Yong Liang Guan

List of Publications by Year
in descending order

453	10,017	44042	62565
papers	citations	48	80
		h-index	g-index

455	455	455	7039
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Wireless energy harvesting for the Internet of Things. , 2015, 53, 102-108.		511
2	Optimization of Cooperative Sensing in Cognitive Radio Networks: A Sensing-Throughput Tradeoff View. IEEE Transactions on Vehicular Technology, 2009, 58, 5294-5299.	3.9	405
3	Modeling and Analysis of Noise Effects on Broadband Power-Line Communications. IEEE Transactions on Power Delivery, 2005, 20, 630-637.	2.9	306
4	Throughput Optimization for Massive MIMO Systems Powered by Wireless Energy Transfer. IEEE Journal on Selected Areas in Communications, 2015, , 1-1.	9.7	260
5	Modeling of Transfer Characteristics for the Broadband Power Line Communication Channel. IEEE Transactions on Power Delivery, 2004, 19, 1057-1064.	2.9	254
6	Generalization of Orthogonal Frequency Division Multiplexing With Index Modulation. IEEE Transactions on Wireless Communications, 2015, 14, 5350-5359.	6.1	252
7	Blockchain for the Internet of Vehicles Towards Intelligent Transportation Systems: A Survey. IEEE Internet of Things Journal, 2021, 8, 4157-4185.	5.5	213
8	Quasi-orthogonal STBC with minimum decoding complexity. IEEE Transactions on Wireless Communications, 2005, 4, 2089-2094.	6.1	208
9	Single-Carrier SM-MIMO: A Promising Design for Broadband Large-Scale Antenna Systems. IEEE Communications Surveys and Tutorials, 2016, 18, 1687-1716.	24.8	200
10	Recent development of fiber-optic chemical sensors and biosensors: Mechanisms, materials, micro/nano-fabrications and applications. Coordination Chemistry Reviews, 2018, 376, 348-392.	9.5	179
11	Indoor Elliptical Localization Based on Asynchronous UWB Range Measurement. IEEE Transactions on Instrumentation and Measurement, 2011, 60, 248-257.	2.4	152
12	Overcoming Endurance Issue: UAV-Enabled Communications With Proactive Caching. IEEE Journal on Selected Areas in Communications, 2018, 36, 1231-1244.	9.7	136
13	A Survey on Protograph LDPC Codes and Their Applications. IEEE Communications Surveys and Tutorials, 2015, 17, 1989-2016.	24.8	130
14	Transmit Optimization With Improper Gaussian Signaling for Interference Channels. IEEE Transactions on Signal Processing, 2013, 61, 2899-2913.	3.2	121
15	Multi-antenna Wireless Energy Transfer for Backscatter Communication Systems. IEEE Journal on Selected Areas in Communications, 2015, 33, 2974-2987.	9.7	121
16	Dynamic Resource Allocation for Multiple-Antenna Wireless Power Transfer. IEEE Transactions on Signal Processing, 2014, 62, 3565-3577.	3.2	114
17	Security Protection of DICOM Medical Images Using Dual-Layer Reversible Watermarking with Tamper Detection Capability. Journal of Digital Imaging, 2011, 24, 528-540.	1.6	101
18	Transmit Precoded Spatial Modulation: Maximizing the Minimum Euclidean Distance Versus Minimizing the Bit Error Ratio. IEEE Transactions on Wireless Communications, 2016, 15, 2054-2068.	6.1	100

#	ARTICLE	IF	CITATIONS
19	Wireless Sensing of Human Respiratory Parameters by Low-Power Ultrawideband Impulse Radio Radar. IEEE Transactions on Instrumentation and Measurement, 2011, 60, 928-938.	2.4	98
20	Convergence Analysis and Assurance for Gaussian Message Passing Iterative Detector in Massive MU-MIMO Systems. IEEE Transactions on Wireless Communications, 2016, 15, 6487-6501.	6.1	90
21	Cooperative Spectrum Sensing in Cognitive Radio Networks with Weighted Decision Fusion Schemes. IEEE Transactions on Wireless Communications, 2010, 9, 3838-3847.	6.1	88
22	A Comprehensive Study of IoT and WSN MAC Protocols: Research Issues, Challenges and Opportunities. IEEE Access, 2018, 6, 76228-76262.	2.6	86
23	New Complete Complementary Codes for Peak-to-Mean Power Control in Multi-Carrier CDMA. IEEE Transactions on Communications, 2014, 62, 1105-1113.	4.9	84
24	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.	5.5	81
25	Four-Group Decodable Space–Time Block Codes. IEEE Transactions on Signal Processing, 2008, 56, 424-430.	3.2	78
26	Optimal Odd-Length Binary Z-Complementary Pairs. IEEE Transactions on Information Theory, 2014, 60, 5768-5781.	1.5	78
27	Energy-Efficient Cooperative Spectrum Sensing in Cognitive Radio Networks. , 2011, , .		74
28	Capacity-Achieving MIMO-NOMA: Iterative LMMSE Detection. IEEE Transactions on Signal Processing, 2019, 67, 1758-1773.	3.2	73
29	Intelligent Task Offloading for Heterogeneous V2X Communications. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 2226-2238.	4.7	71
30	Characterization and modeling of in-building power lines for high-speed data transmission. IEEE Transactions on Power Delivery, 2003, 18, 69-77.	2.9	70
31	AF two-path half duplex relaying with inter-relay self interference cancellation: diversity analysis and its improvement. IEEE Transactions on Wireless Communications, 2009, 8, 4720-4729.	6.1	70
32	Adaptive Spatial Modulation MIMO Based on Machine Learning. IEEE Journal on Selected Areas in Communications, 2019, 37, 2117-2131.	9.7	70
33	Gaussian Message Passing for Overloaded Massive MIMO-NOMA. IEEE Transactions on Wireless Communications, 2019, 18, 210-226.	6.1	70
34	New Constructions of General QAM Golay Complementary Sequences. IEEE Transactions on Information Theory, 2013, 59, 7684-7692.	1.5	68
35	Edge Intelligence for Autonomous Driving in 6G Wireless System: Design Challenges and Solutions. IEEE Wireless Communications, 2021, 28, 40-47.	6.6	63
36	Collaborative SLAM Based on WiFi Fingerprint Similarity and Motion Information. IEEE Internet of Things Journal, 2020, 7, 1826-1840.	5.5	61

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37	Transmit Antenna Selection for Multiple-Input Multiple-Output Spatial Modulation Systems. IEEE Transactions on Communications, 2016, 64, 2035-2048.	4.9	60
38	An Impulse Radio Ultrawideband System for Contactless Noninvasive Respiratory Monitoring. IEEE Transactions on Biomedical Engineering, 2013, 60, 1509-1517.	2.5	58
39	Optimized Transmission with Improper Gaussian Signaling in the K-User MISO Interference Channel. IEEE Transactions on Wireless Communications, 2013, 12, 6303-6313.	6.1	58
40	Wireless Compressive Sensing for Energy Harvesting Sensor Nodes. IEEE Transactions on Signal Processing, 2013, 61, 4491-4505.	3.2	58
41	Practical MIMO-NOMA: Low Complexity and Capacity-Approaching Solution. IEEE Transactions on Wireless Communications, 2018, 17, 6251-6264.	6.1	57
42	Performance Analysis of IEEE 802.11p Safety Message Broadcast With and Without Relaying at Road Intersection. IEEE Access, 2018, 6, 23786-23799.	2.6	56
43	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.	6.1	55
44	Max-Min Antenna Selection for Bi-Directional Multi-Antenna Relaying. , 2010, , .		54
45	Correlation and Set Size Bounds of Complementary Sequences with Low Correlation Zone. IEEE Transactions on Communications, 2011, 59, 3285-3289.	4.9	54
46	Broadcast Performance Analysis and Improvements of the LTE-V2V Autonomous Mode at Road Intersection. IEEE Transactions on Vehicular Technology, 2019, 68, 9359-9369.	3.9	54
47	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.	3.9	53
48	A transmission line model for high-frequency power line communication channel. , 0, , .		52
49	Read and Write Voltage Signal Optimization for Multi-Level-Cell (MLC) NAND Flash Memory. IEEE Transactions on Communications, 2016, 64, 1613-1623.	4.9	52
50	On Even-Period Binary Z-Complementary Pairs with Large ZCZs. IEEE Signal Processing Letters, 2014, 21, 284-287.	2.1	51
51	New Sets of Even-Length Binary Z-Complementary Pairs With Asymptotic ZCZ Ratio of <inline-formula> <tex-math notation="LaTeX">$3/4$</tex-math> </inline-formula>. IEEE Signal Processing Letters, 2018, 25, 970-973.	2.1	51
52	Design Guidelines of Low-Density Parity-Check Codes for Magnetic Recording Systems. IEEE Communications Surveys and Tutorials, 2018, 20, 1574-1606.	24.8	49
53	Performance Analysis of Two-Step Bi-Directional Relaying with Multiple Antennas. IEEE Transactions on Wireless Communications, 2012, 11, 4237-4242.	6.1	48
54	Chirp Spread Spectrum Toward the Nyquist Signaling Rate€"Orthogonality Condition and Applications. IEEE Signal Processing Letters, 2017, 24, 1488-1492.	2.1	48

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55	Simulation of Nakagami Fading Channels With Arbitrary Cross-Correlation and Fading Parameters. IEEE Transactions on Wireless Communications, 2004, 3, 1463-1468.	6.1	46
56	Construction of Bio-Constrained Code for DNA Data Storage. IEEE Communications Letters, 2019, 23, 963-966.	2.5	46
57	A Multiplier-Free Generator for Polyphase Complete Complementary Codes. IEEE Transactions on Signal Processing, 2018, 66, 1184-1196.	3.2	45
58	Low Complexity Detection Algorithms for OTFS under Rapidly Time-Varying Channel. , 2019, , .		45
59	Cooperative positioning for emergency responders using self IMU and peer-to-peer radios measurements. Information Fusion, 2020, 56, 93-102.	11.7	44
60	Bi-Directional Multi-Antenna Relay Communications with Wireless Network Coding. IEEE Vehicular Technology Conference, 2008, , .	0.2	43
61	Simulation and Experimental Comparison of Different Coupling Mechanisms for the Wireless Electricity Transfer. Journal of Electromagnetic Waves and Applications, 2009, 23, 925-934.	1.0	40
62	A Tighter Correlation Lower Bound for Quasi-Complementary Sequence Sets. IEEE Transactions on Information Theory, 2014, 60, 388-396.	1.5	39
63	Multidomain Index Modulation for Vehicular and Railway Communications: A Survey of Novel Techniques. IEEE Vehicular Technology Magazine, 2018, 13, 124-134.	2.8	39
64	Sequence Design for Cognitive CDMA Communications under Arbitrary Spectrum Hole Constraint. IEEE Journal on Selected Areas in Communications, 2014, 32, 1974-1986.	9.7	38
65	Generalised FSMC model for radio channels with correlated fading. IET Communications, 1999, 146, 133.	1.0	37
66	Adaptive SM-MIMO for mmWave Communications With Reduced RF Chains. IEEE Journal on Selected Areas in Communications, 2017, 35, 1472-1485.	9.7	37
67	A Proof-of-Quality-Factor (PoQF)-Based Blockchain and Edge Computing for Vehicular Message Dissemination. IEEE Internet of Things Journal, 2021, 8, 2468-2482.	5.5	37
68	Performance Analysis of Two-Way Multiple-Antenna Relaying with Network Coding. , 2009, , .		36
69	TDCS-Based Cognitive Radio Networks with Multiuser Interference Avoidance. IEEE Transactions on Communications, 2013, 61, 4828-4835.	4.9	36
70	A Coplanar Stripline Ultra-Wideband Bandpass Filter With Notch Band. IEEE Microwave and Wireless Components Letters, 2010, 20, 22-24.	2.0	35
71	Training Sequence Design for Efficient Channel Estimation in MIMO-FBMC Systems. IEEE Access, 2017, 5, 4747-4758.	2.6	35
72	Design of Chirp Waveforms for Multiple-Access Ultrasonic Indoor Positioning. IEEE Sensors Journal, 2018, 18, 6375-6390.	2.4	34

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73	Doppler Resilient Orthogonal Time-Frequency Space (OTFS) Systems Based on Index Modulation. , 2020, , .		33
74	On the Search for High-Rate Quasi-Orthogonal Space–Time Block Code. International Journal of Wireless Information Networks, 2006, 13, 329-340.	1.8	32
75	Constructions of Optimal and Near-Optimal Quasi-Complementary Sequence Sets from Singer Difference Sets. IEEE Wireless Communications Letters, 2013, 2, 487-490.	3.2	32
76	Full-rate full-diversity STBC with constellation rotation. , 0, , .		31
77	EXIT-Chart-Based LDPC Code Design for 2D ISI Channels. IEEE Transactions on Magnetics, 2013, 49, 2823-2826.	1.2	31
78	A Design of Physical-Layer Raptor Codes for Wide SNR Ranges. IEEE Communications Letters, 2014, 18, 491-494.	2.5	31
79	Capacity-achieving iterative LMMSE detection for MIMO-NOMA systems. , 2016, , .		31
80	A Blockchain Based Federated Learning for Message Dissemination in Vehicular Networks. IEEE Transactions on Vehicular Technology, 2022, 71, 1927-1940.	3.9	31
81	Power-Balanced Orthogonal Space–Time Block Code. IEEE Transactions on Vehicular Technology, 2008, 57, 3304-3309.	3.9	30
82	Power control for physical-layer network coding in fading environments. , 2008, , .		30
83	Spectrally efficient transform domain communication system with quadrature cyclic code shift keying. IET Communications, 2013, 7, 382-390.	1.5	30
84	New Sets of Optimal Odd-Length Binary Z-Complementary Pairs. IEEE Transactions on Information Theory, 2020, 66, 669-678.	1.5	30
85	Power Control in Cognitive Radios under Cooperative and Non-Cooperative Spectrum Sensing. IEEE Transactions on Wireless Communications, 2011, 10, 4238-4248.	6.1	29
86	Decode-and-Forward Two-Path Half-Duplex Relaying: Diversity-Multiplexing Tradeoff Analysis. IEEE Transactions on Communications, 2011, 59, 1985-1994.	4.9	29
87	Orthogonal frequency division multiplexing with generalized index modulation. , 2014, , .		29
88	Construction of Irregular QC-LDPC Codes via Masking with ACE Optimization. IEEE Communications Letters, 2014, 18, 348-351.	2.5	29
89	Design and Analysis of Root-Protograph LDPC Codes for Non-Ergodic Block-Fading Channels. IEEE Transactions on Wireless Communications, 2015, 14, 738-749.	6.1	29
90	Gaussian Message Passing Iterative Detection for MIMO-NOMA Systems with Massive Access. , 2016, , .		29

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91	Construction of quasi orthogonal STBC with minimum decoding complexity. , 0, , .		28
92	Fast-group-decodable space-time block code. , 2010, , .		28
93	Block-Orthogonal Space–Time Code Structure and Its Impact on QRDM Decoding Complexity Reduction. IEEE Journal on Selected Topics in Signal Processing, 2011, 5, 1438-1450.	7.3	28
94	Communication and Computing Resource Optimization for Connected Autonomous Driving. IEEE Transactions on Vehicular Technology, 2020, 69, 12652-12663.	3.9	28
95	Modified Jakes' model for simulating multiple uncorrelated fading waveforms. , 0, , .		27
96	Rate-Compatible Root-Protograph LDPC Codes for Quasi-Static Fading Relay Channels. IEEE Transactions on Vehicular Technology, 2016, 65, 2741-2747.	3.9	27
97	Analysis and Improvement of Reliability Through Coding for Safety Message Broadcasting in Urban Vehicular Networks. IEEE Transactions on Vehicular Technology, 2018, 67, 6774-6787.	3.9	27
98	Quasi-orthogonal STBC with minimum decoding complexity: further results. , 0, , .		26
99	High-Order Intensity Modulations for OSTBC in Free-Space Optical MIMO Communications. IEEE Wireless Communications Letters, 2013, 2, 607-610.	3.2	26
100	Low-Complexity Iterative Row-Column Soft Decision Feedback Algorithm for 2-D Inter-Symbol Interference Channel Detection With Gaussian Approximation. IEEE Transactions on Magnetics, 2013, 49, 4768-4773.	1.2	26
101	Improving the Belief-Propagation Convergence of Irregular LDPC Codes Using Column-Weight Based Scheduling. IEEE Communications Letters, 2015, 19, 1283-1286.	2.5	26
102	A survey of inter-flow network coding in wireless mesh networks with unicast traffic. Computer Networks, 2015, 91, 738-751.	3.2	26
103	High capacity DNA data storage with variable-length Oligonucleotides using repeat accumulate code and hybrid mapping. Journal of Biological Engineering, 2019, 13, 89.	2.0	26
104	Cluster-based transform domain communication systems for high spectrum efficiency. IET Communications, 2012, 6, 2734-2739.	1.5	25
105	Improved orthogonal frequency division multiplexing with generalised index modulation. IET Communications, 2016, 10, 969-974.	1.5	25
106	Beamformer Design for the MIMO Interference Channels under Limited Channel Feedback. IEEE Transactions on Communications, 2013, 61, 3246-3258.	4.9	24
107	Efficient Real-Time Coding-Assisted Heterogeneous Data Access in Vehicular Networks. IEEE Internet of Things Journal, 2018, 5, 3499-3512.	5.5	24
108	Achieve Privacy-Preserving Priority Classification on Patient Health Data in Remote eHealthcare System. IEEE Access, 2019, 7, 33565-33576.	2.6	24

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109	Group-Decodable Space-Time Block Codes with Code Rate > 1. IEEE Transactions on Communications, 2011, 59, 987-997.	4.9	23
110	16-QAM Almost-Complementary Sequences With Low PMEPR. IEEE Transactions on Communications, 2016, 64, 668-679.	4.9	23
111	Blind Detection of Interleaver Parameters for Non-Binary Coded Data Streams. , 2009, , .		22
112	Ultrawideband Channel Estimation: A Bayesian Compressive Sensing Strategy Based on Statistical Sparsity. IEEE Transactions on Vehicular Technology, 2015, 64, 1819-1832.	3.9	22
113	Batched Network Coding With Adaptive Recoding for Multi-Hop Erasure Channels With Memory. IEEE Transactions on Communications, 2018, 66, 1042-1052.	4.9	22
114	Space-Time/Frequency Line Coded OFDM: System Design and Practical Implementation. IEEE Access, 2019, 7, 151915-151928.	2.6	22
115	Image Content Authentication Using Pinned Sine Transform. Eurasip Journal on Advances in Signal Processing, 2004, 2004, 1.	1.0	21
116	Development and performance evaluation of mobile WiMAX testbed. , 2007, , .		21
117	Check Node Reliability-Based Scheduling for BP Decoding of Non-Binary LDPC Codes. IEEE Transactions on Communications, 2013, 61, 877-885.	4.9	21
118	Informed Fixed Scheduling for Faster Convergence of Shuffled Belief-Propagation Decoding. IEEE Communications Letters, 2017, 21, 32-35.	2.5	21
119	Optimized Code Design for Constrained DNA Data Storage With Asymmetric Errors. IEEE Access, 2019, 7, 84107-84121.	2.6	21
120	New Optimal Binary <i>Z</i>-Complementary Pairs of Odd Length 2^m+3. IEEE Signal Processing Letters, 2019, 26, 1931-1934.	2.1	21
121	Joint Base Station selection and linear precoding for cellular networks with multi-cell processing. , 2010, , .		20
122	Retention-Aware Belief-Propagation Decoding for NAND Flash Memory. IEEE Transactions on Circuits and Systems II: Express Briefs, 2017, 64, 725-729.	2.2	20
123	A New Insight Into GAMP and AMP. IEEE Transactions on Vehicular Technology, 2019, 68, 8264-8269.	3.9	20
124	Edge-Based Dynamic Scheduling for Belief-Propagation Decoding of LDPC and RS Codes. IEEE Transactions on Communications, 2017, 65, 525-535.	4.9	19
125	Low-Complexity Belief-Propagation Decoding via Dynamic Silent-Variable-Node-Free Scheduling. IEEE Communications Letters, 2017, 21, 28-31.	2.5	19
126	Spectrally-Constrained Sequences: Bounds and Constructions. IEEE Transactions on Information Theory, 2018, 64, 2571-2582.	1.5	19

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127	Secrecy Throughput Maximization for Full-Duplex Wireless Powered IoT Networks Under Fairness Constraints. IEEE Internet of Things Journal, 2019, 6, 6964-6976.	5.5	19
128	BA–POC-Based Ranging Method With Multipath Mitigation. IEEE Antennas and Wireless Propagation Letters, 2005, 4, 492-495.	2.4	18
129	High-Resolution UWB Ranging based on Phase-Only Correlator. , 2007, , .		18
130	A new construction of zero correlation zone sequences from generalized reed-muller codes. , 2014, , .		18
131	Two-Phase Cooperative Broadcasting Based on Batched Network Code. IEEE Transactions on Communications, 2016, 64, 706-714.	4.9	18
132	Performance Analysis of NOMA in Vehicular Communications Over i.n.i.d Nakagami-<i>m</i> Fading Channels. IEEE Transactions on Wireless Communications, 2021, 20, 6254-6268.	6.1	18
133	Statistical adaptive modulation for QAM-OFDM systems. , 0, , .		17
134	Performance Analysis of M-PSK/ M-QAM Modulated Orthogonal Space–Time Block Codes in Keyhole Channels. IEEE Transactions on Vehicular Technology, 2009, 58, 1036-1043.	3.9	17
135	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.	3.5	17
136	Thresholdless energy detection for ultra-wideband block-coded OOK signals. Electronics Letters, 2008, 44, 755.	0.5	16
137	Degrees of Freedom of the Three-User Rank-Deficient MIMO Interference Channel. IEEE Transactions on Wireless Communications, 2014, 13, 4179-4192.	6.1	16
138	Optimal Energy Transfer Pipe Arrangement for Acoustic Drill String Telemetry. IEEE Transactions on Geoscience and Remote Sensing, 2014, 52, 6999-7007.	2.7	16
139	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.	3.2	16
140	Reversible and Fast Responsive Optical Fiber Relative Humidity Sensor Based on Polyelectrolyte Self-Assembly Multilayer Film. IEEE Sensors Journal, 2018, 18, 1081-1086.	2.4	16
141	Expanding-Window BATS Code for Scalable Video Multicasting Over Erasure Networks. IEEE Transactions on Multimedia, 2018, 20, 271-281.	5.2	16
142	V2X Content Distribution Based on Batched Network Coding With Distributed Scheduling. IEEE Access, 2018, 6, 59449-59461.	2.6	16
143	A Semi-Empirical Performance Study of Two-Hop DSRC Message Relaying at Road Intersections. Information (Switzerland), 2018, 9, 147.	1.7	16
144	Cross Z-Complementary Pairs for Optimal Training in Spatial Modulation Over Frequency Selective Channels. IEEE Transactions on Signal Processing, 2020, 68, 1529-1543.	3.2	16

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145	Reconfigurable Intelligent Surface for Low-Latency Edge Computing in 6G. IEEE Wireless Communications, 2021, 28, 72-79.	6.6	16
146	Generating correlated Nakagami fading signals with arbitrary correlation and fading parameters. , 0, , .		15
147	Single-symbol-decodable differential space-time modulation based on QO-STBC. IEEE Transactions on Wireless Communications, 2006, 5, 3329-3334.	6.1	15
148	Analysis of Tone Reservation Method for WiMAX System. , 2006, , .		15
149	Localization of passive target based on UWB backscattering range measurement. , 2009, , .		15
150	Receiver design for multicarrier CDMA using frequency-domain oversampling. IEEE Transactions on Wireless Communications, 2009, 8, 2236-2241.	6.1	15
151	Fractionally Spaced Frequency-Domain MMSE Receiver for OFDM Systems. IEEE Transactions on Vehicular Technology, 2010, 59, 4400-4407.	3.9	15
152	Modified Phase-Only Correlator with Kurtosis-Based Amplified-Noise Suppression. IEEE Transactions on Wireless Communications, 2010, 9, 3341-3345.	6.1	15
153	Impact of Big Vehicle Shadowing on Vehicle-to-Vehicle Communications. IEEE Transactions on Vehicular Technology, 2020, 69, 6902-6915.	3.9	15
154	Complexity Reduction for MC-CDMA With MMSEC. IEEE Transactions on Vehicular Technology, 2008, 57, 1989-1993.	3.9	14
155	Quasi-Universal BATS Code. IEEE Transactions on Vehicular Technology, 2017, 66, 3497-3501.	3.9	14
156	Near-Optimal BEM OTFS Receiver With Low Pilot Overhead for High-Mobility Communications. IEEE Transactions on Communications, 2022, 70, 3392-3406.	4.9	14
157	Generalized perturbation analysis of distortion in semiconductor lasers. Journal of Applied Physics, 1992, 71, 1102-1108.	1.1	13
158	On the Decoding and Optimizing Performance of Four-Group Decodable Space-Time Block Codes. , 2006, , .		13
159	Unitary Differential Space–Time Modulation With Joint Modulation. IEEE Transactions on Vehicular Technology, 2007, 56, 3937-3944.	3.9	13
160	Cooperative Spectrum Sensing in Cognitive Radio Networks with Weighted Decision Fusion Scheme. , 2010, , .		13
161	Optimal BER-Balanced Combining for Weighted Energy Detection of UWB OOK Signals. IEEE Communications Letters, 2013, 17, 353-356.	2.5	13
162	New optimal binary Z-complementary pairs of odd lengths. , 2017, , .		13

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163	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.	3.9	13
164	Packet Efficiency of BATS Coding on Wireless Relay Network with Overhearing. , 2019, , .		13
165	Physical Layer Security in Cognitive Vehicular Networks. IEEE Transactions on Communications, 2021, 69, 2557-2569.	4.9	13
166	Differential transmit diversity based on quasi-orthogonal space-time block code. , 0, , .		12
167	Algebraic Relationship between Amicable Orthogonal Designs and Quasi-Orthogonal STBC with Minimum Decoding Complexity. , 2006, , .		12
168	EFFECT OF STEERING ERROR VECTOR AND ANGULAR POWER DISTRIBUTIONS ON BEAMFORMING AND TRANSMIT DIVERSITY SYSTEMS IN CORRELATED FADING CHANNEL. Progress in Electromagnetics Research, 2010, 105, 383-402.	1.6	12
169	Asymmetric Iterative Multi-Track Detection for 2-D Non-Binary LDPC-Coded Magnetic Recording. IEEE Transactions on Magnetics, 2013, 49, 5215-5221.	1.2	12
170	Optimal Binary Periodic Almost-Complementary Pairs. IEEE Signal Processing Letters, 2016, 23, 1816-1820.	2.1	12
171	Detector for MLC NAND Flash Memory Using Neighbor-<italic>A-Priori</italic> Information. IEEE Transactions on Very Large Scale Integration (VLSI) Systems, 2016, 24, 2827-2836.	2.1	12
172	Low-Complexity Single-Channel Blind Separation of Co-Frequency Coded Signals. IEEE Communications Letters, 2018, 22, 990-993.	2.5	12
173	BEM-PSP for Single-Carrier and SC-FDMA Communication Over a Doubly Selective Fading Channel. IEEE Transactions on Wireless Communications, 2020, 19, 3924-3937.	6.1	12
174	Spectrum-Learning-Aided Reconfigurable Intelligent Surfaces for â€œGreenâ€•6G Networks. IEEE Network, 2021, 35, 20-26.	4.9	12
175	Joint bit-loading and power-allocation for OFDM systems based on statistical frequency-domain fading model. , 0, , .		11
176	Decoding of quasiorthogonal space-time block code with noise whitening. , 0, , .		11
177	Optimizing quasi-orthogonal STBC through group-constrained linear transformation. , 0, , .		11
178	Mitigation of cross-modulation interference in UWB energy detector receivers. IEEE Communications Letters, 2009, 13, 375-377.	2.5	11
179	On the Diversity-Multiplexing Tradeoff of Amplify-and-Forward Half-Duplex Relaying. IEEE Transactions on Communications, 2010, 58, 3621-3630.	4.9	11
180	Markov Chain Monte Carlo Based Detection for Two-Dimensional Intersymbol Interference Channels. IEEE Transactions on Magnetics, 2011, 47, 471-478.	1.2	11

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181	Optimization of Fast-Decodable Full-Rate STBC with Non-Vanishing Determinants. IEEE Transactions on Communications, 2011, 59, 2063-2069.	4.9	11
182	Non-binary LDPC code with multiple memory reads for multi-level-cell (MLC) flash. , 2014, , .		11
183	Deep neural network-aided Gaussian message passing detection for ultra-reliable low-latency communications. Future Generation Computer Systems, 2019, 95, 629-638.	4.9	11
184	Learning to Schedule Joint Radar-Communication With Deep Multi-Agent Reinforcement Learning. IEEE Transactions on Vehicular Technology, 2022, 71, 406-422.	3.9	11
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187	Blind identification of convolutional interleaver parameters. , 2009, , .		10
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189	Coding and signal processing for ultra-high density magnetic recording channels. , 2014, , .		10
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