

Lie-Liang Yang

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.

256
papers

3,863
citations

29
h-index

49
g-index

286
ext. papers

4,941
ext. citations

6.4
avg, IF

6.21
L-index

#	Paper	IF	Citations
256	Reconfigurable Intelligent Surface Assisted Multi-Carrier Wireless Systems for Doubly Selective High-Mobility Ricean Channels. <i>IEEE Transactions on Vehicular Technology</i> , 2022 , 1-1	6.8	3
255	Target-Barrier Coverage Improvement in an Insecticidal Lamps Internet of UAVs. <i>IEEE Transactions on Vehicular Technology</i> , 2022 , 1-1	6.8	1
254	Resource Allocation for URLLC Service in In-Band Full-Duplex Based V2I Networks. <i>IEEE Transactions on Communications</i> , 2022 , 1-1	6.9	0
253	Unity-Rate Coding Improves the Iterative Detection Convergence of Autoencoder-Aided Communication Systems. <i>IEEE Transactions on Vehicular Technology</i> , 2022 , 1-1	6.8	0
252	A Soft-input Soft-output Polar Decoding Algorithm for Turbo-detection in MIMO-Aided 5G New Radio. <i>IEEE Transactions on Vehicular Technology</i> , 2022 , 1-1	6.8	1
251	Security-Oriented Polar Coding Based on Channel-Gain-Mapped Frozen Bits. <i>IEEE Transactions on Wireless Communications</i> , 2022 , 1-1	9.6	0
250	Turbo Detection Aided Autoencoder for Multi-Carrier Wireless Systems: Integrating Deep Learning into Channel Coded Systems. <i>IEEE Transactions on Cognitive Communications and Networking</i> , 2022 , 1-1	6.6	2
249	Factor Graphs for Support Identification in Compressive Sensing Aided Wireless Sensor Networks. <i>IEEE Sensors Journal</i> , 2021 , 1-1	4	1
248	Opportunistic Bits in Short-Packet Communications: A Finite Blocklength Perspective. <i>IEEE Transactions on Communications</i> , 2021 , 1-1	6.9	0
247	Carrier Phase Ranging for Indoor Positioning with 5G NR Signals. <i>IEEE Internet of Things Journal</i> , 2021 , 1-1	10.7	8
246	Security-Oriented Trellis Code Design for Spatial Modulation. <i>IEEE Transactions on Wireless Communications</i> , 2021 , 20, 1875-1888	9.6	2
245	Priority-Aware Secure Precoding Based on Multi-Objective Symbol Error Ratio Optimization. <i>IEEE Transactions on Communications</i> , 2021 , 69, 1912-1929	6.9	
244	Hybrid Iterative Detection and Decoding of Near-Instantaneously Adaptive Turbo-Coded Sparse Code Multiple Access. <i>IEEE Transactions on Vehicular Technology</i> , 2021 , 70, 4682-4692	6.8	1
243	Soft-Output Successive Cancellation Stack Polar Decoder. <i>IEEE Transactions on Vehicular Technology</i> , 2021 , 70, 6238-6243	6.8	2
242	Secrecy Throughput in Full-Duplex Multiuser MIMO Short-Packet Communications. <i>IEEE Wireless Communications Letters</i> , 2021 , 10, 1339-1343	5.9	3
241	. <i>IEEE Transactions on Wireless Communications</i> , 2021 , 20, 3847-3864	9.6	1
240	Improved Coverage and Connectivity via Weighted Node Deployment in Solar Insecticidal Lamp Internet of Things. <i>IEEE Internet of Things Journal</i> , 2021 , 8, 10170-10186	10.7	7

239	Physical-Layer Secret Key Generation via CQI-Mapped Spatial Modulation in Multi-Hop Wiretap Ad-Hoc Networks. <i>IEEE Transactions on Information Forensics and Security</i> , 2021 , 16, 1322-1334	8	6
238	A Novel Transmission Policy for Intelligent Reflecting Surface Assisted Wireless Powered Sensor Networks. <i>IEEE Journal on Selected Topics in Signal Processing</i> , 2021 , 1-1	7.5	19
237	Resource Allocation for Multi-User Molecular Communication Systems Oriented to The Internet of Medical Things. <i>IEEE Internet of Things Journal</i> , 2021 , 1-1	10.7	3
236	Minimum-Delay Routing for Integrated Aeronautical Ad Hoc Networks Relying on Real Flight Data in the North-Atlantic Region. <i>IEEE Open Journal of Vehicular Technology</i> , 2021 , 2, 310-320	5.3	2
235	Enhanced Molecular Type Permutation Shift Keying for Molecular Communication. <i>IEEE Wireless Communications Letters</i> , 2021 , 1-1	5.9	
234	Deep Learning Aided Packet Routing in Aeronautical Ad-Hoc Networks Relying on Real Flight Data: From Single-Objective to Near-Pareto Multi-Objective Optimization. <i>IEEE Internet of Things Journal</i> , 2021 , 1-1	10.7	6
233	Distortion Reduction in Fractional Delay Filters. <i>IEEE Signal Processing Letters</i> , 2021 , 28, 588-592	3.2	2
232	Millimeter-Wave Based Localization Using a Two-Stage Channel Estimation Relying on Few-Bit ADCs. <i>IEEE Open Journal of the Communications Society</i> , 2021 , 2, 1736-1752	6.7	1
231	Physical Layer Security of Spatially Modulated Sparse-Code Multiple Access in Aeronautical \$Ad\$-\$hoc\$ Networking. <i>IEEE Transactions on Vehicular Technology</i> , 2021 , 70, 2436-2447	6.8	5
230	Permutation-Based Transmissions in Ultra-Reliable and Low-Latency Communications. <i>IEEE Communications Letters</i> , 2021 , 25, 1024-1028	3.8	4
229	Iterative Receiver Design for Polar-Coded SCMA Systems. <i>IEEE Transactions on Communications</i> , 2021 , 69, 4235-4246	6.9	6
228	Space-Time Coded Generalized Spatial Modulation for Sparse Code Division Multiple Access. <i>IEEE Transactions on Wireless Communications</i> , 2021 , 20, 5359-5372	9.6	4
227	Sparse or Dense: A Comparative Study of Code-Domain NOMA Systems. <i>IEEE Transactions on Wireless Communications</i> , 2021 , 20, 4768-4780	9.6	16
226	Resource Allocation in Millimeter-Wave Multicarrier-Division Duplex Systems With Hybrid Beamforming. <i>IEEE Transactions on Vehicular Technology</i> , 2021 , 70, 7921-7935	6.8	3
225	Approximate Message Passing Algorithms for Low Complexity OFDM-IM Detection. <i>IEEE Transactions on Vehicular Technology</i> , 2021 , 70, 9607-9612	6.8	2
224	Permutation-Based TCP and UDP Transmissions to Improve Goodput and Latency in the Internet of Things. <i>IEEE Internet of Things Journal</i> , 2021 , 8, 14276-14286	10.7	2
223	Gaussian Approximate Message Passing Detection of Orthogonal Time Frequency Space Modulation. <i>IEEE Transactions on Vehicular Technology</i> , 2021 , 1-1	6.8	6
222	Molecular Type Permutation Shift Keying in Molecular MIMO Communications for IoBNT. <i>IEEE Internet of Things Journal</i> , 2021 , 1-1	10.7	2

221	Low Complexity Detection for Spatial Modulation Aided Sparse Code Division Multiple Access. <i>IEEE Transactions on Vehicular Technology</i> , 2021 , 70, 12858-12871	6.8	
220	Reduced-Complexity Low-Latency Logarithmic Successive Cancellation Stack Polar Decoding for 5G New Radio and Its Software Implementation. <i>IEEE Transactions on Vehicular Technology</i> , 2020 , 69, 12449-12458 ⁵	6.8	
219	Equalisation and performance of diffusive molecular communication systems with binary molecular-shift keying modulation. <i>IET Communications</i> , 2020 , 14, 549-555	1.3	1
218	Performance of diffusive molecular communication systems with binary molecular shift keying modulation. <i>IET Communications</i> , 2020 , 14, 262-273	1.3	
217	Channel correlation relied grouped spatial modulation for massive MIMO systems. <i>IET Communications</i> , 2020 , 14, 1241-1250	1.3	1
216	Spatial Modulated Multicarrier Sparse Code-Division Multiple Access. <i>IEEE Transactions on Wireless Communications</i> , 2020 , 19, 610-623	9.6	10
215	Concurrent OFDM Demodulation and Turbo Decoding for Ultra Reliable Low Latency Communication. <i>IEEE Transactions on Vehicular Technology</i> , 2020 , 69, 1281-1290	6.8	6
214	Machine Learning for Joint Channel Equalization and Signal Detection 2020 , 213-241		3
213	A Rising Edge-Based Detection Algorithm for MIMO Molecular Communication. <i>IEEE Wireless Communications Letters</i> , 2020 , 9, 523-527	5.9	2
212	The Development, Operation and Performance of the 5G Polar Codes. <i>IEEE Communications Surveys and Tutorials</i> , 2020 , 22, 96-122	37.1	23
211	Joint User-Activity and Data Detection for Grant-Free Spatial-Modulated Multi-Carrier Non-Orthogonal Multiple Access. <i>IEEE Transactions on Vehicular Technology</i> , 2020 , 69, 11673-11684	6.8	3
210	Sparse Space-Time-Frequency-Domain Spreading for Large-Scale Non-Orthogonal Multiple Access. <i>IEEE Transactions on Vehicular Technology</i> , 2020 , 69, 12327-12332	6.8	6
209	Massive Distributed Antenna Systems: Channel Estimation and Signal Detection. <i>IEEE Access</i> , 2020 , 8, 186055-186070	3.5	
208	Deep-Learning-Aided Joint Channel Estimation and Data Detection for Spatial Modulation. <i>IEEE Access</i> , 2020 , 8, 191910-191919	3.5	9
207	Machine Learning Assisted Adaptive Index Modulation for mmWave Communications. <i>IEEE Open Journal of the Communications Society</i> , 2020 , 1, 1425-1441	6.7	5
206	Molecular Type Permutation Shift Keying for Molecular Communication. <i>IEEE Transactions on Molecular, Biological, and Multi-Scale Communications</i> , 2020 , 6, 160-164	2.3	11
205	Generalized Molecular-Shift Keying (GMoSK): Principles and Performance Analysis. <i>IEEE Transactions on Molecular, Biological, and Multi-Scale Communications</i> , 2020 , 6, 168-183	2.3	11
204	Soft List Decoding of Polar Codes. <i>IEEE Transactions on Vehicular Technology</i> , 2020 , 69, 13921-13926	6.8	8

203	Channel Estimation and User Activity Identification in Massive Grant-Free Multiple-Access. <i>IEEE Open Journal of Vehicular Technology</i> , 2020 , 1, 296-316	5.3	2
202	High-Security Sequence Design for Differential Frequency Hopping Systems. <i>IEEE Systems Journal</i> , 2020 , 1-12	4.3	1
201	Self-Interference Cancellation and Channel Estimation in Multicarrier-Division Duplex Systems With Hybrid Beamforming. <i>IEEE Access</i> , 2020 , 8, 160653-160669	3.5	8
200	Polar Codes and Their Quantum-Domain Counterparts. <i>IEEE Communications Surveys and Tutorials</i> , 2020 , 22, 123-155	37.1	17
199	Spatially Modulated Code-Division Multiple-Access for High-Connectivity Multiple Access. <i>IEEE Transactions on Wireless Communications</i> , 2019 , 18, 4031-4046	9.6	4
198	Constant-Envelope Space-Time Shift Keying. <i>IEEE Journal on Selected Topics in Signal Processing</i> , 2019 , 13, 1387-1402	7.5	9
197	Subcarrier Subset Selection-Aided Transmit Precoding Achieves Full-Diversity in Index Modulation. <i>IEEE Transactions on Vehicular Technology</i> , 2019 , 68, 11031-11041	6.8	2
196	Aeronautical \$Ad-Hoc\$ Networking for the Internet-Above-the-Clouds. <i>Proceedings of the IEEE</i> , 2019 , 107, 868-911	14.3	83
195	Spectral- and Energy-Efficiency of Multi-Pair Two-Way Massive MIMO Relay Systems Experiencing Channel Aging. <i>IEEE Access</i> , 2019 , 7, 46014-46032	3.5	7
194	Differential-Detection Aided Large-Scale Generalized Spatial Modulation is Capable of Operating in High-Mobility Millimeter-Wave Channels. <i>IEEE Journal on Selected Topics in Signal Processing</i> , 2019 , 13, 1360-1374	7.5	20
193	CRC-Aided Logarithmic Stack Decoding of Polar Codes for Ultra Reliable Low Latency Communication in 3GPP New Radio. <i>IEEE Access</i> , 2019 , 7, 28559-28573	3.5	13
192	Primitive Polynomials for Iterative Recursive Soft Sequential Acquisition of Concatenated Sequences. <i>IEEE Access</i> , 2019 , 7, 13882-13900	3.5	6
191	Spatial Modulation for Molecular Communication. <i>IEEE Transactions on Nanobioscience</i> , 2019 , 18, 381-395	5.4	27
190	Multicarrier Division Duplex Aided Millimeter Wave Communications. <i>IEEE Access</i> , 2019 , 7, 100719-100732	3.5	6
189	Arbitrarily Parallel Turbo Decoding for Ultra-Reliable Low Latency Communication in 3GPP LTE. <i>IEEE Journal on Selected Areas in Communications</i> , 2019 , 37, 826-838	14.2	13
188	Space Shift Keying for Molecular Communication: Theory and Experiment 2019 ,		7
187	Performance Analysis of High Throughput MAP Decoder for Turbo Codes and Self Concatenated Convolutional Codes. <i>IEEE Access</i> , 2019 , 7, 138079-138093	3.5	3
186	Sixty Years of Coherent Versus Non-Coherent Tradeoffs and the Road From 5G to Wireless Futures. <i>IEEE Access</i> , 2019 , 7, 178246-178299	3.5	29

185	Transmit Antenna Subset Selection in Generalized Spatial Modulation Systems. <i>IEEE Transactions on Vehicular Technology</i> , 2019 , 68, 1979-1983	6.8	7
184	Survey of Turbo, LDPC, and Polar Decoder ASIC Implementations. <i>IEEE Communications Surveys and Tutorials</i> , 2019 , 21, 2309-2333	37.1	45
183	. <i>IEEE Transactions on Communications</i> , 2019 , 67, 1099-1116	6.9	19
182	. <i>IEEE Journal on Selected Areas in Communications</i> , 2019 , 37, 48-60	14.2	4
181	Linear Precoded Index Modulation. <i>IEEE Transactions on Communications</i> , 2019 , 67, 350-363	6.9	5
180	Joint TransmitterReceiver Spatial Modulation. <i>IEEE Access</i> , 2018 , 6, 6411-6423	3.5	9
179	Spatial Modulation Aided Sparse Code-Division Multiple Access. <i>IEEE Transactions on Wireless Communications</i> , 2018 , 17, 1474-1487	9.6	34
178	Adaptive Coding and Modulation for Large-Scale Antenna Array-Based Aeronautical Communications in the Presence of Co-Channel Interference. <i>IEEE Transactions on Wireless Communications</i> , 2018 , 17, 1343-1357	9.6	42
177	Transmitter-Precoding-Aided Spatial Modulation Achieving Both Transmit and Receive Diversity. <i>IEEE Transactions on Vehicular Technology</i> , 2018 , 67, 1375-1388	6.8	18
176	Non-Orthogonal Multiple Access: A Unified Perspective. <i>IEEE Wireless Communications</i> , 2018 , 25, 10-16	13.4	47
175	Mapping-Variied Spatial Modulation for Physical Layer Security: Transmission Strategy and Secrecy Rate. <i>IEEE Journal on Selected Areas in Communications</i> , 2018 , 36, 877-889	14.2	27
174	Secrecy Analysis of Generalized Space-Shift Keying Aided Visible Light Communication. <i>IEEE Access</i> , 2018 , 6, 18310-18324	3.5	21
173	Modularity-Based Dynamic Clustering for Energy Efficient UAVs-Aided Communications. <i>IEEE Wireless Communications Letters</i> , 2018 , 7, 728-731	5.9	8
172	Unary-Coded Dimming Control Improves ON-OFF Keying Visible Light Communication. <i>IEEE Transactions on Communications</i> , 2018 , 66, 255-264	6.9	14
171	Regularized Zero-Forcing Precoding-Aided Adaptive Coding and Modulation for Large-Scale Antenna Array-Based Air-to-Air Communications. <i>IEEE Journal on Selected Areas in Communications</i> , 2018 , 36, 2087-2103	14.2	21
170	EXIT Chart Aided Convergence Analysis of Recursive Soft π -Sequence Initial Acquisition in Nakagami-m Fading Channels. <i>IEEE Transactions on Vehicular Technology</i> , 2018 , 67, 4655-4660	6.8	5
169	Conceiving Extrinsic Information Transfer Charts for Stochastic Low-Density Parity-Check Decoders. <i>IEEE Access</i> , 2018 , 6, 55741-55753	3.5	
168	Dynamic DS-CDMA Aided by Successive Interference Cancellation for Massive Grant-Free Multiple-Access 2018 ,		1

167	Intrusion Detection Based on \mathbb{R}^k -Coverage in Mobile Sensor Networks With Empowered Intruders. <i>IEEE Transactions on Vehicular Technology</i> , 2018 , 67, 12109-12123	6.8	15
166	Performance Analysis of Secret Precoding-Aided Spatial Modulation With Finite-Alphabet Signaling. <i>IEEE Access</i> , 2018 , 6, 29366-29381	3.5	13
165	Optical Jamming Enhances the Secrecy Performance of the Generalized Space-Shift-Keying-Aided Visible-Light Downlink. <i>IEEE Transactions on Communications</i> , 2018 , 66, 4087-4102	6.9	31
164	Effective Capacity of a Novel Spectrum-Band Selection Scheme in Spectrum-Sharing Networks. <i>IEEE Transactions on Vehicular Technology</i> , 2017 , 66, 2838-2843	6.8	2
163	. <i>IEEE Access</i> , 2017 , 5, 295-311	3.5	9
162	Optimal Power Allocation in Spatial Modulation Systems. <i>IEEE Transactions on Wireless Communications</i> , 2017 , 16, 1646-1655	9.6	10
161	Guest Editorial Special Issue on 5G Wireless Systems With Massive MIMO. <i>IEEE Systems Journal</i> , 2017 , 11, 4-6	4.3	2
160	Delay and Throughput Analysis of Cognitive Go-Back-N HARQ in the Face of Imperfect Sensing. <i>IEEE Access</i> , 2017 , 5, 7454-7473	3.5	11
159	Energy-Efficient Cross-Layer Design of Wireless Mesh Networks for Content Sharing in Online Social Networks. <i>IEEE Transactions on Vehicular Technology</i> , 2017 , 66, 8495-8509	6.8	22
158	Blind Analog Interference Cancellation. <i>IEEE Communications Letters</i> , 2017 , 21, 1867-1870	3.8	11
157	Discrete Multi-Tone Digital Subscriber Loop Performance in the Face of Impulsive Noise. <i>IEEE Access</i> , 2017 , 5, 10478-10495	3.5	13
156	Carrier Frequency Offset Estimation in Uplink OFDMA Systems: An Approach Relying on Sparse Recovery. <i>IEEE Transactions on Vehicular Technology</i> , 2017 , 66, 9592-9597	6.8	18
155	Joint Wireless Positioning and Emitter Identification in DVB-T Single Frequency Networks. <i>IEEE Transactions on Broadcasting</i> , 2017 , 63, 577-582	4.7	11
154	Flexible iterative receiver architecture for wireless sensor networks: a joint source and channel coding design example. <i>IET Wireless Sensor Systems</i> , 2017 , 7, 27-34	1.6	2
153	A High-Throughput FPGA Architecture for Joint Source and Channel Decoding. <i>IEEE Access</i> , 2017 , 5, 2921-2944	3.5	5
152	A Flexible FPGA-Based Quasi-Cyclic LDPC Decoder. <i>IEEE Access</i> , 2017 , 5, 20965-20984	3.5	9
151	Spectral-efficiency comparison of different multiple-access schemes under a generalized framework 2017 ,		2
150	Taking Drones to the Next Level: Cooperative Distributed Unmanned-Aerial-Vehicular Networks for Small and Mini Drones. <i>IEEE Vehicular Technology Magazine</i> , 2017 , 12, 73-82	9.9	248

149	Secrecy sum rate maximization in NOMA systems with wireless information and power transfer 2017 ,		14
148	Secure Spatial Modulation With a Full-Duplex Receiver. <i>IEEE Wireless Communications Letters</i> , 2017 , 6, 838-841	5.9	33
147	LR based pre-coding aided spatial modulation with sub-optimal detection for V2X communications 2017 ,		2
146	Error Performance Analysis of Diffusive Molecular Communication Systems With On-Off Keying Modulation. <i>IEEE Transactions on Molecular, Biological, and Multi-Scale Communications</i> , 2017 , 3, 224-238 ^{2,3}		24
145	Transmitter Precoding-Aided Spatial Modulation for Secrecy Communications. <i>IEEE Transactions on Vehicular Technology</i> , 2016 , 65, 467-471	6.8	52
144	Performance of Cognitive Hybrid Automatic Repeat reQuest: Go-Back-N 2016 ,		6
143	Performance Analysis of Non-Linear Generalized Pre-Coding Aided Spatial Modulation. <i>IEEE Transactions on Wireless Communications</i> , 2016 , 15, 6731-6741	9.6	17
142	Fully-Parallel Quantum Turbo Decoder. <i>IEEE Access</i> , 2016 , 4, 6073-6085	3.5	3
141	Compressed Sensing Improves the Performance of Subcarrier Index-Modulation-Assisted OFDM. <i>IEEE Access</i> , 2016 , 4, 7859-7873	3.5	41
140	A Scalable Turbo Decoding Algorithm for High-Throughput Network-on-Chip Implementation. <i>IEEE Access</i> , 2016 , 4, 9880-9894	3.5	4
139	Diffusion-based molecular communications: Inter-symbol interference cancellation and system performance 2016 ,		7
138	Spatial Modulation Exploited in Non-Reciprocal Two-Way Relay Channels: Efficient Protocols and Capacity Analysis. <i>IEEE Transactions on Communications</i> , 2016 , 64, 2821-2834	6.9	11
137	Compressed Impairment Sensing-Assisted and Interleaved-Double-FFT-Aided Modulation Improves Broadband Power Line Communications Subjected to Asynchronous Impulsive Noise. <i>IEEE Access</i> , 2016 , 4, 81-96	3.5	13
136	Bidirectional Worst Subchannel Avoiding Versus Best Subchannel Seeking Subcarrier-Allocation in Downlink OFDMA Systems. <i>IEEE Transactions on Vehicular Technology</i> , 2016 , 65, 7160-7172	6.8	5
135	Stochastic Computing Improves the Timing-Error Tolerance and Latency of Turbo Decoders: Design Guidelines and Tradeoffs. <i>IEEE Access</i> , 2016 , 4, 1008-1038	3.5	11
134	Delay Analysis of Social Group Multicast-Aided Content Dissemination in Cellular System. <i>IEEE Transactions on Communications</i> , 2016 , 64, 1660-1673	6.9	15
133	Performance of Cognitive Stop-and-Wait Hybrid Automatic Repeat Request in the Face of Imperfect Sensing. <i>IEEE Access</i> , 2016 , 4, 5489-5508	3.5	22
132	Performance of Cognitive Selective-Repeat Hybrid Automatic Repeat Request. <i>IEEE Access</i> , 2016 , 4, 9828-9846 ⁹		

131	A flexible software defined radio-based UHF RFID reader based on the USRP and LabView 2016 ,		1
130	Innovation in the undergraduate microelectronics programmes at the University of Southampton 2016 ,		1
129	Throughput and Delay Analysis of Cognitive Go-Back-N Hybrid Automatic Repeat reQuest Using Discrete-Time Markov Modelling. <i>IEEE Access</i> , 2016 , 4, 9659-9680	3.5	8
128	Optimal Spatial-Domain Design for Spatial Modulation Capacity Maximization. <i>IEEE Communications Letters</i> , 2016 , 20, 1092-1095	3.8	22
127	Novel Intercell Interference Mitigation Algorithms for Multicell OFDMA Systems With Limited Base Station Cooperation. <i>IEEE Transactions on Vehicular Technology</i> , 2016 , 1-1	6.8	1
126	Learning-Aided Unary Error Correction Codes for Non-Stationary and Unknown Sources. <i>IEEE Access</i> , 2016 , 4, 2408-2428	3.5	3
125	Improving the Tolerance of Stochastic LDPC Decoders to Overclocking-Induced Timing Errors: A Tutorial and a Design Example. <i>IEEE Access</i> , 2016 , 4, 1607-1629	3.5	5
124	Performance analysis of orthogonal frequency division multiplexing systems in dispersive indoor power line channels inflicting asynchronous impulsive noise. <i>IET Communications</i> , 2016 , 10, 453-461	1.3	8
123	Buffer-aided relaying for the multi-user uplink: outage analysis and power allocation. <i>IET Communications</i> , 2016 , 10, 936-944	1.3	4
122	Exponential Golomb and Rice Error Correction Codes for Generalized Near-Capacity Joint Source and Channel Coding. <i>IEEE Access</i> , 2016 , 4, 7154-7175	3.5	2
121	Implementation of a Fully-Parallel Turbo Decoder on a General-Purpose Graphics Processing Unit. <i>IEEE Access</i> , 2016 , 4, 5624-5639	3.5	7
120	Bit-by-Bit Iterative Decoding Expedites the Convergence of Repeat Accumulate Decoders. <i>IEEE Transactions on Communications</i> , 2015 , 63, 1952-1962	6.9	
119	Cross-Layer Aided Energy-Efficient Routing Design for Ad Hoc Networks. <i>IEEE Communications Surveys and Tutorials</i> , 2015 , 17, 1214-1238	37.1	23
118	Bridging the Social and Wireless Networking Divide: Information Dissemination in Integrated Cellular and Opportunistic Networks. <i>IEEE Access</i> , 2015 , 3, 1809-1848	3.5	26
117	Angle Offset-Assisted Positioning of Railway Vehicles in Tunnel Environments 2015 ,		2
116	Secret Precoding-Aided Spatial Modulation. <i>IEEE Communications Letters</i> , 2015 , 19, 1544-1547	3.8	57
115	A Fully-Parallel Turbo Decoding Algorithm. <i>IEEE Transactions on Communications</i> , 2015 , 63, 2762-2775	6.9	35
114	Reduced-Complexity Soft-Decision Multiple-Symbol Differential Sphere Detection. <i>IEEE Transactions on Communications</i> , 2015 , 63, 3275-3289	6.9	8

113	Performance of Cognitive Hybrid Automatic Repeat reQuest: Stop-and-Wait 2015 ,		8
112	Secure Wireless Transmission Based on Precoding-Aided Spatial Modulation 2015 ,		13
111	Fully Parallel Turbo Equalization for Wireless Communications. <i>IEEE Access</i> , 2015 , 3, 2652-2664	3.5	3
110	Extrinsic Information Transfer Charts for Characterizing the Iterative Decoding Convergence of Fully Parallel Turbo Decoders. <i>IEEE Access</i> , 2015 , 3, 2100-2110	3.5	26
109	Irregular Trellis for the Near-Capacity Unary Error Correction Coding of Symbol Values From an Infinite Set. <i>IEEE Transactions on Communications</i> , 2015 , 63, 5073-5088	6.9	8
108	Energy Pattern Aided Simultaneous Wireless Information and Power Transfer. <i>IEEE Journal on Selected Areas in Communications</i> , 2015 , 33, 1492-1504	14.2	31
107	Error Probability and Capacity Analysis of Generalised Pre-Coding Aided Spatial Modulation. <i>IEEE Transactions on Wireless Communications</i> , 2015 , 14, 364-375	9.6	72
106	Near-Capacity Joint Source and Channel Coding of Symbol Values from an Infinite Source Set Using Elias Gamma Error Correction Codes. <i>IEEE Transactions on Communications</i> , 2014 , 62, 280-292	6.9	8
105	Novel Subcarrier-Allocation Schemes for Downlink MC DS-CDMA Systems. <i>IEEE Transactions on Wireless Communications</i> , 2014 , 13, 5716-5728	9.6	12
104	Performance comparison of cooperative relay links with different relay processing strategies: Nakagami/Gamma approximation approaches. <i>Eurasip Journal on Wireless Communications and Networking</i> , 2014 , 2014,	3.2	9
103	Security-oriented cooperation scheme in wireless cooperative networks. <i>IET Communications</i> , 2014 , 8, 1265-1273	1.3	6
102	Space-time QAM wireless MISO systems employing differentially coded in-/out-FECC SCQICs over slow-fading Jakes scattering mobile radio links. <i>Journal of Engineering</i> , 2014 , 2014, 391-398	0.7	
101	Throughput and delay analysis of wireless multicast in distributed mobile social networks based on geographic social relationships 2014 ,		5
100	Cooperative multicast aided picocellular hybrid information dissemination in mobile social networks: Delay/energy evaluation and relay selection 2014 ,		5
99	From Nominal to True A Posteriori Probabilities: An Exact Bayesian Theorem Based Probabilistic Data Association Approach for Iterative MIMO Detection and Decoding. <i>IEEE Transactions on Communications</i> , 2013 , 61, 2782-2793	6.9	18
98	On the Asymptotic Spectral Efficiency of Uplink MIMO-CDMA Systems Over Rayleigh Fading Channels With Arbitrary Spatial Correlation. <i>IEEE Transactions on Vehicular Technology</i> , 2013 , 62, 679-691	6.8	13
97	A Single-User Noncoherent Combining Scheme Achieving Multiuser Interference Mitigation for FFH/MFSK Systems. <i>IEEE Transactions on Wireless Communications</i> , 2013 , 12, 4306-4314	9.6	6
96	A Unary Error Correction Code for the Near-Capacity Joint Source and Channel Coding of Symbol Values from an Infinite Set. <i>IEEE Transactions on Communications</i> , 2013 , 61, 1977-1987	6.9	13

95	Generalised Pre-Coding Aided Spatial Modulation. <i>IEEE Transactions on Wireless Communications</i> , 2013 , 12, 5434-5443	9.6	132
94	Delay analysis of network coding nodes and Butterfly network employing stop-and-wait automatic repeat request. <i>IET Communications</i> , 2013 , 7, 490-499	1.3	2
93	Energy-Efficient Dynamic Resource Allocation for Opportunistic-Relaying-Assisted SC-FDMA Using Turbo-Equalizer-Aided Soft Decode-and-Forward. <i>IEEE Transactions on Vehicular Technology</i> , 2013 , 62, 235-246	6.8	15
92	A Low-Complexity Turbo Decoder Architecture for Energy-Efficient Wireless Sensor Networks. <i>IEEE Transactions on Very Large Scale Integration (VLSI) Systems</i> , 2013 , 21, 14-22	2.6	34
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