

# Jian Song

## List of Publications by Year in descending order

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221  
papers

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223  
all docs

223  
docs citations

223  
times ranked

2203  
citing authors

#	ARTICLE	IF	CITATIONS
1	Spectrum Sensing for DTMB System: A CNN Approach. IEEE Transactions on Broadcasting, 2022, 68, 271-278.	3.2	2
2	Intelligent Reflecting Surface-Aided Visible Light Communications: Potentials and Challenges. IEEE Vehicular Technology Magazine, 2022, 17, 47-56.	3.4	23
3	Reflection-Assisted Non-Line-of-Sight Ultraviolet Communications. Journal of Lightwave Technology, 2022, 40, 1953-1961.	4.6	10
4	Sliding Window Decoding for QC-SC-LDPC Codes Under the Constraint of Implementation Complexity. IEEE Transactions on Broadcasting, 2022, 68, 305-316.	3.2	3
5	Triple-Structured Sparsity-Based Channel Feedback for RIS-Assisted MU-MIMO System. IEEE Communications Letters, 2022, 26, 1141-1145.	4.1	6
6	Binarized Aggregated Network With Quantization: Flexible Deep Learning Deployment for CSI Feedback in Massive MIMO Systems. IEEE Transactions on Wireless Communications, 2022, 21, 5514-5525.	9.2	19
7	Joint Resource Management for Intelligent Reflecting Surface-Aided Visible Light Communications. IEEE Transactions on Wireless Communications, 2022, 21, 6508-6522.	9.2	24
8	Optimization on Multiuser Physical Layer Security of Intelligent Reflecting Surface-Aided VLC. IEEE Wireless Communications Letters, 2022, 11, 1344-1348.	5.0	17
9	Joint Illumination and Communication Optimization in Indoor VLC for IoT Applications. IEEE Internet of Things Journal, 2022, 9, 20788-20800.	8.7	12
10	Underwater Optical Channel Generator: A Generative Adversarial Network Based Approach. IEEE Transactions on Wireless Communications, 2022, 21, 9394-9403.	9.2	1
11	Power Line Communication with Robust Timing and Carrier Recovery against Narrowband Interference for Smart Grid. Sensors, 2022, 22, 4013.	3.8	0
12	Online Utility Optimization in Multi-User Interference Networks Under a Long-Term Budget Constraint. IEEE Transactions on Vehicular Technology, 2022, 71, 11033-11046.	6.3	2
13	Aircraft Signal Feature Extraction and Recognition Based on Deep Learning. IEEE Transactions on Vehicular Technology, 2022, 71, 9625-9634.	6.3	2
14	Error Correction Coding for One-Bit Quantization With CNN-Based AutoEncoder. IEEE Communications Letters, 2022, 26, 1814-1818.	4.1	3
15	Sparse Vector Coding-Based Multi-Carrier NOMA for In-Home Health Networks. IEEE Journal on Selected Areas in Communications, 2021, 39, 325-337.	14.0	43
16	Sum Rate Maximization for Intelligent Reflecting Surface-Aided Visible Light Communications. IEEE Communications Letters, 2021, 25, 3619-3623.	4.1	39
17	Low-Complexity Hybrid Precoding Algorithm Based on Log-Det Expansion for GenSM-Aided MmWave MIMO System. IEEE Transactions on Vehicular Technology, 2021, 70, 1554-1564.	6.3	2
18	Simplified Closed-Form Single-Scatter Path Loss Model of Non-Line-of-Sight Ultraviolet Communications in Noncoplanar Geometry. IEEE Journal of Quantum Electronics, 2021, 57, 1-9.	1.9	16

#	ARTICLE	IF	CITATIONS
19	Index-Domain Division Multiple Access for IoT Applications. IEEE Internet of Things Journal, 2021, 8, 9014-9029.	8.7	2
20	Single-scatter path loss model of LED-based non-line-of-sight ultraviolet communications. Optics Letters, 2021, 46, 4013.	3.3	8
21	BER Performance Analysis for Downlink Nonorthogonal Multiple Access With Error Propagation Mitigated Method in Visible Light Communications. IEEE Transactions on Vehicular Technology, 2021, 70, 9190-9206.	6.3	8
22	Wideband Underwater Wireless Optical Communication Based on Multi-Carrier Autoencoder. IEEE Wireless Communications Letters, 2021, 10, 2494-2498.	5.0	3
23	Optimizing Age Penalty in Time-Varying Networks with Markovian and Error-Prone Channel State. Entropy, 2021, 23, 91.	2.2	7
24	Review on 5G NR LDPC Code: Recommendations for DTTB System. IEEE Access, 2021, 9, 155413-155424.	4.2	6
25	Early Drop: A Packet-Dropping Incentive Rate Control Mechanism to Keep Data Fresh under Heterogeneous QoS Requirements. , 2021, , .		3
26	ACARS Signal Source Generation and Recognition Based on Convolutional Neural Network. , 2021, , .		0
27	Spectrum Allocation of Multi-Priority Operators Based on Repeated Game for Future Mobile Communication. , 2021, , .		0
28	Field Trials of UHDTV Broadcasting over DTMB-A System. Smpte Motion Imaging Journal, 2021, 130, 47-59.	0.2	0
29	Simplified Single-Scatter Path Loss Model of LED-based Non-Line-of-Sight Ultraviolet Communications. , 2021, , .		1
30	Joint Link Rate Selection and Channel State Change Detection in Block-Fading Channels. , 2021, , .		2
31	An Automatic Alignment Bidirectional Visible Light Communication System Based on Red Laser Diode. , 2021, , .		3
32	Triple-Structured Compressive Sensing-based Channel Estimation for RIS-aided MU-MIMO Systems. , 2021, , .		4
33	Block-Level Utility Maximization for NOMA-Based Layered Broadcasting. IEEE Transactions on Broadcasting, 2020, 66, 21-33.	3.2	4
34	Quasi-Cyclic Spatially Coupled LDPC Code for Broadcasting. IEEE Transactions on Broadcasting, 2020, 66, 187-194.	3.2	13
35	OFDM With Differential Index Modulation for Visible Light Communication. IEEE Photonics Journal, 2020, 12, 1-8.	2.0	5
36	Successive-Interference-Cancellation-Free NOMA for Indoor VLC: A Generalized Spatial Modulation Based Approach. , 2020, , .		6

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37	Pre-Distorted ADO-OFDM for Mutual Interference Eliminating with Low Complexity and Low Latency. , 2020, , .		2
38	Spatial Multiplexing MIMO Visible Light Communications With Densely Distributed LEDs and PDs. IEEE Photonics Journal, 2020, 12, 1-7.	2.0	9
39	Multi-resolution CSI Feedback with Deep Learning in Massive MIMO System. , 2020, , .		97
40	Constellation optimization for Visible Light Communication under Ergodic Optical Channel. , 2020, , .		2
41	HKA: A Hierarchical Knowledge Attention Mechanism for Multi-Turn Dialogue System. , 2020, , .		5
42	Deep Convolutional Neural Network-Based Detector for Index Modulation. IEEE Wireless Communications Letters, 2020, 9, 1705-1709.	5.0	21
43	5G Internet of Radio Light Positioning System for Indoor Broadcasting Service. IEEE Transactions on Broadcasting, 2020, 66, 534-544.	3.2	30
44	A low complexity NOMA scheme in VLC systems using pulse modulations (invited paper). , 2020, , .		2
45	Radio-Optics Hybrid Single Frequency Network for DTTB: Principle, Technology, and Practice. IEEE Transactions on Broadcasting, 2020, 66, 857-866.	3.2	3
46	Device Activity Detection and Non-Coherent Information Transmission for Massive Machine-Type Communications. IEEE Access, 2020, 8, 41452-41465.	4.2	13
47	Implementation of BICM-ID Receiver for Coded Modulation in DTMB-A. , 2020, , .		0
48	Efficient Sliding Window Decoding of Spatially Coupled LDPC Codes for Broadcasting. , 2020, , .		0
49	Optimized Resource Allocation in Scalable Video Broadcasting Using LDM and BDM. , 2020, , .		1
50	An Uplink Grant-Free Access Solution Based on Sparse Resource Pattern for IoT. , 2020, , .		2
51	Enhanced Adaptive Normalized Min-Sum Algorithm for Layered Scheduling of 5G-NR LDPC codes. , 2020, , .		5
52	A New Search Process for High-Accuracy Beam Training in MmWave Communication. , 2020, , .		0
53	Key Technologies and Measurements for DTMB-A System. IEEE Transactions on Broadcasting, 2019, 65, 53-64.	3.2	25
54	Subcarrier and Power Allocations for Enhanced ADO-OFDM with Dimming Control. , 2019, , .		1

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55	Index Modulation Based Hybrid Dimming Scheme for Visible Light Communication. , 2019, , .		2
56	Stochastic Optimization Based Dynamic User Scheduling and Hybrid Precoding for Broadband MmWave MIMO. , 2019, , .		5
57	Spectral-Efficient Hybrid Dimming Scheme for Indoor Visible Light Communication: A Subcarrier Index Modulation Based Approach. Journal of Lightwave Technology, 2019, 37, 5756-5765.	4.6	16
58	Active Phased Array Radar-based 2D Beamspace MUSIC Channel Estimation for an Integrated Radar and Communication System. , 2019, , .		4
59	Online Fountain Codes With Unequal Recovery Time. IEEE Communications Letters, 2019, 23, 1136-1140.	4.1	8
60	Joint Transceiver Optimization for Wireless Communication PHY Using Neural Network. IEEE Journal on Selected Areas in Communications, 2019, 37, 1364-1373.	14.0	69
61	Construction of Rate-Compatible Raptor-Like Quasi-Cyclic LDPC Code With Edge Classification for IDMA Based Random Access. IEEE Access, 2019, 7, 30818-30830.	4.2	16
62	Field trial of UHD TV over Digital Television Terrestrial Broadcasting network. , 2019, , .		5
63	On RF-Chain Limited Spatial Modulation Aided NOMA: Spectral Efficiency Analysis. , 2019, , .		1
64	Scheduling to Minimize Age of Information in Multi-State Time-Varying Networks with Power Constraints. , 2019, , .		24
65	Optics-Radio Hybrid Single Frequency Network for Digital Television Terrestrial Broadcasting. , 2019, , .		0
66	Low-Complexity Multiuser Detection for Generalized Media-Based Modulation Systems. , 2019, , .		0
67	Novel Index Modulation Aided Non-Orthogonal Multiple Access for Visible Light Communication. , 2019, , .		2
68	Task scheduling scheme based on greedy algorithm in integrated radar and communication systems. Journal of Engineering, 2019, 2019, 5864-5867.	1.1	2
69	Perineuronal nets protect long-term memory by limiting activity-dependent inhibition from parvalbumin interneurons. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 27063-27073.	7.1	70
70	A Robust Uplink Transmission Scheme for Interactive Services in Future Broadcasting Systems. , 2019, , .		0
71	CSMA-and-NOMA-based Random Massive Access in Power Line Communication for Smart Grid Applications. , 2019, , .		2
72	Scheduling to Minimize Age of Synchronization in Wireless Broadcast Networks with Random Updates. , 2019, , .		7

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73	On the Achievable Rate Region of NOMA Under Outage Probability Constraints. IEEE Communications Letters, 2019, 23, 370-373.	4.1	21
74	Performance evaluation of low-density spreading multiple access. IET Communications, 2019, 13, 108-115.	2.2	1
75	Performance Analysis of Practical QC-LDPC Codes: From DVB-S2 to ATSC 3.0. IEEE Transactions on Broadcasting, 2019, 65, 172-178.	3.2	22
76	Joint bandwidth and power allocation for multiple services in TV white space. IET Communications, 2019, 13, 569-577.	2.2	0
77	Spatial Modulation for More Spatial Multiplexing: RF-Chain-Limited Generalized Spatial Modulation Aided MM-Wave MIMO With Hybrid Precoding. IEEE Transactions on Communications, 2018, 66, 986-998.	7.8	53
78	Outage Analysis for Downlink NOMA With Statistical Channel State Information. IEEE Wireless Communications Letters, 2018, 7, 142-145.	5.0	72
79	On the Achievable Spectral Efficiency of Layered Division Multiplexing with Finite Alphabet Inputs. , 2018, , .		2
80	A High-Accuracy Adaptive Beam Training Algorithm for MmWave Communication. , 2018, , .		8
81	A Novel User Pairing in Downlink Non-Orthogonal Multiple Access. , 2018, , .		15
82	Asymptotic Analysis for NOMA over Fading Channel without CSIT. , 2018, , .		1
83	A Comparative Study on the Capacity of SCMA and LDSMA. , 2018, , .		1
84	Sparse Channel Estimation for MIMO Systems based on Time-Domain Training Sequence Optimization. , 2018, , .		0
85	Low Complexity Hybrid Precoding Algorithm for GenSM Aided mmWave MIMO Systems. , 2018, , .		2
86	Intercommunity Detection Scheme for Social Internet of Things: Compressive Sensing Over Graphs Approach. IEEE Internet of Things Journal, 2018, 5, 4550-4557.	8.7	19
87	Progressive Matrix Growth Algorithm for Constructing Rate-Compatible Length-Scalable Raptor-Like Quasi-Cyclic LDPC Codes. IEEE Transactions on Broadcasting, 2018, 64, 816-829.	3.2	7
88	Power Allocation and Rate Adaption for NOMA-Based Layer-Aware Multicasting Systems. , 2018, , .		0
89	Spectral Efficiency Analysis for Spatial Modulation Aided Layered Division Multiplexing Systems With Gaussian and Finite Alphabet Inputs. IEEE Transactions on Broadcasting, 2018, 64, 909-914.	3.2	8
90	Performance Analysis and Code Optimization of IDMA With 5G New Radio LDPC Code. IEEE Communications Letters, 2018, 22, 1552-1555.	4.1	33

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91	Spectral efficiency analysis and pilot reuse factor optimisation for multi-cell massive SC-FDM MIMO. IET Communications, 2018, 12, 1195-1200.	2.2	0
92	Structured Compressive Sensing-Based Channel Estimation for Time Frequency Training OFDM Systems Over Doubly Selective Channel. IEEE Wireless Communications Letters, 2017, 6, 266-269.	5.0	23
93	Bandwidth Efficiency Maximization for Single-Cell Massive Spatial Modulation MIMO: An Adaptive Power Allocation Perspective. IEEE Access, 2017, 5, 1482-1495.	4.2	6
94	A Low-Complexity Detection Algorithm for Uplink NOMA System Based on Gaussian Approximation. , 2017, , .		13
95	On the Achievable Spectral Efficiency of Spatial Modulation Aided Downlink Non-Orthogonal Multiple Access. IEEE Communications Letters, 2017, 21, 1937-1940.	4.1	35
96	Multiuser Detection for FEC-Coded Massive Spatial Modulation MIMO: An Iterative Interference Rejection Approach. IEEE Transactions on Vehicular Technology, 2017, 66, 9567-9571.	6.3	5
97	Integrated power line and visible light communication system compatible with multi-service transmission. IET Communications, 2017, 11, 104-111.	2.2	36
98	On the Multi-User Multi-Cell Massive Spatial Modulation Uplink: How Many Antennas for Each User?. IEEE Transactions on Wireless Communications, 2017, 16, 1437-1451.	9.2	40
99	Experimental Demonstration of a Cubic-Receiver-Based MIMO Visible Light Communication System. IEEE Photonics Journal, 2017, 9, 1-7.	2.0	21
100	On Generalized Spatial Modulation Aided Millimeter Wave MIMO: Spectral Efficiency Analysis and Hybrid Precoder Design. IEEE Transactions on Wireless Communications, 2017, 16, 7658-7671.	9.2	33
101	Basis expansion model based spectral efficient channel estimation scheme for massive MIMO systems. , 2017, , .		1
102	Harvesting both rate gain and diversity gain: Combination of NOMA with the Alamouti scheme. , 2017, , .		13
103	Monte-Carlo simulation-based characteristics of underwater scattering channel. Optical Engineering, 2017, 56, 070501.	1.0	3
104	Spectral efficiency analysis for spatial modulation in massive MIMO uplink over dispersive channels. , 2017, , .		6
105	An iterative-weighted-average algorithm for background modeling in surveillance video scenarios. , 2017, , .		2
106	Spectral Efficiency Analysis for Downlink NOMA Aided Spatial Modulation With Finite Alphabet Inputs. IEEE Transactions on Vehicular Technology, 2017, 66, 10562-10566.	6.3	49
107	Spectral-Efficient Analog Precoding for Generalized Spatial Modulation Aided MmWave MIMO. IEEE Transactions on Vehicular Technology, 2017, 66, 9598-9602.	6.3	21
108	Clipping Noise Elimination for OFDM Systems by Compressed Sensing With Partially Aware Support. IEEE Transactions on Broadcasting, 2017, 63, 103-110.	3.2	22

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109	Hybrid PLC&VLC channel model and spectral estimation using a nonparametric approach. Transactions on Emerging Telecommunications Technologies, 2017, 28, e3224.	3.9	20
110	Generalized Spatial Modulation Aided mmWave MIMO with Sub-Connected Hybrid Precoding Scheme. , 2017, , .		3
111	Iterative uniform-cost search of active antenna group selection for generalised spatial modulation. , 2017, , .		2
112	Basis expansion model based spectral efficient channel recovery scheme for spatial&temporal correlated massive MIMO systems. IET Communications, 2017, 11, 2621-2629.	2.2	2
113	Dynamic Matching Based Distributed Spectrum Trading in Multi-Radio Multi-Channel CRNs. , 2016, , .		1
114	On Massive Spatial Modulation MIMO: Spectral Efficiency Analysis and Optimal System Design. , 2016, , .		9
115	Structured compressive sensing&based non&orthogonal time&domain training channel state information acquisition for multiple input multiple output systems. IET Communications, 2016, 10, 685-690.	2.2	15
116	Spectrally Efficient CSI Acquisition for Power Line Communications: A Bayesian Compressive Sensing Perspective. IEEE Journal on Selected Areas in Communications, 2016, 34, 2022-2032.	14.0	26
117	A Priori Information Aided Iterative Equalization: A Novel Approach for Single-Carrier Spatial Modulation in Dispersive Channels. IEEE Transactions on Vehicular Technology, 2016, , 1-1.	6.3	11
118	Compressive sensing based time-frequency joint non-orthogonal multiple access. , 2016, , .		7
119	Analysis of outage capacity of NOMA: SIC vs. JD. Tsinghua Science and Technology, 2016, 21, 538-543.	6.1	9
120	Nonorthogonal Time&Frequency Training-Sequence-Based CSI Acquisition for MIMO Systems. IEEE Transactions on Vehicular Technology, 2016, 65, 5714-5719.	6.3	26
121	Double Kill: Compressive-Sensing-Based Narrow-Band Interference and Impulsive Noise Mitigation for Vehicular Communications. IEEE Transactions on Vehicular Technology, 2016, 65, 5099-5109.	6.3	67
122	Energy-efficient resource allocation in OFDMA-based wireless multicast systems. , 2015, , .		2
123	Frequency Domain Turbo Equalization under MMSE Criterion for Single Carrier MIMO Systems. , 2015, , .		3
124	Frequency Domain Turbo Equalization with Iterative Channel Estimation for Single Carrier MIMO Underwater Acoustic Communications. , 2015, , .		2
125	Subcarrier Grouping OFDM for Visible-Light Communication Systems. IEEE Photonics Journal, 2015, 7, 1-12.	2.0	12
126	&inline-formula& &tex-math notation="LaTeX"&sell_infty&/tex-math&&/inline-formula& Minimization Based Symbol Detection for Generalized Space Shift Keying. IEEE Communications Letters, 2015, 19, 1109-1112.	4.1	10



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127	Near capacity LDPC coded MU-BICM-ID for 5G. , 2015, , .		11
128	Approach to suppress out-of-band emission for dual pseudo noise padded time-domain synchronous orthogonal frequency division multiplexing systems. IET Communications, 2015, 9, 1606-1614.	2.2	3
129	Extended space shift keying scheme for MIMO channels. , 2014, , .		0
130	Energy-efficient orthogonal frequency division multiplexing scheme based on time-frequency joint channel estimation. IET Communications, 2014, 8, 3406-3413.	2.2	10
131	Joint time-frequency channel estimation method for OFDM systems based on compressive sensing. , 2014, , .		2
132	Bit division multiplexing for MIMO broadcasting system. , 2014, , .		1
133	Energy efficient broadcast radius optimization in cellular networks. , 2014, , .		0
134	Iterative receiver with Turbo equalization and soft demapping in multipath fading channels. , 2014, , .		1
135	Indoor hospital communication systems: An integrated solution based on power line and visible light communication. , 2014, , .		32
136	Compressive Sensing Based Channel Estimation for OFDM Systems Under Long Delay Channels. IEEE Transactions on Broadcasting, 2014, 60, 313-321.	3.2	120
137	Frequency Domain Turbo Equalization under MMSE Criterion for Single Carrier MIMO Systems. , 2014, , .		1
138	Non-intrusive power line quality monitoring based on power line communications. , 2013, , .		13
139	A multiple communication standards compatible IoT system for medical usage. , 2013, , .		16
140	Out-of-band power suppression for TDS-OFDM systems. , 2013, , .		4
141	Adaptive algorithm for OFDM PAPR reduction using clipping-noise guided sign-selection. , 2013, , .		1
142	Non-Equiprobable APSK Constellation Labeling Design for BICM Systems. IEEE Communications Letters, 2013, 17, 1276-1279.	4.1	32
143	OFDM preamble design for synchronization under narrowband interference. , 2013, , .		5
144	Performance analysis of DVB-T2 system: From Shannon limit to implementation. , 2013, , .		1

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145	Multiple-rate multiple-length QC-LDPC codes design with near shannon limit performance. , 2013, , .		5
146	User-based energy-efficient scalable video multicast over wireless networks. , 2013, , .		0
147	Field trial of advanced DTMB system DTMB-A in Hong Kong. , 2013, , .		11
148	Genetic algorithm aided gray-APSK constellation optimization. , 2013, , .		9
149	Spectrum notch techniques for TDS-OFDM system. , 2013, , .		1
150	Play-Out Constrained Dynamic Packet Loss Protection for Scalable Video Transmission. IEICE Transactions on Communications, 2013, E96.B, 1633-1642.	0.7	1
151	An Improved Spectrum Sensing Method for DTMB System Based on PN Autocorrelation. IEICE Transactions on Communications, 2013, E96.B, 1559-1565.	0.7	5
152	PAPR Reduction for Systems Using SRRF Filters Based on Modified ACE. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2013, E96.A, 1675-1677.	0.3	9
153	Simplified Soft Demapping Algorithm for Gray-APSK. IEICE Transactions on Communications, 2013, E96.B, 1814-1818.	0.7	1
154	A dynamic hybrid UXP/ARQ method for scalable video transmission. , 2012, , .		5
155	Design of BICM-ID Systems with Suboptimal Log-MAP Decoding Algorithm. , 2012, , .		0
156	Dual PN padding TDS-OFDM for underwater acoustic communication. , 2012, , .		5
157	Generalised Spatial Modulation System with Multiple Active Transmit Antennas and Low Complexity Detection Scheme. IEEE Transactions on Wireless Communications, 2012, 11, 1605-1615.	9.2	417
158	An EXIT-chart aided optimization of bit mapping for DVB-C2 system. , 2012, , .		0
159	Optimal labeling searching based on classification of unique mapping for BICM-ID with 8-APSK. , 2012, , .		0
160	Reception Quality Prediction in a Single Frequency Network for the DTMB Standard. IEEE Transactions on Broadcasting, 2012, 58, 629-636.	3.2	17
161	EXIT-Aided Bit Mapping Design for LDPC Coded Modulation with APSK Constellations. IEEE Communications Letters, 2012, 16, 777-780.	4.1	32
162	Signal Vector Based Detection Scheme for Spatial Modulation. IEEE Communications Letters, 2012, 16, 19-21.	4.1	77

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163	Novel Transmit Diversity Scheme for TDS-OFDM System With Frequency-Shift m-Sequence Padding. IEEE Transactions on Broadcasting, 2012, 58, 317-324.	3.2	41
164	Novel frame structures of TDS-OFDM system for multi-service transmission. , 2011, , .		0
165	Multi-rate QC-LDPC scheme for narrowband powerline communication system. , 2011, , .		5
166	Timing offset estimation based on novel preamble designs for OFDM system. , 2011, , .		0
167	A Novel Noise Suppression Method in Channel Estimation. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2011, E94-A, 2027-2030.	0.3	8
168	A Measurement Method of the DTMB Modulator. IEEE Transactions on Broadcasting, 2011, 57, 745-751.	3.2	0
169	TDS-OFDMA: a novel multiple access system based on TDS-OFDM. IEEE Transactions on Consumer Electronics, 2011, 57, 1528-1534.	3.6	2
170	Near-capacity BICM-ID for MIMO channels. , 2011, , .		5
171	Coded Modulation with Signal Space Diversity. IEEE Transactions on Wireless Communications, 2011, 10, 660-669.	9.2	43
172	Novel Synchronization Algorithm for Flexible Sub-Carrier OFDM System. , 2011, , .		1
173	Novel Channel Estimation Method Based on Training Sequence Cyclic Reconstruction for TDS-OFDM System. IEICE Transactions on Communications, 2011, E94-B, 2158-2160.	0.7	7
174	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.	0.3	2
175	Designs of Differential Space-Time and Space-Frequency Coded OFDM Schemes. Wireless Personal Communications, 2010, 52, 195-208.	2.7	0
176	Quantization Error Reduction for the Phased Array with 2-bit Phase Shifter. Wireless Personal Communications, 2010, 52, 29-41.	2.7	12
177	A Novel Equalization Scheme for ZP-OFDM System Over Deep Fading Channels. IEEE Transactions on Broadcasting, 2010, 56, 249-252.	3.2	11
178	Embedded Transmission of Multi-Service Over DTMB System. IEEE Transactions on Broadcasting, 2010, 56, 504-513.	3.2	10
179	A measurement method of the DTMB modulator. , 2010, , .		0
180	Efficient Rate-Adaptive Modulation for LDPC-Coded OFDM System. , 2010, , .		0

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181	Labeling Optimization for BICM-ID Systems. IEEE Communications Letters, 2010, 14, 1047-1049.	4.1	15
182	The novel approach to support multimedia services over DTMB system. , 2010, , .		2
183	Joint Code Acquisition and Doppler Frequency Shift Estimation for GPS Signals. , 2010, , .		10
184	Technical Review for Chinese Future DTTB System. , 2010, , .		4
185	Multi-standard Integrated Network convergence for Global Mobile and Broadcast technologies. , 2010, , .		0
186	A Novel PN Complementary Pair for Synchronization and Channel Estimation. IEICE Transactions on Communications, 2010, E93-B, 3189-3192.	0.7	7
187	Simplified Decision-Directed Channel Estimation Method for OFDM System with Transmit Diversity. , 2009, , .		5
188	Bit-Interleaved LDPC-Coded Modulation with Iterative Demapping and Decoding. , 2009, , .		20
189	Transmit Diversity Scheme and Flexible Channel Estimation for TDS-OFDM System. , 2009, , .		5
190	Low Complexity Soft Decoder for Nordstrom-Robinson Code With Application to the Chinese DTTB Standard. IEEE Transactions on Broadcasting, 2009, 55, 668-673.	3.2	3
191	Low-Complexity Implementation of PN Correlator for Wireless Transmission Systems. , 2009, , .		0
192	High-Throughput QC-LDPC Decoders. IEEE Transactions on Broadcasting, 2009, 55, 251-259.	3.2	25
193	Implementation of training-sequence based carrier frequency offset estimator with multi-correlation-lag. , 2009, , .		1
194	A multi-user uplink TDS-OFDM system based on dual PN sequence padding. IEEE Transactions on Consumer Electronics, 2009, 55, 1098-1106.	3.6	8
195	Channel Estimation Based on Space-Time-Frequency Coded Training Sequence for Transmit Diversity System. IEICE Transactions on Communications, 2009, E92-B, 1901-1903.	0.7	10
196	Novel Consecutive-Pilot Design for Phase Noise Suppression in OFDM System. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2009, E92-A, 1704-1707.	0.3	0
197	Training Sequence Design for Low Complexity Channel Estimation in Transmit Diversity TDS-OFDM System. IEICE Transactions on Communications, 2009, E92-B, 2308-2311.	0.7	8
198	Two-way digital video transmission over medium-voltage power-lines using time-domain synchronous orthogonal frequency division multiplexing technology. Tsinghua Science and Technology, 2008, 13, 784-789.	6.1	3

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199	Robust Frame Synchronization for Chinese DTTB System. IEEE Transactions on Broadcasting, 2008, 54, 152-158.	3.2	23
200	A Simplified Equalization Method for Dual PN-Sequence Padding TDS-OFDM Systems. IEEE Transactions on Broadcasting, 2008, 54, 825-830.	3.2	77
201	Novel channel estimation method based on PN sequence reconstruction for Chinese DTTB system. IEEE Transactions on Consumer Electronics, 2008, 54, 1583-1589.	3.6	32
202	LDPC coded modulation with unequal protection. , 2008, , .		0
203	Guard-interval mode detection method for the Chinese DTTB System. , 2008, , .		5
204	Modeling and Measuring of Weak Frequency Selectivity in OFDM Modulator. , 2008, , .		3
205	Joint synchronization for TDS block transmission with scalable guard interval padding. , 2008, , .		0
206	Soft-quantized demodulation for BPSK over discrete-time memoryless fading channel. , 2008, , .		1
207	Novel decision-directed channel estimation method for TDS-OFDM system. , 2008, , .		5
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