Richard Demo Souza

List of Publications by Year in Descending Order

229 papers	2,098 citations	20 h-index	36 g-index
280 ext. papers	2,733 ext. citations	4.1 avg, IF	5.48 L-index

#	Paper	IF	Citations
229	LoRaWAN vs. 6TiSCH: Which one scales better?. *Computer Communications*, **2022**, 184, 1-11	5.1	
228	Fairness in a Class Barring Power Control Random Access Protocol for Crowded XL-MIMO Systems. *IEEE Systems Journal*, **2022**, 1-9	4.3	1
227	Exploring the Non-Overlapping Visibility Regions in XL-MIMO Random Access and Scheduling. *IEEE Transactions on Wireless Communications*, **2022**, 1-1	9.6	1
226	D2D Assisted Q-Learning Random Access for NOMA-Based MTC Networks. *IEEE Access*, **2022**, 10, 30694-30706	3.5	3
225	Performance Analysis of MIMO-NOMA Iterative Receivers for Massive Connectivity. *IEEE Access*, **2022**, 10, 46808-46822	3.5	2
224	Multi-sector discrete-time channel model for data link layer evaluation of CubeSat communications. *Expert Systems With Applications*, **2022**, 117375	7.8	2
223	The Role and Applications of Machine Learning in Future Self-Organizing Cellular Networks **2022**, 1494-1516		
222	IRS-Aided Physical Layer Network Slicing for URLLC and eMBB. *IEEE Access*, **2021**, 9, 163086-163098	3.5	1
221	. *IEEE Access*, **2021**, 9, 163178-163187	3.5	5
220	Direct-to-Satellite IoT Slotted Aloha Systems with Multiple Satellites and Unequal Erasure Probabilities. *Sensors*, **2021**, 21,	3.8	3
219	Non-Orthogonal Multiple Access and Network Slicing: Scalable Coexistence of eMBB and URLLC **2021**,		3
218	Network Slicing for eMBB and mMTC with NOMA and Space Diversity Reception **2021**,		2
217	Non-Orthogonal Hash Access for Grant-Free IoT Blockchain Radio Access Networks. *IEEE Wireless Communications Letters*, **2021**, 10, 1066-1070	5.9	2
216	Massive Wireless Energy Transfer: Enabling Sustainable IoT Toward 6G Era. *IEEE Internet of Things Journal*, **2021**, 8, 8816-8835	10.7	30
215	A Cooperative Multiagent Approach for Optimal Drone Deployment Using Reinforcement Learning **2021**, 47-72		
214	. *IEEE Internet of Things Journal*, **2021**, 8, 278-296	10.7	12
213	LoRaWAN Adaptive Data Rate With Flexible Link Margin. *IEEE Internet of Things Journal*, **2021**, 8, 6053-6061	10.7	3

212	On the Sum-Rate of Contention Resolution in Massive MIMO With NOMA. *IEEE Access*, **2021**, 9, 24965-24974	3.5	2
211	Network-Coded Cooperative LoRa Network with D2D Communication. *IEEE Internet of Things Journal*, **2021**, 1-1	10.7	2
210	CSI-free Rotary Antenna Beamforming for Massive RF Wireless Energy Transfer. *IEEE Internet of Things Journal*, **2021**, 1-1	10.7	1
209	DRX-based energy-efficient supervised machine learning algorithm for mobile communication networks. *IET Communications*, **2021**, 15, 1000-1013	1.3	5
208	On the Secure Spectral Efficiency of URLLC With Randomly Located Colluding Eavesdroppers. *IEEE Internet of Things Journal*, **2021**, 8, 14672-14682	10.7	2
207	UAV Path Optimization for Precision Agriculture Wireless Sensor Networks. *Sensors*, **2020**, 20,	3.8	4
206	An Overview of Machine Learning Applied in Wireless UAV Networks **2020**, 1-15		2
205	Beamforming Optimization for Intelligent Reflecting Surfaces without CSI. *IEEE Wireless Communications Letters*, **2020**, 9, 1476-1480	5.9	11
204	. *IEEE Access*, **2020**, 1-1	3.5	0
203	Beyond 5G Low-Power Wide-Area Networks: A LoRaWAN Suitability Study **2020**,		3
202	A NOMA-Based Q-Learning Random Access Method for Machine Type Communications. *IEEE Wireless Communications Letters*, **2020**, 9, 1720-1724	5.9	15
201	Performance Analysis of Single-Cell Adaptive Data Rate-Enabled LoRaWAN. *IEEE Wireless Communications Letters*, **2020**, 9, 911-914	5.9	2
200	. *IEEE Access*, **2020**, 8, 15484-15501	3.5	5
199	Achieving Fair Random Access Performance in Massive MIMO Crowded Machine-Type Networks. *IEEE Wireless Communications Letters*, **2020**, 9, 503-507	5.9	11
198	Hybrid Coded Replication in LoRa Networks. *IEEE Transactions on Industrial Informatics*, **2020**, 16, 5577-5585	11.9	8
197	Energy Efficiency of Multi-Hop Underwater Acoustic Networks Using Fountain Codes. *IEEE Access*, **2020**, 8, 23110-23119	3.5	2
196	Increased Network Lifetime and Load Balancing Based on Network Interface Average Power Metric for RPL. *IEEE Access*, **2020**, 8, 48686-48696	3.5	9
195	Hybrid ARQ in Wireless Packetized Predictive Control **2020**, 4, 1-4		0

194	Information Centric Protocols to Overcome the Limitations of Group Communication in the IoT. *Advances in Intelligent Systems and Computing*, **2020**, 1227-1238	0.4	0
193	Ultra Reliable Low Latency Communications as an Enabler For Industry Automation **2020**, 89-107		1
192	Network Slicing for URLLC and eMBB With Max-Matching Diversity Channel Allocation. *IEEE Communications Letters*, **2020**, 24, 658-661	3.8	18
191	Machine Learning in Energy Efficiency Optimization **2020**, 105-117		6
190	Energy efficiency analysis of Drone Small Cells positioning based on reinforcement learning. *Internet Technology Letters*, **2020**, 3, e166	1.3	
189	Finite Blocklength Error Probability Distribution for Designing Ultra Reliable Low Latency Systems. *IEEE Access*, **2020**, 8, 107353-107363	3.5	3
188	LoRa Performance Analysis with Superposed Signal Decoding. *IEEE Wireless Communications Letters* , **2020**, 9, 1865-1868	5.9	7
187	QA-kNN: Indoor Localization Based on Quartile Analysis and the kNN Classifier for Wireless Networks. *Sensors*, **2020**, 20,	3.8	4
186	. *IEEE Access*, **2019**, 7, 81839-81848	3.5	2
185	Energy Efficiency in Multiple Antenna Machine-Type Communications With Reconfigurable RF Transceivers. *IEEE Access*, **2019**, 7, 113031-113042	3.5	1
184	Rate Control for Wireless-Powered Communication Network With Reliability and Delay Constraints. *IEEE Transactions on Wireless Communications*, **2019**, 18, 5791-5805	9.6	2
183	Backhaul Aware User-Specific Cell Association Using Q-Learning. *IEEE Transactions on Wireless Communications*, **2019**, 18, 3528-3541	9.6	5
182	Effective secrecy throughput analysis of relay-assisted free-space optical communications. *Physical Communication*, **2019**, 35, 100731	2.2	1
181	Area Energy Efficiency of Antenna Selection in Limited Feedback Device-to-Device Networks. *IEEE Wireless Communications Letters*, **2019**, 8, 949-952	5.9	2
180	On the performance of two-user full-duplex network-coded cooperation. *International Journal of Communication Systems*, **2019**, 32, e3931	1.7	1
179	ICENET: An Information Centric Protocol for Big Data Wireless Sensor Networks. *Sensors*, **2019**, 19,	3.8	3
178	. *IEEE Sensors Journal*, **2019**, 19, 3521-3531	4	13
177	Performance Analysis of Early-HARQ for Finite Block-Length Packet Transmission **2019**,		2

176	In-Band Pilot Overhead in Ultra-Reliable Low Latency Decode and Forward Relaying **2019**,		1
175	Intelligent Positioning of UAVs for Future Cellular Networks **2019**, 217-232		
174	. *IEEE Transactions on Vehicular Technology*, **2019**, 68, 9908-9919	6.8	10
173	Statistical Analysis of Multiple Antenna Strategies for Wireless Energy Transfer. *IEEE Transactions on Communications*, **2019**, 67, 7245-7262	6.9	20
172	Two-User Network-Coded Cooperation With NOMA and Advanced Successive Interference Cancellation. *IEEE Communications Letters*, **2019**, 23, 2407-2411	3.8	4
171	K-Means Spreading Factor Allocation for Large-Scale LoRa Networks. *Sensors*, **2019**, 19,	3.8	7
170	Drone Base Station Positioning and Power Allocation using Reinforcement Learning **2019**,		6
169	The Role and Applications of Machine Learning in Future Self-Organizing Cellular Networks. *Advances in Wireless Technologies and Telecommunication Book Series*, **2019**, 1-23	0.2	
168	Optimum LoRaWAN Configuration Under Wi-SUN Interference. *IEEE Access*, **2019**, 7, 170936-170948	3.5	10
167	**2019**,		3
166	. *IEEE Transactions on Green Communications and Networking*, **2019**, 3, 1-10	4	6
165	Coded Redundant Message Transmission Schemes for Low-Power Wide Area IoT Applications. *IEEE Wireless Communications Letters*, **2019**, 8, 584-587	5.9	6
164	. *IEEE Transactions on Communications*, **2018**, 66, 1940-1954	6.9	12
163	Ultra-Reliable Cooperative Short-Packet Communications With Wireless Energy Transfer. *IEEE Sensors Journal*, **2018**, 18, 2161-2177	4	36
162	Wireless Powered Communications With Finite Battery and Finite Blocklength. *IEEE Transactions on Communications*, **2018**, 66, 1803-1816	6.9	24
161	Generalized Network-Coded Cooperation in OFDMA Communications. *IEEE Access*, **2018**, 6, 6550-6559	3.5	6
160	IEEE Access Special Section Editorial: Security in Wireless Communications and Networking. *IEEE Access*, **2018**, 6, 8959-8963	3.5	
159	Power Control and Relay Selection in Cognitive Radio Ad Hoc Networks Using Game Theory. *IEEE Systems Journal*, **2018**, 12, 2854-2865	4.3	8

158	Energy Efficient Cooperation Based on Relay Switching ONOFF Probability for WSNs. *IEEE Systems Journal*, **2018**, 12, 3369-3380	4.3	3
157	An iterative heuristic approach for channel and power allocation in wireless networks. *Annales Des Telecommunications/Annals of Telecommunications*, **2018**, 73, 293-303	2	3
156	Hybrid Wired-Wireless Backhaul Solutions for Heterogeneous Ultra-Dense Networks **2018**,		1
155	Secure Throughput Optimization of Selective Decode-and-Forward with Finite Blocklength **2018**,		3
154	Dynamic control of beacon transmission rate and power with position error constraint in cooperative vehicular networks **2018**,		8
153	Maximum Secrecy Throughput of MIMOME FSO Communications With Outage Constraints. *IEEE Transactions on Wireless Communications*, **2018**, 17, 3487-3497	9.6	15
152	A Machine Learning Approach for Detecting Spoofing Attacks in Wireless Sensor Networks **2018**,		10
151	Analysis and Performance Optimization of LoRa Networks With Time and Antenna Diversity. *IEEE Access*, **2018**, 6, 32820-32829	3.5	52
150	Error Probability Analysis of Nyquist-I Pulses in Intersymbol and Cochannel Interference **2018**,		1
149	Exploiting Time Diversity of LoRa Networks Through Optimum Message Replication **2018**,		5
148	Distributed Drone Base Station Positioning for Emergency Cellular Networks Using Reinforcement Learning. *Cognitive Computation*, **2018**, 10, 790-804	4.4	48
147	Finite Blocklength Communications in Smart Grids for Dynamic Spectrum Access and Locally Licensed Scenarios. *IEEE Sensors Journal*, **2018**, 18, 5610-5621	4	4
146	On the ergodic secrecy capacity and secrecy outage probability of the MIMOME Rayleigh wiretap channel. *Transactions on Emerging Telecommunications Technologies*, **2017**, 28, e2924	1.9	1
145	Energy-efficient outage-constrained power allocation based on statistical channel knowledge for dual-hop cognitive relay networks. *International Journal of Communication Systems*, **2017**, 30, e2965	1.7	3
144	Outage performance of a network coding aided multi-user cooperative secondary network. *Transactions on Emerging Telecommunications Technologies*, **2017**, 28, e2943	1.9	3
143	Ultrareliable Short-Packet Communications With Wireless Energy Transfer. *IEEE Signal Processing Letters*, **2017**, 24, 387-391	3.2	43
142	On the impact of HARQ on the throughput and energy efficiency using cross-layer analysis **2017**,		1
141	On the Secure Energy Efficiency of TAS/MRC With Relaying and Jamming Strategies. *IEEE Signal Processing Letters*, **2017**, 24, 1228-1232	3.2	9

140	A Survey of Machine Learning Techniques Applied to Self-Organizing Cellular Networks. *IEEE Communications Surveys and Tutorials*, **2017**, 19, 2392-2431	37.1	237
139	Ultra reliable short message relaying with wireless power transfer **2017**,		12
138	Expected time to rendezvous in multi-hop cognitive radio networks **2017**,		1
137	Energy-Efficient Channel Coding Strategy for Underwater Acoustic Networks. *Sensors*, **2017**, 17,	3.8	4
136	Optimizing the Code Rate of Energy-Constrained Wireless Communications With HARQ. *IEEE Transactions on Wireless Communications*, **2016**, 15, 191-205	9.6	22
135	On the Optimization of Distributed Compression in Multirelay Cooperative Networks. *IEEE Transactions on Vehicular Technology*, **2016**, 65, 2114-2128	6.8	3
134	On the dynamics of the RPL protocol in AMI networks under jamming attacks **2016**,		4
133	Insights on the resilience and capacity of AMI wireless networks **2016**,		2
132	. *IEEE Access*, **2016**, 4, 7275-7288	3.5	6
131	Energy Efficient Power Allocation Schemes for a Two-User Network-Coded Cooperative Cognitive Radio Network. *IEEE Transactions on Signal Processing*, **2016**, 64, 1654-1667	4.8	14
130	Optimizing the Number of Hops and Retransmissions for Energy Efficient Multi-Hop Underwater Acoustic Communications. *IEEE Sensors Journal*, **2016**, 16, 3927-3938	4	22
129	Energy Efficient Beacon Based Synchronization for Alarm Driven Wireless Sensor Networks. *IEEE Signal Processing Letters*, **2016**, 23, 336-340	3.2	9
128	Information-Theoretic Location Verification System With Directional Antennas for Vehicular Networks. *IEEE Transactions on Intelligent Transportation Systems*, **2016**, 17, 93-103	6.1	14
127	Energy Efficiency of Nonbinary Network-Coded Cooperation. *Studies in Systems, Decision and Control*, **2016**, 169-188	0.8	
126	Performance Analysis of Full-Duplex Cooperative Communication in Vehicular Ad-Hoc Networks. *IFAC-PapersOnLine*, **2016**, 49, 227-232	0.7	5
125	On the upper bound for the time to rendezvous in multi-hop cognitive radio networks **2016**,		5
124	**2016**,		3
123	Energy consumption analysis of underwater acoustic networks using fountain codes **2016**,		6

122	Compensating Spectral Efficiency Loss of Wireless RF Energy Transfer With Analog Joint Source Channel Coding Compression. *IEEE Sensors Journal*, **2016**, 16, 6458-6469	4	2
121	Achieving negative security gaps with transmit antenna selection and frame scrambling in quasi-static fading channels. *Electronics Letters*, **2015**, 51, 200-202	1.1	2
120	An efficient distributed algorithm for constructing spanning trees in wireless sensor networks. *Sensors*, **2015**, 15, 1518-36	3.8	20
119	Low complexity trellis representations of convolutional codes via sectionalization of the minimal trellis. *Telecommunication Systems*, **2015**, 59, 491-500	2.3	1
118	Code rate, frequency and SNR optimization for energy efficient underwater acoustic communications **2015**,		4
117	Code rate optimization for energy efficient delay constrained underwater acoustic communications **2015**,		7
116	Maximum Secrecy Throughput of Transmit Antenna Selection with Eavesdropper Outage Constraints. *IEEE Signal Processing Letters*, **2015**, 22, 2069-2072	3.2	8
115	. *IEEE Transactions on Communications*, **2015**, 63, 3025-3025	6.9	
114	Full-Duplex Relaying Systems Subject to Co-Channel Interference and Noise in Nakagami-m Fading **2015**,		8
113	Energy-efficient MIMO multihop communications using the antenna selection scheme **2015**,		2
112	Secure energy efficiency of selective decode and forward with distributed power allocation **2015**,		4
111	On the performance of cognitive full-duplex relaying under spectrum sharing constraints. *Eurasip Journal on Wireless Communications and Networking*, **2015**, 2015,	3.2	14
110	Using mobility for increasing the energy efficiency of multihop communications **2015**,		4
109	Energy Efficiency vs. Economic Cost of Cellular Networks under Co-channel Interference. *IEEE Latin America Transactions*, **2015**, 13, 422-427	0.7	
108	Systematic construction of common channel hopping rendezvous strategies in cognitive radio networks. *Eurasip Journal on Wireless Communications and Networking*, **2015**, 2015,	3.2	9
107	Energy-Efficient Distributed Power Allocation With Multiple Relays and Antenna Selection. *IEEE Transactions on Communications*, **2015**, 63, 4797-4808	6.9	11
106	Brief survey on full-duplex relaying and its applications on 5G **2015**,		13
105	. *IEEE Signal Processing Letters*, **2015**, 22, 867-870	3.2	16

104	On the Secrecy of Interference-Limited Networks under Composite Fading Channels. *IEEE Signal Processing Letters*, **2015**, 22, 1306-1310	3.2	7
103	Secrecy Analysis of Transmit Antenna Selection Cooperative Schemes With No Channel State Information at the Transmitter. *IEEE Transactions on Communications*, **2015**, 63, 1330-1342	6.9	23
102	Energy Efficient Relay Placement in Dual Hop 802.15.4 Networks. *Wireless Personal Communications* , **2014**, 75, 1947-1967	1.9	16
101	Bandwidth expansion analog joint source-channel coding with channel inversion and multiple receive antennas **2014**,		1
100	Simple role-based rendezvous algorithm for cognitive ad hoc radio networks. *Electronics Letters*, **2014**, 50, 182-184	1.1	4
99	On the performance of full-duplex relaying under phy security constraints **2014**,		9
98	Short Channel Hopping Sequence Approach to Rendezvous for Cognitive Networks. *IEEE Communications Letters*, **2014**, 18, 289-292	3.8	25
97	On the Average Spectral Efficiency of Interference-Limited Full-Duplex Networks **2014**,		22
96	Lightweight Data Compression in Wireless Sensor Networks Using Huffman Coding. *International Journal of Distributed Sensor Networks*, **2014**, 10, 672921	1.7	16
95	Power-rate control with directional transmission and reception in a cognitive radio network **2014**,		3
94	On the performance of network-coded cooperative communications with wireless energy transfer under a realistic power consumption model **2014**,		3
93	On the performance of hybrid ARQ schemes for uplink information transmission with wireless power transfer in the downlink **2014**,		9
92	Genetic Algorithm Aided Transmit Power Control in Cognitive Radio Networks **2014**,		10
91	Optimizing the code rate for achieving energy-efficient wireless communications **2014**,		11
90	Energy efficiency analysis of HARQ with chase combining in multi-hop wireless sensor networks **2014**,		1
89	A Power Assignment Method for Multi-sink WSN with Outage Probability Constraints **2014**,		2
88	. *IEEE Transactions on Signal Processing*, **2014**, 62, 5009-5019	4.8	32
87	Energy Efficiency-Spectral Efficiency Trade-Off of Transmit Antenna Selection. *IEEE Transactions on Communications*, **2014**, 62, 4293-4303	6.9	14

86	Outage, throughput and energy efficiency analysis of some half and full duplex cooperative relaying schemes. *Transactions on Emerging Telecommunications Technologies*, **2014**, 25, 1114-1125	1.9	12
85	A new computational decoding complexity measure of convolutional codes. *Eurasip Journal on Advances in Signal Processing*, **2014**, 2014,	1.9	2
84	Cooperative overlay secondary transmissions exploiting primary retransmissions. *Eurasip Journal on Wireless Communications and Networking*, **2013**, 2013,	3.2	6
83	Energy efficiency of some non-cooperative, cooperative and hybrid communication schemes in multi-relay WSNs. *Wireless Networks*, **2013**, 19, 1769-1781	2.5	2
82	A simple iterative positioning algorithm for client node localization in WLANs. *Eurasip Journal on Wireless Communications and Networking*, **2013**, 2013,	3.2	3
81	Spatial Diversity Using Analog Joint Source Channel Coding in Wireless Channels. *IEEE Transactions on Communications*, **2013**, 61, 301-311	6.9	19
80	Rate and Energy Efficient Power Control in a Cognitive Radio Ad Hoc Network. *IEEE Signal Processing Letters*, **2013**, 20, 451-454	3.2	29
79	Distributed Fuzzy Logic-Based Relay Selection Algorithm for Cooperative Wireless Sensor Networks. *IEEE Sensors Journal*, **2013**, 13, 4375-4386	4	20
78	Energy Efficiency of Transmit Diversity Systems Under a Realistic Power Consumption Model. *IEEE Communications Letters*, **2013**, 17, 119-122	3.8	16
77	An outage-based method for planning wireless sensor mesh networks **2013**,		1
76	Energy Efficiency of Network Coded Cooperative Communications in Nakagami-m Fading. *IEEE Signal Processing Letters*, **2013**, 20, 960-963	3.2	9
75	A computational complexity measure for trellis modules of convolutional codes **2013**,		2
74	. *IEEE Transactions on Communications*, **2013**, 61, 3600-3610	6.9	3
73	Performance evaluation of gossip algorithms in WSNs using outage probability **2013**,		1
72	Outage Probability and Energy Efficiency of Cooperative MIMO with Antenna Selection. *IEEE Transactions on Wireless Communications*, **2013**, 12, 5896-5907	9.6	27
71	Using multiple co-channel femtocells as relays to increase the performance of the outdoor user **2013**,		1
70	On the performance of two-way half-duplex and one-way full-duplex relaying **2013**,		15
69	**2013**,		2

68	Performance of Block-Markov Full Duplex Relaying with Self Interference in Nakagami-m Fading. *IEEE Wireless Communications Letters*, **2013**, 2, 311-314	5.9	71
67	Throughput performance of parallel and repetition coding in incremental decode-and-forward relaying. *Wireless Networks*, **2012**, 18, 881-892	2.5	9
66	Performance analysis of full duplex and selective and incremental half duplex relaying schemes **2012**,		23
65	Generalised Quasi-Cyclic LDPC codes based on Progressive Edge Growth Techniques for block fading channels **2012**,		3
64	Energy efficiency of amplify-and-forward, repetition coding and parallel coding in short range communications **2012**,		1
63	Energy-efficient cooperative image transmission over wireless sensor networks **2012**,		6
62	An optimal channel assignment strategy for WLANs using distributed optimization **2012**,		1
61	Energy efficiency contours for amplify-and-forward and decode-and-forward cooperative protocols **2012**,		4
60	Performance of Transmit Antenna Selection Physical Layer Security Schemes. *IEEE Signal Processing Letters*, **2012**, 19, 372-375	3.2	169
59	Reduced complexity decoding of convolutional codes based on the M-algorithm and the minimal trellis. *Annales Des Telecommunications/Annals of Telecommunications*, **2012**, 67, 537-545	2	3
58	Impact of Rate Control on the Performance of a Cognitive Radio Ad-Hoc Network. *IEEE Communications Letters*, **2012**, 16, 1424-1427	3.8	4
57	A multi-agent approach to optimal channel assignment in WLANs **2012**,		4
56	High-rate systematic recursive convolutional encoders: minimal trellis and code search. *Eurasip Journal on Advances in Signal Processing*, **2012**, 2012,	1.9	1
55	Enhanced performance of heterogeneous networks through full-duplex relaying. *Eurasip Journal on Wireless Communications and Networking*, **2012**, 2012,	3.2	4
54	Energy efficiency and throughput performance of power and rate allocation on incremental decode-and-forward relaying. *Wireless Networks*, **2012**, 18, 495-505	2.5	4
53	Spectrally Efficient Incremental Relaying for Coverage Expansion in Cellular Networks with Heterogeneous Path Loss Conditions. *Wireless Personal Communications*, **2012**, 64, 811-829	1.9	5
52	Channel allocation algorithms for WLANs using distributed optimization. *AEU - International Journal of Electronics and Communications*, **2012**, 66, 480-490	2.8	3
51	On the energy efficiency of feedback-assisted network coding in multiuser cooperative systems **2012**,		1

50	Battery-aware energy efficiency of incremental decode-and-forward with relay selection **2012**,		1
49	Selective Decode-and-Forward Using Fixed Relays and Packet Accumulation. *IEEE Communications Letters*, **2011**, 15, 707-709	3.8	8
48	Design of LDPC Codes Based on Progressive Edge Growth Techniques for Block Fading Channels. *IEEE Communications Letters*, **2011**, 15, 1221-1223	3.8	17
47	Energy Efficiency Analysis of Some Cooperative and Non-Cooperative Transmission Schemes in Wireless Sensor Networks. *IEEE Transactions on Communications*, **2011**, 59, 2671-2677	6.9	66
46	Cooperative partial retransmission scheme in incremental decode-and-forward relaying. *Eurasip Journal on Wireless Communications and Networking*, **2011**, 2011,	3.2	2
45	LDPC codes based on Progressive Edge Growth techniques for block fading channels **2011**,		4
44	Enhanced physical layer security through transmit antenna selection **2011**,		16
43	On the energy efficiency of some cooperative and non-cooperative transmission schemes in WSNs **2011**,		3
42	A conceptually simple framework for simulating hierarchical MPEG video traffic. *AEU - International Journal of Electronics and Communications*, **2011**, 65, 296-304	2.8	
41	Comparing the energy efficiency of single-hop, multi-hop and incremental decode-and-forward in multi-relay wireless sensor networks **2011**,		13
40	Performance of Type-I and Type-II Hybrid ARQ in Decode and Forward Relaying **2011**,		3
39	Analog joint source-channel coding in Rayleigh fading channels **2011**,		6
38	Minimal trellis for systematic recursive convolutional encoders **2011**,		4
37	Reducing co-existence penalty of retransmission-based cognitive radio protocol. *Electronics Letters*, **2011**, 47, 409	1.1	1
36	On Optimal Distributed Channel Allocation for Access Points in WLANs. *Lecture Notes in Computer Science*, **2011**, 73-84	0.9	2
35	Type-I HARQ scheme using LDPC codes and partial retransmissions for AWGN and quasi static fading channels **2010**,		2
34	Hardware implementation of a Viterbi decoder using the minimal trellis **2010**,		4
33	Hybrid ARQ with Partial Retransmissions and LDPC codes and its Impact on TCP. *IEEE Latin America Transactions*, **2010**, 8, 417-424	0.7	2

32	Cooperative Coded Partial Retransmission scheme using Type-I HARQ and LDPC codes **2010**,		1
31	On unequal error protection for LZSS compressed data. *Annales Des Telecommunications/Annals of Telecommunications*, **2010**, 65, 285-292	2	
30	Error control coding in wireless sensor networks. *Telecommunication Systems*, **2010**, 44, 61-68	2.3	30
29	Overlay Cognitive Radio in Wireless Mesh Networks. *Wireless Personal Communications*, **2010**, 55, 237-251	1.9	3
28	A novel hybrid ARQ scheme using turbo codes and diversity combining. *AEU - International Journal of Electronics and Communications*, **2010**, 64, 1078-1081	2.8	1
27	Hybrid ARQ scheme based on recursive convolutional codes and turbo decoding. *IEEE Transactions on Communications*, **2009**, 57, 315-318	6.9	13
26	Convolutional codes under a minimal trellis complexity measure. *IEEE Transactions on Communications*, **2009**, 57, 1-5	6.9	15
25	Multiple Concurrent Transmissions in Wireless Mesh Networks Employing Superposition and Dirty Paper Coding. *IEEE Transactions on Vehicular Technology*, **2009**, 58, 5115-5123	6.8	3
24	Novel hybrid ARQ scheme using LDPC codes and partial retransmissions **2009**,		1
23	Overlay Cognitive Radio with Multiple Secondaries and its Application to Wireless Mesh Networks **2009**,		3
22	Using Cognitive Radio for Improving the Capacity of Wireless Mesh Networks **2008**,		9
21	Generalized Punctured Convolutional Codes with Unequal Error Protection. *Eurasip Journal on Advances in Signal Processing*, **2008**, 2008,	1.9	1
20	Split-ST-OFDM: Using split processing to improve the performance of space-time OFDM over digital TV channels. *Computers and Electrical Engineering*, **2008**, 34, 1-11	4.3	
19	Turbo equalization for block fading MIMO channels using random signal mapping. *Computers and Electrical Engineering*, **2007**, 33, 79-87	4.3	
18	Effect of the Shaping Filter in the Performance of Symbol-Sampled Receivers Over Unknown Continuous-Time Channels. *Wireless Personal Communications*, **2007**, 42, 619-629	1.9	
17	Unequal error protection for LZSS compressed data using Reed-Solomon codes. *IET Communications*, **2007**, 1, 612	1.3	6
16	Semiblind EM-Based Iterative Receivers for Space‐Time-Coded Modulation and Quasi-Static Frequency-Selective Fading Channels. *IEEE Transactions on Vehicular Technology*, **2006**, 55, 1259-1268	6.8	3
15	Further results on convolutional codes based on a minimal trellis complexity measure **2006**,		2

14	Turbo coding of strongly nonuniform memoryless sources with unequal energy allocation and PAM signaling. *IEEE Transactions on Signal Processing*, **2006**, 54, 1942-1946	4.8	16
13	Comparative Analysis Among Different Monitoring Functions in a Bandwidth Renegotiation Scheme for Packet Switched Cellular Networks. *Lecture Notes in Computer Science*, **2006**, 76-87	0.9	
12	Generalized punctured convolutional codes. *IEEE Communications Letters*, **2005**, 9, 1070-1072	3.8	10
11	A Dynamic Resource Allocation Scheme for Providing QoS in Packet-Switched Cellular Networks. *Lecture Notes in Computer Science*, **2005**, 117-126	0.9	2
10	Non-systematic turbo coding with unequal energy allocation for nonuniform memoryless sources **2005**,		3
9	Performance of symbol-sampled receivers over unknown continuous-time Rayleigh channels. *IEEE Transactions on Wireless Communications*, **2005**, 4, 2020-2026	9.6	1
8	Turbo Equalization for Unknown Channels: A Semi-Blind Approach. *IEEE Latin America Transactions*, **2004**, 2, 100-107	0.7	
7	Performance of symbol-sampled receivers over unknown continuous-time channels **2004**,		1
6	An alternative approach to constructing the minimal trellis for linear block codes **2003**,		1
5	Space-time convolutional codes over GF(p) achieving full 2-level diversity		2
4	Source-controlled turbo coding of nonuniform memoryless sources based on unequal energy allocation		6
3	Using hidden Markov models to improve performance of space-time codes in MIMO flat fast-fading channels		2
2	On trellis modules for convolutional codes		4
1	Hybrid multiple access for channel allocation-aided eMBB and URLLC slicing in 5G and beyond systems. *Internet Technology Letters*,e294	1.3	2