

Yong Liang Guan

List of Publications by Year in descending order

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453
papers

10,017
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455
all docs

455
docs citations

455
times ranked

7039
citing authors

#	ARTICLE	IF	CITATIONS
1	On Sensing Performance of Multi-Antenna Mobile Cognitive Radio Conditioned on Primary User Activity Statistics. IEEE Transactions on Wireless Communications, 2022, 21, 3381-3394.	9.2	5
2	Power Allocation-Aided Enhanced SM-OFDM: Closed-Form Solutions and Experimental Results. IEEE Transactions on Vehicular Technology, 2022, 71, 2146-2151.	6.3	3
3	Robust Deep Learning-Based End-to-End Receiver for OFDM System With Non-Linear Distortion. IEEE Communications Letters, 2022, 26, 340-344.	4.1	6
4	A Blockchain Based Federated Learning for Message Dissemination in Vehicular Networks. IEEE Transactions on Vehicular Technology, 2022, 71, 1927-1940.	6.3	31
5	Impact of Primary User Activity Statistics in Cognitive Vehicular Networks. IEEE Transactions on Vehicular Technology, 2022, 71, 2859-2873.	6.3	5
6	Learning to Schedule Joint Radar-Communication With Deep Multi-Agent Reinforcement Learning. IEEE Transactions on Vehicular Technology, 2022, 71, 406-422.	6.3	11
7	Near-Optimal BEM OTFS Receiver With Low Pilot Overhead for High-Mobility Communications. IEEE Transactions on Communications, 2022, 70, 3392-3406.	7.8	14
8	Deep Reinforcement Learning for Time Allocation and Directional Transmission in Joint Radar-Communication. , 2022, , .		0
9	Hierarchical BEM Based Channel Estimation With Very Low Pilot Overhead for High Mobility MIMO-OFDM Systems. IEEE Transactions on Vehicular Technology, 2022, 71, 10543-10558.	6.3	7
10	Federated Spectrum Learning for Reconfigurable Intelligent Surfaces-Aided Wireless Edge Networks. IEEE Transactions on Wireless Communications, 2022, 21, 9610-9626.	9.2	8
11	Multiagent Deep Reinforcement Learning for Cost- and Delay-Sensitive Virtual Network Function Placement and Routing. IEEE Transactions on Communications, 2022, 70, 5208-5224.	7.8	7
12	A Proof-of-Quality-Factor (PoQF)-Based Blockchain and Edge Computing for Vehicular Message Dissemination. IEEE Internet of Things Journal, 2021, 8, 2468-2482.	8.7	37
13	Blockchain for the Internet of Vehicles Towards Intelligent Transportation Systems: A Survey. IEEE Internet of Things Journal, 2021, 8, 4157-4185.	8.7	213
14	Intelligent Task Offloading for Heterogeneous V2X Communications. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 2226-2238.	8.0	71
15	Physical Layer Security in Cognitive Vehicular Networks. IEEE Transactions on Communications, 2021, 69, 2557-2569.	7.8	13
16	Distributed Spectrum Sensing for Cognitive Vehicular Networks using Quasi-Newton Optimization. , 2021, , .		1
17	Performance Analysis of NOMA in Vehicular Communications Over i.n.i.d Nakagami- m Fading Channels. IEEE Transactions on Wireless Communications, 2021, 20, 6254-6268.	9.2	18
18	Perturbed Adaptive Belief Propagation Decoding for High-Density Parity-Check Codes. IEEE Transactions on Communications, 2021, 69, 2065-2079.	7.8	8

#	ARTICLE	IF	CITATIONS
19	Edge Intelligence for Autonomous Driving in 6G Wireless System: Design Challenges and Solutions. IEEE Wireless Communications, 2021, 28, 40-47.	9.0	63
20	Fast GAMP Algorithm for Nonlinearly Distorted OFDM Signals. IEEE Communications Letters, 2021, 25, 1682-1686.	4.1	9
21	Multi-Dimensional Polarized Modulation for Land Mobile Satellite Communications. IEEE Transactions on Cognitive Communications and Networking, 2021, 7, 383-397.	7.9	10
22	Performance Analysis of Space-Time Line Code in Correlated Fading Channels. IEEE Transactions on Vehicular Technology, 2021, 70, 6244-6248.	6.3	6
23	Support Vector Machine-Based Blind Equalization for High-Order QAM With Short Data Length. IEEE Signal Processing Letters, 2021, 28, 259-263.	3.6	6
24	Learning to Schedule Joint Radar-Communication Requests for Optimal Information Freshness. , 2021, , .		4
25	Analysis of Innovative Rank of Batched Network Codes for Wireless Relay Networks. , 2021, , .		4
26	Spectrum-Learning-Aided Reconfigurable Intelligent Surfaces for "Green" 6G Networks. IEEE Network, 2021, 35, 20-26.	6.9	12
27	Reconfigurable Intelligent Surface for Low-Latency Edge Computing in 6G. IEEE Wireless Communications, 2021, 28, 72-79.	9.0	16
28	Collaborative Radio SLAM for Multiple Robots based on WiFi Fingerprint Similarity. , 2021, , .		2
29	Oligo Design with Single Primer Binding Site for High Capacity DNA-Based Data Storage. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2020, 17, 2176-2182.	3.0	10
30	Cooperative positioning for emergency responders using self IMU and peer-to-peer radios measurements. Information Fusion, 2020, 56, 93-102.	19.1	44
31	New Sets of Optimal Odd-Length Binary Z-Complementary Pairs. IEEE Transactions on Information Theory, 2020, 66, 669-678.	2.4	30
32	Collaborative SLAM Based on WiFi Fingerprint Similarity and Motion Information. IEEE Internet of Things Journal, 2020, 7, 1826-1840.	8.7	61
33	Pilot Design for BEM-Based Channel Estimation in Doubly Selective Channel. IEEE Transactions on Vehicular Technology, 2020, 69, 1679-1694.	6.3	9
34	A Novel Receiver Design of Nonorthogonal FDM Systems in Underwater Acoustics Communication. IEEE Systems Journal, 2020, 14, 3875-3884.	4.6	9
35	Cross Z-Complementary Pairs (CZCPs) for Optimal Training in Broadband Spatial Modulation Systems. , 2020, , .		4
36	On the energy detection performance of multi-antenna correlated receiver for vehicular communication using MGF approach. IET Communications, 2020, 14, 1858-1868.	2.2	6

#	ARTICLE	IF	CITATIONS
37	Doppler Resilient Orthogonal Time-Frequency Space (OTFS) Systems Based on Index Modulation. , 2020, , .		33
38	New Complementary Sets With Low PAPR Property Under Spectral Null Constraints. IEEE Transactions on Information Theory, 2020, 66, 7022-7032.	2.4	7
39	Finite-Length Performance Analysis of LDPC Coded Continuous Phase Modulation. IEEE Transactions on Vehicular Technology, 2020, 69, 12277-12280.	6.3	3
40	On Physical Layer Security over $\hat{\Gamma}_{\pm} - \hat{\Gamma} - \hat{\Gamma}^{\circ} - \hat{\Gamma}^{\frac{1}{4}}$ Fading for Relay based Vehicular Networks. , 2020, , .		1
41	Thermodynamically Stable DNA Code Design using a Similarity Significance Model. , 2020, , .		3
42	Communication and Computing Resource Optimization for Connected Autonomous Driving. IEEE Transactions on Vehicular Technology, 2020, 69, 12652-12663.	6.3	28
43	Impact of Big Vehicle Shadowing on Vehicle-to-Vehicle Communications. IEEE Transactions on Vehicular Technology, 2020, 69, 6902-6915.	6.3	15
44	Efficient, Fair, and QoS-Aware Policies for Wirelessly Powered Communication Networks. IEEE Transactions on Communications, 2020, 68, 5892-5907.	7.8	2
45	BEM-PSP for Single-Carrier and SC-FDMA Communication Over a Doubly Selective Fading Channel. IEEE Transactions on Wireless Communications, 2020, 19, 3924-3937.	9.2	12
46	Cellular-V2X Communications With Weighted-Power-Based Mode Selection. IEEE Open Journal of the Communications Society, 2020, 1, 386-400.	6.9	6
47	Random NOMA With Cross-Slot Successive Interference Cancellation Packet Recovery. IEEE Wireless Communications Letters, 2020, , 1-1.	5.0	0
48	User Activity Detection and Channel Estimation for Grant-Free Random Access in LEO Satellite-Enabled Internet of Things. IEEE Internet of Things Journal, 2020, 7, 8811-8825.	8.7	81
49	Low-PMEPR Preamble Sequence Design for Dynamic Spectrum Allocation in OFDMA Systems. IEEE Transactions on Communications, 2020, 68, 2922-2933.	7.8	5
50	Cross Z-Complementary Pairs for Optimal Training in Spatial Modulation Over Frequency Selective Channels. IEEE Transactions on Signal Processing, 2020, 68, 1529-1543.	5.3	16
51	Performance Analysis of NOMA aided Cooperative Relaying over $\hat{\Gamma}_{\pm} - \hat{\Gamma} - \hat{\Gamma}^{\circ} - \hat{\Gamma}^{\mu}$ Fading Channels. , 2020, , .		1
52	Performance Analysis of Arbitrary Correlated Multiantenna Receiver for Mobile Cognitive User. , 2020, , .		3
53	Secrecy Throughput Maximization for Full-Duplex Wireless Powered Communication Networks. , 2019, , .		0
54	Cooperative Cache Transfer-based On-demand Network Coded Broadcast in Vehicular Networks. Transactions on Embedded Computing Systems, 2019, 18, 1-20.	2.9	4

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55	Adaptive Spatial Modulation MIMO Based on Machine Learning. IEEE Journal on Selected Areas in Communications, 2019, 37, 2117-2131.	14.0	70
56	A New Insight Into GAMP and AMP. IEEE Transactions on Vehicular Technology, 2019, 68, 8264-8269.	6.3	20
57	On the Joint Impact of SU Mobility and PU Activity in Cognitive Vehicular Networks with Improved Energy Detection. , 2019, , .		7
58	Optimized Code Design for Constrained DNA Data Storage With Asymmetric Errors. IEEE Access, 2019, 7, 84107-84121.	4.2	21
59	Low Complexity Detection Algorithms for OTFS under Rapidly Time-Varying Channel. , 2019, , .		45
60	Space-Time/Frequency Line Coded OFDM: System Design and Practical Implementation. IEEE Access, 2019, 7, 151915-151928.	4.2	22
61	DNN-Aided Block Sparse Bayesian Learning for User Activity Detection and Channel Estimation in Grant-Free Non-Orthogonal Random Access. IEEE Transactions on Vehicular Technology, 2019, 68, 12000-12012.	6.3	53
62	Broadcast Performance Analysis and Improvements of the LTE-V2V Autonomous Mode at Road Intersection. IEEE Transactions on Vehicular Technology, 2019, 68, 9359-9369.	6.3	54
63	Unimodular Sequence Design with Good Local Auto- and Cross-Ambiguity Function for MSPSR System. , 2019, , .		4
64	On the Energy Detection Performance of Arbitrarily Correlated Dual Antenna Receiver for Vehicular Communication. IEEE Communications Letters, 2019, 23, 1186-1189.	4.1	8
65	DNN-Aided Message Passing Based Block Sparse Bayesian Learning for Joint User Activity Detection and Channel Estimation. , 2019, , .		3
66	Achieve Privacy-Preserving Priority Classification on Patient Health Data in Remote eHealthcare System. IEEE Access, 2019, 7, 33565-33576.	4.2	24
67	Deep neural network-aided Gaussian message passing detection for ultra-reliable low-latency communications. Future Generation Computer Systems, 2019, 95, 629-638.	7.5	11
68	Capacity-Achieving MIMO-NOMA: Iterative LMMSE Detection. IEEE Transactions on Signal Processing, 2019, 67, 1758-1773.	5.3	73
69	Construction of Bio-Constrained Code for DNA Data Storage. IEEE Communications Letters, 2019, 23, 963-966.	4.1	46
70	Secrecy Throughput Maximization for Full-Duplex Wireless Powered IoT Networks Under Fairness Constraints. IEEE Internet of Things Journal, 2019, 6, 6964-6976.	8.7	19
71	Variable-Rate Coding With Constant BER for NOMA via Multilevel IRA Coding. IEEE Transactions on Vehicular Technology, 2019, 68, 5149-5153.	6.3	4
72	Optimal Power Allocation for Diffusion-Type Sensor Networks With Wireless Information and Power Transfer. IEEE Access, 2019, 7, 32408-32422.	4.2	3

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73	An efficient and privacy-preserving pre-clinical guide scheme for mobile eHealthcare. Journal of Information Security and Applications, 2019, 46, 271-280.	2.5	10
74	Packet Efficiency of BATS Coding on Wireless Relay Network with Overhearing. , 2019, , .		13
75	A V2X Communication System Test on Sea. , 2019, , .		1
76	Energy harvesting two-way relaying with antenna selection scheme. IET Communications, 2019, 13, 198-204.	2.2	5
77	Mobile Robot Localization Based On Low-Cost LTE And Odometry In GPS-Denied Outdoor Environment. , 2019, , .		5
78	Secrecy Throughput Maximization for Massive MIMO Wireless Powered Communication Networks. , 2019, , .		3
79	A Request-Transmission Splitting Scheme for V2X Networks: Design and Throughput Analysis. IEEE Access, 2019, 7, 158317-158325.	4.2	3
80	High capacity DNA data storage with variable-length Oligonucleotides using repeat accumulate code and hybrid mapping. Journal of Biological Engineering, 2019, 13, 89.	4.7	26
81	Range/Doppler Sidelobe Suppression in Moving Target Detection Based on Time-Frequency Binomial Design. , 2019, , .		4
82	New Optimal Binary Z -Complementary Pairs of Odd Length 2^m+3 . IEEE Signal Processing Letters, 2019, 26, 1931-1934.	3.6	21
83	Gaussian Message Passing for Overloaded Massive MIMO-NOMA. IEEE Transactions on Wireless Communications, 2019, 18, 210-226.	9.2	70
84	Low-Complexity Single-Channel Blind Separation of Co-Frequency Coded Signals. IEEE Communications Letters, 2018, 22, 990-993.	4.1	12
85	Reversible and Fast Responsive Optical Fiber Relative Humidity Sensor Based on Polyelectrolyte Self-Assembly Multilayer Film. IEEE Sensors Journal, 2018, 18, 1081-1086.	4.7	16
86	Spectrally-Constrained Sequences: Bounds and Constructions. IEEE Transactions on Information Theory, 2018, 64, 2571-2582.	2.4	19
87	Expanding-Window BATS Code for Scalable Video Multicasting Over Erasure Networks. IEEE Transactions on Multimedia, 2018, 20, 271-281.	7.2	16
88	Design Guidelines of Low-Density Parity-Check Codes for Magnetic Recording Systems. IEEE Communications Surveys and Tutorials, 2018, 20, 1574-1606.	39.4	49
89	A Multiplier-Free Generator for Polyphase Complete Complementary Codes. IEEE Transactions on Signal Processing, 2018, 66, 1184-1196.	5.3	45
90	Impact of estimation error on two-way relaying with relay antenna selection. ICT Express, 2018, 4, 149-153.	4.8	0

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91	Performance Analysis of IEEE 802.11p Safety Message Broadcast With and Without Relaying at Road Intersection. IEEE Access, 2018, 6, 23786-23799.	4.2	56
92	Efficient Real-Time Coding-Assisted Heterogeneous Data Access in Vehicular Networks. IEEE Internet of Things Journal, 2018, 5, 3499-3512.	8.7	24
93	Analysis and Improvement of Reliability Through Coding for Safety Message Broadcasting in Urban Vehicular Networks. IEEE Transactions on Vehicular Technology, 2018, 67, 6774-6787.	6.3	27
94	Design and Analysis of Anytime Codes for Relay Channels. IEEE Transactions on Communications, 2018, 66, 1349-1362.	7.8	2
95	Batched Network Coding With Adaptive Recoding for Multi-Hop Erasure Channels With Memory. IEEE Transactions on Communications, 2018, 66, 1042-1052.	7.8	22
96	Decision-Directed Retention-Failure Recovery With Channel Update for MLC NAND Flash Memory. IEEE Transactions on Circuits and Systems I: Regular Papers, 2018, 65, 353-365.	5.4	17
97	Link Adaption aided Enhanced Spatial Modulation for MIMO Transmissions. , 2018, , .		2
98	Blind Multi-User Detection of Co-Frequency Signals with Unknown Carrier Frequency Offsets. , 2018, , .		1
99	Pilot design for channel estimation in Doubly Selective Channel. , 2018, , .		1
100	Spatial Modulation Based on Supervised Learning. , 2018, , .		1
101	A Comprehensive Study of IoT and WSN MAC Protocols: Research Issues, Challenges and Opportunities. IEEE Access, 2018, 6, 76228-76262.	4.2	86
102	V2X Content Distribution Based on Batched Network Coding With Distributed Scheduling. IEEE Access, 2018, 6, 59449-59461.	4.2	16
103	Enabling Efficient and Privacy-Preserving Health Query Over Outsourced Cloud. IEEE Access, 2018, 6, 70831-70842.	4.2	8
104	Block Pilot Based Channel Estimation and High-Accuracy Signal Detection for GSM-OFDM Systems on High-Speed Railways. IEEE Transactions on Vehicular Technology, 2018, 67, 11525-11536.	6.3	13
105	CPM Training Waveforms With Autocorrelation Sidelobes Close to Zero. IEEE Transactions on Vehicular Technology, 2018, 67, 11269-11273.	6.3	5
106	Practical relay code design based on protograph codes. IET Communications, 2018, 12, 334-339.	2.2	0
107	New Sets of Even-Length Binary Z-Complementary Pairs With Asymptotic ZCZ Ratio of $\frac{3}{4}$. IEEE Signal Processing Letters, 2018, 25, 970-973.	3.6	51
108	Practical MIMO-NOMA: Low Complexity and Capacity-Approaching Solution. IEEE Transactions on Wireless Communications, 2018, 17, 6251-6264.	9.2	57

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109	Optimal Scheduling for Multi-Hop Video Streaming with Network Coding in Vehicular Networks. , 2018, , .		5
110	A Semi-Empirical Performance Study of Two-Hop DSRC Message Relaying at Road Intersections. Information (Switzerland), 2018, 9, 147.	2.9	16
111	Design of Chirp Waveforms for Multiple-Access Ultrasonic Indoor Positioning. IEEE Sensors Journal, 2018, 18, 6375-6390.	4.7	34
112	Delay-Universal Channel Coding With Feedback. IEEE Access, 2018, 6, 37918-37931.	4.2	8
113	Multidomain Index Modulation for Vehicular and Railway Communications: A Survey of Novel Techniques. IEEE Vehicular Technology Magazine, 2018, 13, 124-134.	3.4	39
114	Recent development of fiber-optic chemical sensors and biosensors: Mechanisms, materials, micro/nano-fabrications and applications. Coordination Chemistry Reviews, 2018, 376, 348-392.	18.8	179
115	Overcoming Endurance Issue: UAV-Enabled Communications With Proactive Caching. IEEE Journal on Selected Areas in Communications, 2018, 36, 1231-1244.	14.0	136
116	Applications of Temporal Network Coding in V2X Communications. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2018, , 53-63.	0.3	0
117	Quasi-Universal BATS Code. IEEE Transactions on Vehicular Technology, 2017, 66, 3497-3501.	6.3	14
118	Asymptotically Locally Optimal Weight Vector Design for a Tighter Correlation Lower Bound of Quasi-Complementary Sequence Sets. IEEE Transactions on Signal Processing, 2017, 65, 3107-3119.	5.3	16
119	Adaptive SM-MIMO for mmWave Communications With Reduced RF Chains. IEEE Journal on Selected Areas in Communications, 2017, 35, 1472-1485.	14.0	37
120	Lens MIMO based millimeter wave broadcast channel. , 2017, , .		0
121	Training Sequence Design for Efficient Channel Estimation in MIMO-FBMC Systems. IEEE Access, 2017, 5, 4747-4758.	4.2	35
122	Mitigating Stuck Cell Failures in MLC NAND Flash Memory via Inferred Erasure Decoding. IEEE Transactions on Very Large Scale Integration (VLSI) Systems, 2017, 25, 2285-2295.	3.1	2
123	Spatial-Temporal Network Coding Based on BATS Code. IEEE Communications Letters, 2017, 21, 620-623.	4.1	5
124	Retention-Aware Belief-Propagation Decoding for NAND Flash Memory. IEEE Transactions on Circuits and Systems II: Express Briefs, 2017, 64, 725-729.	3.0	20
125	Edge-Based Dynamic Scheduling for Belief-Propagation Decoding of LDPC and RS Codes. IEEE Transactions on Communications, 2017, 65, 525-535.	7.8	19
126	A New Transmit Beamforming Scheme for Bidirectional Relaying. Wireless Personal Communications, 2017, 97, 5929-5939.	2.7	1

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127	Joint Source-Channel Coding for Asymmetric Slepian-Wolf Multiple Access Relay Channel. IEEE Wireless Communications Letters, 2017, 6, 642-645.	5.0	1
128	An Improved Hybrid Turbo Equalizer for Single Carrier Transmission with Impulsive Noise and ISI. IEEE Transactions on Vehicular Technology, 2017, 66, 9852-9861.	6.3	6
129	Chirp Spread Spectrum Toward the Nyquist Signaling Rateâ€™Orthogonality Condition and Applications. IEEE Signal Processing Letters, 2017, 24, 1488-1492.	3.6	48
130	Two-Valued Periodic Complementary Sequences. IEEE Signal Processing Letters, 2017, 24, 1270-1274.	3.6	9
131	Low-Complexity Belief-Propagation Decoding via Dynamic Silent-Variable-Node-Free Scheduling. IEEE Communications Letters, 2017, 21, 28-31.	4.1	19
132	Informed Fixed Scheduling for Faster Convergence of Shuffled Belief-Propagation Decoding. IEEE Communications Letters, 2017, 21, 32-35.	4.1	21
133	Precoder Designs for the Relay-Aided X Channel Without Source CSI. IEEE Transactions on Signal Processing, 2017, 65, 41-55.	5.3	4
134	New optimal binary Z-complementary pairs of odd lengths. , 2017, , .		13
135	A frequency-domain approach to tightening the generalized levenshtein bound. , 2017, , .		1
136	BSM dissemination with network coded relaying in VANETs at NLOS intersections. , 2017, , .		5
137	Single-channel blind separation of co-frequency PSK signals with unknown carrier frequency offsets. , 2017, , .		6
138	Sparse Vector Recovery: Bernoulli-Gaussian Message Passing. , 2017, , .		8
139	Convergence Analysis and Assurance for Gaussian Message Passing Iterative Detector in Massive MU-MIMO Systems. IEEE Transactions on Wireless Communications, 2016, 15, 6487-6501.	9.2	90
140	Parallel matricization for n-D array operations. , 2016, , .		0
141	Gaussian Message Passing Iterative Detection for MIMO-NOMA Systems with Massive Access. , 2016, , .		29
142	Spatially coupled repeat-accumulate codes over half-duplex relay channel. , 2016, , .		1
143	BATS code with unequal error protection. , 2016, , .		10
144	Semiblind Interference Alignment: A New Framework. IEEE Signal Processing Letters, 2016, 23, 580-584.	3.6	0

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145	Transmit Antenna Selection for Multiple-Input Multiple-Output Spatial Modulation Systems. IEEE Transactions on Communications, 2016, 64, 2035-2048.	7.8	60
146	Degrees of Freedom of Three-User SISO-X Networks With Hybrid CSI at the Transmitters. IEEE Communications Letters, 2016, 20, 1002-1005.	4.1	2
147	On striking the balance between the fairness of service and throughput in roadside units based vehicular ad hoc networks. International Journal of Vehicle Autonomous Systems, 2016, 13, 168.	0.2	1
148	An Experiment on Delay-tolerant MIMO Visible Light Communication System. Procedia Engineering, 2016, 140, 176-182.	1.2	3
149	Capacity-achieving iterative LMMSE detection for MIMO-NOMA systems. , 2016, , .		31
150	Optimal Binary Periodic Almost-Complementary Pairs. IEEE Signal Processing Letters, 2016, 23, 1816-1820.	3.6	12
151	Finite-length extrinsic information transfer analysis and design of protograph low-density parity-check codes for ultra-high-density magnetic recording channels. IET Communications, 2016, 10, 1303-1311.	2.2	4
152	Network Coding Based BSM Broadcasting at Road Intersection in V2V Communication. , 2016, , .		7
153	Improved orthogonal frequency division multiplexing with generalised index modulation. IET Communications, 2016, 10, 969-974.	2.2	25
154	Rate-Compatible Root-Protograph LDPC Codes for Quasi-Static Fading Relay Channels. IEEE Transactions on Vehicular Technology, 2016, 65, 2741-2747.	6.3	27
155	Detector for MLC NAND Flash Memory Using Neighbor- <i>A-Priori</i> Information. IEEE Transactions on Very Large Scale Integration (VLSI) Systems, 2016, 24, 2827-2836.	3.1	12
156	Two-Phase Cooperative Broadcasting Based on Batched Network Code. IEEE Transactions on Communications, 2016, 64, 706-714.	7.8	18
157	16-QAM Almost-Complementary Sequences With Low PMEPR. IEEE Transactions on Communications, 2016, 64, 668-679.	7.8	23
158	Single-Carrier SM-MIMO: A Promising Design for Broadband Large-Scale Antenna Systems. IEEE Communications Surveys and Tutorials, 2016, 18, 1687-1716.	39.4	200
159	Read and Write Voltage Signal Optimization for Multi-Level-Cell (MLC) NAND Flash Memory. IEEE Transactions on Communications, 2016, 64, 1613-1623.	7.8	52
160	Transmit Precoded Spatial Modulation: Maximizing the Minimum Euclidean Distance Versus Minimizing the Bit Error Ratio. IEEE Transactions on Wireless Communications, 2016, 15, 2054-2068.	9.2	100
161	Degrees of freedom of three-user SISO interference channels under hybrid CSI at the transmitters. , 2015, , .		0
162	Optimal wireless power transfer and harvested power allocation for diffusion LMS in wireless sensor networks. , 2015, , .		3

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163	Reliable broadcast to a user group with limited source transmissions. , 2015, , .		2
164	Finite-length EXIT analysis for protograph-coded two-dimensional ISI channels. , 2015, , .		0
165	A low-complexity Gaussian message passing iterative detector for massive MU-MIMO systems. , 2015, , .		10
166	File distribution in wireless broadcast network: A unified performance comparison. , 2015, , .		0
167	A blind and partial interference alignment scheme based on pulse shaping for 3-user SISO interference channel. , 2015, , .		0
168	Low-complexity quantization-aware belief-propagation (QA-BP) decoding for MLC NAND flash memory. , 2015, , .		6
169	Multi-source erasure networks with source precoding and random linear network coding. , 2015, , .		0
170	ICI-Resilient Cognitive Radio Sequences for Transform Domain Communication Systems. , 2015, , .		0
171	Reduced functional dependence graphs. IET Networks, 2015, 4, 102-110.	1.8	0
172	Ultrawideband Channel Estimation: A Bayesian Compressive Sensing Strategy Based on Statistical Sparsity. IEEE Transactions on Vehicular Technology, 2015, 64, 1819-1832.	6.3	22
173	Performance Analysis of Network Coding With Virtual Overhearing in Wireless Networks. IEEE Transactions on Vehicular Technology, 2015, 64, 2051-2061.	6.3	5
174	Novel Joint Detection and Decoding Schemes for TDMR Channels. IEEE Transactions on Magnetics, 2015, 51, 1-6.	2.1	4
175	A Survey on Protograph LDPC Codes and Their Applications. IEEE Communications Surveys and Tutorials, 2015, 17, 1989-2016.	39.4	130
176	Wireless energy harvesting for the Internet of Things. , 2015, 53, 102-108.		511
177	Detection of single carrier transmission in frequency selective fading channels with symmetric alpha-stable noise. , 2015, , .		0
178	Optimal spectrally-constrained sequences. , 2015, , .		4
179	Single-channel blind separation of co-frequency MPSK signals based on PSP algorithm with DFSE. , 2015, , .		7
180	Finite-SNR Precoder Designs for the Interference Relay Channel Without CSI at the transmitters. IEEE Transactions on Communications, 2015, 63, 4754-4767.	7.8	2

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181	Turbo equalization for waveforms encoded by Reed Solomon codes. , 2015, , .		1
182	Asymptotic performance analysis of protograph LDPC-coded STBC systems in fading channels. , 2015, , .		5
183	Fractional-Delay-Resilient Receiver Design for Interference-Free MC-CDMA Communications Based on Complete Complementary Codes. IEEE Transactions on Wireless Communications, 2015, 14, 1226-1236.	9.2	55
184	Throughput Optimization for Massive MIMO Systems Powered by Wireless Energy Transfer. IEEE Journal on Selected Areas in Communications, 2015, , 1-1.	14.0	260
185	Cooperative quadrature physical layer network coding in wireless relay networks. International Journal of Communication Systems, 2015, 28, 112-126.	2.5	4
186	Sensing-throughput tradeoff for cooperative multiple-input single-output cognitive radio. International Journal of Communication Systems, 2015, 28, 848-860.	2.5	7
187	Implementation aspects for interference alignment. , 2015, , .		0
188	Multi-antenna Wireless Energy Transfer for Backscatter Communication Systems. IEEE Journal on Selected Areas in Communications, 2015, 33, 2974-2987.	14.0	121
189	Generalization of Orthogonal Frequency Division Multiplexing With Index Modulation. IEEE Transactions on Wireless Communications, 2015, 14, 5350-5359.	9.2	252
190	Improving the Belief-Propagation Convergence of Irregular LDPC Codes Using Column-Weight Based Scheduling. IEEE Communications Letters, 2015, 19, 1283-1286.	4.1	26
191	A survey of inter-flow network coding in wireless mesh networks with unicast traffic. Computer Networks, 2015, 91, 738-751.	5.1	26
192	Design and Analysis of Root-Protograph LDPC Codes for Non-Ergodic Block-Fading Channels. IEEE Transactions on Wireless Communications, 2015, 14, 738-749.	9.2	29
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