

Richard Demo Souza

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229
papers

2,098
citations

20
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36
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280
ext. papers

2,733
ext. citations

4.1
avg. IF

5.48
L-index

#	Paper	IF	Citations
229	A Survey of Machine Learning Techniques Applied to Self-Organizing Cellular Networks. <i>IEEE Communications Surveys and Tutorials</i> , 2017 , 19, 2392-2431	37.1	237
228	Performance of Transmit Antenna Selection Physical Layer Security Schemes. <i>IEEE Signal Processing Letters</i> , 2012 , 19, 372-375	3.2	169
227	Performance of Block-Markov Full Duplex Relaying with Self Interference in Nakagami-m Fading. <i>IEEE Wireless Communications Letters</i> , 2013 , 2, 311-314	5.9	71
226	Energy Efficiency Analysis of Some Cooperative and Non-Cooperative Transmission Schemes in Wireless Sensor Networks. <i>IEEE Transactions on Communications</i> , 2011 , 59, 2671-2677	6.9	66
225	Analysis and Performance Optimization of LoRa Networks With Time and Antenna Diversity. <i>IEEE Access</i> , 2018 , 6, 32820-32829	3.5	52
224	Distributed Drone Base Station Positioning for Emergency Cellular Networks Using Reinforcement Learning. <i>Cognitive Computation</i> , 2018 , 10, 790-804	4.4	48
223	Ultrareliable Short-Packet Communications With Wireless Energy Transfer. <i>IEEE Signal Processing Letters</i> , 2017 , 24, 387-391	3.2	43
222	Ultra-Reliable Cooperative Short-Packet Communications With Wireless Energy Transfer. <i>IEEE Sensors Journal</i> , 2018 , 18, 2161-2177	4	36
221	. <i>IEEE Transactions on Signal Processing</i> , 2014 , 62, 5009-5019	4.8	32
220	Error control coding in wireless sensor networks. <i>Telecommunication Systems</i> , 2010 , 44, 61-68	2.3	30
219	Massive Wireless Energy Transfer: Enabling Sustainable IoT Toward 6G Era. <i>IEEE Internet of Things Journal</i> , 2021 , 8, 8816-8835	10.7	30
218	Rate and Energy Efficient Power Control in a Cognitive Radio Ad Hoc Network. <i>IEEE Signal Processing Letters</i> , 2013 , 20, 451-454	3.2	29
217	Outage Probability and Energy Efficiency of Cooperative MIMO with Antenna Selection. <i>IEEE Transactions on Wireless Communications</i> , 2013 , 12, 5896-5907	9.6	27
216	Short Channel Hopping Sequence Approach to Rendezvous for Cognitive Networks. <i>IEEE Communications Letters</i> , 2014 , 18, 289-292	3.8	25
215	Wireless Powered Communications With Finite Battery and Finite Blocklength. <i>IEEE Transactions on Communications</i> , 2018 , 66, 1803-1816	6.9	24
214	Secrecy Analysis of Transmit Antenna Selection Cooperative Schemes With No Channel State Information at the Transmitter. <i>IEEE Transactions on Communications</i> , 2015 , 63, 1330-1342	6.9	23
213	Performance analysis of full duplex and selective and incremental half duplex relaying schemes 2012 ,		23

212	Optimizing the Code Rate of Energy-Constrained Wireless Communications With HARQ. <i>IEEE Transactions on Wireless Communications</i> , 2016 , 15, 191-205	9.6	22
211	Optimizing the Number of Hops and Retransmissions for Energy Efficient Multi-Hop Underwater Acoustic Communications. <i>IEEE Sensors Journal</i> , 2016 , 16, 3927-3938	4	22
210	On the Average Spectral Efficiency of Interference-Limited Full-Duplex Networks 2014 ,		22
209	An efficient distributed algorithm for constructing spanning trees in wireless sensor networks. <i>Sensors</i> , 2015 , 15, 1518-36	3.8	20
208	Statistical Analysis of Multiple Antenna Strategies for Wireless Energy Transfer. <i>IEEE Transactions on Communications</i> , 2019 , 67, 7245-7262	6.9	20
207	Distributed Fuzzy Logic-Based Relay Selection Algorithm for Cooperative Wireless Sensor Networks. <i>IEEE Sensors Journal</i> , 2013 , 13, 4375-4386	4	20
206	Spatial Diversity Using Analog Joint Source Channel Coding in Wireless Channels. <i>IEEE Transactions on Communications</i> , 2013 , 61, 301-311	6.9	19
205	Network Slicing for URLLC and eMBB With Max-Matching Diversity Channel Allocation. <i>IEEE Communications Letters</i> , 2020 , 24, 658-661	3.8	18
204	Design of LDPC Codes Based on Progressive Edge Growth Techniques for Block Fading Channels. <i>IEEE Communications Letters</i> , 2011 , 15, 1221-1223	3.8	17
203	Energy Efficient Relay Placement in Dual Hop 802.15.4 Networks. <i>Wireless Personal Communications</i> , 2014 , 75, 1947-1967	1.9	16
202	Lightweight Data Compression in Wireless Sensor Networks Using Huffman Coding. <i>International Journal of Distributed Sensor Networks</i> , 2014 , 10, 672921	1.7	16
201	Energy Efficiency of Transmit Diversity Systems Under a Realistic Power Consumption Model. <i>IEEE Communications Letters</i> , 2013 , 17, 119-122	3.8	16
200	. <i>IEEE Signal Processing Letters</i> , 2015 , 22, 867-870	3.2	16
199	Enhanced physical layer security through transmit antenna selection 2011 ,		16
198	Turbo coding of strongly nonuniform memoryless sources with unequal energy allocation and PAM signaling. <i>IEEE Transactions on Signal Processing</i> , 2006 , 54, 1942-1946	4.8	16
197	A NOMA-Based Q-Learning Random Access Method for Machine Type Communications. <i>IEEE Wireless Communications Letters</i> , 2020 , 9, 1720-1724	5.9	15
196	Maximum Secrecy Throughput of MIMOME FSO Communications With Outage Constraints. <i>IEEE Transactions on Wireless Communications</i> , 2018 , 17, 3487-3497	9.6	15
195	On the performance of two-way half-duplex and one-way full-duplex relaying 2013 ,		15

194	Convolutional codes under a minimal trellis complexity measure. <i>IEEE Transactions on Communications</i> , 2009 , 57, 1-5	6.9	15
193	Energy Efficient Power Allocation Schemes for a Two-User Network-Coded Cooperative Cognitive Radio Network. <i>IEEE Transactions on Signal Processing</i> , 2016 , 64, 1654-1667	4.8	14
192	Information-Theoretic Location Verification System With Directional Antennas for Vehicular Networks. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2016 , 17, 93-103	6.1	14
191	On the performance of cognitive full-duplex relaying under spectrum sharing constraints. <i>Eurasip Journal on Wireless Communications and Networking</i> , 2015 , 2015,	3.2	14
190	Energy Efficiency-Spectral Efficiency Trade-Off of Transmit Antenna Selection. <i>IEEE Transactions on Communications</i> , 2014 , 62, 4293-4303	6.9	14
189	. <i>IEEE Sensors Journal</i> , 2019 , 19, 3521-3531	4	13
188	Brief survey on full-duplex relaying and its applications on 5G 2015 ,		13
187	Hybrid ARQ scheme based on recursive convolutional codes and turbo decoding. <i>IEEE Transactions on Communications</i> , 2009 , 57, 315-318	6.9	13
186	Comparing the energy efficiency of single-hop, multi-hop and incremental decode-and-forward in multi-relay wireless sensor networks 2011 ,		13
185	. <i>IEEE Transactions on Communications</i> , 2018 , 66, 1940-1954	6.9	12
184	Ultra reliable short message relaying with wireless power transfer 2017 ,		12
183	Outage, throughput and energy efficiency analysis of some half and full duplex cooperative relaying schemes. <i>Transactions on Emerging Telecommunications Technologies</i> , 2014 , 25, 1114-1125	1.9	12
182	. <i>IEEE Internet of Things Journal</i> , 2021 , 8, 278-296	10.7	12
181	Beamforming Optimization for Intelligent Reflecting Surfaces without CSI. <i>IEEE Wireless Communications Letters</i> , 2020 , 9, 1476-1480	5.9	11
180	Achieving Fair Random Access Performance in Massive MIMO Crowded Machine-Type Networks. <i>IEEE Wireless Communications Letters</i> , 2020 , 9, 503-507	5.9	11
179	Energy-Efficient Distributed Power Allocation With Multiple Relays and Antenna Selection. <i>IEEE Transactions on Communications</i> , 2015 , 63, 4797-4808	6.9	11
178	Optimizing the code rate for achieving energy-efficient wireless communications 2014 ,		11
177	A Machine Learning Approach for Detecting Spoofing Attacks in Wireless Sensor Networks 2018 ,		10

176	. <i>IEEE Transactions on Vehicular Technology</i> , 2019 , 68, 9908-9919	6.8	10
175	Genetic Algorithm Aided Transmit Power Control in Cognitive Radio Networks 2014 ,		10
174	Generalized punctured convolutional codes. <i>IEEE Communications Letters</i> , 2005 , 9, 1070-1072	3.8	10
173	Optimum LoRaWAN Configuration Under Wi-SUN Interference. <i>IEEE Access</i> , 2019 , 7, 170936-170948	3.5	10
172	On the Secure Energy Efficiency of TAS/MRC With Relaying and Jamming Strategies. <i>IEEE Signal Processing Letters</i> , 2017 , 24, 1228-1232	3.2	9
171	Increased Network Lifetime and Load Balancing Based on Network Interface Average Power Metric for RPL. <i>IEEE Access</i> , 2020 , 8, 48686-48696	3.5	9
170	Energy Efficient Beacon Based Synchronization for Alarm Driven Wireless Sensor Networks. <i>IEEE Signal Processing Letters</i> , 2016 , 23, 336-340	3.2	9
169	On the performance of full-duplex relaying under phy security constraints 2014 ,		9
168	Systematic construction of common channel hopping rendezvous strategies in cognitive radio networks. <i>Eurasip Journal on Wireless Communications and Networking</i> , 2015 , 2015,	3.2	9
167	On the performance of hybrid ARQ schemes for uplink information transmission with wireless power transfer in the downlink 2014 ,		9
166	Throughput performance of parallel and repetition coding in incremental decode-and-forward relaying. <i>Wireless Networks</i> , 2012 , 18, 881-892	2.5	9
165	Energy Efficiency of Network Coded Cooperative Communications in Nakagami- m Fading. <i>IEEE Signal Processing Letters</i> , 2013 , 20, 960-963	3.2	9
164	Using Cognitive Radio for Improving the Capacity of Wireless Mesh Networks 2008 ,		9
163	Maximum Secrecy Throughput of Transmit Antenna Selection with Eavesdropper Outage Constraints. <i>IEEE Signal Processing Letters</i> , 2015 , 22, 2069-2072	3.2	8
162	Full-Duplex Relaying Systems Subject to Co-Channel Interference and Noise in Nakagami- m Fading 2015 ,		8
161	Hybrid Coded Replication in LoRa Networks. <i>IEEE Transactions on Industrial Informatics</i> , 2020 , 16, 5577-5585	3.5	8
160	Power Control and Relay Selection in Cognitive Radio Ad Hoc Networks Using Game Theory. <i>IEEE Systems Journal</i> , 2018 , 12, 2854-2865	4.3	8
159	Dynamic control of beacon transmission rate and power with position error constraint in cooperative vehicular networks 2018 ,		8

158	Selective Decode-and-Forward Using Fixed Relays and Packet Accumulation. <i>IEEE Communications Letters</i> , 2011 , 15, 707-709	3.8	8
157	Code rate optimization for energy efficient delay constrained underwater acoustic communications 2015 ,		7
156	K-Means Spreading Factor Allocation for Large-Scale LoRa Networks. <i>Sensors</i> , 2019 , 19,	3.8	7
155	On the Secrecy of Interference-Limited Networks under Composite Fading Channels. <i>IEEE Signal Processing Letters</i> , 2015 , 22, 1306-1310	3.2	7
154	LoRa Performance Analysis with Superposed Signal Decoding. <i>IEEE Wireless Communications Letters</i> , 2020 , 9, 1865-1868	5.9	7
153	Generalized Network-Coded Cooperation in OFDMA Communications. <i>IEEE Access</i> , 2018 , 6, 6550-6559	3.5	6
152	. <i>IEEE Access</i> , 2016 , 4, 7275-7288	3.5	6
151	Drone Base Station Positioning and Power Allocation using Reinforcement Learning 2019 ,		6
150	Cooperative overlay secondary transmissions exploiting primary retransmissions. <i>Eurasip Journal on Wireless Communications and Networking</i> , 2013 , 2013,	3.2	6
149	Energy-efficient cooperative image transmission over wireless sensor networks 2012 ,		6
148	Analog joint source-channel coding in Rayleigh fading channels 2011 ,		6
147	Unequal error protection for LZSS compressed data using Reed-Solomon codes. <i>IET Communications</i> , 2007 , 1, 612	1.3	6
146	Source-controlled turbo coding of nonuniform memoryless sources based on unequal energy allocation		6
145	Machine Learning in Energy Efficiency Optimization 2020 , 105-117		6
144	Energy consumption analysis of underwater acoustic networks using fountain codes 2016 ,		6
143	. <i>IEEE Transactions on Green Communications and Networking</i> , 2019 , 3, 1-10	4	6
142	Coded Redundant Message Transmission Schemes for Low-Power Wide Area IoT Applications. <i>IEEE Wireless Communications Letters</i> , 2019 , 8, 584-587	5.9	6
141	Backhaul Aware User-Specific Cell Association Using Q-Learning. <i>IEEE Transactions on Wireless Communications</i> , 2019 , 18, 3528-3541	9.6	5

140	. <i>IEEE Access</i> , 2020 , 8, 15484-15501	3.5	5
139	Spectrally Efficient Incremental Relaying for Coverage Expansion in Cellular Networks with Heterogeneous Path Loss Conditions. <i>Wireless Personal Communications</i> , 2012 , 64, 811-829	1.9	5
138	. <i>IEEE Access</i> , 2021 , 9, 163178-163187	3.5	5
137	Performance Analysis of Full-Duplex Cooperative Communication in Vehicular Ad-Hoc Networks. <i>IFAC-PapersOnLine</i> , 2016 , 49, 227-232	0.7	5
136	On the upper bound for the time to rendezvous in multi-hop cognitive radio networks 2016 ,		5
135	DRX-based energy-efficient supervised machine learning algorithm for mobile communication networks. <i>IET Communications</i> , 2021 , 15, 1000-1013	1.3	5
134	Exploiting Time Diversity of LoRa Networks Through Optimum Message Replication 2018 ,		5
133	Code rate, frequency and SNR optimization for energy efficient underwater acoustic communications 2015 ,		4
132	UAV Path Optimization for Precision Agriculture Wireless Sensor Networks. <i>Sensors</i> , 2020 , 20,	3.8	4
131	On the dynamics of the RPL protocol in AMI networks under jamming attacks 2016 ,		4
130	Two-User Network-Coded Cooperation With NOMA and Advanced Successive Interference Cancellation. <i>IEEE Communications Letters</i> , 2019 , 23, 2407-2411	3.8	4
129	Simple role-based rendezvous algorithm for cognitive ad hoc radio networks. <i>Electronics Letters</i> , 2014 , 50, 182-184	1.1	4
128	Energy-Efficient Channel Coding Strategy for Underwater Acoustic Networks. <i>Sensors</i> , 2017 , 17,	3.8	4
127	Secure energy efficiency of selective decode and forward with distributed power allocation 2015 ,		4
126	Using mobility for increasing the energy efficiency of multihop communications 2015 ,		4
125	Energy efficiency contours for amplify-and-forward and decode-and-forward cooperative protocols 2012 ,		4
124	Impact of Rate Control on the Performance of a Cognitive Radio Ad-Hoc Network. <i>IEEE Communications Letters</i> , 2012 , 16, 1424-1427	3.8	4
123	A multi-agent approach to optimal channel assignment in WLANs 2012 ,		4

122	Enhanced performance of heterogeneous networks through full-duplex relaying. <i>Eurasip Journal on Wireless Communications and Networking</i> , 2012 , 2012,	3.2	4
121	Energy efficiency and throughput performance of power and rate allocation on incremental decode-and-forward relaying. <i>Wireless Networks</i> , 2012 , 18, 495-505	2.5	4
120	Hardware implementation of a Viterbi decoder using the minimal trellis 2010 ,		4
119	LDPC codes based on Progressive Edge Growth techniques for block fading channels 2011 ,		4
118	Minimal trellis for systematic recursive convolutional encoders 2011 ,		4
117	On trellis modules for convolutional codes		4
116	QA-kNN: Indoor Localization Based on Quartile Analysis and the kNN Classifier for Wireless Networks. <i>Sensors</i> , 2020 , 20,	3.8	4
115	Finite Blocklength Communications in Smart Grids for Dynamic Spectrum Access and Locally Licensed Scenarios. <i>IEEE Sensors Journal</i> , 2018 , 18, 5610-5621	4	4
114	On the Optimization of Distributed Compression in Multirelay Cooperative Networks. <i>IEEE Transactions on Vehicular Technology</i> , 2016 , 65, 2114-2128	6.8	3
113	Energy-efficient outage-constrained power allocation based on statistical channel knowledge for dual-hop cognitive relay networks. <i>International Journal of Communication Systems</i> , 2017 , 30, e2965	1.7	3
112	Outage performance of a network coding aided multi-user cooperative secondary network. <i>Transactions on Emerging Telecommunications Technologies</i> , 2017 , 28, e2943	1.9	3
111	ICENET: An Information Centric Protocol for Big Data Wireless Sensor Networks. <i>Sensors</i> , 2019 , 19,	3.8	3
110	Beyond 5G Low-Power Wide-Area Networks: A LoRaWAN Suitability Study 2020 ,		3
109	Energy Efficient Cooperation Based on Relay Switching ON/OFF Probability for WSNs. <i>IEEE Systems Journal</i> , 2018 , 12, 3369-3380	4.3	3
108	An iterative heuristic approach for channel and power allocation in wireless networks. <i>Annales Des Telecommunications/Annals of Telecommunications</i> , 2018 , 73, 293-303	2	3
107	Secure Throughput Optimization of Selective Decode-and-Forward with Finite Blocklength 2018 ,		3
106	A simple iterative positioning algorithm for client node localization in WLANs. <i>Eurasip Journal on Wireless Communications and Networking</i> , 2013 , 2013,	3.2	3
105	Power-rate control with directional transmission and reception in a cognitive radio network 2014 ,		3

104	On the performance of network-coded cooperative communications with wireless energy transfer under a realistic power consumption model 2014 ,		3
103	Generalised Quasi-Cyclic LDPC codes based on Progressive Edge Growth Techniques for block fading channels 2012 ,		3
102	Reduced complexity decoding of convolutional codes based on the M-algorithm and the minimal trellis. <i>Annales Des Telecommunications/Annals of Telecommunications</i> , 2012 , 67, 537-545	2	3
101	Channel allocation algorithms for WLANs using distributed optimization. <i>AEU - International Journal of Electronics and Communications</i> , 2012 , 66, 480-490	2.8	3
100	. <i>IEEE Transactions on Communications</i> , 2013 , 61, 3600-3610	6.9	3
99	On the energy efficiency of some cooperative and non-cooperative transmission schemes in WSNs 2011 ,		3
98	Multiple Concurrent Transmissions in Wireless Mesh Networks Employing Superposition and Dirty Paper Coding. <i>IEEE Transactions on Vehicular Technology</i> , 2009 , 58, 5115-5123	6.8	3
97	Overlay Cognitive Radio with Multiple Secondaries and its Application to Wireless Mesh Networks 2009 ,		3
96	Performance of Type-I and Type-II Hybrid ARQ in Decode and Forward Relaying 2011 ,		3
95	Overlay Cognitive Radio in Wireless Mesh Networks. <i>Wireless Personal Communications</i> , 2010 , 55, 237-251.	6.9	3
94	Semiblind EM-Based Iterative Receivers for Space-Time-Coded Modulation and Quasi-Static Frequency-Selective Fading Channels. <i>IEEE Transactions on Vehicular Technology</i> , 2006 , 55, 1259-1268	6.8	3
93	Non-systematic turbo coding with unequal energy allocation for nonuniform memoryless sources 2005 ,		3
92	Direct-to-Satellite IoT Slotted Aloha Systems with Multiple Satellites and Unequal Erasure Probabilities. <i>Sensors</i> , 2021 , 21,	3.8	3
91	Finite Blocklength Error Probability Distribution for Designing Ultra Reliable Low Latency Systems. <i>IEEE Access</i> , 2020 , 8, 107353-107363	3.5	3
90	Non-Orthogonal Multiple Access and Network Slicing: Scalable Coexistence of eMBB and URLLC 2021 ,		3
89	2016 ,		3
88	2019 ,		3
87	LoRaWAN Adaptive Data Rate With Flexible Link Margin. <i>IEEE Internet of Things Journal</i> , 2021 , 8, 6053-6061	6.7	3

86	D2D Assisted Q-Learning Random Access for NOMA-Based MTC Networks. <i>IEEE Access</i> , 2022 , 10, 30694-30706	3	2
85	. <i>IEEE Access</i> , 2019 , 7, 81839-81848	3.5	2
84	Rate Control for Wireless-Powered Communication Network With Reliability and Delay Constraints. <i>IEEE Transactions on Wireless Communications</i> , 2019 , 18, 5791-5805	9.6	2
83	Area Energy Efficiency of Antenna Selection in Limited Feedback Device-to-Device Networks. <i>IEEE Wireless Communications Letters</i> , 2019 , 8, 949-952	5.9	2
82	Achieving negative security gaps with transmit antenna selection and frame scrambling in quasi-static fading channels. <i>Electronics Letters</i> , 2015 , 51, 200-202	1.1	2
81	An Overview of Machine Learning Applied in Wireless UAV Networks 2020 , 1-15		2
80	Performance Analysis of Single-Cell Adaptive Data Rate-Enabled LoRaWAN. <i>IEEE Wireless Communications Letters</i> , 2020 , 9, 911-914	5.9	2
79	Energy Efficiency of Multi-Hop Underwater Acoustic Networks Using Fountain Codes. <i>IEEE Access</i> , 2020 , 8, 23110-23119	3.5	2
78	Insights on the resilience and capacity of AMI wireless networks 2016 ,		2
77	Performance Analysis of Early-HARQ for Finite Block-Length Packet Transmission 2019 ,		2
76	Energy efficiency of some non-cooperative, cooperative and hybrid communication schemes in multi-relay WSNs. <i>Wireless Networks</i> , 2013 , 19, 1769-1781	2.5	2
75	Energy-efficient MIMO multihop communications using the antenna selection scheme 2015 ,		2
74	A Power Assignment Method for Multi-sink WSN with Outage Probability Constraints 2014 ,		2
73	A new computational decoding complexity measure of convolutional codes. <i>Eurasip Journal on Advances in Signal Processing</i> , 2014 , 2014,	1.9	2
72	A computational complexity measure for trellis modules of convolutional codes 2013 ,		2
71	2013 ,		2
70	Cooperative partial retransmission scheme in incremental decode-and-forward relaying. <i>Eurasip Journal on Wireless Communications and Networking</i> , 2011 , 2011,	3.2	2
69	Type-I HARQ scheme using LDPC codes and partial retransmissions for AWGN and quasi static fading channels 2010 ,		2

68	Hybrid ARQ with Partial Retransmissions and LDPC codes and its Impact on TCP. <i>IEEE Latin America Transactions</i> , 2010 , 8, 417-424	0.7	2
67	Further results on convolutional codes based on a minimal trellis complexity measure 2006 ,		2
66	Space-time convolutional codes over GF(p) achieving full 2-level diversity		2
65	Using hidden Markov models to improve performance of space-time codes in MIMO flat fast-fading channels		2
64	A Dynamic Resource Allocation Scheme for Providing QoS in Packet-Switched Cellular Networks. <i>Lecture Notes in Computer Science</i> , 2005 , 117-126	0.9	2
63	On Optimal Distributed Channel Allocation for Access Points in WLANs. <i>Lecture Notes in Computer Science</i> , 2011 , 73-84	0.9	2
62	Hybrid multiple access for channel allocation-aided eMBB and URLLC slicing in 5G and beyond systems. <i>Internet Technology Letters</i> , e294	1.3	2
61	Network Slicing for eMBB and mMTC with NOMA and Space Diversity Reception 2021 ,		2
60	Non-Orthogonal Hash Access for Grant-Free IoT Blockchain Radio Access Networks. <i>IEEE Wireless Communications Letters</i> , 2021 , 10, 1066-1070	5.9	2
59	Compensating Spectral Efficiency Loss of Wireless RF Energy Transfer With Analog Joint Source Channel Coding Compression. <i>IEEE Sensors Journal</i> , 2016 , 16, 6458-6469	4	2
58	On the Sum-Rate of Contention Resolution in Massive MIMO With NOMA. <i>IEEE Access</i> , 2021 , 9, 24965-24974	3.5	2
57	Network-Coded Cooperative LoRa Network with D2D Communication. <i>IEEE Internet of Things Journal</i> , 2021 , 1-1	10.7	2
56	On the Secure Spectral Efficiency of URLLC With Randomly Located Colluding Eavesdroppers. <i>IEEE Internet of Things Journal</i> , 2021 , 8, 14672-14682	10.7	2
55	Performance Analysis of MIMO-NOMA Iterative Receivers for Massive Connectivity. <i>IEEE Access</i> , 2022 , 10, 46808-46822	3.5	2
54	Multi-sector discrete-time channel model for data link layer evaluation of CubeSat communications. <i>Expert Systems With Applications</i> , 2022 , 117375	7.8	2
53	On the ergodic secrecy capacity and secrecy outage probability of the MIMOME Rayleigh wiretap channel. <i>Transactions on Emerging Telecommunications Technologies</i> , 2017 , 28, e2924	1.9	1
52	On the impact of HARQ on the throughput and energy efficiency using cross-layer analysis 2017 ,		1
51	Energy Efficiency in Multiple Antenna Machine-Type Communications With Reconfigurable RF Transceivers. <i>IEEE Access</i> , 2019 , 7, 113031-113042	3.5	1

50	Effective secrecy throughput analysis of relay-assisted free-space optical communications. <i>Physical Communication</i> , 2019 , 35, 100731	2.2	1
49	On the performance of two-user full-duplex network-coded cooperation. <i>International Journal of Communication Systems</i> , 2019 , 32, e3931	1.7	1
48	Low complexity trellis representations of convolutional codes via sectionalization of the minimal trellis. <i>Telecommunication Systems</i> , 2015 , 59, 491-500	2.3	1
47	Hybrid Wired-Wireless Backhaul Solutions for Heterogeneous Ultra-Dense Networks 2018 ,		1
46	In-Band Pilot Overhead in Ultra-Reliable Low Latency Decode and Forward Relaying 2019 ,		1
45	Bandwidth expansion analog joint source-channel coding with channel inversion and multiple receive antennas 2014 ,		1
44	An outage-based method for planning wireless sensor mesh networks 2013 ,		1
43	Expected time to rendezvous in multi-hop cognitive radio networks 2017 ,		1
42	Energy efficiency analysis of HARQ with chase combining in multi-hop wireless sensor networks 2014 ,		1
41	Energy efficiency of amplify-and-forward, repetition coding and parallel coding in short range communications 2012 ,		1
40	An optimal channel assignment strategy for WLANs using distributed optimization 2012 ,		1
39	High-rate systematic recursive convolutional encoders: minimal trellis and code search. <i>Eurasip Journal on Advances in Signal Processing</i> , 2012 , 2012,	1.9	1
38	Performance evaluation of gossip algorithms in WSNs using outage probability 2013 ,		1
37	Using multiple co-channel femtocells as relays to increase the performance of the outdoor user 2013 ,		1
36	Cooperative Coded Partial Retransmission scheme using Type-I HARQ and LDPC codes 2010 ,		1
35	Novel hybrid ARQ scheme using LDPC codes and partial retransmissions 2009 ,		1
34	Reducing co-existence penalty of retransmission-based cognitive radio protocol. <i>Electronics Letters</i> , 2011 , 47, 409	1.1	1
33	On the energy efficiency of feedback-assisted network coding in multiuser cooperative systems 2012 ,		1

32	Battery-aware energy efficiency of incremental decode-and-forward with relay selection 2012 ,		1
31	A novel hybrid ARQ scheme using turbo codes and diversity combining. <i>AEU - International Journal of Electronics and Communications</i> , 2010 , 64, 1078-1081	2.8	1
30	Generalized Punctured Convolutional Codes with Unequal Error Protection. <i>Eurasip Journal on Advances in Signal Processing</i> , 2008 , 2008,	1.9	1
29	An alternative approach to constructing the minimal trellis for linear block codes 2003 ,		1
28	Performance of symbol-sampled receivers over unknown continuous-time channels 2004 ,		1
27	Performance of symbol-sampled receivers over unknown continuous-time Rayleigh channels. <i>IEEE Transactions on Wireless Communications</i> , 2005 , 4, 2020-2026	9.6	1
26	IRS-Aided Physical Layer Network Slicing for URLLC and eMBB. <i>IEEE Access</i> , 2021 , 9, 163086-163098	3.5	1
25	Ultra Reliable Low Latency Communications as an Enabler For Industry Automation 2020 , 89-107		1
24	CSI-free Rotary Antenna Beamforming for Massive RF Wireless Energy Transfer. <i>IEEE Internet of Things Journal</i> , 2021 , 1-1	10.7	1
23	Error Probability Analysis of Nyquist-I Pulses in Intersymbol and Cochannel Interference 2018 ,		1
22	Fairness in a Class Barring Power Control Random Access Protocol for Crowded XL-MIMO Systems. <i>IEEE Systems Journal</i> , 2022 , 1-9	4.3	1
21	Exploring the Non-Overlapping Visibility Regions in XL-MIMO Random Access and Scheduling. <i>IEEE Transactions on Wireless Communications</i> , 2022 , 1-1	9.6	1
20	. <i>IEEE Access</i> , 2020 , 1-1	3.5	0
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