

# Yong Liang Guan

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7064764/publications.pdf>

Version: 2024-02-01

453  
papers

10,017  
citations

44069

48  
h-index

62596

80  
g-index

455  
all docs

455  
docs citations

455  
times ranked

7039  
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.	6.3	405
3	Modeling and Analysis of Noise Effects on Broadband Power-Line Communications. IEEE Transactions on Power Delivery, 2005, 20, 630-637.	4.3	306
4	Throughput Optimization for Massive MIMO Systems Powered by Wireless Energy Transfer. IEEE Journal on Selected Areas in Communications, 2015, , 1-1.	14.0	260
5	Modeling of Transfer Characteristics for the Broadband Power Line Communication Channel. IEEE Transactions on Power Delivery, 2004, 19, 1057-1064.	4.3	254
6	Generalization of Orthogonal Frequency Division Multiplexing With Index Modulation. IEEE Transactions on Wireless Communications, 2015, 14, 5350-5359.	9.2	252
7	Blockchain for the Internet of Vehicles Towards Intelligent Transportation Systems: A Survey. IEEE Internet of Things Journal, 2021, 8, 4157-4185.	8.7	213
8	Quasi-orthogonal STBC with minimum decoding complexity. IEEE Transactions on Wireless Communications, 2005, 4, 2089-2094.	9.2	208
9	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
10	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
11	Indoor Elliptical Localization Based on Asynchronous UWB Range Measurement. IEEE Transactions on Instrumentation and Measurement, 2011, 60, 248-257.	4.7	152
12	Overcoming Endurance Issue: UAV-Enabled Communications With Proactive Caching. IEEE Journal on Selected Areas in Communications, 2018, 36, 1231-1244.	14.0	136
13	A Survey on Protograph LDPC Codes and Their Applications. IEEE Communications Surveys and Tutorials, 2015, 17, 1989-2016.	39.4	130
14	Transmit Optimization With Improper Gaussian Signaling for Interference Channels. IEEE Transactions on Signal Processing, 2013, 61, 2899-2913.	5.3	121
15	Multi-antenna Wireless Energy Transfer for Backscatter Communication Systems. IEEE Journal on Selected Areas in Communications, 2015, 33, 2974-2987.	14.0	121
16	Dynamic Resource Allocation for Multiple-Antenna Wireless Power Transfer. IEEE Transactions on Signal Processing, 2014, 62, 3565-3577.	5.3	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.	2.9	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.	9.2	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.	4.7	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.	9.2	90
21	Cooperative Spectrum Sensing in Cognitive Radio Networks with Weighted Decision Fusion Schemes. IEEE Transactions on Wireless Communications, 2010, 9, 3838-3847.	9.2	88
22	A Comprehensive Study of IoT and WSN MAC Protocols: Research Issues, Challenges and Opportunities. IEEE Access, 2018, 6, 76228-76262.	4.2	86
23	New Complete Complementary Codes for Peak-to-Mean Power Control in Multi-Carrier CDMA. IEEE Transactions on Communications, 2014, 62, 1105-1113.	7.8	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.	8.7	81
25	Four-Group Decodable Space-Time Block Codes. IEEE Transactions on Signal Processing, 2008, 56, 424-430.	5.3	78
26	Optimal Odd-Length Binary Z-Complementary Pairs. IEEE Transactions on Information Theory, 2014, 60, 5768-5781.	2.4	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.	5.3	73
29	Intelligent Task Offloading for Heterogeneous V2X Communications. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 2226-2238.	8.0	71
30	Characterization and modeling of in-building power lines for high-speed data transmission. IEEE Transactions on Power Delivery, 2003, 18, 69-77.	4.3	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.	9.2	70
32	Adaptive Spatial Modulation MIMO Based on Machine Learning. IEEE Journal on Selected Areas in Communications, 2019, 37, 2117-2131.	14.0	70
33	Gaussian Message Passing for Overloaded Massive MIMO-NOMA. IEEE Transactions on Wireless Communications, 2019, 18, 210-226.	9.2	70
34	New Constructions of General QAM Golay Complementary Sequences. IEEE Transactions on Information Theory, 2013, 59, 7684-7692.	2.4	68
35	Edge Intelligence for Autonomous Driving in 6G Wireless System: Design Challenges and Solutions. IEEE Wireless Communications, 2021, 28, 40-47.	9.0	63
36	Collaborative SLAM Based on WiFi Fingerprint Similarity and Motion Information. IEEE Internet of Things Journal, 2020, 7, 1826-1840.	8.7	61

#	ARTICLE	IF	CITATIONS
37	Transmit Antenna Selection for Multiple-Input Multiple-Output Spatial Modulation Systems. IEEE Transactions on Communications, 2016, 64, 2035-2048.	7.8	60
38	An Impulse Radio Ultrawideband System for Contactless Noninvasive Respiratory Monitoring. IEEE Transactions on Biomedical Engineering, 2013, 60, 1509-1517.	4.2	58
39	Optimized Transmission with Improper Gaussian Signaling in the K-User MISO Interference Channel. IEEE Transactions on Wireless Communications, 2013, 12, 6303-6313.	9.2	58
40	Wireless Compressive Sensing for Energy Harvesting Sensor Nodes. IEEE Transactions on Signal Processing, 2013, 61, 4491-4505.	5.3	58
41	Practical MIMO-NOMA: Low Complexity and Capacity-Approaching Solution. IEEE Transactions on Wireless Communications, 2018, 17, 6251-6264.	9.2	57
42	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
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.	9.2	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.	7.8	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.	6.3	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.	6.3	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.	7.8	52
50	On Even-Period Binary Z-Complementary Pairs with Large ZCZs. IEEE Signal Processing Letters, 2014, 21, 284-287.	3.6	51
51	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
52	Design Guidelines of Low-Density Parity-Check Codes for Magnetic Recording Systems. IEEE Communications Surveys and Tutorials, 2018, 20, 1574-1606.	39.4	49
53	Performance Analysis of Two-Step Bi-Directional Relaying with Multiple Antennas. IEEE Transactions on Wireless Communications, 2012, 11, 4237-4242.	9.2	48
54	Chirp Spread Spectrum Toward the Nyquist Signaling Rateâ€™Orthogonality Condition and Applications. IEEE Signal Processing Letters, 2017, 24, 1488-1492.	3.6	48

#	ARTICLE	IF	CITATIONS
55	Simulation of Nakagami Fading Channels With Arbitrary Cross-Correlation and Fading Parameters. IEEE Transactions on Wireless Communications, 2004, 3, 1463-1468.	9.2	46
56	Construction of Bio-Constrained Code for DNA Data Storage. IEEE Communications Letters, 2019, 23, 963-966.	4.1	46
57	A Multiplier-Free Generator for Polyphase Complete Complementary Codes. IEEE Transactions on Signal Processing, 2018, 66, 1184-1196.	5.3	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.	19.1	44
60	Bi-Directional Multi-Antenna Relay Communications with Wireless Network Coding. IEEE Vehicular Technology Conference, 2008, , .	0.4	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.	1.6	40
62	A Tighter Correlation Lower Bound for Quasi-Complementary Sequence Sets. IEEE Transactions on Information Theory, 2014, 60, 388-396.	2.4	39
63	Multidomain Index Modulation for Vehicular and Railway Communications: A Survey of Novel Techniques. IEEE Vehicular Technology Magazine, 2018, 13, 124-134.	3.4	39
64	Sequence Design for Cognitive CDMA Communications under Arbitrary Spectrum Hole Constraint. IEEE Journal on Selected Areas in Communications, 2014, 32, 1974-1986.	14.0	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.	14.0	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.	8.7	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.	7.8	36
70	A Coplanar Stripline Ultra-Wideband Bandpass Filter With Notch Band. IEEE Microwave and Wireless Components Letters, 2010, 20, 22-24.	3.2	35
71	Training Sequence Design for Efficient Channel Estimation in MIMO-FBMC Systems. IEEE Access, 2017, 5, 4747-4758.	4.2	35
72	Design of Chirp Waveforms for Multiple-Access Ultrasonic Indoor Positioning. IEEE Sensors Journal, 2018, 18, 6375-6390.	4.7	34

#	ARTICLE	IF	CITATIONS
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.	2.7	32
75	Constructions of Optimal and Near-Optimal Quasi-Complementary Sequence Sets from Singer Difference Sets. IEEE Wireless Communications Letters, 2013, 2, 487-490.	5.0	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.	2.1	31
78	A Design of Physical-Layer Raptor Codes for Wide SNR Ranges. IEEE Communications Letters, 2014, 18, 491-494.	4.1	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.	6.3	31
81	Power-Balanced Orthogonal Space-Time Block Code. IEEE Transactions on Vehicular Technology, 2008, 57, 3304-3309.	6.3	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.	2.2	30
84	New Sets of Optimal Odd-Length Binary Z-Complementary Pairs. IEEE Transactions on Information Theory, 2020, 66, 669-678.	2.4	30
85	Power Control in Cognitive Radios under Cooperative and Non-Cooperative Spectrum Sensing. IEEE Transactions on Wireless Communications, 2011, 10, 4238-4248.	9.2	29
86	Decode-and-Forward Two-Path Half-Duplex Relaying: Diversity-Multiplexing Tradeoff Analysis. IEEE Transactions on Communications, 2011, 59, 1985-1994.	7.8	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.	4.1	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.	9.2	29
90	Gaussian Message Passing Iterative Detection for MIMO-NOMA Systems with Massive Access. , 2016, , .		29

#	ARTICLE	IF	CITATIONS
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.	10.8	28
94	Communication and Computing Resource Optimization for Connected Autonomous Driving. IEEE Transactions on Vehicular Technology, 2020, 69, 12652-12663.	6.3	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.	6.3	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.	6.3	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.	5.0	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.	2.1	26
101	Improving the Belief-Propagation Convergence of Irregular LDPC Codes Using Column-Weight Based Scheduling. IEEE Communications Letters, 2015, 19, 1283-1286.	4.1	26
102	A survey of inter-flow network coding in wireless mesh networks with unicast traffic. Computer Networks, 2015, 91, 738-751.	5.1	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.	4.7	26
104	Cluster-based transform domain communication systems for high spectrum efficiency. IET Communications, 2012, 6, 2734-2739.	2.2	25
105	Improved orthogonal frequency division multiplexing with generalised index modulation. IET Communications, 2016, 10, 969-974.	2.2	25
106	Beamformer Design for the MIMO Interference Channels under Limited Channel Feedback. IEEE Transactions on Communications, 2013, 61, 3246-3258.	7.8	24
107	Efficient Real-Time Coding-Assisted Heterogeneous Data Access in Vehicular Networks. IEEE Internet of Things Journal, 2018, 5, 3499-3512.	8.7	24
108	Achieve Privacy-Preserving Priority Classification on Patient Health Data in Remote eHealthcare System. IEEE Access, 2019, 7, 33565-33576.	4.2	24

#	ARTICLE	IF	CITATIONS
109	Group-Decodable Space-Time Block Codes with Code Rate $> 1$ . IEEE Transactions on Communications, 2011, 59, 987-997.	7.8	23
110	16-QAM Almost-Complementary Sequences With Low PMEPR. IEEE Transactions on Communications, 2016, 64, 668-679.	7.8	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.	6.3	22
113	Batched Network Coding With Adaptive Recoding for Multi-Hop Erasure Channels With Memory. IEEE Transactions on Communications, 2018, 66, 1042-1052.	7.8	22
114	Space-Time/Frequency Line Coded OFDM: System Design and Practical Implementation. IEEE Access, 2019, 7, 151915-151928.	4.2	22
115	Image Content Authentication Using Pinned Sine Transform. Eurasip Journal on Advances in Signal Processing, 2004, 2004, 1.	1.7	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.	7.8	21
118	Informed Fixed Scheduling for Faster Convergence of Shuffled Belief-Propagation Decoding. IEEE Communications Letters, 2017, 21, 32-35.	4.1	21
119	Optimized Code Design for Constrained DNA Data Storage With Asymmetric Errors. IEEE Access, 2019, 7, 84107-84121.	4.2	21
120	New Optimal Binary $Z$ -Complementary Pairs of Odd Length $2^m+3$ . IEEE Signal Processing Letters, 2019, 26, 1931-1934.	3.6	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.	3.0	20
123	A New Insight Into GAMP and AMP. IEEE Transactions on Vehicular Technology, 2019, 68, 8264-8269.	6.3	20
124	Edge-Based Dynamic Scheduling for Belief-Propagation Decoding of LDPC and RS Codes. IEEE Transactions on Communications, 2017, 65, 525-535.	7.8	19
125	Low-Complexity Belief-Propagation Decoding via Dynamic Silent-Variable-Node-Free Scheduling. IEEE Communications Letters, 2017, 21, 28-31.	4.1	19
126	Spectrally-Constrained Sequences: Bounds and Constructions. IEEE Transactions on Information Theory, 2018, 64, 2571-2582.	2.4	19



#	ARTICLE	IF	CITATIONS
127	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
128	BA&#8211;POC-Based Ranging Method With Multipath Mitigation. IEEE Antennas and Wireless Propagation Letters, 2005, 4, 492-495.	4.0	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.	7.8	18
132	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
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.	6.3	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.	5.4	17
136	Thresholdless energy detection for ultra-wideband block-coded OOK signals. Electronics Letters, 2008, 44, 755.	1.0	16
137	Degrees of Freedom of the Three-User Rank-Deficient MIMO Interference Channel. IEEE Transactions on Wireless Communications, 2014, 13, 4179-4192.	9.2	16
138	Optimal Energy Transfer Pipe Arrangement for Acoustic Drill String Telemetry. IEEE Transactions on Geoscience and Remote Sensing, 2014, 52, 6999-7007.	6.3	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.	5.3	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.	4.7	16
141	Expanding-Window BATS Code for Scalable Video Multicasting Over Erasure Networks. IEEE Transactions on Multimedia, 2018, 20, 271-281.	7.2	16
142	V2X Content Distribution Based on Batched Network Coding With Distributed Scheduling. IEEE Access, 2018, 6, 59449-59461.	4.2	16
143	A Semi-Empirical Performance Study of Two-Hop DSRC Message Relaying at Road Intersections. Information (Switzerland), 2018, 9, 147.	2.9	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.	5.3	16

#	ARTICLE	IF	CITATIONS
145	Reconfigurable Intelligent Surface for Low-Latency Edge Computing in 6G. IEEE Wireless Communications, 2021, 28, 72-79.	9.0	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.	9.2	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.	9.2	15
151	Fractionally Spaced Frequency-Domain MMSE Receiver for OFDM Systems. IEEE Transactions on Vehicular Technology, 2010, 59, 4400-4407.	6.3	15
152	Modified Phase-Only Correlator with Kurtosis-Based Amplified-Noise Suppression. IEEE Transactions on Wireless Communications, 2010, 9, 3341-3345.	9.2	15
153	Impact of Big Vehicle Shadowing on Vehicle-to-Vehicle Communications. IEEE Transactions on Vehicular Technology, 2020, 69, 6902-6915.	6.3	15
154	Complexity Reduction for MC-CDMA With MMSEC. IEEE Transactions on Vehicular Technology, 2008, 57, 1989-1993.	6.3	14
155	Quasi-Universal BATS Code. IEEE Transactions on Vehicular Technology, 2017, 66, 3497-3501.	6.3	14
156	Near-Optimal BEM OTFS Receiver With Low Pilot Overhead for High-Mobility Communications. IEEE Transactions on Communications, 2022, 70, 3392-3406.	7.8	14
157	Generalized perturbation analysis of distortion in semiconductor lasers. Journal of Applied Physics, 1992, 71, 1102-1108.	2.5	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.	6.3	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.	4.1	13
162	New optimal binary Z-complementary pairs of odd lengths. , 2017, , .		13

#	ARTICLE	IF	CITATIONS
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.	6.3	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.	7.8	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.	4.4	12
169	Asymmetric Iterative Multi-Track Detection for 2-D Non-Binary LDPC-Coded Magnetic Recording. IEEE Transactions on Magnetics, 2013, 49, 5215-5221.	2.1	12
170	Optimal Binary Periodic Almost-Complementary Pairs. IEEE Signal Processing Letters, 2016, 23, 1816-1820.	3.6	12
171	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
172	Low-Complexity Single-Channel Blind Separation of Co-Frequency Coded Signals. IEEE Communications Letters, 2018, 22, 990-993.	4.1	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.	9.2	12
174	Spectrum-Learning-Aided Reconfigurable Intelligent Surfaces for "Green" 6G Networks. IEEE Network, 2021, 35, 20-26.	6.9	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.	4.1	11
179	On the Diversity-Multiplexing Tradeoff of Amplify-and-Forward Half-Duplex Relaying. IEEE Transactions on Communications, 2010, 58, 3621-3630.	7.8	11
180	Markov Chain Monte Carlo Based Detection for Two-Dimensional Intersymbol Interference Channels. IEEE Transactions on Magnetics, 2011, 47, 471-478.	2.1	11

#	ARTICLE	IF	CITATIONS
181	Optimization of Fast-Decodable Full-Rate STBC with Non-Vanishing Determinants. IEEE Transactions on Communications, 2011, 59, 2063-2069.	7.8	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.	7.5	11
184	Learning to Schedule Joint Radar-Communication With Deep Multi-Agent Reinforcement Learning. IEEE Transactions on Vehicular Technology, 2022, 71, 406-422.	6.3	11
185	APOC-based ranging method with multipath mitigation in the NLOS environment. Microwave and Optical Technology Letters, 2005, 47, 318-320.	1.4	10
186	Asynchronous Classification of High-Order QAMs. , 2008, , .		10
187	Blind identification of convolutional interleaver parameters. , 2009, , .		10
188	Effect of Carrier Frequency Offset on Single-Carrier CDMA With Frequency-Domain Equalization. IEEE Transactions on Vehicular Technology, 2011, 60, 174-184.	6.3	10
189	Coding and signal processing for ultra-high density magnetic recording channels. , 2014, , .		10
190	A low-complexity Gaussian message passing iterative detector for massive MU-MIMO systems. , 2015, , .		10
191	BATS code with unequal error protection. , 2016, , .		10
192	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
193	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
194	Multi-Dimensional Polarized Modulation for Land Mobile Satellite Communications. IEEE Transactions on Cognitive Communications and Networking, 2021, 7, 383-397.	7.9	10
195	Orthogonal space-time block code from amicable complex orthogonal design. , 0, , .		9
196	Optimising quasi-orthogonal STBC through group-constrained linear transformation. IET Communications, 2007, 1, 373.	2.2	9
197	Unbalanced and Balanced 2-Group Decodable Spatial Multiplexing Code. , 2009, , .		9
198	Shift-orthogonal space-time block codes. IEEE Transactions on Communications, 2010, 58, 1605-1609.	7.8	9

#	ARTICLE	IF	CITATIONS
199	Modified Block Diagonalization Precoding in Multicell Cooperative Networks. IEEE Transactions on Vehicular Technology, 2012, 61, 3819-3824.	6.3	9
200	Leader Based Group Routing in Disconnected Mobile Ad Hoc Networks with Group Mobility. Wireless Personal Communications, 2013, 71, 2003-2021.	2.7	9
201	Joint optimization of sensing threshold and transmission power in wideband cognitive radio with energy detection. Radio Science, 2013, 48, 359-370.	1.6	9
202	Two-Valued Periodic Complementary Sequences. IEEE Signal Processing Letters, 2017, 24, 1270-1274.	3.6	9
203	Pilot Design for BEM-Based Channel Estimation in Doubly Selective Channel. IEEE Transactions on Vehicular Technology, 2020, 69, 1679-1694.	6.3	9
204	A Novel Receiver Design of Nonorthogonal FDM Systems in Underwater Acoustics Communication. IEEE Systems Journal, 2020, 14, 3875-3884.	4.6	9
205	Fast GAMP Algorithm for Nonlinearly Distorted OFDM Signals. IEEE Communications Letters, 2021, 25, 1682-1686.	4.1	9
206	Multicarrier Channels With Non-Identical Subcarrier Fading Distributions—Analysis and Adaptation. IEEE Communications Letters, 2004, 8, 368-370.	4.1	8
207	Perception based binary image watermarking. , 0, , .		8
208	Pseudocoherent Detection of OOK/PPM Signals as Zero-Delay Transmitted-Reference Signals With Bandpass Downsampling for UWB Communications. IEEE Transactions on Vehicular Technology, 2009, 58, 4141-4148.	6.3	8
209	3-Time-Slot Group-Decodable STBC with Full Rate and Full Diversity. IEEE Communications Letters, 2012, 16, 86-88.	4.1	8
210	Performance of physical-layer network coding in asymmetric two-way relay channels. China Communications, 2013, 10, 65-73.	3.2	8
211	Narrow-Band Interference Suppression in Impulse-Radio Ultrawideband Systems. IEEE Transactions on Vehicular Technology, 2014, 63, 3440-3446.	6.3	8
212	A New Weight Vector for a Tighter Levenshtein Bound on Aperiodic Correlation. IEEE Transactions on Information Theory, 2014, 60, 1356-1366.	2.4	8
213	Joint optimisation algorithm of cooperative spectrum sensing with cooperative overhead and subband transmission power for wideband cognitive radio network. Transactions on Emerging Telecommunications Technologies, 2015, 26, 586-597.	3.9	8
214	Sparse Vector Recovery: Bernoulli-Gaussian Message Passing. , 2017, , .		8
215	Enabling Efficient and Privacy-Preserving Health Query Over Outsourced Cloud. IEEE Access, 2018, 6, 70831-70842.	4.2	8
216	Delay-Universal Channel Coding With Feedback. IEEE Access, 2018, 6, 37918-37931.	4.2	8

#	ARTICLE	IF	CITATIONS
217	On the Energy Detection Performance of Arbitrarily Correlated Dual Antenna Receiver for Vehicular Communication. IEEE Communications Letters, 2019, 23, 1186-1189.	4.1	8
218	Perturbed Adaptive Belief Propagation Decoding for High-Density Parity-Check Codes. IEEE Transactions on Communications, 2021, 69, 2065-2079.	7.8	8
219	Federated Spectrum Learning for Reconfigurable Intelligent Surfaces-Aided Wireless Edge Networks. IEEE Transactions on Wireless Communications, 2022, 21, 9610-9626.	9.2	8
220	Characterization of power distribution lines for high-speed data transmission. , 0, , .		7
221	Joint timing and frequency synchronization for IEEE 802.16 OFDM systems. , 2007, , .		7
222	Improving achievable rate for the two-user SISO interference channel with improper Gaussian signaling. , 2012, , .		7
223	Robust Multi-Antenna Multi-User Precoding Based on Generalized Multi-Unitary Decomposition With Partial CSI Feedback. IEEE Transactions on Vehicular Technology, 2013, 62, 596-605.	6.3	7
224	CEO: Consistency of Encoding and Overhearing in Network Coding-Aware Routing. IEEE Wireless Communications Letters, 2013, 2, 187-190.	5.0	7
225	Optimal Joint Viterbi Detector Decoder (JVDD) over AWGN/ISI channel. , 2014, , .		7
226	Centralised cooperative spectrum sensing under correlated shadowing. IET Communications, 2014, 8, 1996-2007.	2.2	7
227	Single-channel blind separation of co-frequency MPSK signals based on PSP algorithm with DFSE. , 2015, , .		7
228	Sensing-throughput tradeoff for cooperative multiple-input single-output cognitive radio. International Journal of Communication Systems, 2015, 28, 848-860.	2.5	7
229	Network Coding Based BSM Broadcasting at Road Intersection in V2V Communication. , 2016, , .		7
230	On the Joint Impact of SU Mobility and PU Activity in Cognitive Vehicular Networks with Improved Energy Detection. , 2019, , .		7
231	New Complementary Sets With Low PAPR Property Under Spectral Null Constraints. IEEE Transactions on Information Theory, 2020, 66, 7022-7032.	2.4	7
232	A New Collusion Attack and Its Performance Evaluation. Lecture Notes in Computer Science, 2003, , 64-80.	1.3	7
233	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
234	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

#	ARTICLE	IF	CITATIONS
235	Full-Rate Orthogonal Space-Time Block Code With Pulse-Shaped Offset QAM for Four Transmit Antennas. IEEE Transactions on Wireless Communications, 2007, 6, 1551-1559.	9.2	6
236	On the Diversity Order of AF Cooperative Systems with Inter-Relay Interference Cancellation. IEEE Vehicular Technology Conference, 2008, , .	0.4	6
237	Meeting the Levenshtein bound with equality by weighted-correlation complementary set. , 2012, , .		6
238	An Improved Tamper Detection and Localization Scheme for Volumetric DICOM Images. Journal of Digital Imaging, 2012, 25, 751-763.	2.9	6
239	Routing strategy in disconnected mobile ad hoc networks with group mobility. Eurasip Journal on Wireless Communications and Networking, 2013, 2013, .	2.4	6
240	Sub-stream fairness and numerical correctness in MIMO interference channels. , 2013, , .		6
241	Optimization of acoustic communication for industrial drilling. , 2013, , .		6
242	Combined orthogonal physical-layer network coding over fading two-way relay channels. International Journal of Communication Systems, 2014, 27, 4265-4279.	2.5	6
243	Improved Min-Sum Decoding for 2-D Intersymbol Interference Channels. IEEE Transactions on Magnetism, 2014, 50, 1-4.	2.1	6
244	Performance Analysis of Finite-Length Spatial-Temporal Network Coding. IEEE Communications Letters, 2014, 18, 1163-1166.	4.1	6
245	Low-complexity quantization-aware belief-propagation (QA-BP) decoding for MLC NAND flash memory. , 2015, , .		6
246	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
247	Single-channel blind separation of co-frequency PSK signals with unknown carrier frequency offsets. , 2017, , .		6
248	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
249	Cellular-V2X Communications With Weighted-Power-Based Mode Selection. IEEE Open Journal of the Communications Society, 2020, 1, 386-400.	6.9	6
250	Performance Analysis of Space-Time Line Code in Correlated Fading Channels. IEEE Transactions on Vehicular Technology, 2021, 70, 6244-6248.	6.3	6
251	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
252	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

#	ARTICLE	IF	CITATIONS
253	Development of a test bed for high-speed power line communications. , 0, , .		5
254	Watermarking of streaming video for finger-printing applications. , 0, , .		5
255	Simplified BER formulations for MC-CDMA systems with orthogonality restoring combining. , 0, , .		5
256	FEC Performance of PMD-Impaired Optical Communication System With Multiple-Wavelength Interleaving. IEEE Photonics Technology Letters, 2004, 16, 936-938.	2.5	5
257	Improved Bit Rate Control for Real-Time MPEG Watermarking. Eurasip Journal on Advances in Signal Processing, 2004, 2004, 1.	1.7	5
258	Channel model of broadband power-line communication network with ring topology. IET Generation, Transmission and Distribution, 2006, 153, 584.	1.1	5
259	An Analysis of K-Connectivity in Shadowing and Nakagami Fading Wireless Multi-Hop Networks. IEEE Vehicular Technology Conference, 2008, , .	0.4	5
260	Limited feedback for multi-antenna multi-user communications with Generalized Multi-Unitary Decomposition. , 2008, , .		5
261	A frequency-domain oversampling detector for zero-padded MC-CDMA systems. , 2009, , .		5
262	Space-Time Codes with Block-Orthogonal Structure and Their Simplified ML and Near-ML Decoding. , 2010, , .		5
263	Pre/Post-Rake Diversity Combining for UWB Communications in the Presence of Pulse Overlap. IEEE Transactions on Wireless Communications, 2012, 11, 481-487.	9.2	5
264	Embedded Marker Code for Channels Corrupted by Insertions, Deletions, and AWGN. IEEE Transactions on Magnetics, 2013, 49, 2535-2538.	2.1	5
265	Quadratic weight vector for tighter aperiodic Levenshtein bound. , 2013, , .		5
266	On optimal binary Z-complementary pair of odd period. , 2013, , .		5
267	Performance of channel coding and equalization for acoustic telemetry along drill strings. , 2014, , .		5
268	Coding and Detection for Channels With Written-In Errors and Inter-Symbol Interference. IEEE Transactions on Magnetics, 2014, 50, 1-6.	2.1	5
269	Performance Analysis of Network Coding With Virtual Overhearing in Wireless Networks. IEEE Transactions on Vehicular Technology, 2015, 64, 2051-2061.	6.3	5
270	Asymptotic performance analysis of protograph LDPC-coded STBC systems in fading channels. , 2015, , .		5



#	ARTICLE	IF	CITATIONS
271	Spatial-Temporal Network Coding Based on BATS Code. IEEE Communications Letters, 2017, 21, 620-623.	4.1	5
272	BSM dissemination with network coded relaying in VANETs at NLOS intersections. , 2017, , .		5
273	CPM Training Waveforms With Autocorrelation Sidelobes Close to Zero. IEEE Transactions on Vehicular Technology, 2018, 67, 11269-11273.	6.3	5
274	Optimal Scheduling for Multi-Hop Video Streaming with Network Coding in Vehicular Networks. , 2018, , .		5
275	Energy harvesting two-way relaying with antenna selection scheme. IET Communications, 2019, 13, 198-204.	2.2	5
276	Mobile Robot Localization Based On Low-Cost LTE And Odometry In GPS-Denied Outdoor Environment. , 2019, , .		5
277	Low-PMEPR Preamble Sequence Design for Dynamic Spectrum Allocation in OFDMA Systems. IEEE Transactions on Communications, 2020, 68, 2922-2933.	7.8	5
278	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
279	Impact of Primary User Activity Statistics in Cognitive Vehicular Networks. IEEE Transactions on Vehicular Technology, 2022, 71, 2859-2873.	6.3	5
280	Optimum receiver for space-time trellis code in multipath fading channel. , 0, , .		4
281	Imperceptible data embedding in sharply-contrasted binary images. , 0, , .		4
282	Decoding Algorithm of Block and Product Codes with Channel State Information. , 0, , .		4
283	Improved Code Shortening for Block and Product Codes. , 0, , .		4
284	Space-Time Block Codes in Nakagami Fading Channels with Non-Identical m-Distributions. , 2007, , .		4
285	Turbo Product Codes for Mobile Multimedia Broadcasting With Partial-Time Jamming. IEEE Transactions on Broadcasting, 2007, 53, 256-262.	3.2	4
286	Four-Group Decodable Semi-Orthogonal Algebraic Space-Time Block Codes. , 2007, , .		4
287	Performance Analysis of Binned Orthogonal/Bi-Orthogonal Block Code as Dirty-Paper Code for Digital Watermarking Application. IEEE Signal Processing Letters, 2009, 16, 208-211.	3.6	4
288	Combined normalized and offset min-sum decoding over partial response channels. , 2009, , .		4

#	ARTICLE	IF	CITATIONS
289	Dual-Feed Cavity-Backed Slot Antennas. Journal of Electromagnetic Waves and Applications, 2010, 24, 13-23.	1.6	4
290	Improved lower bound for quasi-complementary sequence set. , 2011, , .		4
291	Blind combining for weighted energy detection of UWB signals. Electronics Letters, 2011, 47, 55.	1.0	4
292	Wireless compressive sensing for energy harvesting sensor nodes over fading channels. , 2013, , .		4
293	Dynamic write-level and read-level signal design for MLC NAND flash memory. , 2014, , .		4
294	An Achievable Region for Double-Unicast Networks With Linear Network Coding. IEEE Transactions on Communications, 2014, 62, 3621-3630.	7.8	4
295	Novel Joint Detection and Decoding Schemes for TDMR Channels. IEEE Transactions on Magnetics, 2015, 51, 1-6.	2.1	4
296	Optimal spectrally-constrained sequences. , 2015, , .		4
297	Cooperative quadrature physical layer network coding in wireless relay networks. International Journal of Communication Systems, 2015, 28, 112-126.	2.5	4
298	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
299	Precoder Designs for the Relay-Aided X Channel Without Source CSI. IEEE Transactions on Signal Processing, 2017, 65, 41-55.	5.3	4
300	Cooperative Cache Transfer-based On-demand Network Coded Broadcast in Vehicular Networks. Transactions on Embedded Computing Systems, 2019, 18, 1-20.	2.9	4
301	Unimodular Sequence Design with Good Local Auto- and Cross-Ambiguity Function for MSPSR System. , 2019, , .		4
302	Variable-Rate Coding With Constant BER for NOMA via Multilevel IRA Coding. IEEE Transactions on Vehicular Technology, 2019, 68, 5149-5153.	6.3	4
303	Range/Doppler Sidelobe Suppression in Moving Target Detection Based on Time-Frequency Binomial Design. , 2019, , .		4
304	Cross Z-Complementary Pairs (CZCPs) for Optimal Training in Broadband Spatial Modulation Systems. , 2020, , .		4
305	Learning to Schedule Joint Radar-Communication Requests for Optimal Information Freshness. , 2021, , .		4
306	Analysis of Innovative Rank of Batched Network Codes for Wireless Relay Networks. , 2021, , .		4

#	ARTICLE	IF	CITATIONS
307	Cholesky decomposition model for correlated MRC diversity systems in Nakagami fading channels. , 0, , .		3
308	On the search for high-rate quasiorthogonal space-time block code. , 0, , .		3
309	Performance of Asynchronous MC-CDMA Systems with Maximal Ratio Combining in Frequency-Selective Fading Channels. Eurasip Journal on Advances in Signal Processing, 2004, 2004, 1.	1.7	3
310	BER performance of transmitted-reference UWB systems with notch filter in the presence of inter-pulse interference and partial-band interference. , 2007, , .		3
311	Channel-Matched Spreading Codes for the Downlink of MC-CDMA. , 2007, , .		3
312	An onâ€œoff-Keying Optical Receiver With Dual Thresholds and Erasure Zone. IEEE Photonics Technology Letters, 2007, 19, 1592-1594.	2.5	3
313	Block-orthogonal space-time codes with decoding complexity reduction. , 2010, , .		3
314	Novel pseudorandom phase generation in transform domain communication systems. , 2011, , .		3
315	Modulation classification for asynchronous highâ€œorder QAM signals. Wireless Communications and Mobile Computing, 2011, 11, 1415-1422.	1.2	3
316	G-ER: Group-epidemic routing for mobile ad hoc networks with buffer sharing mechanism. , 2011, , .		3
317	Improved two-stage CMA-based blind receivers for joint equalisation and multiuser detection. IET Communications, 2012, 6, 1131.	2.2	3
318	Reduced Functional dependence graphs and their applications. , 2012, , .		3
319	Bit-Level Soft-Decision Decoding of Triple-Parity Reed-Solomon Codes through Automorphism Groups. IEEE Communications Letters, 2013, 17, 553-556.	4.1	3
320	Design of coded digital telemetry system for acoustic downhole channel with drilling noise. , 2013, , .		3
321	Improper Gaussian signaling for the K-user SISO interference channel. , 2013, , .		3
322	On the modulation and signalling design for a transform domain communication system. IET Communications, 2014, 8, 2909-2916.	2.2	3
323	Towards optimal edge weight distribution and construction of fieldâ€œcompatible lowâ€œdensity parityâ€œcheck codes over GF( $q$ ). IET Communications, 2014, 8, 3215-3222.	2.2	3
324	Utility maximization for wirelessly powered multiple-antenna systems. , 2014, , .		3

#	ARTICLE	IF	CITATIONS
325	USRP based OFDM radar systems for doorway detection. , 2014, , .		3
326	Optimal wireless power transfer and harvested power allocation for diffusion LMS in wireless sensor networks. , 2015, , .		3
327	An Experiment on Delay-tolerant MIMO Visible Light Communication System. Procedia Engineering, 2016, 140, 176-182.	1.2	3
328	DNN-Aided Message Passing Based Block Sparse Bayesian Learning for Joint User Activity Detection and Channel Estimation. , 2019, , .		3
329	Optimal Power Allocation for Diffusion-Type Sensor Networks With Wireless Information and Power Transfer. IEEE Access, 2019, 7, 32408-32422.	4.2	3
330	Secrecy Throughput Maximization for Massive MIMO Wireless Powered Communication Networks. , 2019, , .		3
331	A Request-Transmission Splitting Scheme for V2X Networks: Design and Throughput Analysis. IEEE Access, 2019, 7, 158317-158325.	4.2	3
332	Finite-Length Performance Analysis of LDPC Coded Continuous Phase Modulation. IEEE Transactions on Vehicular Technology, 2020, 69, 12277-12280.	6.3	3
333	Thermodynamically Stable DNA Code Design using a Similarity Significance Model. , 2020, , .		3
334	Performance Analysis of Arbitrary Correlated Multiantenna Receiver for Mobile Cognitive User. , 2020, , .		3
335	Power Allocation-Aided Enhanced SM-OFDM: Closed-Form Solutions and Experimental Results. IEEE Transactions on Vehicular Technology, 2022, 71, 2146-2151.	6.3	3
336	Information-theoretic comparisons of cellular multiple-access systems with bandwidth-dependent fading considerations. Journal of the Franklin Institute, 2000, 337, 875-905.	3.4	2
337	Channel estimator for OFDM systems with 2-dimensional filtering in the transform domain. , 0, , .		2
338	Design & implementation of all digital I-Q modulator and demodulator for high speed WLAN in FPGA. , 0, , .		2
339	Slant transform watermarking for textured images. , 0, , .		2
340	Improvement of dispersion tolerance using wavelength-interleaving and forward error correction. Optics Communications, 2006, 268, 226-230.	2.1	2
341	Analysis of Error Probability of Orthogonal Dirty-Paper Codes in Watermarking Applications. , 0, , .		2
342	Effectiveness of tone-reservation using null subcarriers (TR-NS) in WiMAX systems. , 2007, , .		2

#	ARTICLE	IF	CITATIONS
343	Multi-target UWB passive ranging with local template uncertainty. , 2008, , .		2
344	Effects of synchronization errors on energy detection of UWB signals. , 2008, , .		2
345	Performance Analysis of Space-Time Block Codes in Nakagami-m Keyhole Channels with Arbitrary Fading Parameters. , 2008, , .		2
346	Performance analysis of transmitted-reference UWB systems with narrowband interference suppression. <i>Wireless Communications and Mobile Computing</i> , 2009, 9, 1081-1088.	1.2	2
347	Resolving overlapped UWB pulses using novel non-chirp UWB waveforms and Phase-Only Correlator. , 2009, , .		2
348	Group-Decodable Diversity Embedded Space-Time Codes. , 2010, , .		2
349	Optimal Channel and Time-Of-Arrival Estimation for IR-UWB in the Presence of Pulse Overlap. , 2010, , .		2
350	Routing for group mobility in mobile ad hoc networks with delay-tolerant approach. , 2010, , .		2
351	Delay-Tolerant Cooperative Diversity Routing MANET. , 2010, , .		2
352	Distributed power allocation for network MIMO with a Bayesian game-theoretic approach. , 2011, , .		2
353	On the mutual information between random variables in networks. , 2013, , .		2
354	64-QAM complementary sets for high-rate OFDM transmissions. , 2013, , .		2
355	MIMO-diversity switching techniques for digital transmission in visible light communication. , 2013, , .		2
356	MISO interference channel with improper Gaussian signaling. , 2013, , .		2
357	On the degrees of freedom of the 3-user rank-deficient MIMO interference channels. , 2013, , .		2
358	Precoder design for the interference relay channel with blind transmitters. , 2014, , .		2
359	Shuffled Multi-Track Detection for Shingled Magnetic Recording Channels With an Array of Read Heads. <i>IEEE Transactions on Magnetics</i> , 2014, 50, 1-4.	2.1	2
360	A Performance Study of the Joint Viterbi Detector Decoder (JVDD) with GDLD and GDPD Codes. , 2014, , .		2

#	ARTICLE	IF	CITATIONS
361	Balancing Weighted Substreams in MIMO Interference Channels. IEEE Wireless Communications Letters, 2014, 3, 513-516.	5.0	2
362	Reliable broadcast to a user group with limited source transmissions. , 2015, , .		2
363	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
364	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
365	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
366	Design and Analysis of Anytime Codes for Relay Channels. IEEE Transactions on Communications, 2018, 66, 1349-1362.	7.8	2
367	Link Adaption aided Enhanced Spatial Modulation for MIMO Transmissions. , 2018, , .		2
368	Efficient, Fair, and QoS-Aware Policies for Wirelessly Powered Communication Networks. IEEE Transactions on Communications, 2020, 68, 5892-5907.	7.8	2
369	Optimal Joint Sensing Threshold and Sub-channel Power Allocation in Multi-channel Cognitive Radio. Lecture Notes in Computer Science, 2013, , 251-261.	1.3	2
370	BER Formulation for the Blind Retrieval of MPEG Video Watermark. Lecture Notes in Computer Science, 2003, , 91-104.	1.3	2
371	Collaborative Radio SLAM for Multiple Robots based on WiFi Fingerprint Similarity. , 2021, , .		2
372	Effect of genetic algorithm parameters on PCS network planning. , 0, , .		1
373	Performance of iterative multiuser receivers for turbo-coded asynchronous DS-CDMA systems over flat-fading channels. IET Communications, 2005, 152, 705.	1.0	1
374	Application of erasure decoding in fiber optical systems with FEC. , 0, , .		1
375	Frequency-Domain Fractionally-Spaced MMSE Multiuser Receiver for Multicarrier CDMA. , 2006, , .		1
376	Full-Rate Real-Symbol-Decodable O-STBC with Offset QAM for Four Transmit Antennas. , 2007, , .		1
377	A Performance Comparison of DS-CDMA and MC-CDMA with Per-User MMSE Frequency Domain Equalization. , 2007, , .		1
378	A high rate open-loop MIMO multi-user downlink transmission system. , 2007, , .		1

#	ARTICLE	IF	CITATIONS
379	An Improved Orthogonal Dirty-Paper Coding Method for Watermarking Applications. , 2007, , .		1
380	A novel MMSE detection technique for DS-CDMA. , 2007, , .		1
381	On the diversity performance of nonregenerative cooperative transmission systems. , 2007, , .		1
382	Multi-User SISO Precoding Based on Generalized Multi-Unitary Decomposition for Single-Carrier Transmission in Frequency Selective Channel. , 2009, , .		1
383	Design and implementation of single-carrier MIMO transmission with frequency domain equalization. , 2010, , .		1
384	Application of the grain flipping probability model to heat assisted magnetic recording. Journal of Applied Physics, 2012, 111, 07B714.	2.5	1
385	Enhanced Bayesian compressive sensing for ultra-wideband channel estimation. , 2012, , .		1
386	Coplanar waveguide wideband bandpass filter and its application to ultra-wideband pulse generation. International Journal of RF and Microwave Computer-Aided Engineering, 2012, 22, 370-376.	1.2	1
387	Full-filling algorithm for power allocation in OFDM-based cognitive radio systems. , 2013, , .		1
388	Joint routing and random network coding for multi-session networks. , 2013, , .		1
389	Combined orthogonal physical-layer network coding (COPNC) for asymmetric two-way relay channels. , 2013, , .		1
390	Dynamic channel estimation and power allocation for wireless power beamforming. , 2014, , .		1
391	Turbo equalization for waveforms encoded by Reed Solomon codes. , 2015, , .		1
392	Spatially coupled repeat-accumulate codes over half-duplex relay channel. , 2016, , .		1
393	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
394	A New Transmit Beamforming Scheme for Bidirectional Relaying. Wireless Personal Communications, 2017, 97, 5929-5939.	2.7	1
395	Joint Source-Channel Coding for Asymmetric Slepian-Wolf Multiple Access Relay Channel. IEEE Wireless Communications Letters, 2017, 6, 642-645.	5.0	1
396	A frequency-domain approach to tightening the generalized levenshtein bound. , 2017, , .		1

#	ARTICLE	IF	CITATIONS
397	Blind Multi-User Detection of Co-Frequency Signals with Unknown Carrier Frequency Offsets. , 2018, , .		1
398	Pilot design for channel estimation in Doubly Selective Channel. , 2018, , .		1
399	Spatial Modulation Based on Supervised Learning. , 2018, , .		1
400	A V2X Communication System Test on Sea. , 2019, , .		1
401	On Physical Layer Security over $\alpha$ - $\beta$ Fading for Relay based Vehicular Networks. , 2020, , .		1
402	Performance Analysis of NOMA aided Cooperative Relaying over $\alpha$ - $\beta$ Fading Channels. , 2020, , .		1
403	Distributed Spectrum Sensing for Cognitive Vehicular Networks using Quasi-Newton Optimization. , 2021, , .		1
404	A method to implement optical logic AND based on FWM effect of SOA. , 0, , .		1
405	Performance evaluation of STC in equalized frequency selective multipath fading channel. , 0, , .		0
406	A novel frequency-domain frame synchronization algorithm for digital communication systems. , 0, , .		0
407	Optimal design of EO polymer modulator with high operating bandwidth. , 0, , .		0
408	Enhancement of blind watermark retrieval in drift-compensated MPEG video. , 0, , .		0
409	FEC performance of optical communication systems with PMD and wavelength interleaving. , 2004, , .		0
410	Turbo decoding of product code based on SPC component decoding. , 2004, , .		0
411	On the Weight Enumerator and BER Bounds of Shortened Block and Product Codes. , 0, , .		0
412	Single-Symbol Decodable Differential Space-Time Modulation Based on QO-STBC. , 0, , .		0
413	Turbo Product Code for Flat-Fading Channels with Pulse Jamming. , 0, , .		0
414	Spatial Precoding and Loading for Multi-User Multiple-Antenna OFDM Systems. , 2006, , .		0



#	ARTICLE	IF	CITATIONS
415	Performance of open loop transmit diversity schemes in the downlink multicell CDMA system. , 2007, , .		0
416	Location Aided Directed Routing (LADR) Protocol for Mobile Ad-hoc Networks. , 2007, , .		0
417	Reconfigurable FPGA Implementation of Product Accumulate Codes. Signal Processing Systems Design and Implementation (siPS), IEEE Workshop on, 2007, , .	0.0	0
418	Tight BER bound of binned orthogonal and quasi-orthogonal dirty-paper codes. , 2008, , .		0
419	Two-Real-Symbol-Decoding for O-STBC with Offset QAM for Four Transmit Antennas. IEEE Vehicular Technology Conference, 2008, , .	0.4	0
420	Novel Symbol-Wise ML Decodable STBC for IEEE 802.16e/m Standard. , 2009, , .		0
421	A new class of Quadriphase Even-Shift Orthogonal Sequences. , 2009, , .		0
422	Novel detection technique for DS-CDMA with frequency domain oversampling. , 2009, , .		0
423	High rate open-loop MIMO multi-user downlink transmission scheme based on blind precoding quasi-orthogonal space time block code. IET Communications, 2009, 3, 1757.	2.2	0
424	Generalized binned linear binary codes as dirty-paper codes for digital watermarking application. , 2011, , .		0
425	Power Control in Opportunistic Spectrum Access Cognitive Radio with Sensing Information at Transmitter. , 2011, , .		0
426	Purpose-movement assisted routing for group mobility in disconnected mobile ad hoc networks. , 2012, , .		0
427	Analysis of antenna selection rate in bi-directional network coded multi-antenna relay. , 2012, , .		0
428	Application and Optimization of Factor Graph-Based Detector on 1D ISI Magnetic Recording Channel. IEEE Transactions on Magnetics, 2013, 49, 2500-2503.	2.1	0
429	EXIT-chart-based threshold calculation of LDPC code in 2D ISI channels. , 2013, , .		0
430	Optimization of Bit-Patterned Media Recording (BPMR) System via Tolerance Design. IEEE Transactions on Magnetics, 2013, 49, 3624-3627.	2.1	0
431	Improved spectrum efficiency for transform domain communication systems. , 2013, , .		0
432	25 to 300 Degree celsius 80bps acoustic transmitter based on crystal-less temperature-independent frequency reference with differential modulation for drilling noise power cancellation. , 2013, , .		0

#	ARTICLE	IF	CITATIONS
433	Joint optimization of cooperative users and sub-band power for cooperative spectrum sensing and communication in wideband cognitive radio. , 2013, , .		0
434	Linearly-encodable rate-compatible punctured LDPC codes with low error floor. , 2013, , .		0
435	Degrees of freedom of three-user SISO interference channels under hybrid CSI at the transmitters. , 2015, , .		0
436	Finite-length EXIT analysis for protograph-coded two-dimensional ISI channels. , 2015, , .		0
437	File distribution in wireless broadcast network: A unified performance comparison. , 2015, , .		0
438	A blind and partial interference alignment scheme based on pulse shaping for 3-user SISO interference channel. , 2015, , .		0
439	Multi-source erasure networks with source precoding and random linear network coding. , 2015, , .		0
440	ICI-Resilient Cognitive Radio Sequences for Transform Domain Communication Systems. , 2015, , .		0
441	Reduced functional dependence graphs. IET Networks, 2015, 4, 102-110.	1.8	0
442	Detection of single carrier transmission in frequency selective fading channels with symmetric alpha-stable noise. , 2015, , .		0
443	Implementation aspects for interference alignment. , 2015, , .		0
444	Parallel matricization for n-D array operations. , 2016, , .		0
445	Semiblind Interference Alignment: A New Framework. IEEE Signal Processing Letters, 2016, 23, 580-584.	3.6	0
446	Lens MIMO based millimeter wave broadcast channel. , 2017, , .		0
447	Impact of estimation error on two-way relaying with relay antenna selection. ICT Express, 2018, 4, 149-153.	4.8	0
448	Practical relay code design based on protograph codes. IET Communications, 2018, 12, 334-339.	2.2	0
449	Secrecy Throughput Maximization for Full-Duplex Wireless Powered Communication Networks. , 2019, , .		0
450	Random NOMA With Cross-Slot Successive Interference Cancellation Packet Recovery. IEEE Wireless Communications Letters, 2020, , 1-1.	5.0	0

#	ARTICLE	IF	CITATIONS
451	UWB Wireless Respiration Detection Technique for Sleep Apnea Monitoring. , 2011, , .		0
452	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
453	Deep Reinforcement Learning for Time Allocation and Directional Transmission in Joint Radar-Communication. , 2022, , .		0