Zhi Ding

List of Publications by Year
in descending order

409 papers	9,330 citations	61687 45 h-index	78623 77 g-index
413 all docs	413 docs citations	413 times ranked	7099 citing authors

#	Article	IF	Citations
1	A Markovian Model-Driven Deep Learning Framework for Massive MIMO CSI Feedback. IEEE Transactions on Wireless Communications, 2022, 21, 1214-1228.	6.1	17
2	Hash Access in Blockchain Radio Access Networks: Characterization and Optimization. IEEE Internet of Things Journal, 2022, 9, 8053-8066.	5.5	4
3	QoE Driven VR 360Â° Video Massive MIMO Transmission. IEEE Transactions on Wireless Communications, 2022, 21, 18-33.	6.1	16
4	Robust Precoding for 3D Massive MIMO Configuration With Matrix Manifold Optimization. IEEE Transactions on Wireless Communications, 2022, 21, 3423-3437.	6.1	10
5	An Efficient Hypergraph Approach to Robust Point Cloud Resampling. IEEE Transactions on Image Processing, 2022, 31, 1924-1937.	6.0	8
6	Optimization of Workload Balancing and Power Allocation for Wireless Distributed Computing. IEEE Transactions on Wireless Communications, 2022, 21, 7682-7695.	6.1	0
7	A Riemannian Geometric Approach to Blind Signal Recovery for Grant-Free Radio Network Access. IEEE Transactions on Signal Processing, 2022, 70, 1734-1748.	3.2	5
8	Robust Precoding for 3D Massive MIMO with Riemannian Manifold Optimization. , 2022, , .		0
9	Random Interleaving Pattern Identification From Interleaved Reed-Solomon Code Symbols. IEEE Transactions on Communications, 2022, 70, 5059-5070.	4.9	2
10	End-to-End Image Classification and Compression With Variational Autoencoders. IEEE Internet of Things Journal, 2022, 9, 21916-21931.	5.5	7
11	Analysis of Pooling Principle in Blockchain Radio Access Network. , 2022, , .		1
12	Iterative Algorithm Induced Deep-Unfolding Neural Networks: Precoding Design for Multiuser MIMO Systems. IEEE Transactions on Wireless Communications, 2021, 20, 1394-1410.	6.1	91
13	Hypergraph Spectral Analysis and Processing in 3D Point Cloud. IEEE Transactions on Image Processing, 2021, 30, 1193-1206.	6.0	19
14	Data Broker: Dynamic Multi-Hop Routing Protocol in Blockchain Radio Access Network. IEEE Communications Letters, 2021, 25, 4000-4004.	2.5	7
15	Wirtinger Flow Meets Constant Modulus Algorithm: Revisiting Signal Recovery for Grant-Free Access. IEEE Transactions on Signal Processing, 2021, 69, 6515-6529.	3.2	5
16	Fiber-Enabled Optical Wireless Communications With Full Beam Coverage. IEEE Transactions on Communications, 2021, 69, 3207-3221.	4.9	6
17	OTFS Signaling for Uplink NOMA of Heterogeneous Mobility Users. IEEE Transactions on Communications, 2021, 69, 3147-3161.	4.9	31
18	Receiver Design for OTFS with a Fractionally Spaced Sampling Approach. IEEE Transactions on Wireless Communications, 2021, 20, 4072-4086.	6.1	50

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19	Joint Deep Reinforcement Learning and Unfolding: Beam Selection and Precoding for mmWave Multiuser MIMO With Lens Arrays. IEEE Journal on Selected Areas in Communications, 2021, 39, 2289-2304.	9.7	31
20	Deep Learning Phase Compression for MIMO CSI Feedback by Exploiting FDD Channel Reciprocity. IEEE Wireless Communications Letters, 2021, 10, 2200-2204.	3.2	5
21	Point Cloud Resampling via Hypergraph Signal Processing. IEEE Signal Processing Letters, 2021, 28, 2117-2121.	2.1	5
22	Deep Learning for Partial MIMO CSI Feedback by Exploiting Channel Temporal Correlation. , 2021, , .		1
23	Resource Management in LTE-U Systems: Past, Present, and Future. IEEE Open Journal of Vehicular Technology, 2020, 1, 1-17.	3.4	14
24	Federated Learning via Over-the-Air Computation. IEEE Transactions on Wireless Communications, 2020, 19, 2022-2035.	6.1	550
25	Joint Detection and Decoding of Polar Coded 5G Control Channels. IEEE Transactions on Wireless Communications, 2020, 19, 2066-2078.	6.1	23
26	Satellite-Aided Consensus Protocol for Scalable Blockchains. Sensors, 2020, 20, 5616.	2.1	11
27	Hypergraph-Based Image Processing. , 2020, , .		6
28	Spherical Normalization for Learned Compressive Feedback in Massive MIMO CSI Acquisition. , 2020, , .		10
29	Accommodating LAA Within IEEE 802.11ax WiFi Networks for Enhanced Coexistence. IEEE Transactions on Wireless Communications, 2020, 19, 7621-7636.	6.1	7
30	Blockchain Radio Access Network Beyond 5G. IEEE Wireless Communications, 2020, 27, 160-168.	6.6	31
31	Overcoming the Channel Estimation Barrier in Massive MIMO Communication via Deep Learning. IEEE Wireless Communications, 2020, 27, 104-111.	6.6	12
32	Low-Overhead Joint Beam-Selection and Random-Access Schemes for Massive Internet-of-Things with Non-Uniform Channel and Load. , 2020, , .		1
33	Hypergraph Spectral Clustering for Point Cloud Segmentation. IEEE Signal Processing Letters, 2020, 27, 1655-1659.	2.1	13
34	Target Localization With Jammer Removal Using Frequency Diverse Array. IEEE Transactions on Vehicular Technology, 2020, 69, 11685-11696.	3.9	38
35	Practical Modeling and Analysis of Blockchain Radio Access Network. IEEE Transactions on Communications, 2020, , 1-1.	4.9	27
36	Hash Access: Trustworthy Grant-Free IoT Access Enabled by Blockchain Radio Access Networks. IEEE Network, 2020, 34, 54-61.	4.9	25

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37	Networked Optical Massive MIMO Communications. IEEE Transactions on Wireless Communications, 2020, 19, 5575-5588.	6.1	5
38	Improving Deep Learning Classification of JPEG2000 Images Over Bandlimited Networks. , 2020, , .		6
39	An Efficient Deep Learning Framework for Low Rate Massive MIMO CSI Reporting. IEEE Transactions on Communications, 2020, 68, 4761-4772.	4.9	39
40	Joint PSK Data Detection and Channel Estimation Under Frequency Selective Sparse Multipath Channels. IEEE Transactions on Communications, 2020, 68, 2726-2739.	4.9	5
41	Optimal Linear Cooperation for Signal Classification in Cognitive Communication Networks. IEEE Transactions on Wireless Communications, 2020, 19, 3144-3155.	6.1	1
42	Introducing Hypergraph Signal Processing: Theoretical Foundation and Practical Applications. IEEE Internet of Things Journal, 2020, 7, 639-660.	5.5	41
43	Blind Over-the-Air Computation and Data Fusion via Provable Wirtinger Flow. IEEE Transactions on Signal Processing, 2020, 68, 1136-1151.	3.2	41
44	Energy-Efficient Processing and Robust Wireless Cooperative Transmission for Edge Inference. IEEE Internet of Things Journal, 2020, 7, 9456-9470.	5.5	27
45	Point Cloud Segmentation based on Hypergraph Spectral Clustering. , 2020, , .		1
46	On Non-Intrusive Coexistence of eLAA and Legacy WiFi Networks. , 2019, , .		2
47	Sparse Blind Demixing for Low-latency Signal Recovery in Massive Iot Connectivity. , 2019, , .		4
48	Enhanced Receiver Based on FEC Code Constraints for Uplink NOMA With Imperfect CSI. IEEE Transactions on Wireless Communications, 2019, 18, 4790-4802.	6.1	9
49	Prototype Design and Test of Blockchain Radio Access Network. , 2019, , .		22
50	Federated Learning Based on Over-the-Air Computation. , 2019, , .		38
51	Robust Online Social Network Inference. , 2019, , .		0
52	Quannet: Joint Image Compression and Classification Over Channels with Limited Bandwidth. , 2019, , .		13
53	Low Complexity Header Compression with Lower-Layer Awareness for Wireless Networks. , 2019, , .		3
54	PIS: Wearable Pedal Iontronic Sensing for Arterial Pulses and Muscular Activities. , 2019, , .		0

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55	A Markovian Design of Bi-Directional Robust Header Compression for Efficient Packet Delivery in Wireless Networks. IEEE Transactions on Wireless Communications, 2019, 18, 20-33.	6.1	5
56	Data Shuffling in Wireless Distributed Computing via Low-Rank Optimization. IEEE Transactions on Signal Processing, 2019, 67, 3087-3099.	3.2	26
57	A Novel Spatial CCK Modulation Design for Underwater Acoustic Communications. IEEE Transactions on Vehicular Technology, 2019, 68, 6192-6196.	3.9	3
58	Topology Inference of Unknown Networks Based on Robust Virtual Coordinate Systems. IEEE/ACM Transactions on Networking, 2019, 27, 405-418.	2.6	7
59	Engineering Radio Maps for Wireless Resource Management. IEEE Wireless Communications, 2019, 26, 133-141.	6.6	85
60	Generalized Low-Rank Optimization for Topological Cooperation in Ultra-Dense Networks. IEEE Transactions on Wireless Communications, 2019, 18, 2539-2552.	6.1	12
61	Cooperation in Cognitive Cellular Heterogeneous Networks. , 2019, , 1413-1444.		0
62	FeetBeat: A Flexible Iontronic Sensing Wearable Detects Pedal Pulses and Muscular Activities. IEEE Transactions on Biomedical Engineering, 2019, 66, 3072-3079.	2.5	29
63	Exploiting Bi-Directional Channel Reciprocity in Deep Learning for Low Rate Massive MIMO CSI Feedback. IEEE Wireless Communications Letters, 2019, 8, 889-892.	3.2	83
64	Low-Overhead Multi-Antenna-Enabled Random Access for Machine-Type Communications with Low Mobility. , 2019, , .		2
65	Access Control and Pilot Allocation for Machine-Type Communications in Crowded Massive MIMO Systems. Symmetry, 2019, 11, 1272.	1.1	1
66	Enhanced LAA for Unlicensed LTE Deployment Based on TXOP Contention. IEEE Transactions on Communications, 2019, 67, 417-429.	4.9	25
67	Blockchain Radio Access Network (B-RAN): Towards Decentralized Secure Radio Access Paradigm. IEEE Access, 2019, 7, 9714-9723.	2.6	109
68	Optical Filter Designs for Multi-Color Visible Light Communication. IEEE Transactions on Communications, 2019, 67, 2173-2187.	4.9	25
69	High Rate CCK Modulation Design for Bandwidth Efficient Link Adaptation. IEEE Wireless Communications Letters, 2019, 8, 496-499.	3.2	1
70	Beam Domain Massive MIMO for Optical Wireless Communications With Transmit Lens. IEEE Transactions on Communications, 2019, 67, 2188-2202.	4.9	25
71	Optimum sensor placement for localization of a hazardous source under log normal shadowing. Numerical Algebra, Control and Optimization, 2019, 9, 361-382.	1.0	1
72	LTE Multimedia Broadcast Multicast Service Provisioning Based on Robust Header Compression. IEEE Transactions on Wireless Communications, 2018, 17, 1161-1172.	6.1	5

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73	Efficient OFDMA for LiFi Downlink. Journal of Lightwave Technology, 2018, 36, 1928-1943.	2.7	31
74	Biased Multi-LED Beamforming for Multicarrier Visible Light Communications. IEEE Journal on Selected Areas in Communications, 2018, 36, 106-120.	9.7	21
75	Graph-Based Resource Sharing in Vehicular Communication. IEEE Transactions on Wireless Communications, 2018, 17, 4579-4592.	6.1	120
76	Cooperative coexistence and resource allocation for V2X communications in LTE-unlicensed. , 2018, , .		9
77	A Novel Waveform Optimization Scheme for Piezoelectric Sensors Wire-Free Charging in the Tightly Insulated Environment. IEEE Internet of Things Journal, 2018, 5, 1936-1946.	5.5	21
78	A Joint Detection and Decoding Receiver Design for Polar Coded MIMO Wireless Transmissions. , 2018, , .		9
79	The Design of Transport Block-Based ROHC U-Mode for LTE Multicast. , 2018, , .		1
80	Low-Rank Optimization for Data Shuffling in Wireless Distributed Computing. , 2018, , .		7
81	Joint Turbo Receiver for LDPC-Coded MIMO Systems Based on Semi-Definite Relaxation. , 2018, , .		1
82	A Markovian ROHC Control Mechanism Based on Transport Block Link Model in LTE Networks. , 2018, , .		2
83	Femtocell Scheduling as a Restless Multiarmed Bandit Problem Using Partial Channel State Observation. , 2018, , .		1
84	Wireless Resource Management in LTE-U Driven Heterogeneous V2X Communication Networks. IEEE Transactions on Vehicular Technology, 2018, 67, 7508-7522.	3.9	44
85	A Survey on MIMO Transmission With Finite Input Signals: Technical Challenges, Advances, and Future Trends. Proceedings of the IEEE, 2018, 106, 1779-1833.	16.4	42
86	Graph-Based Radio Resource Management for Vehicular Networks. , 2018, , .		22
87	mmWave Beamforming using Photonic Signal Processing for Future 5G Mobile Systems. , 2018, , .		5
88	First Demonstration of FPGA-based Hitless Flexible Receiver with Blind Modulation Format Identification. , 2018, , .		1
89	Modulation Design for MIMO-CoMP HARQ. IEEE Communications Letters, 2017, 21, 290-293.	2.5	3
90	BDMA in Multicell Massive MIMO Communications: Power Allocation Algorithms. IEEE Transactions on Signal Processing, 2017, 65, 2962-2974.	3.2	40

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91	LTE Multimedia Broadcast Multicast Service Provisioning Based on Robust Header Compression. , 2017, , .		5
92	On Efficient Packet-Switched Wireless Networking: A Markovian Approach to Trans-Layer Design and Optimization of ROHC. IEEE Transactions on Wireless Communications, 2017, 16, 4232-4245.	6.1	8
93	Spatial CCK Modulation and Iterative Detection Over Frequency-Selective Fading Channels. IEEE Wireless Communications Letters, 2017, 6, 506-509.	3.2	2
94	Joint Channel Estimation and Detection of High Rate CCK Signaling in Underwater Communications. , 2017, , .		0
95	Embedding LTE-U within Wi-Fi Bands for Spectrum Efficiency Improvement. IEEE Network, 2017, 31, 72-79.	4.9	42
96	Scheduling and Power Allocation for Hybrid Access Cognitive Femtocells. IEEE Transactions on Wireless Communications, 2017, 16, 2520-2533.	6.1	7
97	IP packet header compression and user grouping for LTE Multimedia Broadcast Multicast Services. , 2017, , .		3
98	Transport Capacity Analysis of Wireless In-Band Full Duplex Ad Hoc Networks. IEEE Transactions on Communications, 2017, 65, 1303-1318.	4.9	6
99	Energy Management and Power Allocation for Underwater Acoustic Sensor Network. IEEE Sensors Journal, 2017, 17, 6451-6462.	2.4	34
100	Constellation Design Enhancement for Color-Shift Keying Modulation of Quadrichromatic LEDs in Visible Light Communications. Journal of Lightwave Technology, 2017, 35, 3650-3663.	2.7	51
101	Joint channel estimation and detection using Markov chain Monte Carlo method over sparse underwater acoustic channels. IET Communications, 2017, 11, 1789-1796.	1.5	13
102	Biased Beamforming for Multi-LED OFDM in Visible Light Communications. , 2017, , .		1
103	On Linear Precoding of Nonregenerative MIMO Relay Networks for Finite-Alphabet Source. IEEE Transactions on Vehicular Technology, 2017, 66, 9761-9775.	3.9	6
104	Finding Link Topology of Large Scale Networks from Anchored Hop Count Reports. , 2017, , .		3
105	Generalized matrix completion for low complexity transceiver processing in cache-aided Fog-RAN via the Burer-Monteiro approach. , 2017, , .		1
106	Low Complexity Node Clustering in Cloud-RAN for Service Provisioning and Resource Allocation. , 2017, , .		0
107	Cooperation in Cognitive Cellular Heterogeneous Networks. , 2017, , 1-32.		0
108	Power imbalance induced BER performance loss under limited-feedback CoMP techniques. Eurasip Journal on Wireless Communications and Networking, 2016, 2016, .	1.5	0

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109	PAPR analysis for OFDM visible light communication. Optics Express, 2016, 24, 27457.	1.7	68
110	Robust receiver design based on FEC code diversity in pilot-contaminated multi-user massive MIMO systems. , 2016, , .		9
111	Low-Rank Matrix Completion for Mobile Edge Caching in Fog-RAN via Riemannian Optimization. , 2016, , .		7
112	FEC Code Anchored Robust Design of Massive MIMO Receivers. IEEE Transactions on Wireless Communications, 2016, 15, 8223-8235.	6.1	13
113	A Convex Relaxation Approach to Higher-Order Statistical Approaches to Signal Recovery. IEEE Transactions on Vehicular Technology, 2016, , 1-1.	3.9	5
114	Monotonic optimization for power control of D2D underlay with partial CSI. , 2016, , .		5
115	Exploiting Multi-Antenna Non-Reciprocal Channels for Shared Secret Key Generation. IEEE Transactions on Information Forensics and Security, 2016, 11, 2693-2705.	4.5	26
116	Optimal linear cooperation for signal classification. , 2016, , .		4
117	Optimizing Unlicensed Spectrum Sharing for LTE-U and WiFi Network Coexistence. IEEE Journal on Selected Areas in Communications, 2016, 34, 2562-2574.	9.7	67
118	Joint power and rate optimization for co-channel small cells using Frank-Wolfe algorithm. , 2016, , .		2
119	A low-rank approach for interference management in dense wireless networks. , 2016, , .		0
120	D2D Neighbor Discovery and Resource Scheduling through Demodulation Reference Signal. , 2016, , .		7
121	On the Sum Rate of Fair Resource Allocation With Selective Feedback. IEEE Transactions on Wireless Communications, 2016, 15, 5193-5205.	6.1	3
122	Diversity Integration in Hybrid-ARQ With Chase Combining Under Partial CSI. IEEE Transactions on Communications, 2016, 64, 2647-2659.	4.9	14
123	Modulation Design for Two-Way Amplify-and-Forward Relay HARQ. IEEE Wireless Communications Letters, 2016, 5, 244-247.	3.2	5
124	Mixed Mode Transmission and Resource Allocation for D2D Communication. IEEE Transactions on Wireless Communications, 2016, 15, 162-175.	6.1	75
125	Offset and Power Optimization for DCO-OFDM in Visible Light Communication Systems. IEEE Transactions on Signal Processing, 2016, 64, 349-363.	3.2	72
126	Femtocell Power Control for Interference Management Based on Macrolayer Feedback. IEEE Transactions on Vehicular Technology, 2016, 65, 5222-5236.	3.9	14

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127	Cognitive Femtocell Scheduling and Power Allocation Based on Channel Quality Report. , 2015, , .		2
128	Joint Offset and Power Optimization for Visible Light DCO-OFDM Systems. , 2015, , .		1
129	Joint Detection and Decoding in LDPC-Based Space-Time Coded MIMO-OFDM Systems via Linear Programming. IEEE Transactions on Signal Processing, 2015, 63, 3411-3424.	3.2	21
130	On Transport Capacity of Full Duplex Ad Hoc Networks. , 2015, , .		1
131	Wavelet transform processing for cellular traffic prediction in machine learning networks. , 2015, , .		35
132	Resource allocation in mixed mode Device-to-Device communications. , 2015, , .		1
133	Cooperative Multi-Cell MIMO Downlink Precoding With Finite-Alphabet Inputs. IEEE Transactions on Communications, 2015, 63, 766-779.	4.9	18
134	Adaptive Resource Allocation for Interference Management in Small Cell Networks. IEEE Transactions on Communications, 2015, 63, 2107-2125.	4.9	52
135	Beam Division Multiple Access Transmission for Massive MIMO Communications. IEEE Transactions on Communications, 2015, 63, 2170-2184.	4.9	315
136	Resource Allocation and Inter-Cell Interference Management for Dual-Access Small Cells. IEEE Journal on Selected Areas in Communications, 2015, 33, 1082-1096.	9.7	67
137	Diversity combining in wireless relay networks with partial channel state information. , 2015, , .		6
138	Downlink Scheduling and Power Allocation in Cognitive Femtocell Networks. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2015, , 92-105.	0.2	5
139	On Performance Loss of Some CoMP Techniques Under Channel Power Imbalance and Limited Feedback. IEEE Transactions on Wireless Communications, 2015, 14, 4469-4481.	6.1	7
140	Distributed Power Control in a Two-Tier Heterogeneous Network. IEEE Transactions on Wireless Communications, 2015, 14, 6509-6523.	6.1	30
141	Wireless communications in the era of big data. , 2015, 53, 190-199.		205
142	Higher Rank Interference Effect on Weak Beamforming or OSTBC Terminals. IEEE Transactions on Wireless Communications, 2015, 14, 4948-4957.	6.1	1
143	Beam division multiple access for massive MIMO downlink transmission. , 2015, , .		5
144	Power Control and Resource Allocation for Outage Balancing in Femtocell Networks. IEEE Transactions on Wireless Communications, 2015, 14, 2043-2057.	6.1	23

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145	An exploratory study of stress wave communication in concrete structures. Smart Structures and Systems, 2015, 15, 135-150.	1.9	45
146	Bandwidth Efficient Variable Rate HARQ Under Orthogonal Space-Time Block Codes. IEEE Transactions on Signal Processing, 2014, 62, 3360-3370.	3.2	12
147	Stress wave communication in concrete: I. Characterization of a smart aggregate based concrete channel. Smart Materials and Structures, 2014, 23, 125030.	1.8	46
148	Stress wave communication in concrete: II. Evaluation of low voltage concrete stress wave communications utilizing spectrally efficient modulation schemes with PZT transducers. Smart Materials and Structures, 2014, 23, 125031.	1.8	25
149	A Resource Allocation Scheme for Heterogeneous Networks Using Dynamic Programming Approach. , 2014, , .		2
150	Power control and rate allocation for outage balancing in femtocell networks. , 2014, , .		3
151	CMOS Compatible Reconfigurable Silicon Photonic Lattice Filters Using Cascaded Unit Cells for RF-Photonic Processing. IEEE Journal of Selected Topics in Quantum Electronics, 2014, 20, 359-368.	1.9	29
152	On Forward Channel Estimation for MIMO Precoding in Cooperative Relay Wireless Transmission Systems. IEEE Transactions on Signal Processing, 2014, 62, 1265-1278.	3.2	12
153	Cooperative Self-Navigation in a Mixed LOS and NLOS Environment. IEEE Transactions on Mobile Computing, 2014, 13, 350-363.	3.9	23
154	Guest Editorial Spectrum and Energy Efficient Design of Wireless Communication Networks: Part II. IEEE Journal on Selected Areas in Communications, 2014, 32, 193-196.	9.7	2
155	Dynamic MIMO Precoding for Femtocell Interference Mitigation. IEEE Transactions on Communications, 2014, 62, 648-666.	4.9	13
156	Joint detection and decoding of LDPC coded distributed space-time signaling in wireless relay networks via linear programming. , 2014, , .		7
157	Cooperative multi-cell MIMO downlink precoding for finite-alphabet inputs. , 2014, , .		1
158	Macrocell-Queue-Stabilization-Based Power Control of Femtocell Networks. IEEE Transactions on Wireless Communications, 2014, 13, 5223-5236.	6.1	11
159	Enabling D2D Communications Through Neighbor Discovery in LTE Cellular Networks. IEEE Transactions on Signal Processing, 2014, 62, 5157-5170.	3.2	126
160	Multiple Source Localization in Wireless Sensor Networks Based on Time of Arrival Measurement. IEEE Transactions on Signal Processing, 2014, 62, 1938-1949.	3.2	118
161	Opportunistic interference avoidance scheduling for underlay cognitive radio networks. , 2014, , .		2
162	On Transport Capacity of Full Duplex Ad Hoc Networks. , 2014, , .		0

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163	Joint Offset and Power Optimization for Visible Light DCO-OFDM Systems. , 2014, , .		0
164	Cognitive Femtocell Scheduling and Power Allocation Based on Channel Quality Report. , 2014, , .		0
165	Joint optimization of source and relay precoding in nonâ€regenerative MIMO relay systems. Wireless Communications and Mobile Computing, 2013, 13, 1571-1585.	0.8	4
166	An Integrated Linear Programming Receiver for LDPC Coded MIMO-OFDM Signals. IEEE Transactions on Communications, 2013, 61, 2816-2827.	4.9	7
167	Distributed Control of Multiple Cognitive Radio Overlay for Primary Queue Stability. IEEE Transactions on Wireless Communications, 2013, 12, 112-122.	6.1	15
168	Piggyback Retransmissions over Wireless MIMO Channels: Shared Hybrid-ARQ (SHARQ) for Bandwidth Efficiency. IEEE Transactions on Wireless Communications, 2013, 12, 3770-3782.	6.1	7
169	A Bayesian Algorithm for Joint Symbol Timing Synchronization and Channel Estimation in Two-Way Relay Networks. IEEE Transactions on Communications, 2013, 61, 4271-4283.	4.9	14
170	Impact of Base Station Time Synchronization Mismatch on Almost Blank Subframes. IEEE Communications Letters, 2013, 17, 2092-2095.	2.5	3
171	On Efficient Utilization of Training Pilots for Linear Equalization of QAM Transmissions. IEEE Transactions on Communications, 2013, 61, 4984-4996.	4.9	4
172	A Low-Complexity Algorithm for Worst-Case Utility Maximization in Multiuser MISO Downlink. , 2013, , .		0
173	Resource Allocation in Two-Tier Heterogeneous Networks through Enhanced Shadow Chasing. IEEE Transactions on Wireless Communications, 2013, 12, 6439-6453.	6.1	8
174	Linear Precoder Design for MIMO Interference Channels with Finite-Alphabet Signaling. IEEE Transactions on Communications, 2013, 61, 3766-3780.	4.9	47
175	A Linear Programming Based Tone Injection Algorithm for PAPR Reduction of OFDM and Linearly Precoded Systems. IEEE Transactions on Circuits and Systems I: Regular Papers, 2013, 60, 1937-1945.	3.5	25
176	Target Tracking and Mobile Sensor Navigation in Wireless Sensor Networks. IEEE Transactions on Mobile Computing, 2013, 12, 177-186.	3.9	125
177	Robust {MISO Transmit} Optimization under Outage-Based QoS Constraints in Two-Tier Heterogeneous Networks. IEEE Transactions on Wireless Communications, 2013, 12, 1883-1897.	6.1	43
178	On Number of Almost Blank Subframes in Heterogeneous Cellular Networks. IEEE Transactions on Wireless Communications, 2013, 12, 5061-5073.	6.1	85
179	Outage constrained joint precoding for D2D underlay cellular networks. , 2013, , .		3
180	Time domain bi-level downlink power control for cross-tier interference mitigation in HetNet. , 2013, , .		3

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181	Inference-driven dynamic access scheme for interference management in heterogeneous networks. , 2013, , .		2
182	Cooperative MIMO precoding for D2D underlay in cellular networks. , 2013, , .		39
183	Outage constrained transmission optimization for MISO two-tier femtocell networks. , 2013, , .		0
184	Design of dual-access-technology femtocells in enterprise environments. , 2013, , .		5
185	On efficient use of pilot symbols for multi-path channel equalization of QAM signals. , 2013, , .		2
186	Adaptive small cell access of licensed and unlicensed bands. , 2013, , .		31
187	Outage Constrained Robust Transmit Beamforming for Limited Feedback Multiuser MIMO Downlinks. , 2013, , .		0
188	Guest Editorial Spectrum and Energy Efficient Design of Wireless Communication Networks: Part I. IEEE Journal on Selected Areas in Communications, 2013, 31, 825-828.	9.7	7
189	Linear precoder designs over MIMO interference channels with finite-alphabet inputs. , 2013, , .		0
190	On linear precoding of non-regenerative MIMO relays for QAM inputs. , 2012, , .		6
191	Joint transmission using global codeword and codebook design for coordinated multipoint processing (CoMP). , 2012, , .		2
192	Shadow chasing enhancement in resource allocation for heterogeneous networks. , 2012, , .		3
193	Joint Symbol Timing and Channel Estimation in Two-Way Multiple Antenna Relay Networks. , 2012, , .		1
194	Adaptive precoding for femtocell interference mitigation. , 2012, , .		7
195	Maximizing lifetime in multi-source multi-relay non-regenerative OFDM networks. , 2012, , .		4
196	Linear MIMO precoding in multi-antenna wiretap channels for finite-alphabet data. , 2012, , .		0
197	Linear precoding of finite alphabet signals in multi-antenna broadcast channels. , 2012, , .		0
198	Urban source localization based on time of arrival measurement and street information. , 2012, , .		0

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199	Optimum sensor placement for localization in three dimensional under log normal shadowing. , 2012, , .		8
200	Shadow Chasing : A Resource Allocation Scheme For Heterogeneous Networks. , 2012, , .		7
201	On TDD cross-tier in-band interference mitigation: a practical example. , 2012, , .		3
202	Noniterative Convex Optimization Methods for Network Component Analysis. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2012, 9, 1472-1481.	1.9	10
203	Linear Precoding for MIMO Broadcast Channels With Finite-Alphabet Constraints. IEEE Transactions on Wireless Communications, 2012, , 1-15.	6.1	47
204	On Secrecy Rate Analysis of MIMO Wiretap Channels Driven by Finite-Alphabet Input. IEEE Transactions on Communications, 2012, 60, 3816-3825.	4.9	55
205	Linear programming based joint detection of LDPC coded MIMO systems. , 2012, , .		3
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207	Subcarrier Nulling Algorithms for Channel Shortening in Uplink OFDMA Systems. IEEE Transactions on Signal Processing, 2012, 60, 2374-2385.	3.2	10
208	Linear Precoding for Finite-Alphabet Signaling Over MIMOME Wiretap Channels. IEEE Transactions on Vehicular Technology, 2012, 61, 2599-2612.	3.9	162
209	Optimized Power Allocation for Packet Retransmissions of Non-Gaussian Inputs Through Sequential AWGN Channels. IEEE Transactions on Communications, 2012, 60, 1889-1902.	4.9	7
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