

Zhi Ding

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

325
papers

6,129
citations

41
h-index

64
g-index

413
ext. papers

7,917
ext. citations

5.9
avg, IF

6.46
L-index

#	Paper	IF	Citations
325	Optimization of Workload Balancing and Power Allocation for Wireless Distributed Computing. <i>IEEE Transactions on Wireless Communications</i> , 2022 , 1-1	9.6	
324	A Riemannian Geometric Approach to Blind Signal Recovery for Grant Free Radio Network Access. <i>IEEE Transactions on Signal Processing</i> , 2022 , 1-1	4.8	0
323	What is Blockchain Radio Access Network?* 2021 , 1-25		0
322	Point Cloud Resampling via Hypergraph Signal Processing. <i>IEEE Signal Processing Letters</i> , 2021 , 28, 2117-2121	3.121	0
321	Robust Precoding for 3D Massive MIMO Configuration with Matrix Manifold Optimization. <i>IEEE Transactions on Wireless Communications</i> , 2021 , 1-1	9.6	3
320	Fiber-Enabled Optical Wireless Communications With Full Beam Coverage. <i>IEEE Transactions on Communications</i> , 2021 , 69, 3207-3221	6.9	3
319	OTFS Signaling for Uplink NOMA of Heterogeneous Mobility Users. <i>IEEE Transactions on Communications</i> , 2021 , 69, 3147-3161	6.9	9
318	. <i>IEEE Transactions on Wireless Communications</i> , 2021 , 20, 1394-1410	9.6	34
317	Hypergraph Spectral Analysis and Processing in 3D Point Cloud. <i>IEEE Transactions on Image Processing</i> , 2021 , 30, 1193-1206	8.7	6
316	A Markovian Model-Driven Deep Learning Framework for Massive MIMO CSI Feedback. <i>IEEE Transactions on Wireless Communications</i> , 2021 , 1-1	9.6	6
315	Hash Access in Blockchain Radio Access Networks: Characterization and Optimization. <i>IEEE Internet of Things Journal</i> , 2021 , 1-1	10.7	1
314	. <i>IEEE Communications Letters</i> , 2021 , 1-1	3.8	0
313	QoE Driven VR 360° Video Massive MIMO Transmission. <i>IEEE Transactions on Wireless Communications</i> , 2021 , 1-1	9.6	2
312	Wirtinger Flow Meets Constant Modulus Algorithm: Revisiting Signal Recovery for Grant-Free Access. <i>IEEE Transactions on Signal Processing</i> , 2021 , 1-1	4.8	1
311	Receiver Design for OTFS with a Fractionally Spaced Sampling Approach. <i>IEEE Transactions on Wireless Communications</i> , 2021 , 20, 4072-4086	9.6	13
310	Joint Deep Reinforcement Learning and Unfolding: Beam Selection and Precoding for mmWave Multiuser MIMO With Lens Arrays. <i>IEEE Journal on Selected Areas in Communications</i> , 2021 , 39, 2289-2304	14.2	9
309	Deep Learning Phase Compression for MIMO CSI Feedback by Exploiting FDD Channel Reciprocity. <i>IEEE Wireless Communications Letters</i> , 2021 , 1-1	5.9	2

308	Practical Modeling and Analysis of Blockchain Radio Access Network. <i>IEEE Transactions on Communications</i> , 2020 , 1-1	6.9	9
307	. <i>IEEE Network</i> , 2020 , 34, 54-61	11.4	12
306	Networked Optical Massive MIMO Communications. <i>IEEE Transactions on Wireless Communications</i> , 2020 , 19, 5575-5588	9.6	0
305	An Efficient Deep Learning Framework for Low Rate Massive MIMO CSI Reporting. <i>IEEE Transactions on Communications</i> , 2020 , 68, 4761-4772	6.9	17
304	Joint PSK Data Detection and Channel Estimation Under Frequency Selective Sparse Multipath Channels. <i>IEEE Transactions on Communications</i> , 2020 , 68, 2726-2739	6.9	4
303	Optimal Linear Cooperation for Signal Classification in Cognitive Communication Networks. <i>IEEE Transactions on Wireless Communications</i> , 2020 , 19, 3144-3155	9.6	0
302	. <i>IEEE Internet of Things Journal</i> , 2020 , 7, 639-660	10.7	16
301	Blind Over-the-Air Computation and Data Fusion via Provable Wirtinger Flow. <i>IEEE Transactions on Signal Processing</i> , 2020 , 68, 1136-1151	4.8	22
300	. <i>IEEE Internet of Things Journal</i> , 2020 , 7, 9456-9470	10.7	14
299	Resource Management in LTE-U Systems: Past, Present, and Future. <i>IEEE Open Journal of Vehicular Technology</i> , 2020 , 1, 1-17	5.3	9
298	Federated Learning via Over-the-Air Computation. <i>IEEE Transactions on Wireless Communications</i> , 2020 , 19, 2022-2035	9.6	263
297	Joint Detection and Decoding of Polar Coded 5G Control Channels. <i>IEEE Transactions on Wireless Communications</i> , 2020 , 19, 2066-2078	9.6	15
296	Satellite-Aided Consensus Protocol for Scalable Blockchains. <i>Sensors</i> , 2020 , 20,	3.8	3
295	Hypergraph-Based Image Processing 2020 ,		2
294	Spherical Normalization for Learned Compressive Feedback in Massive MIMO CSI Acquisition 2020 ,		5
293	Accommodating LAA Within IEEE 802.11ax WiFi Networks for Enhanced Coexistence. <i>IEEE Transactions on Wireless Communications</i> , 2020 , 19, 7621-7636	9.6	5
292	. <i>IEEE Wireless Communications</i> , 2020 , 27, 160-168	13.4	14
291	Overcoming the Channel Estimation Barrier in Massive MIMO Communication via Deep Learning. <i>IEEE Wireless Communications</i> , 2020 , 27, 104-111	13.4	5

290	Hypergraph Spectral Clustering for Point Cloud Segmentation. <i>IEEE Signal Processing Letters</i> , 2020 , 27, 1655-1659	3.2	5
289	Target Localization With Jammer Removal Using Frequency Diverse Array. <i>IEEE Transactions on Vehicular Technology</i> , 2020 , 69, 11685-11696	6.8	22
288	Quannet: Joint Image Compression and Classification Over Channels with Limited Bandwidth 2019 ,		6
287	Low Complexity Header Compression with Lower-Layer Awareness for Wireless Networks 2019 ,		2
286	A Markovian Design of Bi-Directional Robust Header Compression for Efficient Packet Delivery in Wireless Networks. <i>IEEE Transactions on Wireless Communications</i> , 2019 , 18, 20-33	9.6	2
285	Data Shuffling in Wireless Distributed Computing via Low-Rank Optimization. <i>IEEE Transactions on Signal Processing</i> , 2019 , 67, 3087-3099	4.8	14
284	A Novel Spatial CCK Modulation Design for Underwater Acoustic Communications. <i>IEEE Transactions on Vehicular Technology</i> , 2019 , 68, 6192-6196	6.8	1
283	Topology Inference of Unknown Networks Based on Robust Virtual Coordinate Systems. <i>IEEE/ACM Transactions on Networking</i> , 2019 , 27, 405-418	3.8	4
282	Engineering Radio Maps for Wireless Resource Management. <i>IEEE Wireless Communications</i> , 2019 , 26, 133-141	13.4	41
281	Generalized Low-Rank Optimization for Topological Cooperation in Ultra-Dense Networks. <i>IEEE Transactions on Wireless Communications</i> , 2019 , 18, 2539-2552	9.6	9
280	Cooperation in Cognitive Cellular Heterogeneous Networks 2019 , 1413-1444		
279	On Non-Intrusive Coexistence of eLAA and Legacy WiFi Networks 2019 ,		1
278	Sparse Blind Demixing for Low-latency Signal Recovery in Massive IoT Connectivity 2019 ,		2
277	Enhanced Receiver Based on FEC Code Constraints for Uplink NOMA With Imperfect CSI. <i>IEEE Transactions on Wireless Communications</i> , 2019 , 18, 4790-4802	9.6	4
276	Prototype Design and Test of Blockchain Radio Access Network 2019 ,		11
275	Federated Learning Based on Over-the-Air Computation 2019 ,		22
274	FeetBeat: A Flexible Iontronic Sensing Wearable Detects Pedal Pulses and Muscular Activities. <i>IEEE Transactions on Biomedical Engineering</i> , 2019 , 66, 3072-3079	5	16
273	Exploiting Bi-Directional Channel Reciprocity in Deep Learning for Low Rate Massive MIMO CSI Feedback. <i>IEEE Wireless Communications Letters</i> , 2019 , 8, 889-892	5.9	50

272	Low-Overhead Multi-Antenna-Enabled Random Access for Machine-Type Communications with Low Mobility 2019 ,		1
271	Access Control and Pilot Allocation for Machine-Type Communications in Crowded Massive MIMO Systems. <i>Symmetry</i> , 2019 , 11, 1272	2.7	1
270	Enhanced LAA for Unlicensed LTE Deployment Based on TXOP Contention. <i>IEEE Transactions on Communications</i> , 2019 , 67, 417-429	6.9	21
269	Blockchain Radio Access Network (B-RAN): Towards Decentralized Secure Radio Access Paradigm. <i>IEEE Access</i> , 2019 , 7, 9714-9723	3.5	60
268	Optical Filter Designs for Multi-Color Visible Light Communication. <i>IEEE Transactions on Communications</i> , 2019 , 67, 2173-2187	6.9	15
267	High Rate CCK Modulation Design for Bandwidth Efficient Link Adaptation. <i>IEEE Wireless Communications Letters</i> , 2019 , 8, 496-499	5.9	0
266	Beam Domain Massive MIMO for Optical Wireless Communications With Transmit Lens. <i>IEEE Transactions on Communications</i> , 2019 , 67, 2188-2202	6.9	18
265	LTE Multimedia Broadcast Multicast Service Provisioning Based on Robust Header Compression. <i>IEEE Transactions on Wireless Communications</i> , 2018 , 17, 1161-1172	9.6	4
264	Efficient OFDMA for LiFi Downlink. <i>Journal of Lightwave Technology</i> , 2018 , 36, 1928-1943	4	22
263	Biased Multi-LED Beamforming for Multicarrier Visible Light Communications. <i>IEEE Journal on Selected Areas in Communications</i> , 2018 , 36, 106-120	14.2	13
262	Graph-Based Resource Sharing in Vehicular Communication. <i>IEEE Transactions on Wireless Communications</i> , 2018 , 17, 4579-4592	9.6	75
261	Cooperative coexistence and resource allocation for V2X communications in LTE-unlicensed 2018 ,		8
260	A Novel Waveform Optimization Scheme for Piezoelectric Sensors Wire-Free Charging in the Tightly Insulated Environment. <i>IEEE Internet of Things Journal</i> , 2018 , 5, 1936-1946	10.7	16
259	. <i>Proceedings of the IEEE</i> , 2018 , 106, 1779-1833	14.3	33
258	Graph-Based Radio Resource Management for Vehicular Networks 2018 ,		18
257	mmWave Beamforming using Photonic Signal Processing for Future 5G Mobile Systems 2018 ,		4
256	A Joint Detection and Decoding Receiver Design for Polar Coded MIMO Wireless Transmissions 2018 ,		8
255	The Design of Transport Block-Based ROHC U-Mode for LTE Multicast 2018 ,		1

254	Low-Rank Optimization for Data Shuffling in Wireless Distributed Computing 2018,		5
253	Joint Turbo Receiver for LDPC-Coded MIMO Systems Based on Semi-Definite Relaxation 2018,		1
252	A Markovian ROHC Control Mechanism Based on Transport Block Link Model in LTE Networks 2018,		2
251	Wireless Resource Management in LTE-U Driven Heterogeneous V2X Communication Networks. <i>IEEE Transactions on Vehicular Technology</i> , 2018 , 67, 7508-7522	6.8	31
250	Modulation Design for MIMO-CoMP HARQ. <i>IEEE Communications Letters</i> , 2017 , 21, 290-293	3.8	2
249	BDMA in Multicell Massive MIMO Communications: Power Allocation Algorithms. <i>IEEE Transactions on Signal Processing</i> , 2017 , 65, 2962-2974	4.8	31
248	LTE Multimedia Broadcast Multicast Service Provisioning Based on Robust Header Compression 2017,		4
247	On Efficient Packet-Switched Wireless Networking: A Markovian Approach to Trans-Layer Design and Optimization of ROHC. <i>IEEE Transactions on Wireless Communications</i> , 2017 , 16, 4232-4245	9.6	8
246	Spatial CCK Modulation and Iterative Detection Over Frequency-Selective Fading Channels. <i>IEEE Wireless Communications Letters</i> , 2017 , 6, 506-509	5.9	2
245	Embedding LTE-U within Wi-Fi Bands for Spectrum Efficiency Improvement. <i>IEEE Network</i> , 2017 , 31, 72-79	11.4	30
244	Scheduling and Power Allocation for Hybrid Access Cognitive Femtocells. <i>IEEE Transactions on Wireless Communications</i> , 2017 , 16, 2520-2533	9.6	7
243	. <i>IEEE Transactions on Communications</i> , 2017 , 65, 1303-1318	6.9	3
242	Energy Management and Power Allocation for Underwater Acoustic Sensor Network. <i>IEEE Sensors Journal</i> , 2017 , 17, 6451-6462	4	25
241	Constellation Design Enhancement for Color-Shift Keying Modulation of Quadrichromatic LEDs in Visible Light Communications. <i>Journal of Lightwave Technology</i> , 2017 , 35, 3650-3663	4	36
240	Joint channel estimation and detection using Markov chain Monte Carlo method over sparse underwater acoustic channels. <i>IET Communications</i> , 2017 , 11, 1789-1796	1.3	9
239	On Linear Precoding of Nonregenerative MIMO Relay Networks for Finite-Alphabet Source. <i>IEEE Transactions on Vehicular Technology</i> , 2017 , 66, 9761-9775	6.8	5
238	Finding Link Topology of Large Scale Networks from Anchored Hop Count Reports 2017,		3
237	Cooperation in Cognitive Cellular Heterogeneous Networks 2017, 1-32		

236	Optimizing Unlicensed Spectrum Sharing for LTE-U and WiFi Network Coexistence. <i>IEEE Journal on Selected Areas in Communications</i> , 2016 , 34, 2562-2574	14.2	55
235	Joint power and rate optimization for co-channel small cells using Frank-Wolfe algorithm 2016 ,		2
234	D2D Neighbor Discovery and Resource Scheduling through Demodulation Reference Signal 2016 ,		4
233	On the Sum Rate of Fair Resource Allocation With Selective Feedback. <i>IEEE Transactions on Wireless Communications</i> , 2016 , 15, 5193-5205	9.6	2
232	. <i>IEEE Transactions on Communications</i> , 2016 , 64, 2647-2659	6.9	12
231	Modulation Design for Two-Way Amplify-and-Forward Relay HARQ. <i>IEEE Wireless Communications Letters</i> , 2016 , 5, 244-247	5.9	4
230	Mixed Mode Transmission and Resource Allocation for D2D Communication. <i>IEEE Transactions on Wireless Communications</i> , 2016 , 15, 162-175	9.6	62
229	Offset and Power Optimization for DCO-OFDM in Visible Light Communication Systems. <i>IEEE Transactions on Signal Processing</i> , 2016 , 64, 349-363	4.8	54
228	. <i>IEEE Transactions on Vehicular Technology</i> , 2016 , 65, 5222-5236	6.8	11
227	PAPR analysis for OFDM visible light communication. <i>Optics Express</i> , 2016 , 24, 27457-27474	3.3	50
226	Robust receiver design based on FEC code diversity in pilot-contaminated multi-user massive MIMO systems 2016 ,		7
225	Low-Rank Matrix Completion for Mobile Edge Caching in Fog-RAN via Riemannian Optimization 2016 ,		5
224	FEC Code Anchored Robust Design of Massive MIMO Receivers. <i>IEEE Transactions on Wireless Communications</i> , 2016 , 15, 8223-8235	9.6	10
223	. <i>IEEE Transactions on Vehicular Technology</i> , 2016 , 1-1	6.8	5
222	Monotonic optimization for power control of D2D underlay with partial CSI 2016 ,		5
221	Exploiting Multi-Antenna Non-Reciprocal Channels for Shared Secret Key Generation. <i>IEEE Transactions on Information Forensics and Security</i> , 2016 , 11, 2693-2705	8	12
220	Optimal linear cooperation for signal classification 2016 ,		3
219	Adaptive Resource Allocation for Interference Management in Small Cell Networks. <i>IEEE Transactions on Communications</i> , 2015 , 63, 2107-2125	6.9	45

218	. <i>IEEE Transactions on Communications</i> , 2015 , 63, 2170-2184	6.9	220
217	Resource Allocation and Inter-Cell Interference Management for Dual-Access Small Cells. <i>IEEE Journal on Selected Areas in Communications</i> , 2015 , 33, 1082-1096	14.2	57
216	Diversity combining in wireless relay networks with partial channel state information 2015 ,		6
215	Downlink Scheduling and Power Allocation in Cognitive Femtocell Networks. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2015 , 92-105	0.2	2
214	On Performance Loss of Some CoMP Techniques Under Channel Power Imbalance and Limited Feedback. <i>IEEE Transactions on Wireless Communications</i> , 2015 , 14, 4469-4481	9.6	5
213	Distributed Power Control in a Two-Tier Heterogeneous Network. <i>IEEE Transactions on Wireless Communications</i> , 2015 , 14, 6509-6523	9.6	27
212	2015 , 53, 190-199		156
211	Higher Rank Interference Effect on Weak Beamforming or OSTBC Terminals. <i>IEEE Transactions on Wireless Communications</i> , 2015 , 14, 4948-4957	9.6	0
210	Beam division multiple access for massive MIMO downlink transmission 2015 ,		4
209	. <i>IEEE Transactions on Wireless Communications</i> , 2015 , 14, 2043-2057	9.6	19
208	Cognitive Femtocell Scheduling and Power Allocation Based on Channel Quality Report 2015 ,		2
207	Joint Offset and Power Optimization for Visible Light DCO-OFDM Systems 2015 ,		1
206	Joint Detection and Decoding in LDPC-Based Space-Time Coded MIMO-OFDM Systems via Linear Programming. <i>IEEE Transactions on Signal Processing</i> , 2015 , 63, 3411-3424	4.8	16
205	On Transport Capacity of Full Duplex Ad Hoc Networks 2015 ,		1
204	Wavelet transform processing for cellular traffic prediction in machine learning networks 2015 ,		24
203	. <i>IEEE Transactions on Communications</i> , 2015 , 63, 766-779	6.9	16
202	An exploratory study of stress wave communication in concrete structures. <i>Smart Structures and Systems</i> , 2015 , 15, 135-150		37
201	. <i>IEEE Transactions on Mobile Computing</i> , 2014 , 13, 350-363	4.6	18

200	. <i>IEEE Journal on Selected Areas in Communications</i> , 2014 , 32, 193-196	14.2	2
199	Dynamic MIMO Precoding for Femtocell Interference Mitigation. <i>IEEE Transactions on Communications</i> , 2014 , 62, 648-666	6.9	10
198	Joint detection and decoding of LDPC coded distributed space-time signaling in wireless relay networks via linear programming 2014 ,		7
197	Cooperative multi-cell MIMO downlink precoding for finite-alphabet inputs 2014 ,		1
196	Macrocell-Queue-Stabilization-Based Power Control of Femtocell Networks. <i>IEEE Transactions on Wireless Communications</i> , 2014 , 13, 5223-5236	9.6	9
195	Enabling D2D Communications Through Neighbor Discovery in LTE Cellular Networks. <i>IEEE Transactions on Signal Processing</i> , 2014 , 62, 5157-5170	4.8	92
194	Multiple Source Localization in Wireless Sensor Networks Based on Time of Arrival Measurement. <i>IEEE Transactions on Signal Processing</i> , 2014 , 62, 1938-1949	4.8	90
193	Opportunistic interference avoidance scheduling for underlay cognitive radio networks 2014 ,		2
192	Bandwidth Efficient Variable Rate HARQ Under Orthogonal Space-Time Block Codes. <i>IEEE Transactions on Signal Processing</i> , 2014 , 62, 3360-3370	4.8	10
191	Stress wave communication in concrete: I. Characterization of a smart aggregate based concrete channel. <i>Smart Materials and Structures</i> , 2014 , 23, 125030	3.4	30
190	Stress wave communication in concrete: II. Evaluation of low voltage concrete stress wave communications utilizing spectrally efficient modulation schemes with PZT transducers. <i>Smart Materials and Structures</i> , 2014 , 23, 125031	3.4	16
189	Power control and rate allocation for outage balancing in femtocell networks 2014 ,		3
188	CMOS Compatible Reconfigurable Silicon Photonic Lattice Filters Using Cascaded Unit Cells for RF-Photonic Processing. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2014 , 20, 359-368	3.8	17
187	On Forward Channel Estimation for MIMO Precoding in Cooperative Relay Wireless Transmission Systems. <i>IEEE Transactions on Signal Processing</i> , 2014 , 62, 1265-1278	4.8	6
186	Joint optimization of source and relay precoding in non-regenerative MIMO relay systems. <i>Wireless Communications and Mobile Computing</i> , 2013 , 13, 1571-1585	1.9	4
185	An Integrated Linear Programming Receiver for LDPC Coded MIMO-OFDM Signals. <i>IEEE Transactions on Communications</i> , 2013 , 61, 2816-2827	6.9	7
184	Distributed Control of Multiple Cognitive Radio Overlay for Primary Queue Stability. <i>IEEE Transactions on Wireless Communications</i> , 2013 , 12, 112-122	9.6	13
183	Piggyback Retransmissions over Wireless MIMO Channels: Shared Hybrid-ARQ (SHARQ) for Bandwidth Efficiency. <i>IEEE Transactions on Wireless Communications</i> , 2013 , 12, 3770-3782	9.6	7

182	. <i>IEEE Transactions on Communications</i> , 2013 , 61, 4271-4283	6.9	12
181	Impact of Base Station Time Synchronization Mismatch on Almost Blank Subframes. <i>IEEE Communications Letters</i> , 2013 , 17, 2092-2095	3.8	3
180	On Efficient Utilization of Training Pilots for Linear Equalization of QAM Transmissions. <i>IEEE Transactions on Communications</i> , 2013 , 61, 4984-4996	6.9	4
179	Resource Allocation in Two-Tier Heterogeneous Networks through Enhanced Shadow Chasing. <i>IEEE Transactions on Wireless Communications</i> , 2013 , 12, 6439-6453	9.6	5
178	. <i>IEEE Transactions on Communications</i> , 2013 , 61, 3766-3780	6.9	38
177	A Linear Programming Based Tone Injection Algorithm for PAPR Reduction of OFDM and Linearly Precoded Systems. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2013 , 60, 1937-1945	3.9	19
176	Target Tracking and Mobile Sensor Navigation in Wireless Sensor Networks. <i>IEEE Transactions on Mobile Computing</i> , 2013 , 12, 177-186	4.6	95
175	Robust {MISO Transmit} Optimization under Outage-Based QoS Constraints in Two-Tier Heterogeneous Networks. <i>IEEE Transactions on Wireless Communications</i> , 2013 , 12, 1883-1897	9.6	36
174	On Number of Almost Blank Subframes in Heterogeneous Cellular Networks. <i>IEEE Transactions on Wireless Communications</i> , 2013 , 12, 5061-5073	9.6	67
173	Outage constrained joint precoding for D2D underlay cellular networks 2013 ,		1
172	Inference-driven dynamic access scheme for interference management in heterogeneous networks 2013 ,		1
171	Cooperative MIMO precoding for D2D underlay in cellular networks 2013 ,		34
170	Design of dual-access-technology femtocells in enterprise environments 2013 ,		5
169	Adaptive small cell access of licensed and unlicensed bands 2013 ,		23
168	. <i>IEEE Journal on Selected Areas in Communications</i> , 2013 , 31, 825-828	14.2	4
167	. <i>IEEE Transactions on Vehicular Technology</i> , 2012 , 61, 2599-2612	6.8	123
166	. <i>IEEE Transactions on Communications</i> , 2012 , 60, 1889-1902	6.9	3
165	Noniterative convex optimization methods for network component analysis. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , 2012 , 9, 1472-81	3	9

164	. <i>IEEE Transactions on Wireless Communications</i> , 2012 , 1-15	9.6	37
163	. <i>IEEE Transactions on Communications</i> , 2012 , 60, 3816-3825	6.9	42
162	Power control and resource allocation for capacity improvement in picocell downlinks 2012 ,		4
161	Subcarrier Nulling Algorithms for Channel Shortening in Uplink OFDMA Systems. <i>IEEE Transactions on Signal Processing</i> , 2012 , 60, 2374-2385	4.8	9
160	On linear precoding of non-regenerative MIMO relays for QAM inputs 2012 ,		6
159	Shadow chasing enhancement in resource allocation for heterogeneous networks 2012 ,		2
158	Joint Symbol Timing and Channel Estimation in Two-Way Multiple Antenna Relay Networks 2012 ,		1
157	Adaptive precoding for femtocell interference mitigation 2012 ,		6
156	Maximizing lifetime in multi-source multi-relay non-regenerative OFDM networks 2012 ,		4
155	Optimum sensor placement for localization in three dimensional under log normal shadowing 2012 ,		6
154	Shadow Chasing : A Resource Allocation Scheme For Heterogeneous Networks 2012 ,		6
153	On TDD cross-tier in-band interference mitigation: a practical example 2012 ,		2
152	Fully Reconfigurable Silicon Photonic Lattice Filters With Four Cascaded Unit Cells. <i>IEEE Photonics Technology Letters</i> , 2011 , 23, 42-44	2.2	22
151	Multi-Channel Opportunistic Access Based on Primary ARQ Messages Overhearing 2011 ,		7
150	Source Localization in Wireless Sensor Networks From Signal Time-of-Arrival Measurements. <i>IEEE Transactions on Signal Processing</i> , 2011 , 59, 2887-2897	4.8	169
149	A convex optimization approach to reducing peak-to-average-power ratio in OFDM 2011 ,		5
148	Demonstration of a fast-reconfigurable silicon CMOS optical lattice filter. <i>Optics Express</i> , 2011 , 19, 13245-56		32
147	Reduced Complexity Semidefinite Relaxation Algorithms for Source Localization Based on Time Difference of Arrival. <i>IEEE Transactions on Mobile Computing</i> , 2011 , 10, 1276-1282	4.6	39

146	On the Secrecy Rate of Multi-Antenna Wiretap Channel under Finite-Alphabet Input. <i>IEEE Communications Letters</i> , 2011 , 15, 527-529	3.8	29
145	Sequential Linear MIMO Precoder Optimization for Hybrid ARQ Retransmission of QAM Signals. <i>IEEE Communications Letters</i> , 2011 , 15, 913-915	3.8	12
144	Decentralized Cognitive Radio Control Based on Inference from Primary Link Control Information. <i>IEEE Journal on Selected Areas in Communications</i> , 2011 , 29, 394-406	14.2	59
143	Quasi-Cyclic LDPC Codes on Cyclic Subgroups of Finite Fields. <i>IEEE Transactions on Communications</i> , 2011 , 59, 2330-2336	6.9	18
142	On Secrecy of Codebook-Based Transmission Beamforming under Receiver Limited Feedback. <i>IEEE Transactions on Wireless Communications</i> , 2011 , 10, 1212-1223	9.6	52
141	Best-Effort Interference Alignment in OFDM Systems with Finite SNR 2011 ,		9
140	Blind Multiuser Detection for Synchronous High Rate Space-Time Block Coded Transmission. <i>IEEE Transactions on Wireless Communications</i> , 2011 , 10, 2171-2185	9.6	2
139	On Precoder Design for Amplify-and-Forward MIMO Relay Systems 2011 ,		4
138	. <i>IEEE Transactions on Signal Processing</i> , 2011 , 59, 3301-3314	4.8	177
137	Distributed Power Control for Cognitive User Access based on Primary Link Control Feedback 2010 ,		46
136	Wireless source localization based on time of arrival measurement 2010 ,		7
135	A blind channel shortening criterion based on high-order cumulants 2010 ,		2
134	Robust and Low Complexity Source Localization in Wireless Sensor Networks Using Time Difference of Arrival Measurement 2010 ,		5
133	Optimum sensor placement for localization under log-normal shadowing 2010 ,		2
132	Fully reconfigurable silicon CMOS photonic lattice filters 2010 ,		1
131	A Linear Programming Receiver for Blind Detection of Full Rate Space-Time Block Codes. <i>IEEE Transactions on Signal Processing</i> , 2010 , 58, 5819-5834	4.8	7
130	High bandwidth on-chip silicon photonic interleaver. <i>Optics Express</i> , 2010 , 18, 23079-87	3.3	51
129	Burst Decoding of Cyclic Codes Based on Circulant Parity-Check Matrices. <i>IEEE Transactions on Information Theory</i> , 2010 , 56, 1038-1047	2.8	8

128	On Wireless Downlink Scheduling of MIMO Systems With Homogeneous Users. <i>IEEE Transactions on Information Theory</i> , 2010 , 56, 3369-3377	2.8	5
127	Optimum Power Allocation against Information Leakage in Wireless Network 2009 ,		8
126	Silicon microring resonator-based reconfigurable optical lattice filter for on-chip optical signal processing 2009 ,		2
125	Source Localization from Received Signal Strength Under Log-Normal Shadowing: Bias and Variance 2009 ,		4
124	Downlink wireless channel estimation for linear MIMO transmission precoding. <i>IEEE Transactions on Communications</i> , 2009 , 57, 1151-1161	6.9	2
123	High Performance Non-Binary Quasi-Cyclic LDPC Codes on Euclidean Geometries LDPC Codes on Euclidean Geometries. <i>IEEE Transactions on Communications</i> , 2009 , 57, 1298-1311	6.9	26
122	. <i>IEEE Transactions on Vehicular Technology</i> , 2009 , 58, 4406-4418	6.8	6
121	Optimal Transmission Strategies for Dynamic Spectrum Access in Cognitive Radio Networks. <i>IEEE Transactions on Mobile Computing</i> , 2009 , 8, 1636-1648	4.6	88
120	Optimum routing protection against cumulative eavesdropping in multihop wireless networks 2009 ,		2
119	A Quadratic Programming Approach to Blind Equalization and Signal Separation. <i>IEEE Transactions on Signal Processing</i> , 2009 , 57, 2232-2244	4.8	10
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