

Richard Demo Souza

List of Publications by Year in descending order

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275
papers

3,216
citations

257101

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g-index

280
all docs

280
docs citations

280
times ranked

2805
citing authors

#	ARTICLE	IF	CITATIONS
1	A Survey of Machine Learning Techniques Applied to Self-Organizing Cellular Networks. IEEE Communications Surveys and Tutorials, 2017, 19, 2392-2431.	24.8	352
2	Performance of Transmit Antenna Selection Physical Layer Security Schemes. IEEE Signal Processing Letters, 2012, 19, 372-375.	2.1	206
3	Performance of Block-Markov Full Duplex Relaying with Self Interference in Nakagami-m Fading. IEEE Wireless Communications Letters, 2013, 2, 311-314.	3.2	130
4	Massive Wireless Energy Transfer: Enabling Sustainable IoT Toward 6G Era. IEEE Internet of Things Journal, 2021, 8, 8816-8835.	5.5	94
5	Energy Efficiency Analysis of Some Cooperative and Non-Cooperative Transmission Schemes in Wireless Sensor Networks. IEEE Transactions on Communications, 2011, 59, 2671-2677.	4.9	81
6	Distributed Drone Base Station Positioning for Emergency Cellular Networks Using Reinforcement Learning. Cognitive Computation, 2018, 10, 790-804.	3.6	77
7	Analysis and Performance Optimization of LoRa Networks With Time and Antenna Diversity. IEEE Access, 2018, 6, 32820-32829.	2.6	76
8	Ultrareliable Short-Packet Communications With Wireless Energy Transfer. IEEE Signal Processing Letters, 2017, 24, 387-391.	2.1	57
9	Ultra-Reliable Cooperative Short-Packet Communications With Wireless Energy Transfer. IEEE Sensors Journal, 2018, 18, 2161-2177.	2.4	45
10	Time-Switching Uplink Network-Coded Cooperative Communication With Downlink Energy Transfer. IEEE Transactions on Signal Processing, 2014, 62, 5009-5019.	3.2	38
11	Error control coding in wireless sensor networks. Telecommunication Systems, 2010, 44, 61-68.	1.6	37
12	A NOMA-Based Q -Learning Random Access Method for Machine Type Communications. IEEE Wireless Communications Letters, 2020, 9, 1720-1724.	3.2	37
13	Rate and Energy Efficient Power Control in a Cognitive Radio Ad Hoc Network. IEEE Signal Processing Letters, 2013, 20, 451-454.	2.1	35
14	Outage Probability and Energy Efficiency of Cooperative MIMO with Antenna Selection. IEEE Transactions on Wireless Communications, 2013, 12, 5896-5907.	6.1	34
15	Wireless Powered Communications With Finite Battery and Finite Blocklength. IEEE Transactions on Communications, 2018, 66, 1803-1816.	4.9	33
16	Network Slicing for URLLC and eMBB With Max-Matching Diversity Channel Allocation. IEEE Communications Letters, 2020, 24, 658-661.	2.5	32
17	Short Channel Hopping Sequence Approach to Rendezvous for Cognitive Networks. IEEE Communications Letters, 2014, 18, 289-292.	2.5	30
18	Enhanced physical layer security through transmit antenna selection. , 2011, , .		28

#	ARTICLE	IF	CITATIONS
19	Performance analysis of full duplex and selective and incremental half duplex relaying schemes. , 2012, , ,		28
20	Distributed Fuzzy Logic-Based Relay Selection Algorithm for Cooperative Wireless Sensor Networks. IEEE Sensors Journal, 2013, 13, 4375-4386.	2.4	28
21	Optimizing the Number of Hops and Retransmissions for Energy Efficient Multi-Hop Underwater Acoustic Communications. IEEE Sensors Journal, 2016, 16, 3927-3938.	2.4	27
22	Spatial Diversity Using Analog Joint Source Channel Coding in Wireless Channels. IEEE Transactions on Communications, 2013, 61, 301-311.	4.9	26
23	Optimizing the Code Rate of Energy-Constrained Wireless Communications With HARQ. IEEE Transactions on Wireless Communications, 2016, 15, 191-205.	6.1	26
24	On the Average Spectral Efficiency of Interference-Limited Full-Duplex Networks. , 2014, , ,		25
25	Secrecy Analysis of Transmit Antenna Selection Cooperative Schemes With No Channel State Information at the Transmitter. IEEE Transactions on Communications, 2015, 63, 1330-1342.	4.9	25
26	Energy Efficient Power Allocation Schemes for a Two-User Network-Coded Cooperative Cognitive Radio Network. IEEE Transactions on Signal Processing, 2016, 64, 1654-1667.	3.2	25
27	K-Means Spreading Factor Allocation for Large-Scale LoRa Networks. Sensors, 2019, 19, 4723.	2.1	25
28	Maximum Secrecy Throughput of MIMOME FSO Communications With Outage Constraints. IEEE Transactions on Wireless Communications, 2018, 17, 3487-3497.	6.1	24
29	Statistical Analysis of Multiple Antenna Strategies for Wireless Energy Transfer. IEEE Transactions on Communications, 2019, 67, 7245-7262.	4.9	24
30	Beamforming Optimization for Intelligent Reflecting Surfaces without CSI. IEEE Wireless Communications Letters, 2020, 9, 1476-1480.	3.2	24
31	Hybrid Coded Replication in LoRa Networks. IEEE Transactions on Industrial Informatics, 2020, 16, 5577-5585.	7.2	24
32	Design of LDPC Codes Based on Progressive Edge Growth Techniques for Block Fading Channels. IEEE Communications Letters, 2011, 15, 1221-1223.	2.5	23
33	Lightweight Data Compression in Wireless Sensor Networks Using Huffman Coding. International Journal of Distributed Sensor Networks, 2014, 10, 672921.	1.3	23
34	Turbo coding of strongly nonuniform memoryless sources with unequal energy allocation and PAM signaling. IEEE Transactions on Signal Processing, 2006, 54, 1942-1946.	3.2	22
35	An Efficient Distributed Algorithm for Constructing Spanning Trees in Wireless Sensor Networks. Sensors, 2015, 15, 1518-1536.	2.1	22
36	Performance Analysis of Hybrid ARQ for Ultra-Reliable Low Latency Communications. IEEE Sensors Journal, 2019, 19, 3521-3531.	2.4	22

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37	Increased Network Lifetime and Load Balancing Based on Network Interface Average Power Metric for RPL. IEEE Access, 2020, 8, 48686-48696.	2.6	21
38	Convolutional codes under a minimal trellis complexity measure. IEEE Transactions on Communications, 2009, 57, 1-5.	4.9	20
39	Energy Efficiency of Transmit Diversity Systems Under a Realistic Power Consumption Model. IEEE Communications Letters, 2013, 17, 119-122.	2.5	20
40	Energy Efficient Relay Placement in Dual Hop 802.15.4 Networks. Wireless Personal Communications, 2014, 75, 1947-1967.	1.8	20
41	A Novel Efficient Initial Access Method for 5G Millimeter Wave Communications Using Genetic Algorithm. IEEE Transactions on Vehicular Technology, 2019, 68, 9908-9919.	3.9	20
42	Energy Efficiency-Spectral Efficiency Trade-Off of Transmit Antenna Selection. IEEE Transactions on Communications, 2014, 62, 4293-4303.	4.9	19
43	On the Performance of Secure Full-Duplex Relaying under Composite Fading Channels. IEEE Signal Processing Letters, 2015, 22, 867-870.	2.1	19
44	LoRa Performance Analysis with Superposed Signal Decoding. IEEE Wireless Communications Letters, 2020, 9, 1865-1868.	3.2	19
45	Information-Theoretic Location Verification System With Directional Antennas for Vehicular Networks. IEEE Transactions on Intelligent Transportation Systems, 2016, 17, 93-103.	4.7	18
46	Hybrid ARQ scheme based on recursive convolutional codes and turbo decoding. IEEE Transactions on Communications, 2009, 57, 315-318.	4.9	17
47	Comparing the energy efficiency of single-hop, multi-hop and incremental decode-and-forward in multi-relay wireless sensor networks. , 2011, , .		17
48	Outage, throughput and energy efficiency analysis of some half and full duplex cooperative relaying schemes. Transactions on Emerging Telecommunications Technologies, 2014, 25, 1114-1125.	2.6	17
49	On the performance of cognitive full-duplex relaying under spectrum sharing constraints. Eurasip Journal on Wireless Communications and Networking, 2015, 2015, .	1.5	17
50	On CSI-Free Multiantenna Schemes for Massive RF Wireless Energy Transfer. IEEE Internet of Things Journal, 2021, 8, 278-296.	5.5	17
51	On the performance of two-way half-duplex and one-way full-duplex relaying. , 2013, , .		16
52	Optimum LoRaWAN Configuration Under Wi-SUN Interference. IEEE Access, 2019, 7, 170936-170948.	2.6	16
53	Energy-Efficient Distributed Power Allocation With Multiple Relays and Antenna Selection. IEEE Transactions on Communications, 2015, 63, 4797-4808.	4.9	15
54	Ultra reliable short message relaying with wireless power transfer. , 2017, , .		15

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55	A Machine Learning Approach for Detecting Spoofing Attacks in Wireless Sensor Networks. , 2018, , .		15
56	Achieving Fair Random Access Performance in Massive MIMO Crowded Machine-Type Networks. IEEE Wireless Communications Letters, 2020, 9, 503-507.	3.2	15
57	Using Cognitive Radio for Improving the Capacity of Wireless Mesh Networks. , 2008, , .		14
58	Selective Decode-and-Forward Using Fixed Relays and Packet Accumulation. IEEE Communications Letters, 2011, 15, 707-709.	2.5	14
59	Brief survey on full-duplex relaying and its applications on 5G. , 2015, , .		14
60	Power Control and Relay Selection in Cognitive Radio Ad Hoc Networks Using Game Theory. IEEE Systems Journal, 2018, 12, 2854-2865.	2.9	14
61	Backhaul Aware User-Specific Cell Association Using Q-Learning. IEEE Transactions on Wireless Communications, 2019, 18, 3528-3541.	6.1	14
62	Non-Orthogonal Multiple Access and Network Slicing: Scalable Coexistence of eMBB and URLLC. , 2021, , .		14
63	Generalized punctured convolutional codes. IEEE Communications Letters, 2005, 9, 1070-1072.	2.5	13
64	Genetic Algorithm Aided Transmit Power Control in Cognitive Radio Networks. , 2014, , .		13
65	Systematic construction of common channel hopping rendezvous strategies in cognitive radio networks. Eurasip Journal on Wireless Communications and Networking, 2015, 2015, .	1.5	13
66	Dynamic control of beacon transmission rate and power with position error constraint in cooperative vehicular networks. , 2018, , .		13
67	Coded Redundant Message Transmission Schemes for Low-Power Wide Area IoT Applications. IEEE Wireless Communications Letters, 2019, 8, 584-587.	3.2	13
68	Optimizing the code rate for achieving energy-efficient wireless communications. , 2014, , .		12
69	On the performance of full-duplex relaying under phy security constraints. , 2014, , .		12
70	Maximum Secrecy Throughput of Transmit Antenna Selection with Eavesdropper Outage Constraints. IEEE Signal Processing Letters, 2015, 22, 2069-2072.	2.1	12
71	Physical and MAC Cross-Layer Analysis of Energy-Efficient Cooperative MIMO Networks. IEEE Transactions on Communications, 2018, 66, 1940-1954.	4.9	12
72	LoRaWAN Adaptive Data Rate With Flexible Link Margin. IEEE Internet of Things Journal, 2021, 8, 6053-6061.	5.5	12

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73	Rate-Splitting Multiple Access for URLLC Uplink in Physical Layer Network Slicing With eMBB. IEEE Access, 2021, 9, 163178-163187.	2.6	12
74	Energy Efficiency of Network Coded Cooperative Communications in Nakagami- m Fading. IEEE Signal Processing Letters, 2013, 20, 960-963.	2.1	11
75	Energy Efficient Beacon Based Synchronization for Alarm Driven Wireless Sensor Networks. IEEE Signal Processing Letters, 2016, 23, 336-340.	2.1	11
76	On the Secure Energy Efficiency of TAS/MRC With Relaying and Jamming Strategies. IEEE Signal Processing Letters, 2017, 24, 1228-1232.	2.1	11
77	Drone Base Station Positioning and Power Allocation using Reinforcement Learning. , 2019, , .		11
78	Performance Analysis of Single-Cell Adaptive Data Rate-Enabled LoRaWAN. IEEE Wireless Communications Letters, 2020, 9, 911-914.	3.2	11
79	Throughput performance of parallel and repetition coding in incremental decode-and-forward relaying. Wireless Networks, 2012, 18, 881-892.	2.0	10
80	Full-Duplex Relaying Systems Subject to Co-Channel Interference and Noise in Nakagami- m Fading. , 2015, , .		10
81	Exploiting Time Diversity of LoRa Networks Through Optimum Message Replication. , 2018, , .		10
82	Finite Blocklength Error Probability Distribution for Designing Ultra Reliable Low Latency Systems. IEEE Access, 2020, 8, 107353-107363.	2.6	10
83	UAV Path Optimization for Precision Agriculture Wireless Sensor Networks. Sensors, 2020, 20, 6098.	2.1	10
84	DRX-based energy-efficient supervised machine learning algorithm for mobile communication networks. IET Communications, 2021, 15, 1000-1013.	1.5	10
85	Network Slicing for eMBB and mMTC with NOMA and Space Diversity Reception. , 2021, , .		10
86	Direct-to-Satellite IoT Slotted Aloha Systems with Multiple Satellites and Unequal Erasure Probabilities. Sensors, 2021, 21, 7099.	2.1	10
87	Exploring the Non-Overlapping Visibility Regions in XL-MIMO Random Access and Scheduling. IEEE Transactions on Wireless Communications, 2022, 21, 6597-6610.	6.1	10
88	D2D Assisted Q-Learning Random Access for NOMA-Based MTC Networks. IEEE Access, 2022, 10, 30694-30706.	2.6	10
89	Analog joint source-channel coding in Rayleigh fading channels. , 2011, , .		9
90	On the performance of hybrid ARQ schemes for uplink information transmission with wireless power transfer in the downlink. , 2014, , .		9

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91	Code rate optimization for energy efficient delay constrained underwater acoustic communications. , 2015, , .		9
92	Two-User Network-Coded Cooperation With NOMA and Advanced Successive Interference Cancellation. IEEE Communications Letters, 2019, 23, 2407-2411.	2.5	9
93	Opportunities for autonomous UAV in harsh environments. , 2019, , .		9
94	POSACC: Position-Accuracy Based Adaptive Beaconsing Algorithm for Cooperative Vehicular Safety Systems. IEEE Access, 2020, 8, 15484-15501.	2.6	9
95	Source-controlled turbo coding of non-uniform memoryless sources based on unequal energy allocation. , 0, , .		8
96	A multi-agent approach to optimal channel assignment in WLANs. , 2012, , .		8
97	Channel allocation algorithms for WLANs using distributed optimization. AEU - International Journal of Electronics and Communications, 2012, 66, 480-490.	1.7	8
98	Generalized Network-Coded Cooperation in OFDMA Communications. IEEE Access, 2018, 6, 6550-6559.	2.6	8
99	Energy Efficiency of Multiple Antenna Cellular Networks Considering a Realistic Power Consumption Model. IEEE Transactions on Green Communications and Networking, 2019, 3, 1-10.	3.5	8
100	QA-kNN: Indoor Localization Based on Quartile Analysis and the kNN Classifier for Wireless Networks. Sensors, 2020, 20, 4714.	2.1	8
101	Beyond 5G Low-Power Wide-Area Networks: A LoRaWAN Suitability Study. , 2020, , .		8
102	Network-Coded Cooperative LoRa Network With D2D Communication. IEEE Internet of Things Journal, 2022, 9, 4997-5008.	5.5	8
103	On the Secure Spectral Efficiency of URLLC With Randomly Located Colluding Eavesdroppers. IEEE Internet of Things Journal, 2021, 8, 14672-14682.	5.5	8
104	Unequal error protection for LZSS compressed data using Reed-Solomon codes. IET Communications, 2007, 1, 612.	1.5	7
105	Minimal trellis for systematic recursive convolutional encoders. , 2011, , .		7
106	Generalised Quasi-Cyclic LDPC codes based on Progressive Edge Growth Techniques for block fading channels. , 2012, , .		7
107	Energy-efficient cooperative image transmission over wireless sensor networks. , 2012, , .		7
108	Simple role-based rendezvous algorithm for cognitive ad hoc radio networks. Electronics Letters, 2014, 50, 182-184.	0.5	7

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109	On the Secrecy of Interference-Limited Networks under Composite Fading Channels. IEEE Signal Processing Letters, 2015, 22, 1306-1310.	2.1	7
110	Energy consumption analysis of underwater acoustic networks using fountain codes. , 2016, , .		7
111	On the dynamics of the RPL protocol in AML networks under jamming attacks. , 2016, , .		7
112	Energy-Efficient Channel Coding Strategy for Underwater Acoustic Networks. Sensors, 2017, 17, 728.	2.1	7
113	An iterative heuristic approach for channel and power allocation in wireless networks. Annales Des Telecommunications/Annals of Telecommunications, 2018, 73, 293-303.	1.6	7
114	CSI-Free Rotary Antenna Beamforming for Massive RF Wireless Energy Transfer. IEEE Internet of Things Journal, 2022, 9, 7375-7387.	5.5	7
115	Intelligent Reflecting Surfaces Beamforming Optimization with Statistical Channel Knowledge. Sensors, 2022, 22, 2390.	2.1	7
116	Energy-Efficient Wake-Up Signalling for Machine-Type Devices Based on Traffic-Aware Long Short-Term Memory Prediction. IEEE Internet of Things Journal, 2022, 9, 21620-21631.	5.5	7
117	Non-systematic turbo coding with unequal energy allocation for nonuniform memoryless sources. , 2005, , .		6
118	Overlay Cognitive Radio in Wireless Mesh Networks. Wireless Personal Communications, 2010, 55, 237-251.	1.8	6
119	On the energy efficiency of some cooperative and non-cooperative transmission schemes in WSNs. , 2011, , .		6
120	Reducing co-existence penalty of retransmission-based cognitive radio protocol. Electronics Letters, 2011, 47, 409.	0.5	6
121	Spectrally Efficient Incremental Relaying for Coverage Expansion in Cellular Networks with Heterogeneous Path Loss Conditions. Wireless Personal Communications, 2012, 64, 811-829.	1.8	6
122	Cooperative overlay secondary transmissions exploiting primary retransmissions. Eurasip Journal on Wireless Communications and Networking, 2013, 2013, .	1.5	6
123	Network Coding for Cooperative MIMO Vehicular Ad-Hoc Networks. , 2013, , .		6
124	Performance Analysis of Full-Duplex Cooperative Communication in Vehicular Ad-Hoc Networks. IFAC-PapersOnLine, 2016, 49, 227-232.	0.5	6
125	Energy Efficiency of Repetition Coding and Parallel Coding Relaying Under Partial Secrecy Regime. IEEE Access, 2016, 4, 7275-7288.	2.6	6
126	Energy Efficient Cooperation Based on Relay Switching ON-OFF Probability for WSNs. IEEE Systems Journal, 2018, 12, 3369-3380.	2.9	6

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127	Performance Analysis of Early-HARQ for Finite Block-Length Packet Transmission. , 2019, , .		6
128	Effective secrecy throughput analysis of relay-assisted free-space optical communications. Physical Communication, 2019, 35, 100731.	1.2	6
129	Performance Analysis of MIMO-NOMA Iterative Receivers for Massive Connectivity. IEEE Access, 2022, 10, 46808-46822.	2.6	6
130	On trellis modules for convolutional codes. , 0, , .		5
131	A semiblind receiver for iterative data detection and decoding of space-time coded data. , 0, , .		5
132	Multiple Concurrent Transmissions in Wireless Mesh Networks Employing Superposition and Dirty Paper Coding. IEEE Transactions on Vehicular Technology, 2009, 58, 5115-5123.	3.9	5
133	Hardware implementation of a Viterbi decoder using the minimal trellis. , 2010, , .		5
134	Performance of Type-I and Type-II Hybrid ARQ in Decode and Forward Relaying. , 2011, , .		5
135	Energy efficiency contours for amplify-and-forward and decode-and-forward cooperative protocols. , 2012, , .		5
136	Impact of Rate Control on the Performance of a Cognitive Radio Ad-Hoc Network. IEEE Communications Letters, 2012, 16, 1424-1427.	2.5	5
137	Energy efficiency and throughput performance of power and rate allocation on incremental decode-and-forward relaying. Wireless Networks, 2012, 18, 495-505.	2.0	5
138	Turbo Decoding Using the Sectionalized Minimal Trellis of the Constituent Code: Performance-Complexity Trade-Off. IEEE Transactions on Communications, 2013, 61, 3600-3610.	4.9	5
139	Secure energy efficiency of selective decode and forward with distributed power allocation. , 2015, , .		5
140	Achieving negative security gaps with transmit antenna selection and frame scrambling in quasi-static fading channels. Electronics Letters, 2015, 51, 200-202.	0.5	5
141	On the upper bound for the time to rendezvous in multi-hop cognitive radio networks. , 2016, , .		5
142	Outage performance of a network coding aided multi-user cooperative secondary network. Transactions on Emerging Telecommunications Technologies, 2017, 28, e2943.	2.6	5
143	A simplified widely linear iterative equalizer for SC-FDE systems. , 2017, , .		5
144	Ultra-reliable short message cooperative relaying protocols under Nakagami-m fading. , 2017, , .		5

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145	Finite Blocklength Communications in Smart Grids for Dynamic Spectrum Access and Locally Licensed Scenarios. IEEE Sensors Journal, 2018, 18, 5610-5621.	2.4	5
146	Secure Throughput Optimization of Selective Decode-and-Forward with Finite Blocklength. , 2018, , .		5
147	Rate Control for Wireless-Powered Communication Network With Reliability and Delay Constraints. IEEE Transactions on Wireless Communications, 2019, 18, 5791-5805.	6.1	5
148	Energy Efficiency of Multi-Hop Underwater Acoustic Networks Using Fountain Codes. IEEE Access, 2020, 8, 23110-23119.	2.6	5
149	IRS-Aided Physical Layer Network Slicing for URLLC and eMBB. IEEE Access, 2021, 9, 163086-163098.	2.6	5
150	On split FIR filtering in blind equalization. , 0, , .		4
151	On the influence of a CDMA cellular repeater in the capacity of a donor base station. , 2008, , .		4
152	Overlay Cognitive Radio with Multiple Secondaries and its Application to Wireless Mesh Networks. , 2009, , .		4
153	LDPC codes based on Progressive Edge Growth techniques for block fading channels. , 2011, , .		4
154	Cooperative partial retransmission scheme in incremental decode-and-forward relaying. Eurasip Journal on Wireless Communications and Networking, 2011, 2011, .	1.5	4
155	Enhanced performance of heterogeneous networks through full-duplex relaying. Eurasip Journal on Wireless Communications and Networking, 2012, 2012, .	1.5	4
156	Energy efficiency of some non-cooperative, cooperative and hybrid communication schemes in multi-relay WSNs. Wireless Networks, 2013, 19, 1769-1781.	2.0	4
157	Power-rate control with directional transmission and reception in a cognitive radio network. , 2014, , .		4
158	Using mobility for increasing the energy efficiency of multihop communications. , 2015, , .		4
159	Code rate, frequency and SNR optimization for energy efficient underwater acoustic communications. , 2015, , .		4
160	Hybrid Wired-Wireless Backhaul Solutions for Heterogeneous Ultra-Dense Networks. , 2018, , .		4
161	ICENET: An Information Centric Protocol for Big Data Wireless Sensor Networks. Sensors, 2019, 19, 930.	2.1	4
162	On the Sum-Rate of Contention Resolution in Massive MIMO With NOMA. IEEE Access, 2021, 9, 24965-24974.	2.6	4

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163	Multi-split least-mean-square adaptive generalized sidelobe canceller for narrowband beamforming. , 0, , .		3
164	Using hidden Markov models to improve performance of space-time codes in MIMO flat fast-fading channels. , 0, , .		3
165	A Dynamic Resource Allocation Scheme for Providing QoS in Packet-Switched Cellular Networks. Lecture Notes in Computer Science, 2005, , 117-126.	1.0	3
166	Performance of symbol-sampled receivers over unknown continuous-time Rayleigh channels. IEEE Transactions on Wireless Communications, 2005, 4, 2020-2026.	6.1	3
167	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.	3.9	3
168	Further results on convolutional codes based on a minimal trellis complexity measure. , 2006, , .		3
169	Novel hybrid ARQ scheme using LDPC codes and partial retransmissions. , 2009, , .		3
170	Type-I HARQ scheme using LDPC codes and partial retransmissions for AWGN and quasi static fading channels. , 2010, , .		3
171	Hybrid ARQ with Partial Retransmissions and LDPC codes and its Impact on TCP. IEEE Latin America Transactions, 2010, 8, 417-424.	1.2	3
172	Cooperative Coded Partial Retransmission scheme using Type-I HARQ and LDPC codes. , 2010, , .		3
173	Battery-aware energy efficiency of incremental decode-and-forward with relay selection. , 2012, , .		3
174	Energy efficiency of amplify-and-forward, repetition coding and parallel coding in short range communications. , 2012, , .		3
175	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.	1.6	3
176	A simple iterative positioning algorithm for client node localization in WLANs. Eurasip Journal on Wireless Communications and Networking, 2013, 2013, .	1.5	3
177	On the performance of network-coded cooperative communications with wireless energy transfer under a realistic power consumption model. , 2014, , .		3
178	Bandwidth expansion analog joint source-channel coding with channel inversion and multiple receive antennas. , 2014, , .		3
179	Energy-efficient MIMO multihop communications using the antenna selection scheme. , 2015, , .		3
180	Physical and MAC cross-layer analysis of energy-efficient MIMO networks. , 2016, , .		3

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181	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.	2.4	3
182	Insights on the resilience and capacity of AMI wireless networks. , 2016, , .		3
183	On the Optimization of Distributed Compression in Multirelay Cooperative Networks. <i>IEEE Transactions on Vehicular Technology</i> , 2016, 65, 2114-2128.	3.9	3
184	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.	2.6	3
185	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.	1.6	3
186	Minimization of Energy Consumption Per Bit Using an Average Dwell-Time Approach for Wireless Networked Control Systems. <i>IEEE Access</i> , 2019, 7, 81839-81848.	2.6	3
187	Energy Efficiency in Multiple Antenna Machine-Type Communications With Reconfigurable RF Transceivers. <i>IEEE Access</i> , 2019, 7, 113031-113042.	2.6	3
188	Area Energy Efficiency of Antenna Selection in Limited Feedback Device-to-Device Networks. <i>IEEE Wireless Communications Letters</i> , 2019, 8, 949-952.	3.2	3
189	LoRaWAN vs. 6TiSCH: Which one scales better?. <i>Computer Communications</i> , 2022, 184, 1-11.	3.1	3
190	A justification for the improved performance of the multi-split LMS algorithm. , 0, , .		2
191	An alternative approach to constructing the minimal trellis for linear block codes. , 2003, , .		2
192	Space-time convolutional codes over GF(p) achieving full 2-level diversity. , 0, , .		2
193	On the Performance of Turbo Codes in the Presence of Typical Power Line Asynchronous Impulsive Noise. , 0, , .		2
194	Hybrid ARQ Scheme Based on Recursive Convolutional Codes and Turbo Decoding. , 2007, , .		2
195	Generalized Punctured Convolutional Codes with Unequal Error Protection. <i>Eurasip Journal on Advances in Signal Processing</i> , 2008, 2008, .	1.0	2
196	A novel hybrid ARQ scheme using turbo codes and diversity combining. <i>AEU - International Journal of Electronics and Communications</i> , 2010, 64, 1078-1081.	1.7	2
197	On the energy efficiency of feedback-assisted network coding in multiuser cooperative systems. , 2012, , .		2
198	An optimal channel assignment strategy for WLANs using distributed optimization. , 2012, , .		2

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199	A computational complexity measure for trellis modules of convolutional codes. , 2013, , .		2
200	A Power Assignment Method for Multi-sink WSN with Outage Probability Constraints. , 2014, , .		2
201	A new computational decoding complexity measure of convolutional codes. Eurasip Journal on Advances in Signal Processing, 2014, 2014, .	1.0	2
202	On the physical layer security of analog joint source channel coding schemes. , 2015, , .		2
203	Modulation order optimization for energy efficient underwater acoustic communications. , 2016, , .		2
204	On the impact of HARQ on the throughput and energy efficiency using cross-layer analysis. , 2017, , .		2
205	Expected time to rendezvous in multi-hop cognitive radio networks. , 2017, , .		2
206	In-Band Pilot Overhead in Ultra-Reliable Low Latency Decode and Forward Relaying. , 2019, , .		2
207	On the performance of two-user full-duplex network-coded cooperation. International Journal of Communication Systems, 2019, 32, e3931.	1.6	2
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