Jonathan Rodriguez

List of Publications by Citations

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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	Millimeter-Wave Massive MIMO Communication for Future Wireless Systems: A Survey. *IEEE Communications Surveys and Tutorials*, **2018**, 20, 836-869	37.1	267
210	. *IEEE Network*, **2018**, 32, 54-60	11.4	261
209	Massive Internet of Things for Industrial Applications: Addressing Wireless IIoT Connectivity Challenges and Ecosystem Fragmentation. *IEEE Industrial Electronics Magazine*, **2017**, 11, 28-33	6.2	179
208	5G D2D Networks: Techniques, Challenges, and Future Prospects. *IEEE Systems Journal*, **2018**, 12, 3970-3984	4.9	160
207	Computation Resource Allocation and Task Assignment Optimization in Vehicular Fog Computing: A Contract-Matching Approach. *IEEE Transactions on Vehicular Technology*, **2019**, 68, 3113-3125	6.8	158
206	When Mobile Crowd Sensing Meets UAV: Energy-Efficient Task Assignment and Route Planning. *IEEE Transactions on Communications*, **2018**, 66, 5526-5538	6.9	150
205	Social Big-Data-Based Content Dissemination in Internet of Vehicles. *IEEE Transactions on Industrial Informatics*, **2018**, 14, 768-777	11.9	144
204	Direct mobile-to-mobile communication: Paradigm for 5G. *IEEE Wireless Communications*, **2014**, 21, 14-23	13.4	124
203	A survey of 5G technologies: regulatory, standardization and industrial perspectives. *Digital Communications and Networks*, **2018**, 4, 87-97	5.9	121
202	A Lightweight Authentication Mechanism for M2M Communications in Industrial IoT Environment. *IEEE Internet of Things Journal*, **2019**, 6, 288-296	10.7	115
201	Dependable Content Distribution in D2D-Based Cooperative Vehicular Networks: A Big Data-Integrated Coalition Game Approach. *IEEE Transactions on Intelligent Transportation Systems*, **2018**, 19, 953-964	6.1	109
200	. *IEEE Access*, **2019**, 7, 15612-15622	3.5	82
199	Network Coding Theory: A Survey. *IEEE Communications Surveys and Tutorials*, **2013**, 15, 1950-1978	37.1	77
198	. *IEEE Transactions on Vehicular Technology*, **2015**, 64, 4670-4683	6.8	69
197	One Integrated Energy Efficiency Proposal for 5G IoT Communications. *IEEE Internet of Things Journal*, **2016**, 3, 1346-1354	10.7	69
196	Terahertz-Enabled Wireless System for Beyond-5G Ultra-Fast Networks: A Brief Survey. *IEEE Network*, **2019**, 33, 89-95	11.4	64
195	. *IEEE Transactions on Cognitive Communications and Networking*, **2019**, 5, 595-607	6.6	60

194	Secure device-to-device communication in LTE-A **2014**, 52, 66-73		60
193	. *IEEE Access*, **2019**, 7, 111135-111144	3.5	53
192	5G Millimeter-Wave Mobile Broadband: Performance and Challenges **2018**, 56, 137-143		49
191	Vehicular Communications: Standardization and Open Issues. *IEEE Communications Standards Magazine*, **2018**, 2, 74-80	3.3	48
190	Enhanced C-RAN Using D2D Network **2017**, 55, 100-107		45
189	Coalition formation game toward green mobile terminals in heterogeneous wireless networks. *IEEE Wireless Communications*, **2013**, 20, 85-91	13.4	45
188	Insole Optical Fiber Sensor Architecture for Remote Gait Analysis An e-Health Solution. *IEEE Internet of Things Journal*, **2019**, 6, 207-214	10.7	45
187	Insole optical fiber Bragg grating sensors network for dynamic vertical force monitoring. *Journal of Biomedical Optics*, **2017**, 22, 91507	3.5	44
186	Transmission Capacity Analysis of Relay-Assisted Device-to-Device Overlay/Underlay Communication. *IEEE Transactions on Industrial Informatics*, **2017**, 13, 380-389	11.9	43
185	An autonomous privacy-preserving authentication scheme for intelligent transportation systems. *Computers and Security*, **2016**, 60, 193-205	4.9	42
184	Generalized Hybrid Beamforming for Vehicular Connectivity Using THz Massive MIMO. *IEEE Transactions on Vehicular Technology*, **2019**, 68, 8372-8383	6.8	41
183	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
182	An IoT-Based E-Health Monitoring System Using ECG Signal **2017**,		39
181	Smart Direct-LTE communication: An energy saving perspective. *Ad Hoc Networks*, **2014**, 13, 296-311	4.8	38
180	Security for 5G Communications **2015**, 207-220		35
179	On the Trade-Off Between Security and Energy Efficiency in Cooperative Spectrum Sensing for Cognitive Radio. *IEEE Communications Letters*, **2013**, 17, 1564-1567	3.8	35
178	A Physical-Layer Security Scheme by Phase-Based Adaptive Modulation. *IEEE Transactions on Vehicular Technology*, **2017**, 66, 9931-9942	6.8	30
177	. *IEEE Access*, **2016**, 4, 2331-2339	3.5	29

176	Key Management for Beyond 5G Mobile Small Cells: A Survey. *IEEE Access*, **2019**, 7, 59200-59236	3.5	28
175	Energy efficient interference-aware resource allocation in LTE-D2D communication **2014**,		28
174	Resource Sharing and Task Offloading in IoT Fog Computing: A Contract-Learning Approach. *IEEE Transactions on Emerging Topics in Computational Intelligence*, **2020**, 4, 227-240	4.1	28
173	Frequency and Pattern Reconfigurable Antenna for Emerging Wireless Communication Systems. *Electronics (Switzerland)*, **2019**, 8, 407	2.6	26
172	An efficient homomorphic MAC-based scheme against data and tag pollution attacks in network coding-enabled wireless networks. *International Journal of Information Security*, **2017**, 16, 627-639	2.8	24
171	Evaluation of Three Devices for the Isolation of the Stromal Vascular Fraction from Adipose Tissue and for ASC Culture: A Comparative Study. *Stem Cells International*, **2017**, 2017, 9289213	5	24
170	Dual-Homomorphic Message Authentication Code Scheme for Network Coding-Enabled Wireless Sensor Networks. *International Journal of Distributed Sensor Networks*, **2015**, 11, 510251	1.7	23
169	Energy-efficient interference management in LTE-D2D communication. *IET Signal Processing*, **2016**, 10, 197-202	1.7	23
168	MM-Wave Phased Array Quasi-Yagi Antenna for the Upcoming 5G Cellular Communications. *Applied Sciences (Switzerland)*, **2019**, 9, 978	2.6	21
167	Simulation of 802.21 Handovers Using ns-2. *Journal of Computer Systems, Networks, and Communications*, **2010**, 2010, 1-11		21
166	Low-Profile and Closely Spaced Four-Element MIMO Antenna for Wireless Body Area Networks. *Electronics (Switzerland)*, **2020**, 9, 258	2.6	21
165	An Efficient Null Space-Based Homomorphic MAC Scheme Against Tag Pollution Attacks in RLNC. *IEEE Communications Letters*, **2016**, 20, 918-921	3.8	21
164	Joint Relay Selection and Resource Allocation for Energy-Efficient D2D Cooperative Communications Using Matching Theory. *Applied Sciences (Switzerland)*, **2017**, 7, 491	2.6	20
163	Characterization of Different Sources of Human MSCs Expanded in Serum-Free Conditions with Quantification of Chondrogenic Induction in 3D. *Stem Cells International*, **2019**, 2019, 2186728	5	19
162	Spatial Interpolated Lookup Tables (LUTs) Models for Ergodic Capacity of MIMO FSO Systems. *IEEE Photonics Technology Letters*, **2017**, 29, 583-586	2.2	18
161	Security concerns and countermeasures in network coding based communication systems: A survey. *Computer Networks*, **2015**, 83, 422-445	5.4	18
160	. *IEEE Wireless Communications*, **2012**, 19, 59-66	13.4	18
159	Energy saving in multi-standard mobile terminals through short-range cooperation. *Eurasip Journal on Wireless Communications and Networking*, **2012**, 2012,	3.2	18

158	A Survey on Security Threats and Countermeasures in Internet of Medical Things (IoMT). *Transactions on Emerging Telecommunications Technologies*, **2020**, e4049	1.9	18
157	Energy Efficient and Scalable Routing Protocol for Extreme Emergency Ad Hoc Communications. *Mobile Networks and Applications*, **2012**, 17, 312-324	2.9	17
156	Energy-aware relay selection in cooperative wireless networks: An assignment game approach. *Ad Hoc Networks*, **2017**, 56, 96-108	4.8	16
155	Game theory and pricing strategies for demand-side management in the smart grid **2014**,		16
154	Towards a secure network architecture for smart grids in 5G era **2017**,		16
153	An Autonomous Host-Based Intrusion Detection System for Android Mobile Devices. *Mobile Networks and Applications*, **2020**, 25, 164-172	2.9	16
152	A middleware architecture supporting seamless and secure multimedia services across an intertechnology radio access network. *IEEE Wireless Communications*, **2009**, 16, 24-31	13.4	15
151	. *IEEE Access*, **2020**, 8, 23154-23168	3.5	14
150	Terahertz Massive MIMO for Beyond-5G Wireless Communication **2019**,		14
149	. *IEEE Transactions on Computational Social Systems*, **2019**, 6, 1467-1477	4.5	14
148	An OAuth2-based protocol with strong user privacy preservation for smart city mobile e-Health apps **2016**,		13
147	Mobile caching-enabled small-cells for delay-tolerant e-Health apps **2017**,		13
146	Towards 5G: Context Aware Resource Allocation for Energy Saving. *Journal of Signal Processing Systems*, **2016**, 83, 279-291	1.4	12
145	Dielectric resonator antenna with top loaded parasitic strip elements for dual-band operation. *Microwave and Optical Technology Letters*, **2019**, 61, 2134-2140	1.2	11
144	A privacy-enhanced OAuth 2.0 based protocol for Smart City mobile applications. *Computers and Security*, **2018**, 74, 258-274	4.9	11
143	Mobile traffic modelling for wireless multimedia sensor networks in IoT. *Computer Communications*, **2017**, 112, 109-115	5.1	11
142	Lagrange modeling and navigation based on quaternion for controlling a micro AUV under perturbations. *Robotics and Autonomous Systems*, **2020**, 124, 103408	3.5	11
141	Millimetre-wave massive MIMO for cellular vehicle-to-infrastructure communication. *IET Intelligent Transport Systems*, **2019**, 13, 983-990	2.4	10

140	Drivers for 5G **2015**, 1-27		10
139	A New and Compact Wide-Band Microstrip Filter-Antenna Design for 2.4 GHz ISM Band and 4G Applications. *Electronics (Switzerland)*, **2020**, 9, 1084	2.6	10
138	A Compact Semi-Circular and Arc-Shaped Slot Antenna for Heterogeneous RF Front-Ends. *Electronics (Switzerland)*, **2019**, 8, 1123	2.6	10
137	Energy efficiency of downlink packet scheduling in CoMP. *Transactions on Emerging Telecommunications Technologies*, **2015**, 26, 131-146	1.9	10
136	A Novel Relay Selection Game in Cooperative Wireless Networks Based on Combinatorial Optimization **2011**,		10
135	Comparison of energy-efficiency in bits per joule on different downlink CoMP techniques **2012**,		10
134	. *IEEE Network*, **2020**, 34, 70-76	11.4	10
133	A Signature Scheme with Unlinkable-yet-Accountable Pseudonymity for Privacy-Preserving Crowdsensing. *IEEE Transactions on Mobile Computing*, **2020**, 19, 752-768	4.6	10
132	Energy-Aware Wearable E-Health Architecture Using Optical FBG Sensors for Knee Kinematic Monitoring **2018**,		10
131	TV white spaces exploitation through a bicameral geo-location database. *Telecommunications Policy* , **2013**, 37, 116-129	4	9
130	CANDi: context-aware node discovery for short-range cooperation. *Transactions on Emerging Telecommunications Technologies*, **2015**, 26, 861-875	1.9	9
129	Lightweight security against combined IE and SSDF attacks in cooperative spectrum sensing for cognitive radio networks. *Security and Communication Networks*, **2015**, 8, 3978-3994	1.9	9
128	Security Challenges for Cloud Radio Access Networks **2016**, 195-211		9
127	IDLP: An Efficient Intrusion Detection and Location-Aware Prevention Mechanism for Network Coding-Enabled Mobile Small Cells. *IEEE Access*, **2020**, 8, 43863-43875	3.5	8
126	Energy-efficient game-theoretical random access for M2M communications in overlapped cellular networks. *Computer Networks*, **2017**, 129, 493-501	5.4	8
125	Combination of a geolocation database access with infrastructure sensing in TV bands. *Eurasip Journal on Wireless Communications and Networking*, **2014**, 2014,	3.2	8
124	GREENET - An Early Stage Training Network in Enabling Technologies for Green Radio **2011**,		8
123	Cognitive mobility management in heterogeneous networks **2010**,		8

122	Generating Datasets for Anomaly-Based Intrusion Detection Systems in IoT and Industrial IoT Networks. *Sensors*, **2021**, 21,	3.8	8
121	Mixed-coupling multi-function quint-wideband asymmetric stepped impedance resonator filter. *Microwave and Optical Technology Letters*, **2019**, 61, 1181-1184	1.2	7
120	An efficient MAC-based scheme against pollution attacks in XOR network coding-enabled WBANs for remote patient monitoring systems. *Eurasip Journal on Wireless Communications and Networking*, **2016**, 2016,	3.2	7
119	Cross-Layer Resource Allocation for Multihop V2X Communications. *Wireless Communications and Mobile Computing*, **2019**, 2019, 1-16	1.9	7
118	Robust Task Offloading for IoT Fog Computing Under Information Asymmetry and Information Uncertainty **2019**,		7
117	A Survey on RF and Microwave Doherty Power Amplifier for Mobile Handset Applications. *Electronics (Switzerland)*, **2019**, 8, 717	2.6	7
116	Energy efficiency performance of WiFi/WiMedia relaying in hybrid ad-hoc networks **2013**,		7
115	Self organized energy efficient position aided relays in LTEA. *Physical Communication*, **2013**, 7, 30-43	2.2	7
114	System-Level Performance Evaluation for 5G mmWave Cellular Network **2017**,		7
113	Empirical modelling of FDSOI CMOS inverter for signal/power integrity simulation **2015**,		7
112	Game-theoretic based scheduling for demand-side management in 5G smart grids **2015**,		7
111	Energy Efficient and Load Balanced Routing for Wireless Multihop Network Applications. *International Journal of Distributed Sensor Networks*, **2014**, 10, 927659	1.7	7
110	An Anomaly-Based Intrusion Detection System for Internet of Medical Things Networks. *Electronics (Switzerland)*, **2021**, 10, 2562	2.6	7
109	Context-aware cooperative testbed for energy analysis in beyond 4G networks. *Telecommunication Systems*, **2017**, 64, 225-244	2.3	6
108	The 5G Internet **2015**, 29-62		6
107	Complex Bianisotropy Effect on the Propagation Constant of a Shielded Multilayered Coplanar Waveguide Using Improved Full Generalized Exponential Matrix Technique. *Electronics (Switzerland)*, **2020**, 9, 243	2.6	6
106	A novel energy efficient packet-scheduling algorithm for CoMP. *Computer Communications*, **2014**, 50, 53-63	5.1	6
105	**2012**,		6

104	A load balanced aware routing protocol for wireless ad hoc networks **2009**,		6
103	Theoretical Study of the Input Impedance and Electromagnetic Field Distribution of a Dipole Antenna Printed on an Electrical/Magnetic Uniaxial Anisotropic Substrate. *Electronics (Switzerland)*, **2021**, 10, 1050	2.6	6
102	A Location-aware IDPS scheme for Network Coding-enabled Mobile Small Cells **2019**,		6
101	Continuous and smooth differentiator based on adaptive sliding mode control for a quad-rotor MAV. *Asian Journal of Control*, **2021**, 23, 661-672	1.7	6
100	Physical-layer entity authentication scheme for mobile MIMO systems. *IET Communications*, **2018**, 12, 712-718	1.3	6
99	Blockchain-Based Security Mechanisms for IoMT Edge Networks in IoMT-Based Healthcare Monitoring Systems.. *Sensors*, **2022**, 22,	3.8	6
98	Design of a Wide-Band Microstrip Filtering Antenna with Modified Shaped Slots and SIR Structure. *Inventions*, **2020**, 5, 11	2.9	5
97	Coordinated paradigm for D2D communications **2014**,		5
96	**2014**,		5
95	**2015**,		5
94	**2014**,		5
93	Jitter based comparisons for routing protocols in mobile ad hoc networks **2009**,		5
92	Towards an Autonomous Host-Based Intrusion Detection System for Android Mobile Devices. *Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering*, **2019**, 139-148	0.2	5
91	3D Network Modeling for THz-Enabled Ultra-Fast Dense Networks: A 6G Perspective. *IEEE Communications Standards Magazine*, **2021**, 5, 84-90	3.3	5
90	WiFi in Licensed Band. *IEEE Communications Letters*, **2016**, 20, 1655-1658	3.8	5
89	Secure Virtual Mobile Small Cells: A Stepping Stone Toward 6G. *IEEE Communications Standards Magazine*, **2021**, 1-15	3.3	5
88	. *IEEE Transactions on Cloud Computing*, **2021**, 1-1	3.3	5
87	. *IEEE Access*, **2021**, 9, 84910-84921	3.5	5

86	Green Flexible RF for 5G **2015**, 241-272		4
85	Efficient privacy preserving security protocol for VANETs with sparse infrastructure deployment **2015**,		4
84	Joint rate control and power allocation for low-latency reliable D2D-based relay network. *Eurasip Journal on Wireless Communications and Networking*, **2019**, 2019,	3.2	4
83	Towards a Converged Optical-Wireless Fronthaul/Backhaul Solution for 5G Networks and Beyond **2019**, 1-29		4
82	Energy Efficiency in the Cloud Radio Access Network (C-RAN) for 5G Mobile Networks **2019**, 225-248		4
81	A distance-sensitive distributed repulsive sleeping approach for dependable coverage in heterogeneous cellular networks. *Transactions on Emerging Telecommunications Technologies*, **2019** , 30, e3784	1.9	4
80	Coalitional relay selection game to extend battery lifetime of multi-standard mobile terminals **2014** ,		4
79	Effect of Tithonia diversifolia mulch on Atta cephalotes (Hymenoptera: Formicidae) nests. *Journal of Insect Science*, **2015**, 15,	2	4
78	UWB CPW fed 4-port connected ground MIMO antenna for sub-millimeter-wave 5G applications. *AEJ - Alexandria Engineering Journal*, **2022**, 61, 6645-6658	6.1	4
77	Energy and Throughput Analysis of Reservation Protocols of Wi Media MAC. *Journal of Green Engineering (discontinued)*, **2013**, 3, 363-382		4
76	Analysis of the Impact of Denial of Service Attacks on Centralized Control in Smart Cities. *Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering*, **2015**, 91-96	0.2	4
75	Context Parameter Prediction to Prolong Mobile Terminal Battery Life. *Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering*, **2012**, 476-489	0.2	4
74	Robust, Resilient and Reliable Architecture for V2X Communications. *IEEE Transactions on Intelligent Transportation Systems*, **2021**, 22, 4414-4430	6.1	4
73	Dual-band printed folded dipole balanced antenna for 700/2600MHz LTE bands **2016**,		3
72	Unleash Narrowband Technologies for Industrial Internet of Things Services. *IEEE Network*, **2019**, 33, 16-22	11.4	3
71	Millimeter Wave Antenna Design for 5G Applications **2019**, 139-156		3
70	Enabling VLC and WiFi Network Technologies and Architectures Toward 5G **2019**, 101-122		3
69	Analysis of a Homomorphic MAC-based scheme against tag pollution in RLNC-enabled wireless networks **2015**,		3

68	Jointly padding for subspace orthogonality against tag pollution **2014**,		3
67	A cognitive approach for stable cooperative group formation in mobile environments **2014**,		3
66	**2010**,		3
65	Design of energy efficient power amplifier for 4G user terminals **2010**,		3
64	An Energy Efficient Flat Routing Protocol for Wireless Ad Hoc Networks **2010**,		3
63	Risk-Based Adaptive User Authentication for Mobile Passenger ID Devices for Land/Sea Border Control **2021**,		3
62	Transparent 2-Element 5G MIMO Antenna for Sub-6 GHz Applications. *Electronics (Switzerland)*, **2022**, 11, 251	2.6	3
61	Machine Learning to Automate Network Segregation for Enhanced Security in Industry 4.0. *Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering*, **2019**, 149-158	0.2	3
60	Security Threats in Network Coding-Enabled Mobile Small Cells. *Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering*, **2019**, 337-346	0.2	3
59	A Varactor-Based Very Compact Tunable Filter with Wide Tuning Range for 4G and Sub-6 GHz 5G Communications. *Sensors*, **2020**, 20,	3.8	3
58	Integrating energy efficiency analysis of massive MIMO-based C-RAN. *Eurasip Journal on Wireless Communications and Networking*, **2016**, 2016,	3.2	3
57	Two Time-Scale Resource Allocation in Hybrid Energy Powering 5G Wireless System **2019**,		3
56	Distributed Trusted Authority-based Key Management for Beyond 5G Network Coding-enabled Mobile Small Cells **2019**,		3
55	Internet of Things Task Scheduling in Cloud Environment Using Particle Swarm Optimization **2018**,		3
54	Machine Learning for DDoS Attack Detection in Industry 4.0 CPPSs. *Electronics (Switzerland)*, **2022**, 11, 602	2.6	3
53	Energy efficiency optimization for downlink OFDMA system in heterogeneous network with QoS constraints. *International Journal of Communication Systems*, **2017**, 30, e2969	1.7	2
52	Miniaturized dual-band balanced antenna for LTE using meander lines **2016**,		2
51	An efficient MAC-signature scheme for authentication in XOR network coding **2014**,		2

50	Use of negative information in positioning and tracking algorithms. *Telecommunication Systems*, **2013**, 53, 285-298	2.3	2
49	Compact and closely spaced tunable printed F-slot multiple-input multiple-output antenna system for portable wireless applications with efficient diversity. *IET Science, Measurement and Technology*, **2014**, 8, 359-369	1.5	2
48	A Privacy-Preserving User Authentication Mechanism for Smart City Mobile Apps **2021**,		2
47	Wireless Electromagnetic Radiation Assessment Based on the Specific Absorption Rate (SAR): A Review Case Study. *Electronics (Switzerland)*, **2022**, 11, 511	2.6	2
46	User Authentication and Authorization for Next Generation Mobile Passenger ID Devices for Land and Sea Border Control **2020**,		2
45	Cooperative Strategies for Power Saving in Multi-standard Wireless Devices. *Lecture Notes in Computer Science*, **2013**, 284-296	0.9	2
44	Load-modulation technique without using quarter-wavelength transmission line. *IET Microwaves, Antennas and Propagation*, **2020**, 14, 1209-1215	1.6	2
43	Energy-Efficiency Maximization for D2D-Enabled UAV-Aided 5G Networks **2020**,		2
42	**2016**,		2
41	Adaptive Resource Allocation for Energy-Efficient Millimeter-Wave Massive MIMO Networks **2018**,		2
40	Analysis and Enhancement of Platoon Management in Smart City **2018**,		2
39	DISTANT: DIStributed Trusted Authority-based key managemeNT for beyond 5G wireless mobile small cells. *Computer Communications*, **2021**, 176, 218-233	5.1	2
38	Effect analysis of the general complex reciprocal gyro-bianisotropic metamaterial medium on the input impedance of a printed dipole antenna. *AEJ - Alexandria Engineering Journal*, **2021**, 61, 3691-3691	6.1	2
37	**2019**,		1
36	Cooperative Strategies for End-to-End Energy Saving and QoS Control **2015**, 135-161		1
35	Multi-objective Hybrid Scheduler enabling Efficient Resource Management for 5G UDN **2020**,		1
34	A Cognitive Self-Organising Clustering Algorithm for Urban Scenarios. *Wireless Personal Communications*, **2016**, 90, 1763-1798	1.9	1
33	A coalitional game-theoretic approach to isolate selfish nodes in multihop cellular networks **2014**,		1

32	Moblist: A signal strength based clustering algorithm for ordered mobile scenarios **2012**,		1
31	A cross-layer resource over-provisioning architecture for P2P networks **2013**,		1
30	Dynamic Resource Allocation for Beyond 3G Cellular Networks. *Wireless Personal Communications*, **2007**, 43, 1727-1740	1.9	1
29	A Hyperledger Fabric-based Blockchain Architecture to Secure IoT-based Health Monitoring Systems **2021**,		1
28	Perspectives for 5G Network Sharing for Mobile Small Cells. *Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering*, **2019**, 377-386	0.2	1
27	Key Management for Secure Network Coding-Enabled Mobile Small Cells. *Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering*, **2019**, 327-336	0.2	1
26	Communication Haul Design for 5G Radio: Challenges and Open Issues **2016**, 57-67		1
25	Antenna for Ultra-Wideband Applications With Non-Uniform Defected Ground Plane and Offset Aperture-Coupled Cylindrical Dielectric Resonators. *IEEE Access*, **2019**, 7, 166776-166787	3.5	1
24	Advancement of a Highly Efficient Class-F power Amplifier for 5G Doherty Architectures **2019**,		1
23	Optimal Array size for Multiuser MIMO **2018**,		1
22	Ultra-Compact mm-Wave Monolithic IC Doherty Power Amplifier for Mobile Handsets. *Electronics (Switzerland)*, **2021**, 10, 2131	2.6	1
21	Towards a Secure and Usable User Authentication for Mobile Passenger ID Devices for Land/Sea Border Control. *IEEE Access*, **2022**, 1-1	3.5	1
20	Drive Towards 6G **2022**, 3-35		0
19	DECENT: Decentralized and Efficient Key Management to Secure Communication in Dense and Dynamic Environments. *IEEE Transactions on Intelligent Transportation Systems*, **2022**, 1-13	6.1	0
18	Energy efficient load balancing for future self-organized shared networks. *Telecommunication Systems*, **2015**, 59, 123-135	2.3	
17	An Overview of 4G System-Level Energy-Efficiency Performance. *Studies in Systems, Decision and Control*, **2016**, 45-64	0.8	
16	Formal Specification of the Assurance Point Web Service Composition Model. *International Journal of Cooperative Information Systems*, **2014**, 23, 1450007	0.6	
15	Green Wireless Internet Technology. *IET Science, Measurement and Technology*, **2014**, 8, 337-341	1.5	

List of Publications

14	Virtual Networking for Lowering Cost of Ownership **2022**, 331-369	
13	Energy-Efficient RF for UDNs **2022**, 123-166	
12	Security for UDNs: A Step Toward 6G **2022**, 167-201	
11	Implementation of a Pseudonym-Based Signature Scheme with Bilinear Pairings on Android. *Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering*, **2018**, 75-87	0.2
10	Design of Asymmetrical Doherty GaN HEMT Power Amplifiers for 4G Applications. *Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering*, **2019**, 455-465	0.2
9	Fast Statistical Modelling of Temperature Variation on 28 nm FDSOI Technology. *Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering*, **2019**, 289-298	0.2
8	Cooperative Paradigm for Energy Saving. *Signals and Communication Technology*, **2015**, 115-140	0.5
7	Performance of Dual-Band Balanced Antenna Structure for LTE Applications **2018**, 245-262	
6	Elements of Efficient TV White Space Allocation Part II **2011**, 401-420	
5	Developing Tools for Parsing ns-2 Results: IEEE802.21 Case Scenario. *Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering*, **2012**, 347-358	0.2
4	Energy Efficient and Scalable Routing Protocol for Extreme Emergency Ad Hoc Communications. *Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering*, **2012**, 397-412	0.2
3	E2DSR: Preliminary Implementation Results and Performance Evaluation of an Energy Efficient Routing Protocol for Wireless Ad Hoc Networks. *Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering*, **2012**, 151-165	0.2
2	A C-RAN Approach for 5G Applications **2016**, 9-28	
1	On the Performance Analysis of IDLP and SpaceMac for Network Coding-Enabled Mobile Small Cells. *IEEE Communications Letters*, **2021**, 25, 407-411	3.8