

# Zhi Ding

## List of Publications by Year in descending order

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409  
papers

9,330  
citations

53660

45  
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69108

77  
g-index

413  
all docs

413  
docs citations

413  
times ranked

6186  
citing authors

#	ARTICLE	IF	CITATIONS
1	Federated Learning via Over-the-Air Computation. IEEE Transactions on Wireless Communications, 2020, 19, 2022-2035.	6.1	550
2	Beam Division Multiple Access Transmission for Massive MIMO Communications. IEEE Transactions on Communications, 2015, 63, 2170-2184.	4.9	315
3	A novel ultra-wideband pulse design algorithm. IEEE Communications Letters, 2003, 7, 219-221.	2.5	271
4	Globally Optimal Linear Precoders for Finite Alphabet Signals Over Complex Vector Gaussian Channels. IEEE Transactions on Signal Processing, 2011, 59, 3301-3314.	3.2	254
5	Source Localization in Wireless Sensor Networks From Signal Time-of-Arrival Measurements. IEEE Transactions on Signal Processing, 2011, 59, 2887-2897.	3.2	217
6	Wireless communications in the era of big data. , 2015, 53, 190-199.		205
7	Linear Precoding for Finite-Alphabet Signaling Over MIMOME Wiretap Channels. IEEE Transactions on Vehicular Technology, 2012, 61, 2599-2612.	3.9	162
8	Global convergence of fractionally spaced Godard (CMA) adaptive equalizers. IEEE Transactions on Signal Processing, 1996, 44, 818-826.	3.2	150
9	Single-user channel estimation and equalization. IEEE Signal Processing Magazine, 2000, 17, 17-28.	4.6	136
10	Enabling D2D Communications Through Neighbor Discovery in LTE Cellular Networks. IEEE Transactions on Signal Processing, 2014, 62, 5157-5170.	3.2	126
11	Target Tracking and Mobile Sensor Navigation in Wireless Sensor Networks. IEEE Transactions on Mobile Computing, 2013, 12, 177-186.	3.9	125
12	Matrix outer-product decomposition method for blind multiple channel identification. IEEE Transactions on Signal Processing, 1997, 45, 3053-3061.	3.2	124
13	Graph-Based Resource Sharing in Vehicular Communication. IEEE Transactions on Wireless Communications, 2018, 17, 4579-4592.	6.1	120
14	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
15	Optimal Transmission Strategies for Dynamic Spectrum Access in Cognitive Radio Networks. IEEE Transactions on Mobile Computing, 2009, 8, 1636-1648.	3.9	114
16	Blockchain Radio Access Network (B-RAN): Towards Decentralized Secure Radio Access Paradigm. IEEE Access, 2019, 7, 9714-9723.	2.6	109
17	Broadband DOA estimation using frequency invariant beamforming. IEEE Transactions on Signal Processing, 1998, 46, 1463-1469.	3.2	92
18	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

#	ARTICLE	IF	CITATIONS
19	On Number of Almost Blank Subframes in Heterogeneous Cellular Networks. IEEE Transactions on Wireless Communications, 2013, 12, 5061-5073.	6.1	85
20	Engineering Radio Maps for Wireless Resource Management. IEEE Wireless Communications, 2019, 26, 133-141.	6.6	85
21	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
22	Distance Estimation From Received Signal Strength Under Log-Normal Shadowing: Bias and Variance. IEEE Signal Processing Letters, 2009, 16, 216-218.	2.1	80
23	Fast network component analysis (FastNCA) for gene regulatory network reconstruction from microarray data. Bioinformatics, 2008, 24, 1349-1358.	1.8	77
24	High bandwidth on-chip silicon photonic interleaver. Optics Express, 2010, 18, 23079.	1.7	75
25	Mixed Mode Transmission and Resource Allocation for D2D Communication. IEEE Transactions on Wireless Communications, 2016, 15, 162-175.	6.1	75
26	A matrix-pencil approach to blind separation of colored nonstationary signals. IEEE Transactions on Signal Processing, 2000, 48, 900-907.	3.2	74
27	Distributed Power Control for Cognitive User Access based on Primary Link Control Feedback. , 2010, , .		73
28	Blind MIMO channel identification from second order statistics using rank deficient channel convolution matrix. IEEE Transactions on Signal Processing, 2003, 51, 535-544.	3.2	72
29	A Semidefinite Programming Approach to Source Localization in Wireless Sensor Networks. IEEE Signal Processing Letters, 2008, 15, 253-256.	2.1	72
30	Offset and Power Optimization for DCO-OFDM in Visible Light Communication Systems. IEEE Transactions on Signal Processing, 2016, 64, 349-363.	3.2	72
31	Decentralized Cognitive Radio Control Based on Inference from Primary Link Control Information. IEEE Journal on Selected Areas in Communications, 2011, 29, 394-406.	9.7	71
32	Spectral Phase-Encoded Time-Spreading (SPECTS) Optical Code-Division Multiple Access for Terabit Optical Access Networks. Journal of Lightwave Technology, 2004, 22, 2671-2679.	2.7	69
33	Symbol Mapping Diversity Design for Multiple Packet Transmissions. IEEE Transactions on Communications, 2005, 53, 810-817.	4.9	68
34	PAPR analysis for OFDM visible light communication. Optics Express, 2016, 24, 27457.	1.7	68
35	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
36	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

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37	On the (non)existence of undesirable equilibria of Godard blind equalizers. IEEE Transactions on Signal Processing, 1992, 40, 2425-2432.	3.2	63
38	Stationary points of a kurtosis maximization algorithm for blind signal separation and antenna beamforming. IEEE Transactions on Signal Processing, 2000, 48, 1587-1596.	3.2	63
39	Convergence analysis of finite length blind adaptive equalizers. IEEE Transactions on Signal Processing, 1995, 43, 2120-2129.	3.2	62
40	Direct blind MMSE channel equalization based on second-order statistics. IEEE Transactions on Signal Processing, 2000, 48, 1015-1022.	3.2	56
41	On Secrecy of Codebook-Based Transmission Beamforming under Receiver Limited Feedback. IEEE Transactions on Wireless Communications, 2011, 10, 1212-1223.	6.1	56
42	On Secrecy Rate Analysis of MIMO Wiretap Channels Driven by Finite-Alphabet Input. IEEE Transactions on Communications, 2012, 60, 3816-3825.	4.9	55
43	Single-channel blind equalization for GSM cellular systems. IEEE Journal on Selected Areas in Communications, 1998, 16, 1493-1505.	9.7	52
44	Adaptive Resource Allocation for Interference Management in Small Cell Networks. IEEE Transactions on Communications, 2015, 63, 2107-2125.	4.9	52
45	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
46	On channel identification based on second-order cyclic spectra. IEEE Transactions on Signal Processing, 1994, 42, 1260-1264.	3.2	50
47	Receiver Design for OTFS with a Fractionally Spaced Sampling Approach. IEEE Transactions on Wireless Communications, 2021, 20, 4072-4086.	6.1	50
48	Second-Order Statistical Approaches to Channel Shortening in Multicarrier Systems. IEEE Transactions on Signal Processing, 2004, 52, 3253-3264.	3.2	49
49	ARMA system identification based on second-order cyclostationarity. IEEE Transactions on Signal Processing, 1994, 42, 3483-3494.	3.2	48
50	Linear Precoding for MIMO Broadcast Channels With Finite-Alphabet Constraints. IEEE Transactions on Wireless Communications, 2012, , 1-15.	6.1	47
51	Linear Precoder Design for MIMO Interference Channels with Finite-Alphabet Signaling. IEEE Transactions on Communications, 2013, 61, 3766-3780.	4.9	47
52	Characteristics of band-limited channels unidentifiable from second-order cyclostationary statistics. IEEE Signal Processing Letters, 1996, 3, 150-152.	2.1	46
53	Stress wave communication in concrete: I. Characterization of a smart aggregate based concrete channel. Smart Materials and Structures, 2014, 23, 125030.	1.8	46
54	An exploratory study of stress wave communication in concrete structures. Smart Structures and Systems, 2015, 15, 135-150.	1.9	45

#	ARTICLE	IF	CITATIONS
55	A 320-Gb/s Capacity (32-User $\times$ 10 Gb/s) SPECTS O-CDMA Network Testbed With Enhanced Spectral Efficiency Through Forward Error Correction. <i>Journal of Lightwave Technology</i> , 2007, 25, 79-86.	2.7	44
56	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.	3.9	44
57	Wireless Resource Management in LTE-U Driven Heterogeneous V2X Communication Networks. <i>IEEE Transactions on Vehicular Technology</i> , 2018, 67, 7508-7522.	3.9	44
58	Admission control and resource allocation in a heterogeneous OFDMA wireless network. <i>IEEE Transactions on Wireless Communications</i> , 2009, 8, 4200-4210.	6.1	43
59	Demonstration of a fast-reconfigurable silicon CMOS optical lattice filter. <i>Optics Express</i> , 2011, 19, 13245.	1.7	43
60	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.	6.1	43
61	A fast linear programming algorithm for blind equalization. <i>IEEE Transactions on Communications</i> , 2000, 48, 1432-1436.	4.9	42
62	A two-stage algorithm for MIMO blind deconvolution of nonstationary colored signals. <i>IEEE Transactions on Signal Processing</i> , 2000, 48, 1187-1192.	3.2	42
63	Embedding LTE-U within Wi-Fi Bands for Spectrum Efficiency Improvement. <i>IEEE Network</i> , 2017, 31, 72-79.	4.9	42
64	A Survey on MIMO Transmission With Finite Input Signals: Technical Challenges, Advances, and Future Trends. <i>Proceedings of the IEEE</i> , 2018, 106, 1779-1833.	16.4	42
65	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.	4.9	41
66	Introducing Hypergraph Signal Processing: Theoretical Foundation and Practical Applications. <i>IEEE Internet of Things Journal</i> , 2020, 7, 639-660.	5.5	41
67	Blind Over-the-Air Computation and Data Fusion via Provable Wirtinger Flow. <i>IEEE Transactions on Signal Processing</i> , 2020, 68, 1136-1151.	3.2	41
68	BDMA in Multicell Massive MIMO Communications: Power Allocation Algorithms. <i>IEEE Transactions on Signal Processing</i> , 2017, 65, 2962-2974.	3.2	40
69	Cooperative MIMO precoding for D2D underlay in cellular networks. , 2013, , .		39
70	An Efficient Deep Learning Framework for Low Rate Massive MIMO CSI Reporting. <i>IEEE Transactions on Communications</i> , 2020, 68, 4761-4772.	4.9	39
71	Federated Learning Based on Over-the-Air Computation. , 2019, , .		38
72	Target Localization With Jammer Removal Using Frequency Diverse Array. <i>IEEE Transactions on Vehicular Technology</i> , 2020, 69, 11685-11696.	3.9	38

#	ARTICLE	IF	CITATIONS
73	On convergence analysis of fractionally spaced adaptive blind equalizers. IEEE Transactions on Signal Processing, 1997, 45, 650-657.	3.2	37
74	On the Secrecy Rate of Multi-Antenna Wiretap Channel under Finite-Alphabet Input. IEEE Communications Letters, 2011, 15, 527-529.	2.5	37
75	Multipath channel identification based on partial system information. IEEE Transactions on Signal Processing, 1997, 45, 235-240.	3.2	36
76	Blind MIMO system identification based on cumulant subspace decomposition. IEEE Transactions on Signal Processing, 2003, 51, 1457-1468.	3.2	36
77	Progressive linear precoder optimization for MIMO packet retransmissions. IEEE Journal on Selected Areas in Communications, 2006, 24, 448-456.	9.7	36
78	The quadratic three-dimensional assignment problem: Exact and approximate solution methods. European Journal of Operational Research, 2008, 184, 416-428.	3.5	35
79	Wavelet transform processing for cellular traffic prediction in machine learning networks. , 2015, , .		35
80	Energy Management and Power Allocation for Underwater Acoustic Sensor Network. IEEE Sensors Journal, 2017, 17, 6451-6462.	2.4	34
81	Robust target identification in white Gaussian noise for ultra wide-band radar systems. IEEE Transactions on Antennas and Propagation, 1998, 46, 1817-1823.	3.1	33
82	Quasi-Cyclic LDPC Codes on Cyclic Subgroups of Finite Fields. IEEE Transactions on Communications, 2011, 59, 2330-2336.	4.9	32
83	Fully Reconfigurable Silicon Photonic Lattice Filters With Four Cascaded Unit Cells. IEEE Photonics Technology Letters, 2011, 23, 42-44.	1.3	31
84	Adaptive small cell access of licensed and unlicensed bands. , 2013, , .		31
85	Efficient OFDMA for LiFi Downlink. Journal of Lightwave Technology, 2018, 36, 1928-1943.	2.7	31
86	Blockchain Radio Access Network Beyond 5G. IEEE Wireless Communications, 2020, 27, 160-168.	6.6	31
87	OTFS Signaling for Uplink NOMA of Heterogeneous Mobility Users. IEEE Transactions on Communications, 2021, 69, 3147-3161.	4.9	31
88	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
89	Local convergence of the Sato blind equalizer and generalizations under practical constraints. IEEE Transactions on Information Theory, 1993, 39, 129-144.	1.5	30
90	Distributed Power Control in a Two-Tier Heterogeneous Network. IEEE Transactions on Wireless Communications, 2015, 14, 6509-6523.	6.1	30

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91	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
92	FeetBeat: A Flexible Iontronic Sensing Wearable Detects Pedal Pulses and Muscular Activities. IEEE Transactions on Biomedical Engineering, 2019, 66, 3072-3079.	2.5	29
93	Non-Intrusive Cognitive Radio Networks Based on Smart Antenna Technology. , 2007, , .		28
94	Short Paper: On Optimal Sensing and Transmission Strategies for Dynamic Spectrum Access. , 2008, , .		27
95	Practical Modeling and Analysis of Blockchain Radio Access Network. IEEE Transactions on Communications, 2020, , 1-1.	4.9	27
96	Energy-Efficient Processing and Robust Wireless Cooperative Transmission for Edge Inference. IEEE Internet of Things Journal, 2020, 7, 9456-9470.	5.5	27
97	Length- and cost-dependent local minima of unconstrained blind channel equalizers. IEEE Transactions on Signal Processing, 1996, 44, 2726-2735.	3.2	26
98	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
99	Data Shuffling in Wireless Distributed Computing via Low-Rank Optimization. IEEE Transactions on Signal Processing, 2019, 67, 3087-3099.	3.2	26
100	Blind Channel Identifiability for Generic Linear Space-Time Block Codes. IEEE Transactions on Signal Processing, 2007, 55, 202-217.	3.2	25
101	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
102	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
103	Enhanced LAA for Unlicensed LTE Deployment Based on TXOP Contention. IEEE Transactions on Communications, 2019, 67, 417-429.	4.9	25
104	Optical Filter Designs for Multi-Color Visible Light Communication. IEEE Transactions on Communications, 2019, 67, 2173-2187.	4.9	25
105	Beam Domain Massive MIMO for Optical Wireless Communications With Transmit Lens. IEEE Transactions on Communications, 2019, 67, 2188-2202.	4.9	25
106	Hash Access: Trustworthy Grant-Free IoT Access Enabled by Blockchain Radio Access Networks. IEEE Network, 2020, 34, 54-61.	4.9	25
107	Joint transmitter-receiver optimization for partial response channels based on nonmaximally decimated filterbank precoding technique. IEEE Transactions on Signal Processing, 1999, 47, 2407-2414.	3.2	24
108	A Variable-Rate Spread-Spectrum System for Underwater Acoustic Communications. IEEE Journal of Oceanic Engineering, 2009, 34, 624-633.	2.1	24

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109	Cooperative Self-Navigation in a Mixed LOS and NLOS Environment. IEEE Transactions on Mobile Computing, 2014, 13, 350-363.	3.9	23
110	Power Control and Resource Allocation for Outage Balancing in Femtocell Networks. IEEE Transactions on Wireless Communications, 2015, 14, 2043-2057.	6.1	23
111	Joint Detection and Decoding of Polar Coded 5G Control Channels. IEEE Transactions on Wireless Communications, 2020, 19, 2066-2078.	6.1	23
112	Graph-Based Radio Resource Management for Vehicular Networks. , 2018, , .		22
113	Prototype Design and Test of Blockchain Radio Access Network. , 2019, , .		22
114	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
115	Biased Multi-LED Beamforming for Multicarrier Visible Light Communications. IEEE Journal on Selected Areas in Communications, 2018, 36, 106-120.	9.7	21
116	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
117	A matrix-pencil approach to blind separation of non-white sources in white noise. , 0, , .		20
118	Blind source separation of signals with known alphabets using $\epsilon$ -approximation algorithms. IEEE Transactions on Signal Processing, 2003, 51, 1-10.	3.2	20
119	Hypergraph Spectral Analysis and Processing in 3D Point Cloud. IEEE Transactions on Image Processing, 2021, 30, 1193-1206.	6.0	19
120	Performance analysis of an automated E-pulse target discrimination scheme. IEEE Transactions on Antennas and Propagation, 2000, 48, 619-628.	3.1	18
121	Channel identifiability under orthogonal space-time coded modulations without training. IEEE Transactions on Wireless Communications, 2006, 5, 1003-1013.	6.1	18
122	A Quadratic Programming Approach to Blind Equalization and Signal Separation. IEEE Transactions on Signal Processing, 2009, 57, 2232-2244.	3.2	18
123	Feedback-based access and power control for distributed multiuser cognitive networks. , 2009, , .		18
124	Cooperative Multi-Cell MIMO Downlink Precoding With Finite-Alphabet Inputs. IEEE Transactions on Communications, 2015, 63, 766-779.	4.9	18
125	A cumulant matrix subspace algorithm for blind single FIR channel identification. IEEE Transactions on Signal Processing, 2001, 49, 325-333.	3.2	17
126	A Markovian Model-Driven Deep Learning Framework for Massive MIMO CSI Feedback. IEEE Transactions on Wireless Communications, 2022, 21, 1214-1228.	6.1	17



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127	Performance analysis of a GLRT automated target discrimination scheme. IEEE Transactions on Antennas and Propagation, 2001, 49, 1827-1835.	3.1	16
128	New MIMO ARQ protocols and joint detection via sphere decoding. IEEE Transactions on Signal Processing, 2006, 54, 473-482.	3.2	16
129	QAM constellation classification based on statistical sampling for linear distortive channels. IEEE Transactions on Signal Processing, 2006, 54, 1575-1586.	3.2	16
130	QoE Driven VR 360° Video Massive MIMO Transmission. IEEE Transactions on Wireless Communications, 2022, 21, 18-33.	6.1	16
131	Edge decision assisted decorrelators for asynchronous CDMA channels. IEEE Transactions on Communications, 1999, 47, 438-445.	4.9	15
132	Column-anchored zeroforcing blind equalization for multiuser wireless FIR channels. IEEE Journal on Selected Areas in Communications, 1999, 17, 411-423.	9.7	15
133	Iterative Transceiver Design for MIMO ARQ Retransmissions With Decision Feedback Detection. IEEE Transactions on Signal Processing, 2007, 55, 3405-3416.	3.2	15
134	Sequential Linear MIMO Precoder Optimization for Hybrid ARQ Retransmission of QAM Signals. IEEE Communications Letters, 2011, 15, 913-915.	2.5	15
135	Distributed Control of Multiple Cognitive Radio Overlay for Primary Queue Stability. IEEE Transactions on Wireless Communications, 2013, 12, 112-122.	6.1	15
136	Blind decision feedback equalization of time-varying channels with DPSK inputs. IEEE Transactions on Signal Processing, 2001, 49, 1533-1542.	3.2	14
137	Zero-forcing blind equalization based on subspace estimation for multiuser systems. IEEE Transactions on Communications, 2001, 49, 262-271.	4.9	14
138	On blind channel identifiability under space-time coded transmission. , 0, , .		14
139	A Hybrid ARQ Protocol Using Integrated Channel Equalization. IEEE Transactions on Communications, 2005, 53, 1996-2001.	4.9	14
140	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
141	Diversity Integration in Hybrid-ARQ With Chase Combining Under Partial CSI. IEEE Transactions on Communications, 2016, 64, 2647-2659.	4.9	14
142	Femtocell Power Control for Interference Management Based on Macrolayer Feedback. IEEE Transactions on Vehicular Technology, 2016, 65, 5222-5236.	3.9	14
143	Resource Management in LTE-U Systems: Past, Present, and Future. IEEE Open Journal of Vehicular Technology, 2020, 1, 1-17.	3.4	14
144	Constrained Capacity of Linear Precoded ARQ in MIMO Wireless Systems. , 0, , .		13

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145	Performance analysis of a spectrally compliant ultra-wideband pulse design. IEEE Transactions on Wireless Communications, 2005, 4, 2172-2181.	6.1	13
146	Linear precoder optimization for ARQ packet retransmissions in centralized multiuser MIMO uplinks. IEEE Transactions on Wireless Communications, 2008, 7, 736-745.	6.1	13
147	Dynamic MIMO Precoding for Femtocell Interference Mitigation. IEEE Transactions on Communications, 2014, 62, 648-666.	4.9	13
148	FEC Code Anchored Robust Design of Massive MIMO Receivers. IEEE Transactions on Wireless Communications, 2016, 15, 8223-8235.	6.1	13
149	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
150	Quannet: Joint Image Compression and Classification Over Channels with Limited Bandwidth. , 2019, , .		13
151	Hypergraph Spectral Clustering for Point Cloud Segmentation. IEEE Signal Processing Letters, 2020, 27, 1655-1659.	2.1	13
152	Robust blind multiuser detection against CDMA signature mismatch. , 0, , .		12
153	A Two-Stage Iterative Decoding of LDPC Codes for Lowering Error Floors. , 2008, , .		12
154	Bandwidth Efficient Variable Rate HARQ Under Orthogonal Space-Time Block Codes. IEEE Transactions on Signal Processing, 2014, 62, 3360-3370.	3.2	12
155	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
156	Generalized Low-Rank Optimization for Topological Cooperation in Ultra-Dense Networks. IEEE Transactions on Wireless Communications, 2019, 18, 2539-2552.	6.1	12
157	Overcoming the Channel Estimation Barrier in Massive MIMO Communication via Deep Learning. IEEE Wireless Communications, 2020, 27, 104-111.	6.6	12
158	An algebraic principle for blind separation of white non-Gaussian sources. Signal Processing, 1999, 76, 105-115.	2.1	11
159	Security Enhancement of SPECTS O-CDMA Through Concealment Against Upstream DPSK Eavesdropping. Journal of Lightwave Technology, 2007, 25, 2799-2806.	2.7	11
160	Best-Effort Interference Alignment in OFDM Systems with Finite SNR. , 2011, , .		11
161	Macrocell-Queue-Stabilization-Based Power Control of Femtocell Networks. IEEE Transactions on Wireless Communications, 2014, 13, 5223-5236.	6.1	11
162	Satellite-Aided Consensus Protocol for Scalable Blockchains. Sensors, 2020, 20, 5616.	2.1	11

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163	Channel Estimation and Equalization Techniques in Downsampled ARQ Systems. IEEE Transactions on Signal Processing, 2007, 55, 2251-2262.	3.2	10
164	Limited Feedback Multiuser Scheduling of Spatially Correlated Broadcast Channels. IEEE Transactions on Vehicular Technology, 2009, 58, 4406-4418.	3.9	10
165	Noniterative Convex Optimization Methods for Network Component Analysis. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2012, 9, 1472-1481.	1.9	10
166	Subcarrier Nulling Algorithms for Channel Shortening in Uplink OFDMA Systems. IEEE Transactions on Signal Processing, 2012, 60, 2374-2385.	3.2	10
167	Spherical Normalization for Learned Compressive Feedback in Massive MIMO CSI Acquisition. , 2020, , .		10
168	Robust Precoding for 3D Massive MIMO Configuration With Matrix Manifold Optimization. IEEE Transactions on Wireless Communications, 2022, 21, 3423-3437.	6.1	10
169	Zeros of sampled data systems represented by FIR models. Automatica, 2000, 36, 121-123.	3.0	9
170	Symbol mapping diversity design for packet retransmissions through fading channels. , 0, , .		9
171	Symbol mapping diversity in iterative decoding/demodulation of ARQ systems. , 0, , .		9
172	Robust blind multiuser detection against signature waveform mismatch based on second-order cone programming. IEEE Transactions on Wireless Communications, 2005, 4, 1285-1291.	6.1	9
173	Nonuniform Spectral Phase Encoding in Optical CDMA Networks. IEEE Photonics Technology Letters, 2006, 18, 2505-2507.	1.3	9
174	Perfect Blind-Channel Shortening for Multicarrier Systems. IEEE Transactions on Circuits and Systems I: Regular Papers, 2008, 55, 851-860.	3.5	9
175	Optimum Power Allocation against Information Leakage in Wireless Network. , 2009, , .		9
176	Robust receiver design based on FEC code diversity in pilot-contaminated multi-user massive MIMO systems. , 2016, , .		9
177	Cooperative coexistence and resource allocation for V2X communications in LTE-unicast. , 2018, , .		9
178	A Joint Detection and Decoding Receiver Design for Polar Coded MIMO Wireless Transmissions. , 2018, , .		9
179	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
180	Semi-blind channel identification for individual data bursts in GSM wireless systems. Signal Processing, 2000, 80, 2017-2031.	2.1	8

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181	Precoded integrated equalization for packet retransmissions. , 0, , .		8
182	Integrated iterative equalization for ARQ systems. , 2002, , .		8
183	Security issues on spectral-phase-encoded optical CDMA with phase-masking scheme. , 2006, , .		8
184	Progressive Linear Precoder Optimization for MIMO Packet Retransmissions Exploiting Channel Covariance Information. IEEE Transactions on Communications, 2008, 56, 818-827.	4.9	8
185	Joint ARQ Receiver Design for Bandwidth Efficient MIMO Systems. , 2008, , .		8
186	Optimum sensor placement for source monitoring under log-normal shadowing in three dimensions. , 2009, , .		8
187	Burst Decoding of Cyclic Codes Based on Circulant Parity-Check Matrices. IEEE Transactions on Information Theory, 2010, 56, 1038-1047.	1.5	8
188	Wireless source localization based on time of arrival measurement. , 2010, , .		8
189	Optimum sensor placement for localization in three dimensional under log normal shadowing. , 2012, , .		8
190	Resource Allocation in Two-Tier Heterogeneous Networks through Enhanced Shadow Chasing. IEEE Transactions on Wireless Communications, 2013, 12, 6439-6453.	6.1	8
191	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
192	An Efficient Hypergraph Approach to Robust Point Cloud Resampling. IEEE Transactions on Image Processing, 2022, 31, 1924-1937.	6.0	8
193	Equalization and interference cancellation in linear multiuser systems based on second-order statistics. IEEE Transactions on Signal Processing, 2001, 49, 2042-2049.	3.2	7
194	Integrated iterative equalization for ARQ systems. , 0, , .		7
195	Fractional spaced dual channel estimation based on decimated feedback. , 0, , .		7
196	Performance analysis for optical CDMA networks with random access schemes. , 0, , .		7
197	LDPC coding schemes for error control in a multicast network. , 2008, , .		7
198	Limited feedback design for MIMO broadcast channels with ARQ mechanism. IEEE Transactions on Wireless Communications, 2009, 8, 2132-2141.	6.1	7

#	ARTICLE	IF	CITATIONS
199	On Wireless Downlink Scheduling of MIMO Systems With Homogeneous Users. IEEE Transactions on Information Theory, 2010, 56, 3369-3377.	1.5	7
200	A Linear Programming Receiver for Blind Detection of Full Rate Space-Time Block Codes. IEEE Transactions on Signal Processing, 2010, 58, 5819-5834.	3.2	7
201	Multi-Channel Opportunistic Access Based on Primary ARQ Messages Overhearing. , 2011, , .		7
202	Blind Multiuser Detection for Synchronous High Rate Space-Time Block Coded Transmission. IEEE Transactions on Wireless Communications, 2011, 10, 2171-2185.	6.1	7
203	Adaptive precoding for femtocell interference mitigation. , 2012, , .		7
204	Shadow Chasing : A Resource Allocation Scheme For Heterogeneous Networks. , 2012, , .		7
205	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
206	An Integrated Linear Programming Receiver for LDPC Coded MIMO-OFDM Signals. IEEE Transactions on Communications, 2013, 61, 2816-2827.	4.9	7
207	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
208	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
209	Joint detection and decoding of LDPC coded distributed space-time signaling in wireless relay networks via linear programming. , 2014, , .		7
210	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
211	Low-Rank Matrix Completion for Mobile Edge Caching in Fog-RAN via Riemannian Optimization. , 2016, , .		7
212	D2D Neighbor Discovery and Resource Scheduling through Demodulation Reference Signal. , 2016, , .		7
213	Scheduling and Power Allocation for Hybrid Access Cognitive Femtocells. IEEE Transactions on Wireless Communications, 2017, 16, 2520-2533.	6.1	7
214	Low-Rank Optimization for Data Shuffling in Wireless Distributed Computing. , 2018, , .		7
215	Topology Inference of Unknown Networks Based on Robust Virtual Coordinate Systems. IEEE/ACM Transactions on Networking, 2019, 27, 405-418.	2.6	7
216	Accommodating LAA Within IEEE 802.11ax WiFi Networks for Enhanced Coexistence. IEEE Transactions on Wireless Communications, 2020, 19, 7621-7636.	6.1	7

#	ARTICLE	IF	CITATIONS
217	Data Broker: Dynamic Multi-Hop Routing Protocol in Blockchain Radio Access Network. IEEE Communications Letters, 2021, 25, 4000-4004.	2.5	7
218	End-to-End Image Classification and Compression With Variational Autoencoders. IEEE Internet of Things Journal, 2022, 9, 21916-21931.	5.5	7
219	CMA beamforming for multipath correlated sources. , 0, , .		6
220	Blind CMA beamforming for narrowband signals with multipath arrivals. International Journal of Adaptive Control and Signal Processing, 1998, 12, 157-172.	2.3	6
221	Blind adaptive decision feedback equalization: a class of channels resulting in ill-convergence from a zero initialization. International Journal of Adaptive Control and Signal Processing, 1998, 12, 173-193.	2.3	6
222	A new algorithm for QAM signal classification in AWGN channels. , 0, , .		6
223	A Novel Channel-Identification Method for Wireless Communication Systems. IEEE Transactions on Communications, 2004, 52, 1767-1776.	4.9	6
224	Blind Multiuser Detection for Long-Code CDMA Systems with Transmission-Induced Cyclostationarity. Eurasip Journal on Wireless Communications and Networking, 2005, 2005, 1.	1.5	6
225	Forward link channel estimation and precoding based on decimated feedback. IEEE Signal Processing Letters, 2005, 12, 445-448.	2.1	6
226	Efficient Algorithms for Resource Allocation in Heterogeneous OFDMA Networks. , 2008, , .		6
227	Robust and Low Complexity Source Localization in Wireless Sensor Networks Using Time Difference of Arrival Measurement. , 2010, , .		6
228	A convex optimization approach to reducing peak-to-average-power ratio in OFDM. , 2011, , .		6
229	On linear precoding of non-regenerative MIMO relays for QAM inputs. , 2012, , .		6
230	Diversity combining in wireless relay networks with partial channel state information. , 2015, , .		6
231	Transport Capacity Analysis of Wireless In-Band Full Duplex Ad Hoc Networks. IEEE Transactions on Communications, 2017, 65, 1303-1318.	4.9	6
232	On Linear Precoding of Nonregenerative MIMO Relay Networks for Finite-Alphabet Source. IEEE Transactions on Vehicular Technology, 2017, 66, 9761-9775.	3.9	6
233	Hypergraph-Based Image Processing. , 2020, , .		6
234	Improving Deep Learning Classification of JPEG2000 Images Over Bandlimited Networks. , 2020, , .		6

#	ARTICLE	IF	CITATIONS
235	Fiber-Enabled Optical Wireless Communications With Full Beam Coverage. IEEE Transactions on Communications, 2021, 69, 3207-3221.	4.9	6
236	Zero-forcing equalizability of FIR and IIR multichannel systems with and without perfect measurements. IEEE Transactions on Communications, 2000, 48, 17-22.	4.9	5
237	Turbo equalization for EDGE system with DDF-SOVA. , 2001, , .		5
238	Channel estimation under space-time block-coded transmission. , 0, , .		5
239	Nonminimum-phase fir channel estimation using cumulant matrix pencils. IEEE Transactions on Signal Processing, 2003, 51, 2310-2320.	3.2	5
240	Multicarrier channel shortening based on second-order output statistics. , 0, , .		5
241	Joint channel identification in punctured hybrid ARQ retransmissions. , 2004, , .		5
242	Capacity and Linear Precoding for Packet Retransmissions. , 0, , .		5
243	Retransmission diversity schemes for multicarrier modulations. IEEE Transactions on Wireless Communications, 2006, 5, 1142-1147.	6.1	5
244	A BICM Approach to Type-II Hybrid ARQ. , 0, , .		5
245	A blind channel shortening criterion based on high-order cumulants. , 2010, , .		5
246	Optimum sensor placement for localization under log-normal shadowing. , 2010, , .		5
247	Power control and resource allocation for capacity improvement in picocell downlinks. , 2012, , .		5
248	Design of dual-access-technology femtocells in enterprise environments. , 2013, , .		5
249	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
250	Beam division multiple access for massive MIMO downlink transmission. , 2015, , .		5
251	A Convex Relaxation Approach to Higher-Order Statistical Approaches to Signal Recovery. IEEE Transactions on Vehicular Technology, 2016, , 1-1.	3.9	5
252	Monotonic optimization for power control of D2D underlay with partial CSI. , 2016, , .		5

#	ARTICLE	IF	CITATIONS
253	Modulation Design for Two-Way Amplify-and-Forward Relay HARQ. IEEE Wireless Communications Letters, 2016, 5, 244-247.	3.2	5
254	LTE Multimedia Broadcast Multicast Service Provisioning Based on Robust Header Compression. , 2017, , .		5
255	LTE Multimedia Broadcast Multicast Service Provisioning Based on Robust Header Compression. IEEE Transactions on Wireless Communications, 2018, 17, 1161-1172.	6.1	5
256	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
257	Networked Optical Massive MIMO Communications. IEEE Transactions on Wireless Communications, 2020, 19, 5575-5588.	6.1	5
258	Joint PSK Data Detection and Channel Estimation Under Frequency Selective Sparse Multipath Channels. IEEE Transactions on Communications, 2020, 68, 2726-2739.	4.9	5
259	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
260	Deep Learning Phase Compression for MIMO CSI Feedback by Exploiting FDD Channel Reciprocity. IEEE Wireless Communications Letters, 2021, 10, 2200-2204.	3.2	5
261	mmWave Beamforming using Photonic Signal Processing for Future 5G Mobile Systems. , 2018, , .		5
262	Point Cloud Resampling via Hypergraph Signal Processing. IEEE Signal Processing Letters, 2021, 28, 2117-2121.	2.1	5
263	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
264	New blind/semi-blind equalization algorithms for GSM systems. , 0, , .		4
265	Invertibility of sampled data systems. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2000, 47, 279-289.	0.1	4
266	Channel estimation of long-code CDMA systems utilizing transmission induced cyclostationarity. , 0, , .		4
267	Performance evaluation of optical CDMA networks with random media access schemes. , 2005, , .		4
268	Blind Channel Equalization Based on Second Order Statistics. , 0, , .		4
269	A Low Complexity Maximum Likelihood Algorithm for Targets DOA Tracking. , 2006, , .		4
270	Fundamental Principles and Applications of Particle Filters. , 2006, , .		4



#	ARTICLE	IF	CITATIONS
271	Fast Network Component Analysis for Gene Regulation Networks. IEEE International Workshop on Machine Learning for Signal Processing, 2007, , .	0.0	4
272	Source Localization from Received Signal Strength Under Log-Normal Shadowing: Bias and Variance. , 2009, , .		4
273	Blind detection of high rate orthogonal space-time block codes. , 2009, , .		4
274	On Precoder Design for Amplify-and-Forward MIMO Relay Systems. , 2011, , .		4
275	Maximizing lifetime in multi-source multi-relay non-regenerative OFDM networks. , 2012, , .		4
276	Joint optimization of source and relay precoding in non-regenerative MIMO relay systems. Wireless Communications and Mobile Computing, 2013, 13, 1571-1585.	0.8	4
277	On Efficient Utilization of Training Pilots for Linear Equalization of QAM Transmissions. IEEE Transactions on Communications, 2013, 61, 4984-4996.	4.9	4
278	Optimal linear cooperation for signal classification. , 2016, , .		4
279	Sparse Blind Demixing for Low-latency Signal Recovery in Massive IoT Connectivity. , 2019, , .		4
280	Hash Access in Blockchain Radio Access Networks: Characterization and Optimization. IEEE Internet of Things Journal, 2022, 9, 8053-8066.	5.5	4
281	A simple cumulant based approach for multiuser channel identification. , 0, , .		3
282	Decision feedback equalization using fractionally spaced feedback filtering and vector quantization. , 0, , .		3
283	Interference cancellation and blind equalization for linear multi-user systems. , 0, , .		3
284	A cumulant subspace approach to FIR multiuser channel estimation. , 0, , .		3
285	Contradictory block arbitration for bi-directional decision feedback equalizers. , 0, , .		3
286	Flat fading channel estimation under generic linear space-time block coded transmissions. , 2004, , .		3
287	Space-Time Diversity Design for Blind Estimation and Equalization over Frequency Selective Channels. , 0, , .		3
288	Design and analysis of coordinated access schemes for code-limited optical-CDMA networks. , 2005, , .		3

#	ARTICLE	IF	CITATIONS
289	Robust Precoder Design for MIMO Packet Retransmissions Over Imperfectly Known Flat-Fading Channels. , 2006, , .		3
290	WLC11-3: Downlink MIMO Channel Estimation for Transmission Precoding. IEEE Global Telecommunications Conference (GLOBECOM), 2006, , .	0.0	3
291	Two-User 150-km Field Fiber Security Enhanced SPECTS O-CDMA Transmission. IEEE Photonics Technology Letters, 2007, 19, 852-854.	1.3	3
292	Silicon microring resonator-based reconfigurable optical lattice filter for on-chip optical signal processing. , 2009, , .		3
293	Downlink wireless channel estimation for linear MIMO transmission precoding. IEEE Transactions on Communications, 2009, 57, 1151-1161.	4.9	3
294	Optimum routing protection against cumulative eavesdropping in multihop wireless networks. , 2009, , .		3
295	On Steepest Descent Adaptation: A Novel Batch Implementation of Blind Equalization Algorithms. , 2010, , .		3
296	Shadow chasing enhancement in resource allocation for heterogeneous networks. , 2012, , .		3
297	On TDD cross-tier in-band interference mitigation: a practical example. , 2012, , .		3
298	Linear programming based joint detection of LDPC coded MIMO systems. , 2012, , .		3
299	Impact of Base Station Time Synchronization Mismatch on Almost Blank Subframes. IEEE Communications Letters, 2013, 17, 2092-2095.	2.5	3
300	Outage constrained joint precoding for D2D underlay cellular networks. , 2013, , .		3
301	Time domain bi-level downlink power control for cross-tier interference mitigation in HetNet. , 2013, , .		3
302	Power control and rate allocation for outage balancing in femtocell networks. , 2014, , .		3
303	On the Sum Rate of Fair Resource Allocation With Selective Feedback. IEEE Transactions on Wireless Communications, 2016, 15, 5193-5205.	6.1	3
304	Modulation Design for MIMO-CoMP HARQ. IEEE Communications Letters, 2017, 21, 290-293.	2.5	3
305	IP packet header compression and user grouping for LTE Multimedia Broadcast Multicast Services. , 2017, , .		3
306	Finding Link Topology of Large Scale Networks from Anchored Hop Count Reports. , 2017, , .		3

#	ARTICLE	IF	CITATIONS
307	Low Complexity Header Compression with Lower-Layer Awareness for Wireless Networks. , 2019, , .		3
308	A Novel Spatial CCK Modulation Design for Underwater Acoustic Communications. IEEE Transactions on Vehicular Technology, 2019, 68, 6192-6196.	3.9	3
309	Higher order statistical approach for channel estimation using matrix pencils. , 0, , .		2
310	Blind SIMO channel estimation for CPM using the Laurent approximation. , 0, , .		2
311	Low-complexity iterative equalization for EDGE with bidirectional processing. IEEE Transactions on Wireless Communications, 2005, 4, 1963-1968.	6.1	2
312	MIMO channel estimation based on ambiguity resistant filtering and decimated feedback. , 2005, , .		2
313	CTH02-2: Cyclic Codes for Correcting Bursts of Errors or Erasures With Iterative Decoding. IEEE Global Telecommunications Conference (GLOBECOM), 2006, , .	0.0	2
314	OPN04-4: Space-Time Coded Modulation and Detection in Coherent Freespace Optical Communications. IEEE Global Telecommunications Conference (GLOBECOM), 2006, , .	0.0	2
315	Transmit Delay Structure Design for Blind Channel Estimation over Multipath Channels. Eurasip Journal on Wireless Communications and Networking, 2007, 2007, 1.	1.5	2
316	A new optimization algorithm for network component analysis based on convex programming. , 2009, , .		2
317	Joint transmission using global codeword and codebook design for coordinated multipoint processing (CoMP). , 2012, , .		2
318	Inference-driven dynamic access scheme for interference management in heterogeneous networks. , 2013, , .		2
319	On efficient use of pilot symbols for multi-path channel equalization of QAM signals. , 2013, , .		2
320	A Resource Allocation Scheme for Heterogeneous Networks Using Dynamic Programming Approach. , 2014, , .		2
321	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
322	Opportunistic interference avoidance scheduling for underlay cognitive radio networks. , 2014, , .		2
323	Cognitive Femtocell Scheduling and Power Allocation Based on Channel Quality Report. , 2015, , .		2
324	Joint power and rate optimization for co-channel small cells using Frank-Wolfe algorithm. , 2016, , .		2

#	ARTICLE	IF	CITATIONS
325	Spatial CCK Modulation and Iterative Detection Over Frequency-Selective Fading Channels. IEEE Wireless Communications Letters, 2017, 6, 506-509.	3.2	2
326	A Markovian ROHC Control Mechanism Based on Transport Block Link Model in LTE Networks. , 2018, , .		2
327	On Non-Intrusive Coexistence of eLAA and Legacy WiFi Networks. , 2019, , .		2
328	Low-Overhead Multi-Antenna-Enabled Random Access for Machine-Type Communications with Low Mobility. , 2019, , .		2
329	Random Interleaving Pattern Identification From Interleaved Reed-Solomon Code Symbols. IEEE Transactions on Communications, 2022, 70, 5059-5070.	4.9	2
330	A reduced-state Viterbi algorithm for blind sequence estimation of DPSK sources. , 0, , .		1
331	Cumulant matrix subspace algorithms for blind single FIR channel identification. , 0, , .		1
332	Blind MMSE CDMA detection in multipath channels. , 0, , .		1
333	A nonparametric phase estimation method for SIMO systems based on second-order and higher order statistics. IEEE Transactions on Signal Processing, 1999, 47, 843-847.	3.2	1
334	FIR multichannel identification using weighted cumulant matrix. , 0, , .		1
335	Receiver design for type-I hybrid ARQ scheme in frequency-selective fading channels. , 2001, , .		1
336	Error propagation in blind sequence estimation. IEEE Communications Letters, 2002, 6, 265-267.	2.5	1
337	Joint data compression and error protection for collaborative transmission. , 0, , .		1
338	Integration of Hybrid ARQ and Space-Time Coding through Embedded Quasi-Orthogonal Block Codes. , 2006, , .		1
339	Semi-Coherent Detection for Differential Space-Time Codes. , 2006, , .		1
340	CTH07-3: Optimal Linear Transceiver Design for MIMO Flat Fading Channels Exploiting Channel Mean Feedback. IEEE Global Telecommunications Conference (GLOBECOM), 2006, , .	0.0	1
341	Scalable MIMO ARQ Retransmission using Differential Space-Time Block Codes. , 2007, , .		1
342	Performance Analysis of a Forward Link Channel Estimation Method for Wireless Multicarrier Systems. IEEE Transactions on Wireless Communications, 2008, 7, 3026-3035.	6.1	1

#	ARTICLE	IF	CITATIONS
343	Source localization using a maximum likelihood/semidefinite programming hybrid. , 2008, , .		1
344	A Convex Optimization Approach to Blind Channel Shortening in Multicarrier Modulations. , 2009, , .		1
345	Nonnegative Network Component Analysis by Linear Programming for Gene Regulatory Network Reconstruction. Lecture Notes in Computer Science, 2009, , 395-402.	1.0	1
346	Fully reconfigurable silicon CMOS photonic lattice filters. , 2010, , .		1
347	Joint Symbol Timing and Channel Estimation in Two-Way Multiple Antenna Relay Networks. , 2012, , .		1
348	Cooperative multi-cell MIMO downlink precoding for finite-alphabet inputs. , 2014, , .		1
349	Joint Offset and Power Optimization for Visible Light DCO-OFDM Systems. , 2015, , .		1
350	On Transport Capacity of Full Duplex Ad Hoc Networks. , 2015, , .		1
351	Resource allocation in mixed mode Device-to-Device communications. , 2015, , .		1
352	Higher Rank Interference Effect on Weak Beamforming or OSTBC Terminals. IEEE Transactions on Wireless Communications, 2015, 14, 4948-4957.	6.1	1
353	Biased Beamforming for Multi-LED OFDM in Visible Light Communications. , 2017, , .		1
354	Generalized matrix completion for low complexity transceiver processing in cache-aided Fog-RAN via the Burer-Monteiro approach. , 2017, , .		1
355	The Design of Transport Block-Based ROHC U-Mode for LTE Multicast. , 2018, , .		1
356	Joint Turbo Receiver for LDPC-Coded MIMO Systems Based on Semi-Definite Relaxation. , 2018, , .		1
357	Femtocell Scheduling as a Restless Multiarmed Bandit Problem Using Partial Channel State Observation. , 2018, , .		1
358	Access Control and Pilot Allocation for Machine-Type Communications in Crowded Massive MIMO Systems. Symmetry, 2019, 11, 1272.	1.1	1
359	High Rate CCK Modulation Design for Bandwidth Efficient Link Adaptation. IEEE Wireless Communications Letters, 2019, 8, 496-499.	3.2	1
360	Low-Overhead Joint Beam-Selection and Random-Access Schemes for Massive Internet-of-Things with Non-Uniform Channel and Load. , 2020, , .		1

#	ARTICLE	IF	CITATIONS
361	Optimal Linear Cooperation for Signal Classification in Cognitive Communication Networks. IEEE Transactions on Wireless Communications, 2020, 19, 3144-3155.	6.1	1
362	First Demonstration of FPGA-based Hitless Flexible Receiver with Blind Modulation Format Identification. , 2018, , .		1
363	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
364	Point Cloud Segmentation based on Hypergraph Spectral Clustering. , 2020, , .		1
365	Deep Learning for Partial MIMO CSI Feedback by Exploiting Channel Temporal Correlation. , 2021, , .		1
366	Analysis of Pooling Principle in Blockchain Radio Access Network. , 2022, , .		1
367	Array beamforming for long code CDMA under carrier drift. , 0, , .		0
368	Linear blind channel equalization for GSM systems. , 0, , .		0
369	Blind linear equalization for GSM signals in a mobile environment. , 0, , .		0
370	Zero-forcing equalizability of FIR and IIR multi-channel systems with and without perfect measurements. , 0, , .		0
371	Blind ISI cancellation by anchoring an arbitrary impulse response coefficient of channels. , 0, , .		0
372	Robust CDMA signal detection in the presence of user and interference signature mismatch. , 0, , .		0
373	A simple iterative bi-directional equalization for EDGE wireless systems. , 0, , .		0
374	Effective ARQ protocols using adaptive modulation and symbol mapping diversity. , 0, , .		0
375	A novel channel identification method for fast wireless communication systems with transmitter and receiver diversity. , 0, , .		0
376	Multuser Channel Estimation from Higher-Order Statistical Matrix Pencil. Eurasip Journal on Advances in Signal Processing, 2003, 2002, 1.	1.0	0
377	Joint data compression and error protection over wireless fading channels using LDPC codes. , 0, , .		0
378	Joint semi-blind channel identification in punctured ARQ retransmissions. , 0, , .		0

#	ARTICLE	IF	CITATIONS
379	Channel identification and signal separation for long-code CDMA systems using multistep linear prediction method. , 2004, , .		0
380	Simple ARQ mapping diversity and sphere decoding in MIMO wireless communications. , 0, , .		0
381	Simple ARQ mapping diversity and sphere decoding in MIMO wireless communications. , 0, , .		0
382	Joint Data Detection for Punctured ARQ Diversity Systems. , 0, , .		0
383	Iterative Design of MIMO ARQ Transceiver for Decision Feedback Detection. , 2006, , .		0
384	Channel Estimation and Bit-loading in Wireless Multicarrier Systems Based on Decimated Signal Feedback. , 2006, , .		0
385	Priority Collision Resolution - Distributed Coordination Function for Distributed Wireless Networks. , 2007, , .		0
386	Precoder design for MIMO broadcast channels with power leakage constraints. , 2009, , .		0
387	On carrier nulling approaches for channel shortening in OFDMA systems. , 2010, , .		0
388	Iterative InterCarrier Interference mitigation for mobile MIMO-OFDM systems. , 2011, , .		0
389	Design optimization of linear precoders for complex vector gaussian channels with finite alphabet inputs. , 2011, , .		0
390	Linear MIMO precoding in multi-antenna wiretap channels for finite-alphabet data. , 2012, , .		0
391	Linear precoding of finite alphabet signals in multi-antenna broadcast channels. , 2012, , .		0
392	Urban source localization based on time of arrival measurement and street information. , 2012, , .		0
393	A Low-Complexity Algorithm for Worst-Case Utility Maximization in Multiuser MISO Downlink. , 2013, , .		0
394	Outage constrained transmission optimization for MISO two-tier femtocell networks. , 2013, , .		0
395	Outage Constrained Robust Transmit Beamforming for Limited Feedback Multiuser MIMO Downlinks. , 2013, , .		0
396	Linear precoder designs over MIMO interference channels with finite-alphabet inputs. , 2013, , .		0

#	ARTICLE	IF	CITATIONS
397	On Transport Capacity of Full Duplex Ad Hoc Networks. , 2014, , .		0
398	Joint Offset and Power Optimization for Visible Light DCO-OFDM Systems. , 2014, , .		0
399	Cognitive Femtocell Scheduling and Power Allocation Based on Channel Quality Report. , 2014, , .		0
400	Power imbalance induced BER performance loss under limited-feedback CoMP techniques. Eurasip Journal on Wireless Communications and Networking, 2016, 2016, .	1.5	0
401	A low-rank approach for interference management in dense wireless networks. , 2016, , .		0
402	Joint Channel Estimation and Detection of High Rate CCK Signaling in Underwater Communications. , 2017, , .		0
403	Low Complexity Node Clustering in Cloud-RAN for Service Provisioning and Resource Allocation. , 2017, , .		0
404	Robust Online Social Network Inference. , 2019, , .		0
405	PIS: Wearable Pedal Iontronic Sensing for Arterial Pulses and Muscular Activities. , 2019, , .		0
406	Cooperation in Cognitive Cellular Heterogeneous Networks. , 2019, , 1413-1444.		0
407	Cooperation in Cognitive Cellular Heterogeneous Networks. , 2017, , 1-32.		0
408	Optimization of Workload Balancing and Power Allocation for Wireless Distributed Computing. IEEE Transactions on Wireless Communications, 2022, 21, 7682-7695.	6.1	0
409	Robust Precoding for 3D Massive MIMO with Riemannian Manifold Optimization. , 2022, , .		0