Linglong Dai

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.

192 papers	10,868 citations	52 h-index	102 g-index
210 ext. papers	13,983 ext. citations	5.8 avg, IF	7.1 L-index

#	Paper	IF	Citations
192	Triple-structured Sparsity-based Channel Feedback for RIS-assisted MU-MIMO System. *IEEE Communications Letters*, **2022**, 1-1	3.8	2
191	Channel Estimation for Extremely Large-Scale MIMO: Far-Field or Near-Field?. *IEEE Transactions on Communications*, **2022**, 1-1	6.9	14
190	Reconfigurable Intelligent Surface Empowered Optimization for Spectrum Sharing: Scenarios and Methods. *IEEE Vehicular Technology Magazine*, **2022**, 2-9	9.9	3
189	End-to-End Learning for RIS-Aided Communication Systems. *IEEE Transactions on Vehicular Technology*, **2022**, 1-1	6.8	0
188	Residual-Aided End-to-End Learning of Communication System without Known Channel. *IEEE Transactions on Cognitive Communications and Networking*, **2022**, 1-1	6.6	1
187	Active Reconfigurable Intelligent Surface: Fully-Connected or Sub-Connected?. *IEEE Communications Letters*, **2021**, 1-1	3.8	19
186	Compact User-Specific Reconfigurable Intelligent Surfaces for Uplink Transmission. *IEEE Transactions on Communications*, **2021**, 1-1	6.9	8
185	Channel Estimation for Extremely Large-Scale Massive MIMO: Far-Field, Near-Field, or Hybrid-Field?. *IEEE Communications Letters*, **2021**, 1-1	3.8	3
184	Channel Feedback in TDD Massive MIMO Systems with Partial Reciprocity. *IEEE Transactions on Vehicular Technology*, **2021**, 1-1	6.8	3
183	Channel Estimation for RIS Assisted Wireless Communications—Part I: Fundamentals, Solutions, and Future Opportunities. *IEEE Communications Letters*, **2021**, 25, 1398-1402	3.8	23
182	Channel Estimation for RIS Assisted Wireless Communications—Part II: An Improved Solution Based on Double-Structured Sparsity. *IEEE Communications Letters*, **2021**, 25, 1403-1407	3.8	35
181	Wideband Beam Tracking in THz Massive MIMO Systems. *IEEE Journal on Selected Areas in Communications*, **2021**, 39, 1693-1710	14.2	22
180	End-to-End Learning of Communication System without Known Channel **2021**,		2
179	Deep Learning for Beamspace Channel Estimation in Millimeter-Wave Massive MIMO Systems. *IEEE Transactions on Communications*, **2021**, 69, 182-193	6.9	32
178	Joint Transceiver and Large Intelligent Surface Design for Massive MIMO mmWave Systems. *IEEE Transactions on Wireless Communications*, **2021**, 20, 1052-1064	9.6	32
177	Dimension Reduced Channel Feedback for Reconfigurable Intelligent Surface Aided Wireless Communications. *IEEE Transactions on Communications*, **2021**, 1-1	6.9	9
176	A Joint Precoding Framework for Wideband Reconfigurable Intelligent Surface-Aided Cell-Free Network. *IEEE Transactions on Signal Processing*, **2021**, 69, 4085-4101	4.8	44

175	Max-Min Fairness for Beamspace MIMO-NOMA: From Single-Beam to Multi-Beam. *IEEE Transactions on Wireless Communications*, **2021**, 1-1	9.6	2
174	Two-Timescale Channel Estimation for Reconfigurable Intelligent Surface Aided Wireless Communications. *IEEE Transactions on Communications*, **2021**, 1-1	6.9	59
173	Near-Field Channel Estimation for Extremely Large-scale MIMO with Hybrid Precoding **2021**,		2
172	Reconfigurable Intelligent Surface-Based Wireless Communications: Antenna Design, Prototyping, and Experimental Results. *IEEE Access*, **2020**, 8, 45913-45923	3.5	190
171	Partially Coherent Compressive Phase Retrieval for Millimeter-Wave Massive MIMO Channel Estimation. *IEEE Transactions on Signal Processing*, **2020**, 68, 1673-1687	4.8	9
170	Channel Feedback for Reconfigurable Intelligent Surface Assisted Wireless Communications **2020**,		2
169	On the Max-Min Fairness of Beamspace MIMO-NOMA. *IEEE Transactions on Signal Processing*, **2020**, 68, 4919-4932	4.8	10
168	Capacity Improvement in Wideband Reconfigurable Intelligent Surface-Aided Cell-Free Network **2020**,		25
167	Deep Learning for Wireless Communications: An Emerging Interdisciplinary Paradigm. *IEEE Wireless Communications*, **2020**, 27, 133-139	13.4	21
166	Channel Estimation for Orthogonal Time Frequency Space (OTFS) Massive MIMO **2019**,		7
165	. *IEEE Transactions on Communications*, **2019**, 67, 5024-5036	6.9	69
164	Optimal 3D-Trajectory Design and Resource Allocation for Solar-Powered UAV Communication Systems. *IEEE Transactions on Communications*, **2019**, 67, 4281-4298	6.9	188
163	Wideband Beamspace Channel Estimation for Millimeter-Wave MIMO Systems Relying on Lens Antenna Arrays. *IEEE Transactions on Signal Processing*, **2019**, 67, 4809-4824	4.8	48
162	Channel Estimation for Orthogonal Time Frequency Space (OTFS) Massive MIMO. *IEEE Transactions on Signal Processing*, **2019**, 67, 4204-4217	4.8	74
161	On the Power Leakage Problem in Millimeter-Wave Massive MIMO With Lens Antenna Arrays. *IEEE Transactions on Signal Processing*, **2019**, 67, 4730-4744	4.8	23
160	Power Allocation for Multi-Beam Max-Min Fairness in Millimeter-Wave Beamspace MIMO-NOMA **2019**,		1
159	Delay-Phase Precoding for THz Massive MIMO with Beam Split **2019**,		23
158	Performance Analysis of Decentralized V2X System with FD-NOMA **2019**,		6

157	Mixed-ADC/DAC Multipair Massive MIMO Relaying Systems: Performance Analysis and Power Optimization. *IEEE Transactions on Communications*, **2019**, 67, 140-153	6.9	88
156	Hybrid Precoding-Based Millimeter-Wave Massive MIMO-NOMA With Simultaneous Wireless Information and Power Transfer. *IEEE Journal on Selected Areas in Communications*, **2019**, 37, 131-141	14.2	144
155	Low RF-Complexity Technologies to Enable Millimeter-Wave MIMO with Large Antenna Array for 5G Wireless Communications. *IEEE Communications Magazine*, **2018**, 56, 211-217	9.1	107
154	Relay Hybrid Precoding Design in Millimeter-Wave Massive MIMO Systems. *IEEE Transactions on Signal Processing*, **2018**, 66, 2011-2026	4.8	29
153	. *IEEE Wireless Communications*, **2018**, 25, 144-153	13.4	122
152	Millimeter-Wave Massive MIMO Communication for Future Wireless Systems: A Survey. *IEEE Communications Surveys and Tutorials*, **2018**, 20, 836-869	37.1	267
151	. *IEEE Transactions on Communications*, **2018**, 66, 2642-2657	6.9	38
150	Channel Feedback Codebook Design for Millimeter-Wave Massive MIMO Systems Relying on Lens Antenna Array. *IEEE Wireless Communications Letters*, **2018**, 7, 736-739	5.9	9
149	Channel Feedback Based on AoD-Adaptive Subspace Codebook in FDD Massive MIMO Systems. *IEEE Transactions on Communications*, **2018**, 66, 5235-5248	6.9	51
148	A Survey of Non-Orthogonal Multiple Access for 5G. *IEEE Communications Surveys and Tutorials*, **2018**, 20, 2294-2323	37.1	501
147	Introduction to the Issue on Hybrid AnalogDigital Signal Processing for Hardware-Efficient Large Scale Antenna Arrays (Part II). *IEEE Journal on Selected Topics in Signal Processing*, **2018**, 12, 419-421	7.5	1
146	Nonorthogonal Multiple Access for 5G **2018**, 135-204		2
145	How to Interconnect for Massive Mimo Self-Calibration? **2018**,		1
144	Beamspace Channel Estimation for Wideband Millimeter-Wave MIMO with Lens Antenna Array **2018**,		13
143	On Low-Resolution ADCs in Practical 5G Millimeter-Wave Massive MIMO Systems. *IEEE Communications Magazine*, **2018**, 56, 205-211	9.1	150
142	Geometric mean decomposition based hybrid precoding for millimeter-wave massive MIMO. *China Communications*, **2018**, 15, 229-238	3	25
141	Super-Resolution Channel Estimation for MmWave Massive MIMO With Hybrid Precoding. *IEEE Transactions on Vehicular Technology*, **2018**, 67, 8954-8958	6.8	59
140	Weighted-Graph-Coloring-Based Pilot Decontamination for Multicell Massive MIMO Systems. *IEEE Transactions on Vehicular Technology*, **2017**, 66, 2829-2834	6.8	45

139	Near-Optimal Signal Detector Based on Structured Compressive Sensing for Massive SM-MIMO. *IEEE Transactions on Vehicular Technology*, **2017**, 66, 1860-1865	6.8	25
138	On the Performance of Channel-Statistics-Based Codebook for Massive MIMO Channel Feedback. *IEEE Transactions on Vehicular Technology*, **2017**, 66, 7553-7557	6.8	19
137	Secure SWIPT Networks Based on a Non-Linear Energy Harvesting Model **2017**,		29
136	NOMA Meets Finite Resolution Analog Beamforming in Massive MIMO and Millimeter-Wave Networks. *IEEE Communications Letters*, **2017**, 21, 1879-1882	3.8	54
135	. *IEEE Journal on Selected Areas in Communications*, **2017**, 35, 1425-1431	14.2	18
134	. *IEEE Transactions on Vehicular Technology*, **2017**, 66, 9214-9225	6.8	2
133	Performance Analysis of Mixed-ADC Massive MIMO Systems Over Rician Fading Channels. *IEEE Journal on Selected Areas in Communications*, **2017**, 35, 1327-1338	14.2	160
132	Performance Analysis of a Hybrid Downlink-Uplink Cooperative NOMA Scheme **2017**,		24
131	On the Performance of NOMA-Based Cooperative Relaying Systems Over Rician Fading Channels. *IEEE Transactions on Vehicular Technology*, **2017**, 66, 11409-11413	6.8	95
130	Machine learning inspired energy-efficient hybrid precoding for mmWave massive MIMO systems **2017**,		89
129	AoD-adaptive subspace codebook for channel feedback in FDD massive MIMO systems **2017**,		11
128	A Novel Low-Complexity Precoding Algorithm for MIMO Cognitive Radio Systems. *Wireless Personal Communications*, **2017**, 97, 5077-5088	1.9	
127	Spectrum and Energy-Efficient Beamspace MIMO-NOMA for Millimeter-Wave Communications Using Lens Antenna Array. *IEEE Journal on Selected Areas in Communications*, **2017**, 35, 2370-2382	14.2	197
126	Optimal spectrum access and power control of secondary users in cognitive radio networks. *Eurasip Journal on Wireless Communications and Networking*, **2017**, 2017,	3.2	4
125	. *IEEE Journal on Selected Areas in Communications*, **2017**, 35, 1909-1935	14.2	486
124	Reliable Beamspace Channel Estimation for Millimeter-Wave Massive MIMO Systems with Lens Antenna Array. *IEEE Transactions on Wireless Communications*, **2017**, 16, 6010-6021	9.6	115
123	Transmission Capacity Analysis of Relay-Assisted Device-to-Device Overlay/Underlay Communication. *IEEE Transactions on Industrial Informatics*, **2017**, 13, 380-389	11.9	43
122	. *IEEE Transactions on Vehicular Technology*, **2017**, 66, 5689-5696	6.8	101

121	Optimal FemtoCell Density for Maximizing Throughput in 5G Heterogeneous Networks under Outage Constraints **2017**,		2
120	Multipair Massive MIMO Two-Way Full-Duplex Relay Systems with Hardware Impairments **2017**,		16
119	A Low-Complexity Hardware-Friendly DFT-Based Channel Estimator for the LTE Uplink Channel. *Wireless Personal Communications*, **2017**, 97, 4813-4825	1.9	0
118	On the Power Leakage Problem in Beamspace MIMO Systems with Lens Antenna Array **2017**,		5
117	Precoding for mmWave massive MIMO **2017**, 79-111		6
116	Channel estimation for mmWave massive MIMO systems **2017**, 113-139		3
115	Introduction to mmWave massive MIMO **2017**, 1-18		11
114	. *IEEE Transactions on Vehicular Technology*, **2016**, 65, 3285-3298	6.8	99
113	Channel estimation for mmWave massive MIMO based access and backhaul in ultra-dense network **2016**,		35
112	Two-stage beamforming training for multi-user millimetre wave systems. *Electronics Letters*, **2016**, 52, 1351-1353	1.1	0
111	Massive MIMO channel estimation based on block iterative support detection **2016**,		2
110	On the spectral efficiency of space-constrained massive MIMO with linear receivers **2016**,		7
109	Dynamic Compressive Sensing-Based Multi-User Detection for Uplink Grant-Free NOMA. *IEEE Communications Letters*, **2016**, 20, 2320-2323	3.8	116
108	Correntropy Induced Metric Penalized Sparse RLS Algorithm to Improve Adaptive System Identification **2016**,		2
107	Dynamic multi-user detection based on structured compressive sensing for IoT-oriented 5G systems **2016**,		2
106	Beamspace channel estimation for millimeter-wave massive MIMO systems with lens antenna array **2016**,		29
105	Energy Efficiency Maximization for Device-to-Device Communication Underlaying Cellular Networks on Multiple Bands. *IEEE Access*, **2016**, 4, 7682-7691	3.5	18
104	Dimmable Visible Light Communications Based on Multilayer ACO-OFDM. *IEEE Photonics Journal*, **2016**, 8, 1-11	1.8	27

103	Joint User Activity and Data Detection Based on Structured Compressive Sensing for NOMA. *IEEE Communications Letters*, **2016**, 1-1	3.8	76
102	Location-Aware Pilot Assignment for Massive MIMO Systems in Heterogeneous Networks. *IEEE Transactions on Vehicular Technology*, **2016**, 65, 6815-6821	6.8	24
101	Ellipse-based DCO-OFDM for visible light communications. *Optics Communications*, **2016**, 360, 1-6	2	11
100	On the Multivariate Gamma□Gamma Distribution With Arbitrary Correlation and Applications in Wireless Communications. *IEEE Transactions on Vehicular Technology*, **2016**, 65, 3834-3840	6.8	34
99	Joint Channel Training and Feedback for FDD Massive MIMO Systems. *IEEE Transactions on Vehicular Technology*, **2016**, 65, 8762-8767	6.8	36
98	Achievable Rate of Rician Large-Scale MIMO Channels With Transceiver Hardware Impairments. *IEEE Transactions on Vehicular Technology*, **2016**, 65, 8800-8806	6.8	63
97	Compressive-Sensing-Based Multiuser Detector for the Large-Scale SM-MIMO Uplink. *IEEE Transactions on Vehicular Technology*, **2016**, 65, 8725-8730	6.8	33
96	Low-Complexity SSOR-Based Precoding for Massive MIMO Systems. *IEEE Communications Letters*, **2016**, 20, 744-747	3.8	31
95	Adaptive Hybrid Precoding for Multiuser Massive MIMO. *IEEE Communications Letters*, **2016**, 20, 776-779	3.8	50
94	On the Spectral Efficiency of Massive MIMO Systems With Low-Resolution ADCs. *IEEE Communications Letters*, **2016**, 20, 842-845	3.8	163
93	Improved Receiver Design for Layered ACO-OFDM in Optical Wireless Communications. *IEEE Photonics Technology Letters*, **2016**, 28, 319-322	2.2	25
92	Near-Optimal Low-Complexity Sequence Detection for Clipped DCO-OFDM. *IEEE Photonics Technology Letters*, **2016**, 28, 233-236	2.2	18
91	Structured Compressive Sensing-Based Spatio-Temporal Joint Channel Estimation for FDD Massive MIMO. *IEEE Transactions on Communications*, **2016**, 64, 601-617	6.9	123
90	A Tight Upper Bound on Channel Capacity for Visible Light Communications. *IEEE Communications Letters*, **2016**, 20, 97-100	3.8	34
89	. *IEEE Transactions on Vehicular Technology*, **2016**, 65, 5731-5737	6.8	58
88	On the design of MAC protocol and transmission scheduling for Internet of Things **2016**,		4
87	Priori-aided channel tracking for millimeter-Wave beamspace massive MIMO systems **2016**,		10
86	Beamspace channel estimation for 3D lens-based millimeter-wave massive MIMO systems **2016**,		8

85	. *IEEE Journal on Selected Areas in Communications*, **2016**, 34, 998-1009	14.2	563
84	Near-Optimal Beam Selection for Beamspace MmWave Massive MIMO Systems. *IEEE Communications Letters*, **2016**, 20, 1054-1057	3.8	154
83	MIMO-NOMA Design for Small Packet Transmission in the Internet of Things. *IEEE Access*, **2016**, 4, 1393-1405	3.9	174
82	Channel Estimation for Millimeter-Wave Massive MIMO With Hybrid Precoding Over Frequency-Selective Fading Channels. *IEEE Communications Letters*, **2016**, 20, 1259-1262	3.8	171
81	BICM-ID scheme for clipped DCO-OFDM in visible light communications. *Optics Express*, **2016**, 24, 4573-4581	3.8	11
80	Multi-User Sum-Rate Optimization for Visible Light Communications With Lighting Constraints. *Journal of Lightwave Technology*, **2016**, 34, 3943-3952	4	35
79	Asymmetrical Hybrid Optical OFDM for Visible Light Communications With Dimming Control. *IEEE Photonics Technology Letters*, **2015**, 27, 974-977	2.2	85
78	Unified Performance Analysis of Mixed Radio Frequency/Free-Space Optical Dual-Hop Transmission Systems. *Journal of Lightwave Technology*, **2015**, 33, 2286-2293	4	92
77	On the Ergodic Capacity of MIMO Free-Space Optical Systems Over Turbulence Channels. *IEEE Journal on Selected Areas in Communications*, **2015**, 33, 1925-1934	14.2	43
76	Smart Pilot Assignment for Massive MIMO. *IEEE Communications Letters*, **2015**, 19, 1644-1647	3.8	134
75	Sparsity-Aware Adaptive Channel Estimation Based on SNR Detection. *IEEE Transactions on Broadcasting*, **2015**, 61, 119-126	4.7	7
74	. *IEEE Communications Magazine*, **2015**, 53, 74-81	9.1	1616
73	. *IEEE Transactions on Signal Processing*, **2015**, 63, 6169-6183	4.8	330
72	Coded MIMO With Asymmetric Constellation Sizes. *IEEE Transactions on Vehicular Technology*, **2015**, 64, 4338-4344	6.8	
71	Compressive sensing-based differential channel feedback for massive MIMO. *Electronics Letters*, **2015**, 51, 1824-1826	1.1	9
70	MmWave massive-MIMO-based wireless backhaul for the 5G ultra-dense network. *IEEE Wireless Communications*, **2015**, 22, 13-21	13.4	256
69	Downlink training scheme for massive MIMO systems. *Electronics Letters*, **2015**, 51, 2059-2060	1.1	0
68	Block compressive channel estimation and feedback for FDD massive MIMO **2015**,		6

67	An optimal scaling scheme for DCO-OFDM based visible light communications. *Optics Communications*, **2015**, 356, 136-140	2	16
66	Low-Complexity Soft-Output Signal Detection Based on Gauss□Seidel Method for Uplink Multiuser Large-Scale MIMO Systems. *IEEE Transactions on Vehicular Technology*, **2015**, 64, 4839-4845	6.8	167
65	Near-optimal hybrid analog and digital precoding for downlink mmWave massive MIMO systems **2015**,		50
64	. *IEEE Journal on Selected Areas in Communications*, **2015**, 33, 1903-1912	14.2	27
63	Asymptotic Orthogonality Analysis of Time-Domain Sparse Massive MIMO Channels. *IEEE Communications Letters*, **2015**, 19, 1826-1829	3.8	34
62	Graph Coloring Based Pilot Allocation to Mitigate Pilot Contamination for Multi-Cell Massive MIMO Systems. *IEEE Communications Letters*, **2015**, 19, 1842-1845	3.8	75
61	Joint CSIT acquisition based on low-rank matrix recovery for FDD massive MIMO systems **2015**,		1
60	Joint channel estimation and feedback with low overhead for FDD massive MIMO systems **2015**,		8
59	Effective Rate Analysis of MISO Systems over □ Fading Channels **2015**,		6
58	Structured Matching Pursuit for Reconstruction of Dynamic Sparse Channels **2015**,		5
57	Spatially correlated channel estimation based on block iterative support detection for massive MIMO systems. *Electronics Letters*, **2015**, 51, 587-588	1.1	11
56	Compressive Sensing Based Multi-User Detection for Uplink Grant-Free Non-Orthogonal Multiple Access **2015**,		39
55	Capacity-approaching linear precoding with low-complexity for large-scale MIMO systems **2015**,		18
54	MDP-based vertical handover scheme for indoor VLC-WiFi systems **2015**,		3
53	Joint CSIT Acquisition Based on Low-Rank Matrix Completion for FDD Massive MIMO Systems. *IEEE Communications Letters*, **2015**, 19, 2178-2181	3.8	59
52	Tracking a dynamic sparse channel via differential orthogonal matching pursuit **2015**,		13
51	Multi-user MIMO-OFDM for indoor visible light communication systems **2015**,		2
50	Location-based channel estimation and pilot assignment for massive MIMO systems **2015**,		30

49	Energy-efficient hybrid precoding based on successive interference cancelation for millimeter-wave massive MIMO systems **2015**,		1
48	Effective capacity of communication systems over shadowed fading channels. *Electronics Letters*, **2015**, 51, 1540-1542	1.1	49
47	Fast variational Bayesian learning for channel estimation with prior statistical information **2015**,		4
46	Temporal correlation based sparse channel estimation for TDS-OFDM in high-speed scenarios **2015**,		2
45	Multiuser MIMO-OFDM for Visible Light Communications. *IEEE Photonics Journal*, **2015**, 7, 1-11	1.8	75
44	Efficient Vertical Handover Scheme for Heterogeneous VLC-RF Systems. *Journal of Optical Communications and Networking*, **2015**, 7, 1172	4.1	56
43	Spectrum-efficient superimposed pilot design based on structured compressive sensing for downlink large-scale MIMO systems **2014**,		2
42	Super-Resolution Sparse MIMO-OFDM Channel Estimation Based on Spatial and Temporal Correlations. *IEEE Communications Letters*, **2014**, 18, 1266-1269	3.8	54
41	Reliable and energy-efficient OFDM based on structured compressive sensing **2014**,		1
40	Compressive Sensing Based Channel Estimation for OFDM Systems Under Long Delay Channels. *IEEE Transactions on Broadcasting*, **2014**, 60, 313-321	4.7	86
39	Structured Matching Pursuit for Reconstruction of Dynamic Sparse Channels **2014**,		1
38	Iterative Receiver for Hybrid Asymmetrically Clipped Optical OFDM. *Journal of Lightwave Technology*, **2014**, 32, 4471-4477	4	21
37	Structured compressive sensing based superimposed pilot design in downlink large-scale MIMO systems. *Electronics Letters*, **2014**, 50, 896-898	1.1	75
36	Low-Complexity MMSE Signal Detection Based on Richardson Method for Large-Scale MIMO Systems **2014**,		31
35	Variable earns profit: Improved adaptive channel estimation using sparse VSS-NLMS algorithms **2014**,		13
34	Low-complexity near-optimal signal detection for uplink large-scale MIMO systems. *Electronics Letters*, **2014**, 50, 1326-1328	1.1	92
33	Matrix inversion-less signal detection using SOR method for uplink large-scale MIMO systems **2014**,		40
32	Spectrally Efficient Time-Frequency Training OFDM for Mobile Large-Scale MIMO Systems. *IEEE Journal on Selected Areas in Communications*, **2013**, 31, 251-263	14.2	145

31	Compressive Sensing Based Time Domain Synchronous OFDM Transmission for Vehicular Communications. *IEEE Journal on Selected Areas in Communications*, **2013**, 31, 460-469	14.2	64
30	TDS-OFDM based HDTV transmission over fast fading channels. *IEEE Transactions on Consumer Electronics*, **2013**, 59, 16-23	4.8	3
29	Flexible Multi-Block OFDM Transmission for High-Speed Fiber-Wireless Networks. *IEEE Journal on Selected Areas in Communications*, **2013**, 31, 788-796	14.2	4
28	Spectrum-Efficient Coherent Optical OFDM for Transport Networks. *IEEE Journal on Selected Areas in Communications*, **2013**, 31, 62-74	14.2	7
27	Spectrum- and Energy-Efficient OFDM Based on Simultaneous Multi-Channel Reconstruction. *IEEE Transactions on Signal Processing*, **2013**, 61, 6047-6059	4.8	78
26	Joint Time-Frequency Channel Estimation for Time Domain Synchronous OFDM Systems. *IEEE Transactions on Broadcasting*, **2013**, 59, 168-173	4.7	11
25	Time domain synchronous OFDM based on simultaneous multi-channel reconstruction **2013**,		3
24	Unified Time-Frequency OFDM Transmission with Self Interference Cancellation. *IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences*, **2013**, E96.A, 807-813	0.4	4
23	Time-Frequency Training OFDM with High Spectral Efficiency and Reliable Performance in High Speed Environments. *IEEE Journal on Selected Areas in Communications*, **2012**, 30, 695-707	14.2	74
22	Wireless Positioning Using TDS-OFDM Signals in Single-Frequency Networks. *IEEE Transactions on Broadcasting*, **2012**, 58, 236-246	4.7	24
21	Priori information aided compressive sensing for time domain synchronous OFDM. *Electronics Letters*, **2012**, 48, 800	1.1	6
20	Next-generation digital television terrestrial broadcasting systems: Key technologies and research trends **2012**, 50, 150-158		107
19	Time domain synchronous OFDM based on compressive sensing: A new perspective **2012**,		5
18	Pilot Design and Channel Estimation for TDS-OFDM System with Transmit Diversity. *IEICE Transactions on Communications*, **2011**, E94-B, 852-855	0.5	1
17	TDS-OFDMA: a novel multiple access system based on TDS-OFDM. *IEEE Transactions on Consumer Electronics*, **2011**, 57, 1528-1534	4.8	2
16	Transmit Diversity for TDS-OFDM Broadcasting System Over Doubly Selective Fading Channels. *IEEE Transactions on Broadcasting*, **2011**, 57, 135-142	4.7	21
15	A Novel Uplink Multiple Access Scheme Based on TDS-FDMA. *IEEE Transactions on Wireless Communications*, **2011**, 10, 757-761	9.6	22
14	Transmit Diversity Scheme for TDS-OFDM Systems with Reduced Complexity **2011**,		1

13	Positioning in Chinese Digital Television Network Using TDS-OFDM Signals **2011**,		2
12	Time-frequency training OFDM. *Electronics Letters*, **2011**, 47, 1128	1.1	1
11	Complexity Reduced Transmit Diversity Scheme for Time Domain Synchronous OFDM Systems. *IEICE Transactions on Communications*, **2011**, E94-B, 3116-3124	0.5	
10	A Novel TDS-FDMA Scheme for Multi-User Uplink Scenarios **2010**,		1
9	TDS-OFDM Transmit Diversity Based on Space-Time Shifted CAZAC Sequence **2010**,		2
8	Positioning with OFDM signals for the next- generation GNSS. *IEEE Transactions on Consumer Electronics*, **2010**, 56, 374-379	4.8	38
7	Joint channel estimation and time-frequency synchronization for uplink TDS-OFDMA systems. *IEEE Transactions on Consumer Electronics*, **2010**, 56, 494-500	4.8	16
6	Secure communication in TDS-OFDM system using constellation rotation and noise insertion. *IEEE Transactions on Consumer Electronics*, **2010**, 56, 1328-1332	4.8	41
5	Joint Code Acquisition and Doppler Frequency Shift Estimation for GPS Signals **2010**,		3
4	Training Sequence Aided MC-CDMA Scheme with High Spectrum Efficiency. *IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences*, **2010**, E93-A, 1857-1860	0.4	
3	A Novel CPR-TDS-OFDM System for High-Speed Mobile Reception. *IEICE Transactions on Communications*, **2010**, E93-B, 788-791	0.5	2
2	A Novel Time Domain Synchronous Orthogonal Frequency Division Multiple Access Scheme **2009**,		2
1	A multi-user uplink TDS-OFDM system based on dual PN sequence padding. *IEEE Transactions on Consumer Electronics*, **2009**, 55, 1098-1106	4.8	6