

# Jian Song

## 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.

158 papers	1,921 citations	22 h-index	38 g-index
223 ext. papers	2,624 ext. citations	4.1 avg, IF	5.38 L-index

#	Paper	IF	Citations
158	Sliding Window Decoding for QC-SC-LDPC Codes Under the Constraint of Implementation Complexity. <i>IEEE Transactions on Broadcasting</i> , <b>2022</b> , 1-12	4.7	0
157	Triple-structured Sparsity-based Channel Feedback for RIS-assisted MU-MIMO System. <i>IEEE Communications Letters</i> , <b>2022</b> , 1-1	3.8	2
156	Binarized Aggregated Network with Quantization: Flexible Deep Learning Deployment for CSI Feedback in Massive MIMO System. <i>IEEE Transactions on Wireless Communications</i> , <b>2022</b> , 1-1	9.6	3
155	Joint Resource Management for Intelligent Reflecting Surface-Aided Visible Light Communications. <i>IEEE Transactions on Wireless Communications</i> , <b>2022</b> , 1-1	9.6	2
154	Optimization on Multi-User Physical Layer Security of Intelligent Reflecting Surface-Aided VLC. <i>IEEE Wireless Communications Letters</i> , <b>2022</b> , 1-1	5.9	1
153	Joint Illumination and Communication Optimization in Indoor VLC for IoT Applications. <i>IEEE Internet of Things Journal</i> , <b>2022</b> , 1-1	10.7	2
152	Underwater Optical Channel Generator: A Generative Adversarial Network Based Approach. <i>IEEE Transactions on Wireless Communications</i> , <b>2022</b> , 1-1	9.6	
151	Power Line Communication with Robust Timing and Carrier Recovery against Narrowband Interference for Smart Grid. <i>Sensors</i> , <b>2022</b> , 22, 4013	3.8	
150	Intelligent Reflecting Surface-Aided Visible Light Communications: Potentials and Challenges. <i>IEEE Vehicular Technology Magazine</i> , <b>2021</b> , 2-11	9.9	5
149	Reflection-assisted Non-Line-of-Sight Ultraviolet Communications. <i>Journal of Lightwave Technology</i> , <b>2021</b> , 1-1	4	2
148	Review on 5G NR LDPC Code: Recommendations for DTTB System. <i>IEEE Access</i> , <b>2021</b> , 1-1	3.5	0
147	Field Trials of UHDTV Broadcasting over DTMB-A System. <i>Smpte Motion Imaging Journal</i> , <b>2021</b> , 130, 47-59.4	5.4	
146	Simplified Closed-Form Single-Scatter Path Loss Model of Non-Line-of-Sight Ultraviolet Communications in Noncoplanar Geometry. <i>IEEE Journal of Quantum Electronics</i> , <b>2021</b> , 57, 1-9	2	7
145	Index-Domain Division Multiple Access for IoT Applications. <i>IEEE Internet of Things Journal</i> , <b>2021</b> , 8, 9014-9029	10.7	1
144	Sparse Vector Coding-Based Multi-Carrier NOMA for In-Home Health Networks. <i>IEEE Journal on Selected Areas in Communications</i> , <b>2021</b> , 39, 325-337	14.2	22
143	Sum Rate Maximization for Intelligent Reflecting Surface-Aided Visible Light Communications. <i>IEEE Communications Letters</i> , <b>2021</b> , 1-1	3.8	8
142	Low-Complexity Hybrid Precoding Algorithm Based on Log-Det Expansion for GenSM-Aided MmWave MIMO System. <i>IEEE Transactions on Vehicular Technology</i> , <b>2021</b> , 70, 1554-1564	6.8	0

141	Single-scatter path loss model of LED-based non-line-of-sight ultraviolet communications. <i>Optics Letters</i> , <b>2021</b> , 46, 4013-4016	3	5
140	BER Performance Analysis for Downlink Nonorthogonal Multiple Access With Error Propagation Mitigated Method in Visible Light Communications. <i>IEEE Transactions on Vehicular Technology</i> , <b>2021</b> , 70, 9190-9206	6.8	1
139	Wideband Underwater Wireless Optical Communication Based on Multi-carrier Autoencoder. <i>IEEE Wireless Communications Letters</i> , <b>2021</b> , 1-1	5.9	1
138	Optimizing Age Penalty in Time-Varying Networks with Markovian and Error-Prone Channel State. <i>Entropy</i> , <b>2021</b> , 23,	2.8	4
137	Spectrum Sensing for DTMB System: A CNN Approach. <i>IEEE Transactions on Broadcasting</i> , <b>2021</b> , 1-8	4.7	0
136	HKA: A Hierarchical Knowledge Attention Mechanism for Multi-Turn Dialogue System <b>2020</b> ,		1
135	Deep Convolutional Neural Network-Based Detector for Index Modulation. <i>IEEE Wireless Communications Letters</i> , <b>2020</b> , 9, 1705-1709	5.9	8
134	5G Internet of Radio Light Positioning System for Indoor Broadcasting Service. <i>IEEE Transactions on Broadcasting</i> , <b>2020</b> , 66, 534-544	4.7	15
133	Radio-Optics Hybrid Single Frequency Network for DTTB: Principle, Technology, and Practice. <i>IEEE Transactions on Broadcasting</i> , <b>2020</b> , 66, 857-866	4.7	1
132	Device Activity Detection and Non-Coherent Information Transmission for Massive Machine-Type Communications. <i>IEEE Access</i> , <b>2020</b> , 8, 41452-41465	3.5	8
131	Enhanced Adaptive Normalized Min-Sum Algorithm for Layered Scheduling of 5G-NR LDPC codes <b>2020</b> ,		2
130	OFDM With Differential Index Modulation for Visible Light Communication. <i>IEEE Photonics Journal</i> , <b>2020</b> , 12, 1-8	1.8	2
129	Successive-Interference-Cancellation-Free NOMA for Indoor VLC: A Generalized Spatial Modulation Based Approach <b>2020</b> ,		3
128	Spatial Multiplexing MIMO Visible Light Communications With Densely Distributed LEDs and PDs. <i>IEEE Photonics Journal</i> , <b>2020</b> , 12, 1-7	1.8	1
127	Multi-resolution CSI Feedback with Deep Learning in Massive MIMO System <b>2020</b> ,		37
126	Block-Level Utility Maximization for NOMA-Based Layered Broadcasting. <i>IEEE Transactions on Broadcasting</i> , <b>2020</b> , 66, 21-33	4.7	3
125	Quasi-Cyclic Spatially Coupled LDPC Code for Broadcasting. <i>IEEE Transactions on Broadcasting</i> , <b>2020</b> , 66, 187-194	4.7	7
124	Index Modulation Based Hybrid Dimming Scheme for Visible Light Communication <b>2019</b> ,		2

123	Stochastic Optimization Based Dynamic User Scheduling and Hybrid Precoding for Broadband MmWave MIMO <b>2019</b> ,		4
122	Spectral-Efficient Hybrid Dimming Scheme for Indoor Visible Light Communication: A Subcarrier Index Modulation Based Approach. <i>Journal of Lightwave Technology</i> , <b>2019</b> , 37, 5756-5765	4	9
121	Online Fountain Codes With Unequal Recovery Time. <i>IEEE Communications Letters</i> , <b>2019</b> , 23, 1136-1140	3.8	5
120	Joint Transceiver Optimization for Wireless Communication PHY Using Neural Network. <i>IEEE Journal on Selected Areas in Communications</i> , <b>2019</b> , 37, 1364-1373	14.2	28
119	Construction of Rate-Compatible Raptor-Like Quasi-Cyclic LDPC Code With Edge Classification for IDMA Based Random Access. <i>IEEE Access</i> , <b>2019</b> , 7, 30818-30830	3.5	9
118	Key Technologies and Measurements for DTMB-A System. <i>IEEE Transactions on Broadcasting</i> , <b>2019</b> , 65, 53-64	4.7	14
117	Joint bandwidth and power allocation for multiple services in TV white space. <i>IET Communications</i> , <b>2019</b> , 13, 569-577	1.3	
116	Field trial of UHDTV over Digital Television Terrestrial Broadcasting network <b>2019</b> ,		2
115	On RF-Chain Limited Spatial Modulation Aided NOMA: Spectral Efficiency Analysis <b>2019</b> ,		1
114	Scheduling to Minimize Age of Information in Multi-State Time-Varying Networks with Power Constraints <b>2019</b> ,		14
113	Novel Index Modulation Aided Non-Orthogonal Multiple Access for Visible Light Communication <b>2019</b> ,		2
112	Task-scheduling scheme based on greedy algorithm in integrated radar and communication systems. <i>Journal of Engineering</i> , <b>2019</b> , 2019, 5864-5867	0.7	1
111	Perineuronal nets protect long-term memory by limiting activity-dependent inhibition from parvalbumin interneurons. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> ,	11.5	30
110	CSMA-and-NOMA-based Random Massive Access in Power Line Communication for Smart Grid Applications <b>2019</b> ,		2
109	Scheduling to Minimize Age of Synchronization in Wireless Broadcast Networks with Random Updates <b>2019</b> ,		3
108	On the Achievable Rate Region of NOMA Under Outage Probability Constraints. <i>IEEE Communications Letters</i> , <b>2019</b> , 23, 370-373	3.8	10
107	Performance evaluation of low-density spreading multiple access. <i>IET Communications</i> , <b>2019</b> , 13, 108-115.	3	1
106	. <i>IEEE Transactions on Broadcasting</i> , <b>2019</b> , 65, 172-178	4.7	10

105	Spatial Modulation for More Spatial Multiplexing: RF-Chain-Limited Generalized Spatial Modulation Aided MM-Wave MIMO With Hybrid Precoding. <i>IEEE Transactions on Communications</i> , <b>2018</b> , 66, 986-998	6.9	37
104	Outage Analysis for Downlink NOMA With Statistical Channel State Information. <i>IEEE Wireless Communications Letters</i> , <b>2018</b> , 7, 142-145	5.9	45
103	Spectral Efficiency Analysis for Spatial Modulation Aided Layered Division Multiplexing Systems With Gaussian and Finite Alphabet Inputs. <i>IEEE Transactions on Broadcasting</i> , <b>2018</b> , 64, 909-914	4.7	6
102	Performance Analysis and Code Optimization of IDMA With 5G New Radio LDPC Code. <i>IEEE Communications Letters</i> , <b>2018</b> , 22, 1552-1555	3.8	22
101	Spectral efficiency analysis and pilot reuse factor optimisation for multi-cell massive SC-SM MIMO. <i>IET Communications</i> , <b>2018</b> , 12, 1195-1200	1.3	
100	On the Achievable Spectral Efficiency of Layered Division Multiplexing with Finite Alphabet Inputs <b>2018</b> ,		1
99	A High-Accuracy Adaptive Beam Training Algorithm for MmWave Communication <b>2018</b> ,		3
98	A Novel User Pairing in Downlink Non-Orthogonal Multiple Access <b>2018</b> ,		7
97	Low Complexity Hybrid Precoding Algorithm for GenSM Aided mmWave MIMO Systems <b>2018</b> ,		2
96	Intercommunity Detection Scheme for Social Internet of Things: Compressive Sensing Over Graphs Approach. <i>IEEE Internet of Things Journal</i> , <b>2018</b> , 5, 4550-4557	10.7	16
95	Progressive Matrix Growth Algorithm for Constructing Rate-Compatible Length-Scalable Raptor-Like Quasi-Cyclic LDPC Codes. <i>IEEE Transactions on Broadcasting</i> , <b>2018</b> , 64, 816-829	4.7	6
94	Structured Compressive Sensing-Based Channel Estimation for Time Frequency Training OFDM Systems Over Doubly Selective Channel. <i>IEEE Wireless Communications Letters</i> , <b>2017</b> , 6, 266-269	5.9	17
93	Bandwidth Efficiency Maximization for Single-Cell Massive Spatial Modulation MIMO: An Adaptive Power Allocation Perspective. <i>IEEE Access</i> , <b>2017</b> , 5, 1482-1495	3.5	5
92	A Low-Complexity Detection Algorithm for Uplink NOMA System Based on Gaussian Approximation <b>2017</b> ,		11
91	On the Achievable Spectral Efficiency of Spatial Modulation Aided Downlink Non-Orthogonal Multiple Access. <i>IEEE Communications Letters</i> , <b>2017</b> , 21, 1937-1940	3.8	27
90	Multiuser Detection for FEC-Coded Massive Spatial Modulation MIMO: An Iterative Interference Rejection Approach. <i>IEEE Transactions on Vehicular Technology</i> , <b>2017</b> , 66, 9567-9571	6.8	5
89	Integrated power line and visible light communication system compatible with multi-service transmission. <i>IET Communications</i> , <b>2017</b> , 11, 104-111	1.3	26
88	On the Multi-User Multi-Cell Massive Spatial Modulation Uplink: How Many Antennas for Each User?. <i>IEEE Transactions on Wireless Communications</i> , <b>2017</b> , 16, 1437-1451	9.6	33

87	Experimental Demonstration of a Cubic-Receiver-Based MIMO Visible Light Communication System. <i>IEEE Photonics Journal</i> , <b>2017</b> , 9, 1-7	1.8	17
86	On Generalized Spatial Modulation Aided Millimeter Wave MIMO: Spectral Efficiency Analysis and Hybrid Precoder Design. <i>IEEE Transactions on Wireless Communications</i> , <b>2017</b> , 16, 7658-7671	9.6	23
85	Generalized Spatial Modulation Aided mmWave MIMO with Sub-Connected Hybrid Precoding Scheme <b>2017</b> ,		2
84	Iterative uniform-cost search of active antenna group selection for generalised spatial modulation <b>2017</b> ,		2
83	Basis expansion model based spectral efficient channel recovery scheme for spatial-temporal correlated massive MIMO systems. <i>IET Communications</i> , <b>2017</b> , 11, 2621-2629	1.3	1
82	Harvesting both rate gain and diversity gain: Combination of NOMA with the Alamouti scheme <b>2017</b> ,		8
81	Monte-Carlo simulation-based characteristics of underwater scattering channel. <i>Optical Engineering</i> , <b>2017</b> , 56, 070501	1.1	2
80	Spectral efficiency analysis for spatial modulation in massive MIMO uplink over dispersive channels <b>2017</b> ,		5
79	An iterative-weighted-average algorithm for background modeling in surveillance video scenarios <b>2017</b> ,		1
78	Spectral Efficiency Analysis for Downlink NOMA Aided Spatial Modulation With Finite Alphabet Inputs. <i>IEEE Transactions on Vehicular Technology</i> , <b>2017</b> , 66, 10562-10566	6.8	38
77	Spectral-Efficient Analog Precoding for Generalized Spatial Modulation Aided MmWave MIMO. <i>IEEE Transactions on Vehicular Technology</i> , <b>2017</b> , 66, 9598-9602	6.8	16
76	Clipping Noise Elimination for OFDM Systems by Compressed Sensing With Partially Aware Support. <i>IEEE Transactions on Broadcasting</i> , <b>2017</b> , 63, 103-110	4.7	10
75	Hybrid PLC-VLC channel model and spectral estimation using a nonparametric approach. <i>Transactions on Emerging Telecommunications Technologies</i> , <b>2017</b> , 28, e3224	1.9	15
74	Information-Aided Iterative Equalization: A Novel Approach for Single-Carrier Spatial Modulation in Dispersive Channels. <i>IEEE Transactions on Vehicular Technology</i> , <b>2016</b> , 1-1	6.8	11
73	Compressive sensing based time-frequency joint non-orthogonal multiple access <b>2016</b> ,		5
72	Analysis of outage capacity of NOMA: SIC vs. JD. <i>Tsinghua Science and Technology</i> , <b>2016</b> , 21, 538-543	3.4	6
71	Nonorthogonal Time-Frequency Training-Sequence-Based CSI Acquisition for MIMO Systems. <i>IEEE Transactions on Vehicular Technology</i> , <b>2016</b> , 65, 5714-5719	6.8	18
70	Double Kill: Compressive-Sensing-Based Narrow-Band Interference and Impulsive Noise Mitigation for Vehicular Communications. <i>IEEE Transactions on Vehicular Technology</i> , <b>2016</b> , 65, 5099-5109	6.8	47

69	Dynamic Matching Based Distributed Spectrum Trading in Multi-Radio Multi-Channel CRNs <b>2016</b> ,		1
68	On Massive Spatial Modulation MIMO: Spectral Efficiency Analysis and Optimal System Design <b>2016</b> ,		8
67	Structured compressive sensing-based non-orthogonal time-domain training channel state information acquisition for multiple input multiple output systems. <i>IET Communications</i> , <b>2016</b> , 10, 685-690	1.3	12
66	Spectrally Efficient CSI Acquisition for Power Line Communications: A Bayesian Compressive Sensing Perspective. <i>IEEE Journal on Selected Areas in Communications</i> , <b>2016</b> , 34, 2022-2032	14.2	19
65	\$ell_infty\$ Minimization Based Symbol Detection for Generalized Space Shift Keying. <i>IEEE Communications Letters</i> , <b>2015</b> , 19, 1109-1112	3.8	10
64	Near capacity LDPC coded MU-BICM-ID for 5G <b>2015</b> ,		6
63	Approach to suppress out-of-band emission for dual pseudo noise padded time-domain synchronous-orthogonal frequency division multiplexing systems. <i>IET Communications</i> , <b>2015</b> , 9, 1606-1614	1.3	3
62	Energy-efficient resource allocation in OFDMA-based wireless multicast systems <b>2015</b> ,		2
61	Frequency Domain Turbo Equalization under MMSE Criterion for Single Carrier MIMO Systems <b>2015</b> ,		3
60	Frequency Domain Turbo Equalization with Iterative Channel Estimation for Single Carrier MIMO Underwater Acoustic Communications <b>2015</b> ,		2
59	Subcarrier Grouping OFDM for Visible-Light Communication Systems. <i>IEEE Photonics Journal</i> , <b>2015</b> , 7, 1-12	1.8	8
58	Bit division multiplexing for MIMO broadcasting system <b>2014</b> ,		1
57	Indoor hospital communication systems: An integrated solution based on power line and visible light communication <b>2014</b> ,		22
56	Compressive Sensing Based Channel Estimation for OFDM Systems Under Long Delay Channels. <i>IEEE Transactions on Broadcasting</i> , <b>2014</b> , 60, 313-321	4.7	86
55	Energy-efficient orthogonal frequency division multiplexing scheme based on time-frequency joint channel estimation. <i>IET Communications</i> , <b>2014</b> , 8, 3406-3413	1.3	8
54	Non-intrusive power line quality monitoring based on power line communications <b>2013</b> ,		8
53	A multiple communication standards compatible IoT system for medical usage <b>2013</b> ,		8
52	Out-of-band power suppression for TDS-OFDM systems <b>2013</b> ,		2



51	Non-Equiprobable APSK Constellation Labeling Design for BICM Systems. <i>IEEE Communications Letters</i> , <b>2013</b> , 17, 1276-1279	3.8	22
50	Multiple-rate multiple-length QC-LDPC codes design with near shannon limit performance <b>2013</b> ,		3
49	Field trial of advanced DTMB system DTMB-A in Hong Kong <b>2013</b> ,		8
48	Genetic algorithm aided gray-APSK constellation optimization <b>2013</b> ,		6
47	Play-Out Constrained Dynamic Packet Loss Protection for Scalable Video Transmission. <i>IEICE Transactions on Communications</i> , <b>2013</b> , E96.B, 1633-1642	0.5	1
46	An Improved Spectrum Sensing Method for DTMB System Based on PN Autocorrelation. <i>IEICE Transactions on Communications</i> , <b>2013</b> , E96.B, 1559-1565	0.5	2
45	PAPR Reduction for Systems Using SRRC Filters Based on Modified ACE. <i>IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences</i> , <b>2013</b> , E96.A, 1675-1677	0.4	5
44	Simplified Soft Demapping Algorithm for Gray-APSK. <i>IEICE Transactions on Communications</i> , <b>2013</b> , E96.B, 1814-1818	0.5	1
43	Signal Vector Based Detection Scheme for Spatial Modulation. <i>IEEE Communications Letters</i> , <b>2012</b> , 16, 19-21	3.8	58
42	Novel Transmit Diversity Scheme for TDS-OFDM System With Frequency-Shift m-Sequence Padding. <i>IEEE Transactions on Broadcasting</i> , <b>2012</b> , 58, 317-324	4.7	30
41	Dual PN padding TDS-OFDM for underwater acoustic communication <b>2012</b> ,		3
40	Generalised Spatial Modulation System with Multiple Active Transmit Antennas and Low Complexity Detection Scheme. <i>IEEE Transactions on Wireless Communications</i> , <b>2012</b> , 11, 1605-1615	9.6	299
39	Reception Quality Prediction in a Single Frequency Network for the DTMB Standard. <i>IEEE Transactions on Broadcasting</i> , <b>2012</b> , 58, 629-636	4.7	13
38	EXIT-Aided Bit Mapping Design for LDPC Coded Modulation with APSK Constellations. <i>IEEE Communications Letters</i> , <b>2012</b> , 16, 777-780	3.8	22
37	A dynamic hybrid UXP/ARQ method for scalable video transmission <b>2012</b> ,		2
36	A Novel Noise Suppression Method in Channel Estimation. <i>IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences</i> , <b>2011</b> , E94-A, 2027-2030	0.4	7
35	A Measurement Method of the DTMB Modulator. <i>IEEE Transactions on Broadcasting</i> , <b>2011</b> , 57, 745-751	4.7	
34	TDS-OFDMA: a novel multiple access system based on TDS-OFDM. <i>IEEE Transactions on Consumer Electronics</i> , <b>2011</b> , 57, 1528-1534	4.8	2



33	Multi-rate QC-LDPC scheme for narrowband powerline communication system <b>2011</b> ,		2
32	Near-capacity BICM-ID for MIMO channels <b>2011</b> ,		4
31	Coded Modulation with Signal Space Diversity. <i>IEEE Transactions on Wireless Communications</i> , <b>2011</b> , 10, 660-669	9.6	27
30	Novel Channel Estimation Method Based on Training Sequence Cyclic Reconstruction for TDS-OFDM System. <i>IEICE Transactions on Communications</i> , <b>2011</b> , E94-B, 2158-2160	0.5	4
29	Labeling Optimization for BICM-ID Systems. <i>IEEE Communications Letters</i> , <b>2010</b> , 14, 1047-1049	3.8	8
28	The novel approach to support multimedia services over DTMB system <b>2010</b> ,		1
27	Joint Code Acquisition and Doppler Frequency Shift Estimation for GPS Signals <b>2010</b> ,		3
26	Technical Review for Chinese Future DTTB System <b>2010</b> ,		1
25	Training Sequence Aided MC-CDMA Scheme with High Spectrum Efficiency. <i>IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences</i> , <b>2010</b> , E93-A, 1857-1860	0.4	
24	Designs of Differential Space-Time and Space-Frequency Coded OFDM Schemes. <i>Wireless Personal Communications</i> , <b>2010</b> , 52, 195-208	1.9	
23	Quantization Error Reduction for the Phased Array with 2-bit Phase Shifter. <i>Wireless Personal Communications</i> , <b>2010</b> , 52, 29-41	1.9	8
22	A Novel Equalization Scheme for ZP-OFDM System Over Deep Fading Channels. <i>IEEE Transactions on Broadcasting</i> , <b>2010</b> , 56, 249-252	4.7	6
21	Embedded Transmission of Multi-Service Over DTMB System. <i>IEEE Transactions on Broadcasting</i> , <b>2010</b> , 56, 504-513	4.7	7
20	A Novel PN Complementary Pair for Synchronization and Channel Estimation. <i>IEICE Transactions on Communications</i> , <b>2010</b> , E93-B, 3189-3192	0.5	3
19	Simplified Decision-Directed Channel Estimation Method for OFDM System with Transmit Diversity <b>2009</b> ,		4
18	Bit-Interleaved LDPC-Coded Modulation with Iterative Demapping and Decoding <b>2009</b> ,		13
17	Transmit Diversity Scheme and Flexible Channel Estimation for TDS-OFDM System <b>2009</b> ,		3
16	Low Complexity Soft Decoder for Nordstrom-Robinson Code With Application to the Chinese DTTB Standard. <i>IEEE Transactions on Broadcasting</i> , <b>2009</b> , 55, 668-673	4.7	1

15	High-Throughput QC-LDPC Decoders. <i>IEEE Transactions on Broadcasting</i> , <b>2009</b> , 55, 251-259	4.7	18
14	A multi-user uplink TDS-OFDM system based on dual PN sequence padding. <i>IEEE Transactions on Consumer Electronics</i> , <b>2009</b> , 55, 1098-1106	4.8	6
13	Channel Estimation Based on Space-Time-Frequency Coded Training Sequence for Transmit Diversity System. <i>IEICE Transactions on Communications</i> , <b>2009</b> , E92-B, 1901-1903	0.5	5
12	Novel Consecutive-Pilot Design for Phase Noise Suppression in OFDM System. <i>IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences</i> , <b>2009</b> , E92-A, 1704-1707	0.4	
11	Training Sequence Design for Low Complexity Channel Estimation in Transmit Diversity TDS-OFDM System. <i>IEICE Transactions on Communications</i> , <b>2009</b> , E92-B, 2308-2311	0.5	5
10	Robust Frame Synchronization for Chinese DTTB System. <i>IEEE Transactions on Broadcasting</i> , <b>2008</b> , 54, 152-158	4.7	17
9	A Simplified Equalization Method for Dual PN-Sequence Padding TDS-OFDM Systems. <i>IEEE Transactions on Broadcasting</i> , <b>2008</b> , 54, 825-830	4.7	59
8	Novel channel estimation method based on PN sequence reconstruction for Chinese DTTB system. <i>IEEE Transactions on Consumer Electronics</i> , <b>2008</b> , 54, 1583-1589	4.8	26
7	Modeling and Measuring of Weak Frequency Selectivity in OFDM Modulator <b>2008</b> ,		2
6	Novel decision-directed channel estimation method for TDS-OFDM system <b>2008</b> ,		2
5	Channel Estimation for the Chinese DTTB System Based on a Novel Iterative PN Sequence Reconstruction <b>2008</b> ,		6
4	Two-way digital video transmission over medium-voltage power-lines using time-domain synchronous orthogonal frequency division multiplexing technology. <i>Tsinghua Science and Technology</i> , <b>2008</b> , 13, 784-789	3.4	3
3	Technical Review on Chinese Digital Terrestrial Television Broadcasting Standard and Measurements on Some Working Modes. <i>IEEE Transactions on Broadcasting</i> , <b>2007</b> , 53, 1-7	4.7	156
2	Intercarrier Interference Cancellation with Frequency Diversity for OFDM Systems. <i>IEEE Transactions on Broadcasting</i> , <b>2007</b> , 53, 132-137	4.7	18
1	Digital Television/Terrestrial Multimedia Broadcasting (DTMB)1-13		