

Yong Liang Guan

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

366
papers

6,742
citations

38
h-index

69
g-index

455
ext. papers

8,510
ext. citations

5.1
avg. IF

6.43
L-index

#	Paper	IF	Citations
366	A Blockchain Based Federated Learning for Message Dissemination in Vehicular Networks. <i>IEEE Transactions on Vehicular Technology</i> , 2022 , 71, 1927-1940	6.8	7
365	Learning to Schedule Joint Radar-Communication With Deep Multi-Agent Reinforcement Learning. <i>IEEE Transactions on Vehicular Technology</i> , 2022 , 71, 406-422	6.8	2
364	Near-Optimal BEM OTFS Receiver with Low Pilot Overhead for High-Mobility Communications. <i>IEEE Transactions on Communications</i> , 2022 , 1-1	6.9	0
363	Impact of Primary User Activity Statistics in Cognitive Vehicular Networks. <i>IEEE Transactions on Vehicular Technology</i> , 2021 , 1-1	6.8	2
362	2021 ,		1
361	Power Allocation-Aided Enhanced SM-OFDM: Closed-form Solutions and Experimental Results. <i>IEEE Transactions on Vehicular Technology</i> , 2021 , 1-1	6.8	0
360	Robust Deep Learning Based End-to-End Receiver for OFDM System with Non-Linear Distortion. <i>IEEE Communications Letters</i> , 2021 , 1-1	3.8	0
359	On Sensing Performance of Multi-antenna Mobile Cognitive Radio conditioned on Primary User Activity Statistics. <i>IEEE Transactions on Wireless Communications</i> , 2021 , 1-1	9.6	5
358	Perturbed Adaptive Belief Propagation Decoding for High-Density Parity-Check Codes. <i>IEEE Transactions on Communications</i> , 2021 , 69, 2065-2079	6.9	1
357	Edge Intelligence for Autonomous Driving in 6G Wireless System: Design Challenges and Solutions. <i>IEEE Wireless Communications</i> , 2021 , 28, 40-47	13.4	18
356	Fast GAMP Algorithm for Nonlinearly Distorted OFDM Signals. <i>IEEE Communications Letters</i> , 2021 , 25, 1682-1686	3.8	2
355	Multi-Dimensional Polarized Modulation for Land Mobile Satellite Communications. <i>IEEE Transactions on Cognitive Communications and Networking</i> , 2021 , 7, 383-397	6.6	4
354	Performance Analysis of Space-Time Line Code in Correlated Fading Channels. <i>IEEE Transactions on Vehicular Technology</i> , 2021 , 70, 6244-6248	6.8	2
353	A Proof-of-Quality-Factor (PoQF)-Based Blockchain and Edge Computing for Vehicular Message Dissemination. <i>IEEE Internet of Things Journal</i> , 2021 , 8, 2468-2482	10.7	19
352	Blockchain for the Internet of Vehicles Towards Intelligent Transportation Systems: A Survey. <i>IEEE Internet of Things Journal</i> , 2021 , 8, 4157-4185	10.7	91
351	Intelligent Task Offloading for Heterogeneous V2X Communications. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2021 , 22, 2226-2238	6.1	31
350	Physical Layer Security in Cognitive Vehicular Networks. <i>IEEE Transactions on Communications</i> , 2021 , 69, 2557-2569	6.9	3

349	Distributed Spectrum Sensing for Cognitive Vehicular Networks using Quasi-Newton Optimization 2021,		1
348	Performance Analysis of NOMA in Vehicular Communications Over i.n.i.d Nakagami-m Fading Channels. <i>IEEE Transactions on Wireless Communications</i> , 2021 , 1-1	9.6	5
347	Support Vector Machine-Based Blind Equalization for High-Order QAM With Short Data Length. <i>IEEE Signal Processing Letters</i> , 2021 , 28, 259-263	3.2	1
346	Spectrum-Learning-Aided Reconfigurable Intelligent Surfaces for Green 6G Networks. <i>IEEE Network</i> , 2021 , 35, 20-26	11.4	3
345	Reconfigurable Intelligent Surface for Low-Latency Edge Computing in 6G. <i>IEEE Wireless Communications</i> , 2021 , 28, 72-79	13.4	4
344	Communication and Computing Resource Optimization for Connected Autonomous Driving. <i>IEEE Transactions on Vehicular Technology</i> , 2020 , 69, 12652-12663	6.8	13
343	Impact of Big Vehicle Shadowing on Vehicle-to-Vehicle Communications. <i>IEEE Transactions on Vehicular Technology</i> , 2020 , 69, 6902-6915	6.8	5
342	Efficient, Fair, and QoS-Aware Policies for Wirelessly Powered Communication Networks. <i>IEEE Transactions on Communications</i> , 2020 , 68, 5892-5907	6.9	1
341	BEM-PSP for Single-Carrier and SC-FDMA Communication Over a Doubly Selective Fading Channel. <i>IEEE Transactions on Wireless Communications</i> , 2020 , 19, 3924-3937	9.6	4
340	Cellular-V2X Communications With Weighted-Power-Based Mode Selection. <i>IEEE Open Journal of the Communications Society</i> , 2020 , 1, 386-400	6.7	4
339	Random NOMA With Cross-Slot Successive Interference Cancellation Packet Recovery. <i>IEEE Wireless Communications Letters</i> , 2020 , 1-1	5.9	
338	User Activity Detection and Channel Estimation for Grant-Free Random Access in LEO Satellite-Enabled Internet of Things. <i>IEEE Internet of Things Journal</i> , 2020 , 7, 8811-8825	10.7	36
337	Low-PMEPR Preamble Sequence Design for Dynamic Spectrum Allocation in OFDMA Systems. <i>IEEE Transactions on Communications</i> , 2020 , 68, 2922-2933	6.9	2
336	Cross Z-Complementary Pairs for Optimal Training in Spatial Modulation Over Frequency Selective Channels. <i>IEEE Transactions on Signal Processing</i> , 2020 , 68, 1529-1543	4.8	5
335	Performance Analysis of Arbitrary Correlated Multiantenna Receiver for Mobile Cognitive User 2020,		1
334	Collaborative SLAM Based on WiFi Fingerprint Similarity and Motion Information. <i>IEEE Internet of Things Journal</i> , 2020 , 7, 1826-1840	10.7	26
333	. <i>IEEE Transactions on Vehicular Technology</i> , 2020 , 69, 1679-1694	6.8	2
332	A Novel Receiver Design of Nonorthogonal FDM Systems in Underwater Acoustics Communication. <i>IEEE Systems Journal</i> , 2020 , 14, 3875-3884	4.3	3

331	On the energy detection performance of multi-antenna correlated receiver for vehicular communication using MGF approach. <i>IET Communications</i> , 2020 , 14, 1858-1868	1.3	3
330	Doppler Resilient Orthogonal Time-Frequency Space (OTFS) Systems Based on Index Modulation 2020 ,		6
329	New Complementary Sets With Low PAPR Property Under Spectral Null Constraints. <i>IEEE Transactions on Information Theory</i> , 2020 , 66, 7022-7032	2.8	4
328	Finite-Length Performance Analysis of LDPC Coded Continuous Phase Modulation. <i>IEEE Transactions on Vehicular Technology</i> , 2020 , 69, 12277-12280	6.8	0
327	Oligo Design with Single Primer Binding Site for High Capacity DNA-Based Data Storage. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , 2020 , 17, 2176-2182	3	3
326	Cooperative positioning for emergency responders using self IMU and peer-to-peer radios measurements. <i>Information Fusion</i> , 2020 , 56, 93-102	16.7	19
325	. <i>IEEE Transactions on Information Theory</i> , 2020 , 66, 669-678	2.8	20
324	DNN-Aided Block Sparse Bayesian Learning for User Activity Detection and Channel Estimation in Grant-Free Non-Orthogonal Random Access. <i>IEEE Transactions on Vehicular Technology</i> , 2019 , 68, 12000-12012 ³⁶	6.8	36
323	Broadcast Performance Analysis and Improvements of the LTE-V2V Autonomous Mode at Road Intersection. <i>IEEE Transactions on Vehicular Technology</i> , 2019 , 68, 9359-9369	6.8	33
322	Unimodular Sequence Design with Good Local Auto- and Cross-Ambiguity Function for MSPSR System 2019 ,		3
321	. <i>IEEE Communications Letters</i> , 2019 , 23, 1186-1189	3.8	6
320	DNN-Aided Message Passing Based Block Sparse Bayesian Learning for Joint User Activity Detection and Channel Estimation 2019 ,		2
319	Achieve Privacy-Preserving Priority Classification on Patient Health Data in Remote eHealthcare System. <i>IEEE Access</i> , 2019 , 7, 33565-33576	3.5	18
318	Deep neural network-aided Gaussian message passing detection for ultra-reliable low-latency communications. <i>Future Generation Computer Systems</i> , 2019 , 95, 629-638	7.5	8
317	Capacity-Achieving MIMO-NOMA: Iterative LMMSE Detection. <i>IEEE Transactions on Signal Processing</i> , 2019 , 67, 1758-1773	4.8	51
316	Construction of Bio-Constrained Code for DNA Data Storage. <i>IEEE Communications Letters</i> , 2019 , 23, 963-966	3.8	21
315	Secrecy Throughput Maximization for Full-Duplex Wireless Powered IoT Networks Under Fairness Constraints. <i>IEEE Internet of Things Journal</i> , 2019 , 6, 6964-6976	10.7	16
314	Variable-Rate Coding With Constant BER for NOMA via Multilevel IRA Coding. <i>IEEE Transactions on Vehicular Technology</i> , 2019 , 68, 5149-5153	6.8	4

313	Optimal Power Allocation for Diffusion-Type Sensor Networks With Wireless Information and Power Transfer. <i>IEEE Access</i> , 2019 , 7, 32408-32422	3.5	3
312	An efficient and privacy-Preserving pre-clinical guide scheme for mobile eHealthcare. <i>Journal of Information Security and Applications</i> , 2019 , 46, 271-280	3.5	4
311	Cooperative Cache Transfer-based On-demand Network Coded Broadcast in Vehicular Networks. <i>Transactions on Embedded Computing Systems</i> , 2019 , 18, 1-20	1.8	3
310	Adaptive Spatial Modulation MIMO Based on Machine Learning. <i>IEEE Journal on Selected Areas in Communications</i> , 2019 , 37, 2117-2131	14.2	37
309	A New Insight Into GAMP and AMP. <i>IEEE Transactions on Vehicular Technology</i> , 2019 , 68, 8264-8269	6.8	15
308	On the Joint Impact of SU Mobility and PU Activity in Cognitive Vehicular Networks with Improved Energy Detection 2019 ,		6
307	Optimized Code Design for Constrained DNA Data Storage With Asymmetric Errors. <i>IEEE Access</i> , 2019 , 7, 84107-84121	3.5	12
306	Low Complexity Detection Algorithms for OTFS under Rapidly Time-Varying Channel 2019 ,		24
305	Space-Time/Frequency Line Coded OFDM: System Design and Practical Implementation. <i>IEEE Access</i> , 2019 , 7, 151915-151928	3.5	13
304	Packet Efficiency of BATS Coding on Wireless Relay Network with Overhearing 2019 ,		7
303	A V2X Communication System Test on Sea 2019 ,		1
302	Energy harvesting two-way relaying with antenna selection scheme. <i>IET Communications</i> , 2019 , 13, 198-204		3
301	Mobile Robot Localization Based On Low-Cost LTE And Odometry In GPS-Denied Outdoor Environment 2019 ,		1
300	2019 ,		3
299	A Request-Transmission Splitting Scheme for V2X Networks: Design and Throughput Analysis. <i>IEEE Access</i> , 2019 , 7, 158317-158325	3.5	3
298	High capacity DNA data storage with variable-length Oligonucleotides using repeat accumulate code and hybrid mapping. <i>Journal of Biological Engineering</i> , 2019 , 13, 89	6.3	9
297	New Optimal Binary Z-Complementary Pairs of Odd Length 2^{m+3} . <i>IEEE Signal Processing Letters</i> , 2019 , 26, 1931-1934	3.2	16
296	. <i>IEEE Transactions on Wireless Communications</i> , 2019 , 18, 210-226	9.6	49

295	Low-Complexity Single-Channel Blind Separation of Co-Frequency Coded Signals. <i>IEEE Communications Letters</i> , 2018 , 22, 990-993	3.8	5
294	Reversible and Fast Responsive Optical Fiber Relative Humidity Sensor Based on Polyelectrolyte Self-Assembly Multilayer Film. <i>IEEE Sensors Journal</i> , 2018 , 18, 1081-1086	4	15
293	Spectrally-Constrained Sequences: Bounds and Constructions. <i>IEEE Transactions on Information Theory</i> , 2018 , 64, 2571-2582	2.8	14
292	. <i>IEEE Transactions on Multimedia</i> , 2018 , 20, 271-281	6.6	11
291	Design Guidelines of Low-Density Parity-Check Codes for Magnetic Recording Systems. <i>IEEE Communications Surveys and Tutorials</i> , 2018 , 20, 1574-1606	37.1	33
290	A Multiplier-Free Generator for Polyphase Complete Complementary Codes. <i>IEEE Transactions on Signal Processing</i> , 2018 , 66, 1184-1196	4.8	31
289	Impact of estimation error on two-way relaying with relay antenna selection. <i>ICT Express</i> , 2018 , 4, 149-153	3.9	3
288	Performance Analysis of IEEE 802.11p Safety Message Broadcast With and Without Relaying at Road Intersection. <i>IEEE Access</i> , 2018 , 6, 23786-23799	3.5	38
287	Efficient Real-Time Coding-Assisted Heterogeneous Data Access in Vehicular Networks. <i>IEEE Internet of Things Journal</i> , 2018 , 5, 3499-3512	10.7	18
286	Analysis and Improvement of Reliability Through Coding for Safety Message Broadcasting in Urban Vehicular Networks. <i>IEEE Transactions on Vehicular Technology</i> , 2018 , 67, 6774-6787	6.8	21
285	Design and Analysis of Anytime Codes for Relay Channels. <i>IEEE Transactions on Communications</i> , 2018 , 66, 1349-1362	6.9	1
284	Batched Network Coding With Adaptive Recoding for Multi-Hop Erasure Channels With Memory. <i>IEEE Transactions on Communications</i> , 2018 , 66, 1042-1052	6.9	15
283	Decision-Directed Retention-Failure Recovery With Channel Update for MLC NAND Flash Memory. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2018 , 65, 353-365	3.9	10
282	Practical MIMO-NOMA: Low Complexity and Capacity-Approaching Solution. <i>IEEE Transactions on Wireless Communications</i> , 2018 , 17, 6251-6264	9.6	46
281	Optimal Scheduling for Multi-Hop Video Streaming with Network Coding in Vehicular Networks 2018 ,		3
280	A Semi-Empirical Performance Study of Two-Hop DSRC Message Relaying at Road Intersections. <i>Information (Switzerland)</i> , 2018 , 9, 147	2.6	12
279	Design of Chirp Waveforms for Multiple-Access Ultrasonic Indoor Positioning. <i>IEEE Sensors Journal</i> , 2018 , 18, 6375-6390	4	24
278	. <i>IEEE Access</i> , 2018 , 6, 37918-37931	3.5	3

277	Multidomain Index Modulation for Vehicular and Railway Communications: A Survey of Novel Techniques. <i>IEEE Vehicular Technology Magazine</i> , 2018 , 13, 124-134	9.9	26
276	Recent development of fiber-optic chemical sensors and biosensors: Mechanisms, materials, micro/nano-fabrications and applications. <i>Coordination Chemistry Reviews</i> , 2018 , 376, 348-392	23.2	114
275	Overcoming Endurance Issue: UAV-Enabled Communications With Proactive Caching. <i>IEEE Journal on Selected Areas in Communications</i> , 2018 , 36, 1231-1244	14.2	91
274	Applications of Temporal Network Coding in V2X Communications. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2018 , 53-63	0.2	
273	Pilot design for channel estimation in Doubly Selective Channel 2018 ,		1
272	A Comprehensive Study of IoT and WSN MAC Protocols: Research Issues, Challenges and Opportunities. <i>IEEE Access</i> , 2018 , 6, 76228-76262	3.5	54
271	V2X Content Distribution Based on Batched Network Coding With Distributed Scheduling. <i>IEEE Access</i> , 2018 , 6, 59449-59461	3.5	14
270	Enabling Efficient and Privacy-Preserving Health Query Over Outsourced Cloud. <i>IEEE Access</i> , 2018 , 6, 70831-70842	3.5	5
269	. <i>IEEE Transactions on Vehicular Technology</i> , 2018 , 67, 11525-11536	6.8	7
268	CPM Training Waveforms With Autocorrelation Sidelobes Close to Zero. <i>IEEE Transactions on Vehicular Technology</i> , 2018 , 67, 11269-11273	6.8	4
267	Practical relay code design based on protograph codes. <i>IET Communications</i> , 2018 , 12, 334-339	1.3	
266	New Sets of Even-Length Binary Z-Complementary Pairs With Asymptotic ZCZ Ratio of $\frac{3}{4}$. <i>IEEE Signal Processing Letters</i> , 2018 , 25, 970-973	3.2	39
265	Quasi-Universal BATS Code. <i>IEEE Transactions on Vehicular Technology</i> , 2017 , 66, 3497-3501	6.8	11
264	Asymptotically Locally Optimal Weight Vector Design for a Tighter Correlation Lower Bound of Quasi-Complementary Sequence Sets. <i>IEEE Transactions on Signal Processing</i> , 2017 , 65, 3107-3119	4.8	10
263	Adaptive SM-MIMO for mmWave Communications With Reduced RF Chains. <i>IEEE Journal on Selected Areas in Communications</i> , 2017 , 35, 1472-1485	14.2	29
262	Training Sequence Design for Efficient Channel Estimation in MIMO-FBMC Systems. <i>IEEE Access</i> , 2017 , 5, 4747-4758	3.5	24
261	Mitigating Stuck Cell Failures in MLC NAND Flash Memory via Inferred Erasure Decoding. <i>IEEE Transactions on Very Large Scale Integration (VLSI) Systems</i> , 2017 , 25, 2285-2295	2.6	2
260	Spatial-Temporal Network Coding Based on BATS Code. <i>IEEE Communications Letters</i> , 2017 , 21, 620-623	3.8	5

259	Retention-Aware Belief-Propagation Decoding for NAND Flash Memory. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2017 , 64, 725-729	3.5	16
258	Edge-Based Dynamic Scheduling for Belief-Propagation Decoding of LDPC and RS Codes. <i>IEEE Transactions on Communications</i> , 2017 , 65, 525-535	6.9	14
257	Sparse Vector Recovery: Bernoulli-Gaussian Message Passing 2017 ,		7
256	A New Transmit Beamforming Scheme for Bidirectional Relaying. <i>Wireless Personal Communications</i> , 2017 , 97, 5929-5939	1.9	1
255	Joint Source-Channel Coding for Asymmetric Slepian-Wolf Multiple Access Relay Channel. <i>IEEE Wireless Communications Letters</i> , 2017 , 6, 642-645	5.9	1
254	An Improved Hybrid Turbo Equalizer for Single Carrier Transmission with Impulsive Noise and ISI. <i>IEEE Transactions on Vehicular Technology</i> , 2017 , 66, 9852-9861	6.8	3
253	Chirp Spread Spectrum Toward the Nyquist Signaling Rate Orthogonality Condition and Applications. <i>IEEE Signal Processing Letters</i> , 2017 , 24, 1488-1492	3.2	31
252	Two-Valued Periodic Complementary Sequences. <i>IEEE Signal Processing Letters</i> , 2017 , 24, 1270-1274	3.2	6
251	Low-Complexity Belief-Propagation Decoding via Dynamic Silent-Variable-Node-Free Scheduling. <i>IEEE Communications Letters</i> , 2017 , 21, 28-31	3.8	15
250	Informed Fixed Scheduling for Faster Convergence of Shuffled Belief-Propagation Decoding. <i>IEEE Communications Letters</i> , 2017 , 21, 32-35	3.8	15
249	Precoder Designs for the Relay-Aided X Channel Without Source CSI. <i>IEEE Transactions on Signal Processing</i> , 2017 , 65, 41-55	4.8	3
248	New optimal binary Z-complementary pairs of odd lengths 2017 ,		13
247	BSM dissemination with network coded relaying in VANETs at NLOS intersections 2017 ,		3
246	Single-channel blind separation of co-frequency PSK signals with unknown carrier frequency offsets 2017 ,		2
245	Capacity-achieving iterative LMMSE detection for MIMO-NOMA systems 2016 ,		25
244	Optimal Binary Periodic Almost-Complementary Pairs. <i>IEEE Signal Processing Letters</i> , 2016 , 23, 1816-1820	9.2	10
243	Finite-length extrinsic information transfer analysis and design of protograph low-density parity-check codes for ultra-high-density magnetic recording channels. <i>IET Communications</i> , 2016 , 10, 1303-1311	1.3	2
242	Network Coding Based BSM Broadcasting at Road Intersection in V2V Communication 2016 ,		3

241	Improved orthogonal frequency division multiplexing with generalised index modulation. <i>IET Communications</i> , 2016 , 10, 969-974	1.3	19
240	Rate-Compatible Root-Protograph LDPC Codes for Quasi-Static Fading Relay Channels. <i>IEEE Transactions on Vehicular Technology</i> , 2016 , 65, 2741-2747	6.8	22
239	Detector for MLC NAND Flash Memory Using Neighbor-A-Priori Information. <i>IEEE Transactions on Very Large Scale Integration (VLSI) Systems</i> , 2016 , 24, 2827-2836	2.6	7
238	Two-Phase Cooperative Broadcasting Based on Batched Network Code. <i>IEEE Transactions on Communications</i> , 2016 , 64, 706-714	6.9	15
237	16-QAM Almost-Complementary Sequences With Low PMEPR. <i>IEEE Transactions on Communications</i> , 2016 , 64, 668-679	6.9	11
236	. <i>IEEE Communications Surveys and Tutorials</i> , 2016 , 18, 1687-1716	37.1	163
235	Read and Write Voltage Signal Optimization for Multi-Level-Cell (MLC) NAND Flash Memory. <i>IEEE Transactions on Communications</i> , 2016 , 64, 1613-1623	6.9	32
234	. <i>IEEE Transactions on Wireless Communications</i> , 2016 , 15, 2054-2068	9.6	85
233	. <i>IEEE Transactions on Wireless Communications</i> , 2016 , 15, 6487-6501	9.6	68
232	2016 ,		21
231	Spatially coupled repeat-accumulate codes over half-duplex relay channel 2016 ,		1
230	BATS code with unequal error protection 2016 ,		7
229	Semiblind Interference Alignment: A New Framework. <i>IEEE Signal Processing Letters</i> , 2016 , 23, 580-584	3.2	
228	Transmit Antenna Selection for Multiple-Input Multiple-Output Spatial Modulation Systems. <i>IEEE Transactions on Communications</i> , 2016 , 64, 2035-2048	6.9	43
227	Degrees of Freedom of Three-User SISO-X Networks With Hybrid CSI at the Transmitters. <i>IEEE Communications Letters</i> , 2016 , 20, 1002-1005	3.8	1
226	On striking the balance between the fairness of service and throughput in roadside units based vehicular ad hoc networks. <i>International Journal of Vehicle Autonomous Systems</i> , 2016 , 13, 168	0.4	1
225	An Experiment on Delay-tolerant MIMO Visible Light Communication System. <i>Procedia Engineering</i> , 2016 , 140, 176-182		3
224	Cooperative quadrature physical layer network coding in wireless relay networks. <i>International Journal of Communication Systems</i> , 2015 , 28, 112-126	1.7	3

223	Sensing-throughput tradeoff for cooperative multiple-input single-output cognitive radio. <i>International Journal of Communication Systems</i> , 2015 , 28, 848-860	1.7	7
222	. <i>IEEE Journal on Selected Areas in Communications</i> , 2015 , 33, 2974-2987	14.2	96
221	Generalization of Orthogonal Frequency Division Multiplexing With Index Modulation. <i>IEEE Transactions on Wireless Communications</i> , 2015 , 14, 5350-5359	9.6	172
220	Improving the Belief-Propagation Convergence of Irregular LDPC Codes Using Column-Weight Based Scheduling. <i>IEEE Communications Letters</i> , 2015 , 19, 1283-1286	3.8	18
219	A survey of inter-flow network coding in wireless mesh networks with unicast traffic. <i>Computer Networks</i> , 2015 , 91, 738-751	5.4	22
218	Design and Analysis of Root-Protograph LDPC Codes for Non-Ergodic Block-Fading Channels. <i>IEEE Transactions on Wireless Communications</i> , 2015 , 14, 738-749	9.6	25
217	Joint optimisation algorithm of cooperative spectrum sensing with cooperative overhead and sub-band transmission power for wideband cognitive radio network. <i>Transactions on Emerging Telecommunications Technologies</i> , 2015 , 26, 586-597	1.9	7
216	Optimal wireless power transfer and harvested power allocation for diffusion LMS in wireless sensor networks 2015 ,		2
215	Reliable broadcast to a user group with limited source transmissions 2015 ,		1
214	2015 ,		9
213	Reduced functional dependence graphs. <i>IET Networks</i> , 2015 , 4, 102-110	2.8	
212	Ultrawideband Channel Estimation: A Bayesian Compressive Sensing Strategy Based on Statistical Sparsity. <i>IEEE Transactions on Vehicular Technology</i> , 2015 , 64, 1819-1832	6.8	16
211	Performance Analysis of Network Coding With Virtual Overhearing in Wireless Networks. <i>IEEE Transactions on Vehicular Technology</i> , 2015 , 64, 2051-2061	6.8	4
210	. <i>IEEE Transactions on Magnetics</i> , 2015 , 51, 1-6	2	4
209	A Survey on Protograph LDPC Codes and Their Applications. <i>IEEE Communications Surveys and Tutorials</i> , 2015 , 17, 1989-2016	37.1	85
208	Wireless energy harvesting for the Internet of Things 2015 , 53, 102-108		367
207	Optimal spectrally-constrained sequences 2015 ,		3
206	Single-channel blind separation of co-frequency MPSK signals based on PSP algorithm with DFSE 2015 ,		5

205	Finite-SNR Precoder Designs for the Interference Relay Channel Without CSI at the transmitters. <i>IEEE Transactions on Communications</i> , 2015 , 63, 4754-4767	6.9	2
204	Turbo equalization for waveforms encoded by Reed Solomon codes 2015 ,		1
203	Asymptotic performance analysis of protograph LDPC-coded STBC systems in fading channels 2015 ,		2
202	Fractional-Delay-Resilient Receiver Design for Interference-Free MC-CDMA Communications Based on Complete Complementary Codes. <i>IEEE Transactions on Wireless Communications</i> , 2015 , 14, 1226-1236	9.6	45
201	. <i>IEEE Journal on Selected Areas in Communications</i> , 2015 , 1-1	14.2	217
200	New Complete Complementary Codes for Peak-to-Mean Power Control in Multi-Carrier CDMA. <i>IEEE Transactions on Communications</i> , 2014 , 62, 1105-1113	6.9	60
199	A New Weight Vector for a Tighter Levenshtein Bound on Aperiodic Correlation. <i>IEEE Transactions on Information Theory</i> , 2014 , 60, 1356-1366	2.8	5
198	A Tighter Correlation Lower Bound for Quasi-Complementary Sequence Sets. <i>IEEE Transactions on Information Theory</i> , 2014 , 60, 388-396	2.8	28
197	Coding and signal processing for ultra-high density magnetic recording channels 2014 ,		5
196	A Design of Physical-Layer Raptor Codes for Wide SNR Ranges. <i>IEEE Communications Letters</i> , 2014 , 18, 491-494	3.8	20
195	On Even-Period Binary Z-Complementary Pairs with Large ZCZs. <i>IEEE Signal Processing Letters</i> , 2014 , 21, 284-287	3.2	38
194	. <i>IEEE Transactions on Signal Processing</i> , 2014 , 62, 3565-3577	4.8	96
193	An Achievable Region for Double-Unicast Networks With Linear Network Coding. <i>IEEE Transactions on Communications</i> , 2014 , 62, 3621-3630	6.9	3
192	Balancing Weighted Substreams in MIMO Interference Channels. <i>IEEE Wireless Communications Letters</i> , 2014 , 3, 513-516	5.9	0
191	Centralised cooperative spectrum sensing under correlated shadowing. <i>IET Communications</i> , 2014 , 8, 1996-2007	1.3	6
190	Coding and Detection for Channels With Written-In Errors and Inter-Symbol Interference. <i>IEEE Transactions on Magnetics</i> , 2014 , 50, 1-6	2	3
189	Optimal Odd-Length Binary Z-Complementary Pairs. <i>IEEE Transactions on Information Theory</i> , 2014 , 60, 5768-5781	2.8	58
188	. <i>IEEE Transactions on Wireless Communications</i> , 2014 , 13, 4179-4192	9.6	13

187	Construction of Irregular QC-LDPC Codes via Masking with ACE Optimization. <i>IEEE Communications Letters</i> , 2014 , 18, 348-351	3.8	24
186	. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2014 , 52, 6999-7007	8.1	10
185	Performance Analysis of Finite-Length Spatial-Temporal Network Coding. <i>IEEE Communications Letters</i> , 2014 , 18, 1163-1166	3.8	6
184	. <i>IEEE Journal on Selected Areas in Communications</i> , 2014 , 32, 1974-1986	14.2	27
183	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	2
182	On the modulation and signalling design for a transform domain communication system. <i>IET Communications</i> , 2014 , 8, 2909-2916	1.3	2
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16	Slant transform watermarking for textured images		2
15	Orthogonal space-time block code from amicable complex orthogonal design		2
14	Decoding of quasiorthogonal space-time block code with noise whitening		3
13	Full-rate full-diversity STBC with constellation rotation		12
12	Perception based binary image watermarking		5
11	Imperceptible data embedding in sharply-contrasted binary images		2
10	Quasi-orthogonal STBC with minimum decoding complexity: further results		12
9	Joint bit-loading and power-allocation for OFDM systems based on statistical frequency-domain fading model		5
8	Cholesky decomposition model for correlated MRC diversity systems in Nakagami fading channels		1

7	Statistical adaptive modulation for QAM-OFDM systems	7
6	Generating correlated Nakagami fading signals with arbitrary correlation and fading parameters	9
5	Watermarking of streaming video for finger-printing applications	1
4	A transmission line model for high-frequency power line communication channel	34
3	Development of a test bed for high-speed power line communications	4
2	Modified Jakes' model for simulating multiple uncorrelated fading waveforms	3
1	Characterization of power distribution lines for high-speed data transmission	5