

Jonathan Rodriguez

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.

211
papers

4,173
citations

33
h-index

58
g-index

237
ext. papers

5,577
ext. citations

4
avg, IF

6.12
L-index

#	Paper	IF	Citations
211	Transparent 2-Element 5G MIMO Antenna for Sub-6 GHz Applications. <i>Electronics (Switzerland)</i> , 2022 , 11, 251	2.6	3
210	UWB CPW fed 4-port connected ground MIMO antenna for sub-millimeter-wave 5G applications. <i>AEJ - Alexandria Engineering Journal</i> , 2022 , 61, 6645-6658	6.1	4
209	Wireless Electromagnetic Radiation Assessment Based on the Specific Absorption Rate (SAR): A Review Case Study. <i>Electronics (Switzerland)</i> , 2022 , 11, 511	2.6	2
208	Virtual Networking for Lowering Cost of Ownership 2022 , 331-369		
207	Drive Towards 6G 2022 , 3-35		0
206	Energy-Efficient RF for UDNs 2022 , 123-166		
205	Security for UDNs: A Step Toward 6G 2022 , 167-201		
204	Towards a Secure and Usable User Authentication for Mobile Passenger ID Devices for Land/Sea Border Control. <i>IEEE Access</i> , 2022 , 1-1	3.5	1
203	DECENT: Decentralized and Efficient Key Management to Secure Communication in Dense and Dynamic Environments. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2022 , 1-13	6.1	0
202	Machine Learning for DDoS Attack Detection in Industry 4.0 CPPSs. <i>Electronics (Switzerland)</i> , 2022 , 11, 602	2.6	3
201	Blockchain-Based Security Mechanisms for IoMT Edge Networks in IoMT-Based Healthcare Monitoring Systems.. <i>Sensors</i> , 2022 , 22,	3.8	6
200	A Hyperledger Fabric-based Blockchain Architecture to Secure IoT-based Health Monitoring Systems 2021 ,		1
199	A Privacy-Preserving User Authentication Mechanism for Smart City Mobile Apps 2021 ,		2
198	Risk-Based Adaptive User Authentication for Mobile Passenger ID Devices for Land/Sea Border Control 2021 ,		3
197	An Anomaly-Based Intrusion Detection System for Internet of Medical Things Networks. <i>Electronics (Switzerland)</i> , 2021 , 10, 2562	2.6	7
196	Theoretical Study of the Input Impedance and Electromagnetic Field Distribution of a Dipole Antenna Printed on an Electrical/Magnetic Uniaxial Anisotropic Substrate. <i>Electronics (Switzerland)</i> , 2021 , 10, 1050	2.6	6
195	3D Network Modeling for THz-Enabled Ultra-Fast Dense Networks: A 6G Perspective. <i>IEEE Communications Standards Magazine</i> , 2021 , 5, 84-90	3.3	5

194	Robust, Resilient and Reliable Architecture for V2X Communications. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2021 , 22, 4414-4430	6.1	4
193	On the Performance Analysis of IDLP and SpaceMac for Network Coding-Enabled Mobile Small Cells. <i>IEEE Communications Letters</i> , 2021 , 25, 407-411	3.8	
192	Continuous and smooth differentiator based on adaptive sliding mode control for a quad-rotor MAV. <i>Asian Journal of Control</i> , 2021 , 23, 661-672	1.7	6
191	Secure Virtual Mobile Small Cells: A Stepping Stone Toward 6G. <i>IEEE Communications Standards Magazine</i> , 2021 , 1-15	3.3	5
190	. <i>IEEE Transactions on Cloud Computing</i> , 2021 , 1-1	3.3	5
189	Generating Datasets for Anomaly-Based Intrusion Detection Systems in IoT and Industrial IoT Networks. <i>Sensors</i> , 2021 , 21,	3.8	8
188	DISTANT: DISTributed Trusted Authority-based key management for beyond 5G wireless mobile small cells. <i>Computer Communications</i> , 2021 , 176, 218-233	5.1	2
187	Ultra-Compact mm-Wave Monolithic IC Doherty Power Amplifier for Mobile Handsets. <i>Electronics (Switzerland)</i> , 2021 , 10, 2131	2.6	1
186	Effect analysis of the general complex reciprocal gyro-bianisotropic metamaterial medium on the input impedance of a printed dipole antenna. <i>AEJ - Alexandria Engineering Journal</i> , 2021 , 61, 3691-3691	6.1	2
185	. <i>IEEE Access</i> , 2021 , 9, 84910-84921	3.5	5
184	Multi-objective Hybrid Scheduler enabling Efficient Resource Management for 5G UDN 2020 ,		1
183	A New and Compact Wide-Band Microstrip Filter-Antenna Design for 2.4 GHz ISM Band and 4G Applications. <i>Electronics (Switzerland)</i> , 2020 , 9, 1084	2.6	10
182	Design of a Wide-Band Microstrip Filtering Antenna with Modified Shaped Slots and SIR Structure. <i>Inventions</i> , 2020 , 5, 11	2.9	5
181	Complex Bianisotropy Effect on the Propagation Constant of a Shielded Multilayered Coplanar Waveguide Using Improved Full Generalized Exponential Matrix Technique. <i>Electronics (Switzerland)</i> , 2020 , 9, 243	2.6	6
180	. <i>IEEE Access</i> , 2020 , 8, 23154-23168	3.5	14
179	IDLP: An Efficient Intrusion Detection and Location-Aware Prevention Mechanism for Network Coding-Enabled Mobile Small Cells. <i>IEEE Access</i> , 2020 , 8, 43863-43875	3.5	8
178	User Authentication and Authorization for Next Generation Mobile Passenger ID Devices for Land and Sea Border Control 2020 ,		2
177	Low-Profile and Closely Spaced Four-Element MIMO Antenna for Wireless Body Area Networks. <i>Electronics (Switzerland)</i> , 2020 , 9, 258	2.6	21

176	Resource Sharing and Task Offloading in IoT Fog Computing: A Contract-Learning Approach. <i>IEEE Transactions on Emerging Topics in Computational Intelligence</i> , 2020 , 4, 227-240	4.1	28
175	Lagrange modeling and navigation based on quaternion for controlling a micro AUV under perturbations. <i>Robotics and Autonomous Systems</i> , 2020 , 124, 103408	3.5	11
174	. <i>IEEE Network</i> , 2020 , 34, 70-76	11.4	10
173	A Survey on Security Threats and Countermeasures in Internet of Medical Things (IoMT). <i>Transactions on Emerging Telecommunications Technologies</i> , 2020 , e4049	1.9	18
172	Load-modulation technique without using quarter-wavelength transmission line. <i>IET Microwaves, Antennas and Propagation</i> , 2020 , 14, 1209-1215	1.6	2
171	Energy-Efficiency Maximization for D2D-Enabled UAV-Aided 5G Networks 2020 ,		2
170	A Varactor-Based Very Compact Tunable Filter with Wide Tuning Range for 4G and Sub-6 GHz 5G Communications. <i>Sensors</i> , 2020 , 20,	3.8	3
169	An Autonomous Host-Based Intrusion Detection System for Android Mobile Devices. <i>Mobile Networks and Applications</i> , 2020 , 25, 164-172	2.9	16
168	A Signature Scheme with Unlinkable-yet-Accountable Pseudonymity for Privacy-Preserving Crowdsensing. <i>IEEE Transactions on Mobile Computing</i> , 2020 , 19, 752-768	4.6	10
167	. <i>IEEE Access</i> , 2019 , 7, 111135-111144	3.5	53
166	2019 ,		1
165	Computation Resource Allocation and Task Assignment Optimization in Vehicular Fog Computing: A Contract-Matching Approach. <i>IEEE Transactions on Vehicular Technology</i> , 2019 , 68, 3113-3125	6.8	158
164	Mixed-coupling multi-function quint-wideband asymmetric stepped impedance resonator filter. <i>Microwave and Optical Technology Letters</i> , 2019 , 61, 1181-1184	1.2	7
163	. <i>IEEE Access</i> , 2019 , 7, 15612-15622	3.5	82
162	Generalized Hybrid Beamforming for Vehicular Connectivity Using THz Massive MIMO. <i>IEEE Transactions on Vehicular Technology</i> , 2019 , 68, 8372-8383	6.8	41
161	Millimetre-wave massive MIMO for cellular vehicle-to-infrastructure communication. <i>IET Intelligent Transport Systems</i> , 2019 , 13, 983-990	2.4	10
160	Dielectric resonator antenna with top loaded parasitic strip elements for dual-band operation. <i>Microwave and Optical Technology Letters</i> , 2019 , 61, 2134-2140	1.2	11
159	Key Management for Beyond 5G Mobile Small Cells: A Survey. <i>IEEE Access</i> , 2019 , 7, 59200-59236	3.5	28

158	Frequency and Pattern Reconfigurable Antenna for Emerging Wireless Communication Systems. <i>Electronics (Switzerland)</i> , 2019 , 8, 407	2.6	26
157	MM-Wave Phased Array Quasi-Yagi Antenna for the Upcoming 5G Cellular Communications. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 978	2.6	21
156	Unleash Narrowband Technologies for Industrial Internet of Things Services. <i>IEEE Network</i> , 2019 , 33, 16-22	11.4	3
155	Cross-Layer Resource Allocation for Multihop V2X Communications. <i>Wireless Communications and Mobile Computing</i> , 2019 , 2019, 1-16	1.9	7
154	Millimeter Wave Antenna Design for 5G Applications 2019 , 139-156		3
153	Terahertz-Enabled Wireless System for Beyond-5G Ultra-Fast Networks: A Brief Survey. <i>IEEE Network</i> , 2019 , 33, 89-95	11.4	64
152	Terahertz Massive MIMO for Beyond-5G Wireless Communication 2019 ,		14
151	Characterization of Different Sources of Human MSCs Expanded in Serum-Free Conditions with Quantification of Chondrogenic Induction in 3D. <i>Stem Cells International</i> , 2019 , 2019, 2186728	5	19
150	. <i>IEEE Transactions on Cognitive Communications and Networking</i> , 2019 , 5, 595-607	6.6	60
149	Robust Task Offloading for IoT Fog Computing Under Information Asymmetry and Information Uncertainty 2019 ,		7
148	A Survey on RF and Microwave Doherty Power Amplifier for Mobile Handset Applications. <i>Electronics (Switzerland)</i> , 2019 , 8, 717	2.6	7
147	Joint rate control and power allocation for low-latency reliable D2D-based relay network. <i>Eurasip Journal on Wireless Communications and Networking</i> , 2019 , 2019,	3.2	4
146	Towards a Converged Optical-Wireless Fronthaul/Backhaul Solution for 5G Networks and Beyond 2019 , 1-29		4
145	Energy Efficiency in the Cloud Radio Access Network (C-RAN) for 5G Mobile Networks 2019 , 225-248		4
144	Enabling VLC and WiFi Network Technologies and Architectures Toward 5G 2019 , 101-122		3
143	A distance-sensitive distributed repulsive sleeping approach for dependable coverage in heterogeneous cellular networks. <i>Transactions on Emerging Telecommunications Technologies</i> , 2019 , 30, e3784	1.9	4
142	A Compact Semi-Circular and Arc-Shaped Slot Antenna for Heterogeneous RF Front-Ends. <i>Electronics (Switzerland)</i> , 2019 , 8, 1123	2.6	10
141	Perspectives for 5G Network Sharing for Mobile Small Cells. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2019 , 377-386	0.2	1

140	Key Management for Secure Network Coding-Enabled Mobile Small Cells. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2019 , 327-336	0.2	1
139	Design of Asymmetrical Doherty GaN HEMT Power Amplifiers for 4G Applications. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2019 , 455-465 ^{0.2}		
138	Fast Statistical Modelling of Temperature Variation on 28 nm FDSOI Technology. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2019 , 289-298 ^{0.2}		
137	Towards an Autonomous Host-Based Intrusion Detection System for Android Mobile Devices. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2019 , 139-148	0.2	5
136	Machine Learning to Automate Network Segregation for Enhanced Security in Industry 4.0. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2019 , 149-158	0.2	3
135	Security Threats in Network Coding-Enabled Mobile Small Cells. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2019 , 337-346	0.2	3
134	Two Time-Scale Resource Allocation in Hybrid Energy Powering 5G Wireless System 2019 ,		3
133	Antenna for Ultra-Wideband Applications With Non-Uniform Defected Ground Plane and Offset Aperture-Coupled Cylindrical Dielectric Resonators. <i>IEEE Access</i> , 2019 , 7, 166776-166787	3.5	1
132	. <i>IEEE Transactions on Computational Social Systems</i> , 2019 , 6, 1467-1477	4.5	14
131	A Location-aware IDPS scheme for Network Coding-enabled Mobile Small Cells 2019 ,		6
130	Distributed Trusted Authority-based Key Management for Beyond 5G Network Coding-enabled Mobile Small Cells 2019 ,		3
129	Advancement of a Highly Efficient Class-F power Amplifier for 5G Doherty Architectures 2019 ,		1
128	A Lightweight Authentication Mechanism for M2M Communications in Industrial IoT Environment. <i>IEEE Internet of Things Journal</i> , 2019 , 6, 288-296	10.7	115
127	Insole Optical Fiber Sensor Architecture for Remote Gait Analysis: An e-Health Solution. <i>IEEE Internet of Things Journal</i> , 2019 , 6, 207-214	10.7	45
126	A privacy-enhanced OAuth 2.0 based protocol for Smart City mobile applications. <i>Computers and Security</i> , 2018 , 74, 258-274	4.9	11
125	Millimeter-Wave Massive MIMO Communication for Future Wireless Systems: A Survey. <i>IEEE Communications Surveys and Tutorials</i> , 2018 , 20, 836-869	37.1	267
124	Dependable Content Distribution in D2D-Based Cooperative Vehicular Networks: A Big Data-Integrated Coalition Game Approach. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2018 , 19, 953-964	6.1	109
123	Social Big-Data-Based Content Dissemination in Internet of Vehicles. <i>IEEE Transactions on Industrial Informatics</i> , 2018 , 14, 768-777	11.9	144

122	A survey of 5G technologies: regulatory, standardization and industrial perspectives. <i>Digital Communications and Networks</i> , 2018 , 4, 87-97	5.9	121
121	When Mobile Crowd Sensing Meets UAV: Energy-Efficient Task Assignment and Route Planning. <i>IEEE Transactions on Communications</i> , 2018 , 66, 5526-5538	6.9	150
120	. <i>IEEE Network</i> , 2018 , 32, 54-60	11.4	261
119	5G Millimeter-Wave Mobile Broadband: Performance and Challenges 2018 , 56, 137-143		49
118	Implementation of a Pseudonym-Based Signature Scheme with Bilinear Pairings on Android. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2018 , 75-87	0.2	
117	Performance of Dual-Band Balanced Antenna Structure for LTE Applications 2018 , 245-262		
116	5G D2D Networks: Techniques, Challenges, and Future Prospects. <i>IEEE Systems Journal</i> , 2018 , 12, 3970-3984	4.9	160
115	Energy-Aware Wearable E-Health Architecture Using Optical FBG Sensors for Knee Kinematic Monitoring 2018 ,		10
114	Vehicular Communications: Standardization and Open Issues. <i>IEEE Communications Standards Magazine</i> , 2018 , 2, 74-80	3.3	48
113	Adaptive Resource Allocation for Energy-Efficient Millimeter-Wave Massive MIMO Networks 2018 ,		2
112	Internet of Things Task Scheduling in Cloud Environment Using Particle Swarm Optimization 2018 ,		3
111	Optimal Array size for Multiuser MIMO 2018 ,		1
110	Analysis and Enhancement of Platoon Management in Smart City 2018 ,		2
109	Physical-layer entity authentication scheme for mobile MIMO systems. <i>IET Communications</i> , 2018 , 12, 712-718	1.3	6
108	Energy efficiency optimization for downlink OFDMA system in heterogeneous network with QoS constraints. <i>International Journal of Communication Systems</i> , 2017 , 30, e2969	1.7	2
107	Context-aware cooperative testbed for energy analysis in beyond 4G networks. <i>Telecommunication Systems</i> , 2017 , 64, 225-244	2.3	6
106	Insole optical fiber Bragg grating sensors network for dynamic vertical force monitoring. <i>Journal of Biomedical Optics</i> , 2017 , 22, 91507	3.5	44
105	Massive Internet of Things for Industrial Applications: Addressing Wireless IIoT Connectivity Challenges and Ecosystem Fragmentation. <i>IEEE Industrial Electronics Magazine</i> , 2017 , 11, 28-33	6.2	179

104	Enhanced C-RAN Using D2D Network 2017 , 55, 100-107		45
103	Spatial Interpolated Lookup Tables (LUTs) Models for Ergodic Capacity of MIMO FSO Systems. <i>IEEE Photonics Technology Letters</i> , 2017 , 29, 583-586	2.2	18
102	Energy-aware relay selection in cooperative wireless networks: An assignment game approach. <i>Ad Hoc Networks</i> , 2017 , 56, 96-108	4.8	16
101	Energy-efficient game-theoretical random access for M2M communications in overlapped cellular networks. <i>Computer Networks</i> , 2017 , 129, 493-501	5.4	8
100	Towards a secure network architecture for smart grids in 5G era 2017 ,		16
99	A Physical-Layer Security Scheme by Phase-Based Adaptive Modulation. <i>IEEE Transactions on Vehicular Technology</i> , 2017 , 66, 9931-9942	6.8	30
98	Mobile caching-enabled small-cells for delay-tolerant e-Health apps 2017 ,		13
97	An efficient homomorphic MAC-based scheme against data and tag pollution attacks in network coding-enabled wireless networks. <i>International Journal of Information Security</i> , 2017 , 16, 627-639	2.8	24
96	Transmission Capacity Analysis of Relay-Assisted Device-to-Device Overlay/Underlay Communication. <i>IEEE Transactions on Industrial Informatics</i> , 2017 , 13, 380-389	11.9	43
95	System-Level Performance Evaluation for 5G mmWave Cellular Network 2017 ,		7
94	An IoT-Based E-Health Monitoring System Using ECG Signal 2017 ,		39
93	SECRET Secure network coding for reduced energy next generation mobile small cells: A European Training Network in wireless communications and networking for 5G 2017 ,		40
92	Evaluation of Three Devices for the Isolation of the Stromal Vascular Fraction from Adipose Tissue and for ASC Culture: A Comparative Study. <i>Stem Cells International</i> , 2017 , 2017, 9289213	5	24
91	Joint Relay Selection and Resource Allocation for Energy-Efficient D2D Cooperative Communications Using Matching Theory. <i>Applied Sciences (Switzerland)</i> , 2017 , 7, 491	2.6	20
90	Mobile traffic modelling for wireless multimedia sensor networks in IoT. <i>Computer Communications</i> , 2017 , 112, 109-115	5.1	11
89	An OAuth2-based protocol with strong user privacy preservation for smart city mobile e-Health apps 2016 ,		13
88	One Integrated Energy Efficiency Proposal for 5G IoT Communications. <i>IEEE Internet of Things Journal</i> , 2016 , 3, 1346-1354	10.7	69
87	Miniaturized dual-band balanced antenna for LTE using meander lines 2016 ,		2

86	A Cognitive Self-Organising Clustering Algorithm for Urban Scenarios. <i>Wireless Personal Communications</i> , 2016 , 90, 1763-1798	1.9	1
85	An efficient MAC-based scheme against pollution attacks in XOR network coding-enabled WBANs for remote patient monitoring systems. <i>Eurasip Journal on Wireless Communications and Networking</i> , 2016 , 2016,	3.2	7
84	Dual-band printed folded dipole balanced antenna for 700/2600MHz LTE bands 2016 ,		3
83	An Overview of 4G System-Level Energy-Efficiency Performance. <i>Studies in Systems, Decision and Control</i> , 2016 , 45-64	0.8	
82	Towards 5G: Context Aware Resource Allocation for Energy Saving. <i>Journal of Signal Processing Systems</i> , 2016 , 83, 279-291	1.4	12
81	Communication Haul Design for 5G Radio: Challenges and Open Issues 2016 , 57-67		1
80	WiFi in Licensed Band. <i>IEEE Communications Letters</i> , 2016 , 20, 1655-1658	3.8	5
79	2016 ,		2
78	Integrating energy efficiency analysis of massive MIMO-based C-RAN. <i>Eurasip Journal on Wireless Communications and Networking</i> , 2016 , 2016,	3.2	3
77	. <i>IEEE Access</i> , 2016 , 4, 2331-2339	3.5	29
76	An autonomous privacy-preserving authentication scheme for intelligent transportation systems. <i>Computers and Security</i> , 2016 , 60, 193-205	4.9	42
75	Energy-efficient interference management in LTE-D2D communication. <i>IET Signal Processing</i> , 2016 , 10, 197-202	1.7	23
74	An Efficient Null Space-Based Homomorphic MAC Scheme Against Tag Pollution Attacks in RLNC. <i>IEEE Communications Letters</i> , 2016 , 20, 918-921	3.8	21
73	A C-RAN Approach for 5G Applications 2016 , 9-28		
72	Security Challenges for Cloud Radio Access Networks 2016 , 195-211		9
71	Drivers for 5G 2015 , 1-27		10
70	The 5G Internet 2015 , 29-62		6
69	Security for 5G Communications 2015 , 207-220		35

68	Green Flexible RF for 5G 2015 , 241-272		4
67	Security concerns and countermeasures in network coding based communication systems: A survey. <i>Computer Networks</i> , 2015 , 83, 422-445	5.4	18
66	Efficient privacy preserving security protocol for VANETs with sparse infrastructure deployment 2015 ,		4
65	. <i>IEEE Transactions on Vehicular Technology</i> , 2015 , 64, 4670-4683	6.8	69
64	Energy efficient load balancing for future self-organized shared networks. <i>Telecommunication Systems</i> , 2015 , 59, 123-135	2.3	
63	Cooperative Strategies for End-to-End Energy Saving and QoS Control 2015 , 135-161		1
62	Effect of Tithonia diversifolia mulch on Atta cephalotes (Hymenoptera: Formicidae) nests. <i>Journal of Insect Science</i> , 2015 , 15,	2	4
61	Empirical modelling of FDSOI CMOS inverter for signal/power integrity simulation 2015 ,		7
60	Energy efficiency of downlink packet scheduling in CoMP. <i>Transactions on Emerging Telecommunications Technologies</i> , 2015 , 26, 131-146	1.9	10
59	CANDi: context-aware node discovery for short-range cooperation. <i>Transactions on Emerging Telecommunications Technologies</i> , 2015 , 26, 861-875	1.9	9
58	Lightweight security against combined IE and SSDF attacks in cooperative spectrum sensing for cognitive radio networks. <i>Security and Communication Networks</i> , 2015 , 8, 3978-3994	1.9	9
57	2015 ,		5
56	Analysis of a Homomorphic MAC-based scheme against tag pollution in RLNC-enabled wireless networks 2015 ,		3
55	Game-theoretic based scheduling for demand-side management in 5G smart grids 2015 ,		7
54	Dual-Homomorphic Message Authentication Code Scheme for Network Coding-Enabled Wireless Sensor Networks. <i>International Journal of Distributed Sensor Networks</i> , 2015 , 11, 510251	1.7	23
53	Analysis of the Impact of Denial of Service Attacks on Centralized Control in Smart Cities. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2015 , 91-96	0.2	4
52	Cooperative Paradigm for Energy Saving. <i>Signals and Communication Technology</i> , 2015 , 115-140	0.5	
51	A novel energy efficient packet-scheduling algorithm for CoMP. <i>Computer Communications</i> , 2014 , 50, 53-63	5.1	6

50	Smart Direct-LTE communication: An energy saving perspective. <i>Ad Hoc Networks</i> , 2014 , 13, 296-311	4.8	38
49	Game theory and pricing strategies for demand-side management in the smart grid 2014 ,		16
48	Direct mobile-to-mobile communication: Paradigm for 5G. <i>IEEE Wireless Communications</i> , 2014 , 21, 14-23	3.4	124
47	Energy efficient interference-aware resource allocation in LTE-D2D communication 2014 ,		28
46	Coordinated paradigm for D2D communications 2014 ,		5
45	An efficient MAC-signature scheme for authentication in XOR network coding 2014 ,		2
44	2014 ,		5
43	Secure device-to-device communication in LTE-A 2014 , 52, 66-73		60
42	Coalitional relay selection game to extend battery lifetime of multi-standard mobile terminals 2014 ,		4
41	Formal Specification of the Assurance Point Web Service Composition Model. <i>International Journal of Cooperative Information Systems</i> , 2014 , 23, 1450007	0.6	
40	A coalitional game-theoretic approach to isolate selfish nodes in multihop cellular networks 2014 ,		1
39	2014 ,		5
38	Jointly padding for subspace orthogonality against tag pollution 2014 ,		3
37	Energy Efficient and Load Balanced Routing for Wireless Multihop Network Applications. <i>International Journal of Distributed Sensor Networks</i> , 2014 , 10, 927659	1.7	7
36	A cognitive approach for stable cooperative group formation in mobile environments 2014 ,		3
35	Compact and closely spaced tunable printed F-slot multiple-input-multiple-output antenna system for portable wireless applications with efficient diversity. <i>IET Science, Measurement and Technology</i> , 2014 , 8, 359-369	1.5	2
34	Combination of a geolocation database access with infrastructure sensing in TV bands. <i>Eurasip Journal on Wireless Communications and Networking</i> , 2014 , 2014,	3.2	8
33	Green Wireless Internet Technology. <i>IET Science, Measurement and Technology</i> , 2014 , 8, 337-341	1.5	

32	Use of negative information in positioning and tracking algorithms. <i>Telecommunication Systems</i> , 2013 , 53, 285-298	2.3	2
31	Coalition formation game toward green mobile terminals in heterogeneous wireless networks. <i>IEEE Wireless Communications</i> , 2013 , 20, 85-91	13.4	45
30	Energy efficiency performance of WiFi/WiMedia relaying in hybrid ad-hoc networks 2013 ,		7
29	TV white spaces exploitation through a bicameral geo-location database. <i>Telecommunications Policy</i> , 2013 , 37, 116-129	4	9
28	Self organized energy efficient position aided relays in LTEA. <i>Physical Communication</i> , 2013 , 7, 30-43	2.2	7
27	Network Coding Theory: A Survey. <i>IEEE Communications Surveys and Tutorials</i> , 2013 , 15, 1950-1978	37.1	77
26	On the Trade-Off Between Security and Energy Efficiency in Cooperative Spectrum Sensing for Cognitive Radio. <i>IEEE Communications Letters</i> , 2013 , 17, 1564-1567	3.8	35
25	A cross-layer resource over-provisioning architecture for P2P networks 2013 ,		1
24	Energy and Throughput Analysis of Reservation Protocols of Wi Media MAC. <i>Journal of Green Engineering (discontinued)</i> , 2013 , 3, 363-382		4
23	Cooperative Strategies for Power Saving in Multi-standard Wireless Devices. <i>Lecture Notes in Computer Science</i> , 2013 , 284-296	0.9	2
22	. <i>IEEE Wireless Communications</i> , 2012 , 19, 59-66	13.4	18
21	2012 ,		6
20	Moblist: A signal strength based clustering algorithm for ordered mobile scenarios 2012 ,		1
19	Energy saving in multi-standard mobile terminals through short-range cooperation. <i>Eurasip Journal on Wireless Communications and Networking</i> , 2012 , 2012,	3.2	18
18	Energy Efficient and Scalable Routing Protocol for Extreme Emergency Ad Hoc Communications. <i>Mobile Networks and Applications</i> , 2012 , 17, 312-324	2.9	17
17	Comparison of energy-efficiency in bits per joule on different downlink CoMP techniques 2012 ,		10
16	Context Parameter Prediction to Prolong Mobile Terminal Battery Life. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2012 , 476-489	0.2	4
15	Developing Tools for Parsing ns-2 Results: IEEE802.21 Case Scenario. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2012 , 347-358	0.2	

14	Energy Efficient and Scalable Routing Protocol for Extreme Emergency Ad Hoc Communications. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2012 , 397-412	0.2
13	E2DSR: Preliminary Implementation Results and Performance Evaluation of an Energy Efficient Routing Protocol for Wireless Ad Hoc Networks. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2012 , 151-165	0.2
12	A Novel Relay Selection Game in Cooperative Wireless Networks Based on Combinatorial Optimization 2011 ,	10
11	GREENET - An Early Stage Training Network in Enabling Technologies for Green Radio 2011 ,	8
10	Elements of Efficient TV White Space Allocation Part II 2011 , 401-420	
9	Simulation of 802.21 Handovers Using ns-2. <i>Journal of Computer Systems, Networks, and Communications</i> , 2010 , 2010, 1-11	21
8	2010 ,	3
7	Design of energy efficient power amplifier for 4G user terminals 2010 ,	3
6	An Energy Efficient Flat Routing Protocol for Wireless Ad Hoc Networks 2010 ,	3
5	Cognitive mobility management in heterogeneous networks 2010 ,	8
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