017, 16, 6438-6450.	6.1	40

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91	The DoF of Two-Way Butterfly Networks. IEEE Communications Letters, 2017, 21, 2254-2257.	2.5	1
92	Reliable Beamspace Channel Estimation for Millimeter-Wave Massive MIMO Systems with Lens Antenna Array. IEEE Transactions on Wireless Communications, 2017, 16, 6010-6021.	6.1	180
93	Improved Serial Scheduling-Based Detection for Sparse Code Multiple Access Systems. IEEE Wireless Communications Letters, 2017, 6, 570-573.	3.2	15
94	Covariance Matrix Estimation Under Degeneracy for Complex Elliptically Symmetric Distributions. IEEE Transactions on Vehicular Technology, 2017, 66, 2474-2484.	3.9	5
95	Round-Trip Energy Efficiency of Wireless Energy Powered Massive MIMO System With Latency Constraint. IEEE Communications Letters, 2017, 21, 12-15.	2.5	15
96	On the Power Leakage Problem in Beamspace MIMO Systems with Lens Antenna Array. , 2017, , .		5
97	Adaptive beamforming using Monte-Carlo algorithm for multi-antenna wireless power transfer. , 2017, , .		0
98	Uniform Transmitter Selection in Clustered D2D Networks: An Interference Modeling Analysis. , 2017, , .		1
99	Downlink Linear Precoders Based on Statistical CSI for Multicell MIMO-OFDM. Wireless Communications and Mobile Computing, 2017, 2017, 1-18.	0.8	0
100	Joint Interference Cancellation in Cache- and SIC-Enabled Networks. , 2017, , .		2
101	Bayesian estimation of scaled mutation rate under the coalescent: a sequential Monte Carlo approach. BMC Bioinformatics, 2017, 18, 541.	1.2	2
102	On the DoF of two-way relay networks with or without relay caching. IET Communications, 2017, 11, 2089-2094.	1.5	2
103	Kalman-Filtering-Based In-Motion Coarse Alignment for Odometer-Aided SINS. IEEE Transactions on Instrumentation and Measurement, 2017, 66, 3364-3377.	2.4	88
104	The folded k-spectrum kernel: A machine learning approach to detecting transcription factor binding sites with gapped nucleotide dependencies. PLoS ONE, 2017, 12, e0185570.	1.1	4
105	A sequential Monte Carlo approach to gene expression deconvolution. PLoS ONE, 2017, 12, e0186167.	1.1	13
106	Discovering Genome-Wide Tag SNPs Based on the Mutual Information of the Variants. PLoS ONE, 2016, 11, e0167994.	1.1	6
107	Position-Aided Channel Estimation for Large-Scale MIMO in High-Speed Railway Scenarios. , 2016, , .		3
108	On the Symmetric $K$ -User Interference Channels With Limited Feedback. IEEE Transactions on Information Theory, 2016, 62, 6969-6985.	1.5	5

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109	Reverse engineering gene regulatory networks from measurement with missing values. <i>Eurasip Journal on Bioinformatics and Systems Biology</i> , 2016, 2017, 2.	1.4	15
110	Transmitter-Centric Channel Estimation and Low-PAPR Precoding for Millimeter-Wave MIMO Systems. <i>IEEE Transactions on Communications</i> , 2016, 64, 2925-2938.	4.9	6
111	A Multiantenna RFID Reader With Blind Adaptive Beamforming. <i>IEEE Internet of Things Journal</i> , 2016, 3, 986-996.	5.5	26
112	A Precoding-Based Compute-and-Forward. <i>IEEE Communications Letters</i> , 2016, 20, 1080-1083.	2.5	0
113	Optimal Energy-Bandwidth Allocation for Energy-Harvesting Networks in Multiuser Fading Channels. <i>IEEE Journal on Selected Areas in Communications</i> , 2016, 34, 1565-1577.	9.7	15
114	Distributed Energy Efficient Cross-layer Optimization for Multihop MIMO Cognitive Radio Networks with Primary User Rate Protection. <i>IEEE Transactions on Vehicular Technology</i> , 2016, , 1-1.	3.9	2
115	Stochastic optimal linear control of wireless networked control systems with delays and packet losses. <i>IET Control Theory and Applications</i> , 2016, 10, 742-751.	1.2	32
116	Energy harvesting relay systems in mixed Rician and Rayleigh fading: The effects of LOS path component. , 2016, , .		4
117	On Optimality of Local Maximum-Likelihood Detectors in Large-Scale MIMO Channels. <i>IEEE Transactions on Wireless Communications</i> , 2016, 15, 7074-7088.	6.1	3
118	High-Accuracy Compressed Sensing Decoder Based on Adaptive $\ell_0/\ell_1$ Complex Approximate Message Passing: Cross-layer Design. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2016, 63, 1726-1736.	3.5	13
119	Robust Cooperative Wi-Fi Fingerprint-Based Indoor Localization. <i>IEEE Internet of Things Journal</i> , 2016, 3, 1406-1417.	5.5	67
120	Wireless Information and Energy Transfer in Fading Relay Channels. <i>IEEE Journal on Selected Areas in Communications</i> , 2016, 34, 3632-3645.	9.7	18
121	Quickest Fault Detection in Photovoltaic Systems. <i>IEEE Transactions on Smart Grid</i> , 2016, , 1-1.	6.2	43
122	On the Effects of LOS Path and Opportunistic Scheduling in Energy Harvesting Relay Systems. <i>IEEE Transactions on Wireless Communications</i> , 2016, 15, 8506-8524.	6.1	14
123	Sequential Joint Detection and Estimation: Optimum Tests and Applications. <i>IEEE Transactions on Signal Processing</i> , 2016, 64, 5311-5326.	3.2	19
124	Adaptive Sampling of RF Fingerprints for Fine-Grained Indoor Localization. <i>IEEE Transactions on Mobile Computing</i> , 2016, 15, 2411-2423.	3.9	70
125	Optimal Joint Detection and Estimation Based on Decision-Dependent Bayesian Cost. <i>IEEE Transactions on Signal Processing</i> , 2016, 64, 2573-2586.	3.2	23
126	Downlink Hybrid Information and Energy Transfer With Massive MIMO. <i>IEEE Transactions on Wireless Communications</i> , 2016, 15, 1309-1322.	6.1	68



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127	Transmission With Energy Harvesting Nodes in Frequency-Selective Fading Channels. IEEE Transactions on Wireless Communications, 2016, 15, 1642-1656.	6.1	15
128	Cooperative Change Detection for Voltage Quality Monitoring in Smart Grids. IEEE Transactions on Information Forensics and Security, 2016, 11, 86-99.	4.5	28
129	Semi-Blind Pilot Decontamination for Massive MIMO Systems. IEEE Transactions on Wireless Communications, 2016, 15, 525-536.	6.1	101
130	Distributed Point-Based Gaussian Approximation Filtering for Forecasting-Aided State Estimation in Power Systems. IEEE Transactions on Power Systems, 2016, 31, 2597-2608.	4.6	31
131	Real-time guaranteed TDD protocol processing for centralized super base station architecture. , 2015, , .		1
132	Energy Optimization of Air-Based Information Network with Guaranteed Security Protection. , 2015, , .		2
133	Transmission rate performance of symmetric two-way full-duplex links at large antenna-array limit. , 2015, , .		0
134	Joint composite detection and Bayesian estimation: A Neyman-Pearson approach. , 2015, , .		2
135	Reconstruction of novel transcription factor regulons through inference of their binding sites. BMC Bioinformatics, 2015, 16, 299.	1.2	3
136	Multi-sensor generalized sequential probability ratio test using level-triggered sampling. , 2015, , .		2
137	Computation over fading multiple access channels based on free deconvolution. IET Wireless Sensor Systems, 2015, 5, 283-289.	1.3	1
138	Optimization for Communication Energy Efficiency of Air-Based Information Network While Satisfying Timing Constraints. , 2015, , .		3
139	Energy-bandwidth allocation in multiple orthogonal broadcast channels with energy harvesting. , 2015, , .		2
140	Dynamic State Estimation and Anomaly Detection in Smart Grid Using Point-Based Gaussian Approximation Filtering. , 2015, , .		0
141	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.	3.9	22
142	Optimal state feedback control for wireless networked control systems with decentralised controllers. IET Control Theory and Applications, 2015, 9, 852-862.	1.2	23
143	On the Capacity Regions of Two-Way Diamond Channels. IEEE Transactions on Information Theory, 2015, 61, 6060-6090.	1.5	7
144	Joint Energy-Bandwidth Allocation in Multiple Broadcast Channels With Energy Harvesting. IEEE Transactions on Communications, 2015, 63, 3842-3855.	4.9	17

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145	Energy efficient incentive resource allocation in D2D cooperative communications. , 2015, , .		25
146	Energy-subchannel allocation for energy harvesting nodes in frequency-selective channels. , 2015, , .		2
147	Spectrum Efficiency Analysis and Adaptive Transceiver Design for Single-Carrier Multiuser Transmission. IEEE Transactions on Vehicular Technology, 2015, 64, 3566-3577.	3.9	4
148	A load fairness aware cell association for centralized heterogeneous networks. , 2015, , .		8
149	On the Capacity of Energy Harvesting Communication Link. IEEE Journal on Selected Areas in Communications, 2015, 33, 2671-2686.	9.7	7
150	Cooperative Control of Power System Load and Frequency by Using Differential Games. IEEE Transactions on Control Systems Technology, 2015, 23, 882-897.	3.2	63
151	An overview on intercell interference management in mobile cellular networks: From 2G to 5G. , 2014, , .		36
152	A Spectral Clustering Approach to Identifying Cuts in Wireless Sensor Networks. IEEE Sensors Journal, 2014, , 1-1.	2.4	10
153	Sequential Joint Spectrum Sensing and Channel Estimation for Dynamic Spectrum Access. IEEE Journal on Selected Areas in Communications, 2014, 32, 2000-2012.	9.7	26
154	Optimal energy-bandwidth allocation for energy harvesting interference networks. , 2014, , .		6
155	Power spectral density of pulse train over random time scaling. IET Signal Processing, 2014, 8, 601-605.	0.9	2
156	Joint Data and Energy Transmission in a Two-Hop Network With Multiple Relays. IEEE Communications Letters, 2014, 18, 2015-2018.	2.5	12
157	Distributed robust optimization (DRO), part I: framework and example. Optimization and Engineering, 2014, 15, 35-67.	1.3	20
158	Sequential Decentralized Parameter Estimation Under Randomly Observed Fisher Information. IEEE Transactions on Information Theory, 2014, 60, 1281-1300.	1.5	17
159	Resource Allocation in OFDMA Networks With Imperfect Channel State Information. IEEE Communications Letters, 2014, 18, 1611-1614.	2.5	20
160	Massive MIMO Multicasting in Noncooperative Cellular Networks. IEEE Journal on Selected Areas in Communications, 2014, 32, 1180-1193.	9.7	120
161	Regularized EM algorithm for sparse parameter estimation in nonlinear dynamic systems with application to gene regulatory network inference. Eurasip Journal on Bioinformatics and Systems Biology, 2014, 2014, 5.	1.4	4
162	Gene regulatory network inference by point-based Gaussian approximation filters incorporating the prior information. Eurasip Journal on Bioinformatics and Systems Biology, 2013, 2013, 16.	1.4	5

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163	Renewable energy scheduling for fading channels with maximum power constraint. , 2013, , .		7
164	Coordinated Multicast Beamforming in Multicell Networks. IEEE Transactions on Wireless Communications, 2013, 12, 12-21.	6.1	133
165	Scalable Video Broadcast Over Downlink MIMO“OFDM Systems. IEEE Transactions on Circuits and Systems for Video Technology, 2013, 23, 212-223.	5.6	25
166	Degrees of Freedom for MIMO Two-Way X Relay Channel. IEEE Transactions on Signal Processing, 2013, 61, 1711-1720.	3.2	33
167	Large“scale multiple“input“multiple“output transceiver system. IET Communications, 2013, 7, 471-479.	1.5	5
168	An efficient beamforming scheme for generalized MIMO two-way X relay channels. , 2013, , .		5
169	Generalized degrees of freedom region for MIMO interference channel with feedback. , 2013, , .		0
170	Asymptotically optimal and bandwidth-efficient decentralized detection. , 2013, , .		0
171	Optimal sequential parameter estimation. , 2013, , .		0
172	Reconstruction of novel transcription factor regulons through inference of their binding sites. , 2013, , .		0
173	SINR-constrained power minimization in MISO interference channel with imperfect CSI: A Bernstein Approximation approach. , 2013, , .		1
174	Group decoding for interference channels. , 2012, , .		0
175	Maximum-Parsimony Haplotype Inference Based on Sparse Representations of Genotypes. IEEE Transactions on Signal Processing, 2012, 60, 2013-2023.	3.2	6
176	Gene deletion data based genomic regulatory network inference. , 2012, , .		0
177	Underwater acoustic channel estimation via complex Homotopy. , 2012, , .		5
178	Sequential decentralized detection under noisy channels. , 2012, , .		1
179	A non-parametric Bayesian clustering for gene expression data. , 2012, , .		0
180	A robust MDP approach to secure power control in cognitive radio networks. , 2012, , .		5

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181	Aligned precoder designs for interference channels based on chordal distance. , 2012, , .		0
182	An Efficient Retransmission Strategy for Wireless Scalable Video Multicast. IEEE Wireless Communications Letters, 2012, 1, 581-584.	3.2	5
183	Privacy constrained energy management in microgrid systems. , 2012, , .		0
184	Uplink Interference Mitigation for OFDMA Femtocell Networks. IEEE Transactions on Wireless Communications, 2012, 11, 614-625.	6.1	108
185	Group Decoding for Multi-Relay Assisted Interference Channels. IEEE Journal on Selected Areas in Communications, 2012, 30, 1489-1499.	9.7	11
186	On Partial Downloading for Wireless Distributed Storage Networks. IEEE Transactions on Signal Processing, 2012, 60, 3278-3288.	3.2	13
187	Adaptive Sensing of Congested Spectrum Bands. IEEE Transactions on Information Theory, 2012, 58, 6110-6125.	1.5	19
188	Adaptive Multiband Spectrum Sensing. IEEE Wireless Communications Letters, 2012, 1, 121-124.	3.2	20
189	Communication of Energy Harvesting Tags. IEEE Transactions on Communications, 2012, 60, 1159-1166.	4.9	28
190	Joint Detection and Estimation: Optimum Tests and Applications. IEEE Transactions on Information Theory, 2012, 58, 4215-4229.	1.5	122
191	$(n, K)$ -User Interference Channels: Degrees of Freedom. IEEE Transactions on Information Theory, 2012, 58, 5338-5353.	1.5	9
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