

# Jonathan Rodriguez

## List of Publications by Year in descending order

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225  
papers

6,845  
citations

109321

35  
h-index

79698

73  
g-index

237  
all docs

237  
docs citations

237  
times ranked

6768  
citing authors

#	ARTICLE	IF	CITATIONS
1	Millimeter-Wave Massive MIMO Communication for Future Wireless Systems: A Survey. IEEE Communications Surveys and Tutorials, 2018, 20, 836-869.	39.4	457
2	Robust Mobile Crowd Sensing: When Deep Learning Meets Edge Computing. IEEE Network, 2018, 32, 54-60.	6.9	336
3	5G D2D Networks: Techniques, Challenges, and Future Prospects. IEEE Systems Journal, 2018, 12, 3970-3984.	4.6	262
4	Massive Internet of Things for Industrial Applications: Addressing Wireless IIoT Connectivity Challenges and Ecosystem Fragmentation. IEEE Industrial Electronics Magazine, 2017, 11, 28-33.	2.6	256
5	Computation Resource Allocation and Task Assignment Optimization in Vehicular Fog Computing: A Contract-Matching Approach. IEEE Transactions on Vehicular Technology, 2019, 68, 3113-3125.	6.3	247
6	When Mobile Crowd Sensing Meets UAV: Energy-Efficient Task Assignment and Route Planning. IEEE Transactions on Communications, 2018, 66, 5526-5538.	7.8	221
7	A Lightweight Authentication Mechanism for M2M Communications in Industrial IoT Environment. IEEE Internet of Things Journal, 2019, 6, 288-296.	8.7	216
8	A survey of 5G technologies: regulatory, standardization and industrial perspectives. Digital Communications and Networks, 2018, 4, 87-97.	5.0	196
9	Social Big-Data-Based Content Dissemination in Internet of Vehicles. IEEE Transactions on Industrial Informatics, 2018, 14, 768-777.	11.3	174
10	Direct mobile-to-mobile communication: Paradigm for 5G. IEEE Wireless Communications, 2014, 21, 14-23.	9.0	162
11	Eight-Element Dual-Polarized MIMO Slot Antenna System for 5G Smartphone Applications. IEEE Access, 2019, 7, 15612-15622.	4.2	161
12	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.	8.0	134
13	Terahertz-Enabled Wireless System for Beyond-5G Ultra-Fast Networks: A Brief Survey. IEEE Network, 2019, 33, 89-95.	6.9	133
14	5G Millimeter-Wave Mobile Broadband: Performance and Challenges. , 2018, 56, 137-143.		114
15	Network Coding Theory: A Survey. IEEE Communications Surveys and Tutorials, 2013, 15, 1950-1978.	39.4	106
16	Electromagnetic Bandgap Backed Millimeter-Wave MIMO Antenna for Wearable Applications. IEEE Access, 2019, 7, 111135-111144.	4.2	104
17	Smart Direct-LTE communication: An energy saving perspective. Ad Hoc Networks, 2014, 13, 296-311.	5.5	91
18	One Integrated Energy Efficiency Proposal for 5G IoT Communications. IEEE Internet of Things Journal, 2016, 3, 1346-1354.	8.7	91

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19	Vehicular Communications: Standardization and Open Issues. IEEE Communications Standards Magazine, 2018, 2, 74-80.	4.9	90
20	Green HetNet CoMP: Energy Efficiency Analysis and Optimization. IEEE Transactions on Vehicular Technology, 2015, 64, 4670-4683.	6.3	89
21	A Survey on Security Threats and Countermeasures in Internet of Medical Things (IoMT). Transactions on Emerging Telecommunications Technologies, 2022, 33, e4049.	3.9	88
22	Coalition formation game toward green mobile terminals in heterogeneous wireless networks. IEEE Wireless Communications, 2013, 20, 85-91.	9.0	83
23	Energy-Efficient Resource Allocation for Energy Harvesting-Based Cognitive Machine-to-Machine Communications. IEEE Transactions on Cognitive Communications and Networking, 2019, 5, 595-607.	7.9	82
24	Generalized Hybrid Beamforming for Vehicular Connectivity Using THz Massive MIMO. IEEE Transactions on Vehicular Technology, 2019, 68, 8372-8383.	6.3	80
25	Secure device-to-device communication in LTE-A. , 2014, 52, 66-73.		79
26	Insole Optical Fiber Sensor Architecture for Remote Gait Analysis—An e-Health Solution. IEEE Internet of Things Journal, 2019, 6, 207-214.	8.7	76
27	Transmission Capacity Analysis of Relay-Assisted Device-to-Device Overlay/Underlay Communication. IEEE Transactions on Industrial Informatics, 2017, 13, 380-389.	11.3	74
28	Key Management for Beyond 5G Mobile Small Cells: A Survey. IEEE Access, 2019, 7, 59200-59236.	4.2	69
29	An IoT-Based E-Health Monitoring System Using ECG Signal. , 2017, , .		67
30	Enhanced C-RAN Using D2D Network. , 2017, 55, 100-107.		60
31	An autonomous privacy-preserving authentication scheme for intelligent transportation systems. Computers and Security, 2016, 60, 193-205.	6.0	57
32	SECRET — Secure network coding for reduced energy next generation mobile small cells: A European Training Network in wireless communications and networking for 5G. , 2017, , .		57
33	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.	4.9	56
34	Insole optical fiber Bragg grating sensors network for dynamic vertical force monitoring. Journal of Biomedical Optics, 2017, 22, 091507.	2.6	55
35	Energy efficient interference-aware resource allocation in LTE-D2D communication. , 2014, , .		54
36	Frequency and Pattern Reconfigurable Antenna for Emerging Wireless Communication Systems. Electronics (Switzerland), 2019, 8, 407.	3.1	52

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37	A Physical-Layer Security Scheme by Phase-Based Adaptive Modulation. IEEE Transactions on Vehicular Technology, 2017, 66, 9931-9942.	6.3	48
38	Blockchain-Based Security Mechanisms for loMT Edge Networks in loMT-Based Healthcare Monitoring Systems. Sensors, 2022, 22, 2449.	3.8	47
39	Low-Cost On-Demand C-RAN Based Mobile Small-Cells. IEEE Access, 2016, 4, 2331-2339.	4.2	42
40	On the Trade-Off Between Security and Energy Efficiency in Cooperative Spectrum Sensing for Cognitive Radio. IEEE Communications Letters, 2013, 17, 1564-1567.	4.1	38
41	Low-Profile and Closely Spaced Four-Element MIMO Antenna for Wireless Body Area Networks. Electronics (Switzerland), 2020, 9, 258.	3.1	38
42	Characterization of Different Sources of Human MSCs Expanded in Serum-Free Conditions with Quantification of Chondrogenic Induction in 3D. Stem Cells International, 2019, 2019, 1-19.	2.5	35
43	MM-Wave Phased Array Quasi-Yagi Antenna for the Upcoming 5G Cellular Communications. Applied Sciences (Switzerland), 2019, 9, 978.	2.5	35
44	An Autonomous Host-Based Intrusion Detection System for Android Mobile Devices. Mobile Networks and Applications, 2020, 25, 164-172.	3.3	35
45	HIDROID: Prototyping a Behavioral Host-Based Intrusion Detection and Prevention System for Android. IEEE Access, 2020, 8, 23154-23168.	4.2	35
46	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.	3.4	34
47	An Anomaly-Based Intrusion Detection System for Internet of Medical Things Networks. Electronics (Switzerland), 2021, 10, 2562.	3.1	32
48	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, 1-14.	2.5	31
49	When Vehicular Fog Computing Meets Autonomous Driving: Computational Resource Management and Task Offloading. IEEE Network, 2020, 34, 70-76.	6.9	31
50	Energy-efficient interference management in LTE-2D communication. IET Signal Processing, 2016, 10, 197-202.	1.5	30
51	Machine Learning for DDoS Attack Detection in Industry 4.0 CPPSs. Electronics (Switzerland), 2022, 11, 602.	3.1	30
52	Simulation of 802.21 Handovers Using ns-2. Journal of Computer Systems, Networks, and Communications, 2010, 2010, 1-11.	1.2	29
53	Terahertz Massive MIMO for Beyond-5G Wireless Communication. , 2019, , .		29
54	Generating Datasets for Anomaly-Based Intrusion Detection Systems in IoT and Industrial IoT Networks. Sensors, 2021, 21, 1528.	3.8	28

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55	Joint Relay Selection and Resource Allocation for Energy-Efficient D2D Cooperative Communications Using Matching Theory. Applied Sciences (Switzerland), 2017, 7, 491.	2.5	27
56	A New and Compact Wide-Band Microstrip Filter-Antenna Design for 2.4 GHz ISM Band and 4G Applications. Electronics (Switzerland), 2020, 9, 1084.	3.1	27
57	Energy saving in multi-standard mobile terminals through short-range cooperation. Eurasip Journal on Wireless Communications and Networking, 2012, 2012, .	2.4	26
58	Game theory and pricing strategies for demand-side management in the smart grid. , 2014, , .		25
59	A Novel Intrusion Detection and Prevention Scheme for Network Coding-Enabled Mobile Small Cells. IEEE Transactions on Computational Social Systems, 2019, 6, 1467-1477.	4.4	25
60	Dual-Homomorphic Message Authentication Code Scheme for Network Coding-Enabled Wireless Sensor Networks. International Journal of Distributed Sensor Networks, 2015, 11, 510251.	2.2	25
61	Security concerns and countermeasures in network coding based communication systems: A survey. Computer Networks, 2015, 83, 422-445.	5.1	24
62	An Efficient Null Space-Based Homomorphic MAC Scheme Against Tag Pollution Attacks in RLNC. IEEE Communications Letters, 2016, 20, 918-921.	4.1	24
63	Dielectric resonator antenna with top loaded parasitic strip elements for dual-band operation. Microwave and Optical Technology Letters, 2019, 61, 2134-2140.	1.4	24
64	UWB CPW fed 4-port connected ground MIMO antenna for sub-millimeter-wave 5G applications. AEJ - Alexandria Engineering Journal, 2022, 61, 6645-6658.	6.4	24
65	An OAuth2-based protocol with strong user privacy preservation for smart city mobile e-Health apps. , 2016, , .		23
66	Millimeter-wave massive MIMO for cellular vehicle-to-infrastructure communication. IET Intelligent Transport Systems, 2019, 13, 983-990.	3.0	23
67	3D Network Modeling for THz-Enabled Ultra-Fast Dense Networks: A 6G Perspective. IEEE Communications Standards Magazine, 2021, 5, 84-90.	4.9	23
68	A middleware architecture supporting seamless and secure multimedia services across an intertechnology radio access network. IEEE Wireless Communications, 2009, 16, 24-31.	9.0	22
69	Energy-aware relay selection in cooperative wireless networks: An assignment game approach. Ad Hoc Networks, 2017, 56, 96-108.	5.5	22
70	Mobile caching-enabled small-cells for delay-tolerant e-Health apps. , 2017, , .		22
71	Continuous and smooth differentiator based on adaptive sliding mode control for a quadrotor MAV. Asian Journal of Control, 2021, 23, 661-672.	3.0	22
72	Transparent 2-Element 5G MIMO Antenna for Sub-6 GHz Applications. Electronics (Switzerland), 2022, 11, 251.	3.1	22

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73	Towards a secure network architecture for smart grids in 5G era. , 2017, , .		21
74	Lagrange modeling and navigation based on quaternion for controlling a micro AUV under perturbations. Robotics and Autonomous Systems, 2020, 124, 103408.	5.1	21
75	A Compact Semi-Circular and Arc-Shaped Slot Antenna for Heterogeneous RF Front-Ends. Electronics (Switzerland), 2019, 8, 1123.	3.1	20
76	Testbed for combination of local sensing with geolocation database in real environments. IEEE Wireless Communications, 2012, 19, 59-66.	9.0	19
77	Energy Efficient and Scalable Routing Protocol for Extreme Emergency Ad Hoc Communications. Mobile Networks and Applications, 2012, 17, 312-324.	3.3	19
78	A privacy-enhanced OAuth 2.0 based protocol for Smart City mobile applications. Computers and Security, 2018, 74, 258-274.	6.0	19
79	Energy-Aware Wearable E-Health Architecture Using Optical FBG Sensors for Knee Kinematic Monitoring. , 2018, , .		19
80	A Survey on RF and Microwave Doherty Power Amplifier for Mobile Handset Applications. Electronics (Switzerland), 2019, 8, 717.	3.1	19
81	A Signature Scheme with Unlinkable-yet-Accountable Pseudonymity for Privacy-Preserving Crowdsensing. IEEE Transactions on Mobile Computing, 2020, 19, 752-768.	5.8	19
82	Spatial Interpolated Lookup Tables (LUTs) Models for Ergodic Capacity of MIMO FSO Systems. IEEE Photonics Technology Letters, 2017, 29, 583-586.	2.5	18
83	IDLDP: An Efficient Intrusion Detection and Location-Aware Prevention Mechanism for Network Coding-Enabled Mobile Small Cells. IEEE Access, 2020, 8, 43863-43875.	4.2	17
84	Towards 5G: Context Aware Resource Allocation for Energy Saving. Journal of Signal Processing Systems, 2016, 83, 279-291.	2.1	16
85	Robust, Resilient and Reliable Architecture for V2X Communications. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 4414-4430.	8.0	16
86	Attribute-Based Pseudonymity for Privacy-Preserving Authentication in Cloud Services. IEEE Transactions on Cloud Computing, 2023, 11, 168-184.	4.4	15
87	Mobile traffic modelling for wireless multimedia sensor networks in IoT. Computer Communications, 2017, 112, 109-115.	5.1	15
88	A Novel Relay Selection Game in Cooperative Wireless Networks Based on Combinatorial Optimization. , 2011, , .		14
89	Wireless Electromagnetic Radiation Assessment Based on the Specific Absorption Rate (SAR): A Review Case Study. Electronics (Switzerland), 2022, 11, 511.	3.1	14
90	Comparison of energy-efficiency in bits per joule on different downlink CoMP techniques. , 2012, , .		13

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91	Energy efficiency of downlink packet scheduling in CoMP. Transactions on Emerging Telecommunications Technologies, 2015, 26, 131-146.	3.9	13
92	Energy-efficient game-theoretical random access for M2M communications in overlapped cellular networks. Computer Networks, 2017, 129, 493-501.	5.1	13
93	A Varactor-Based Very Compact Tunable Filter with Wide Tuning Range for 4G and Sub-6 GHz 5G Communications. Sensors, 2020, 20, 4538.	3.8	13
94	Design of a Wide-Band Microstrip Filtering Antenna with Modified Shaped Slots and SIR Structure. Inventions, 2020, 5, 11.	2.5	13
95	A load balanced aware routing protocol for wireless ad hoc networks. , 2009, , .		12
96	System-Level Performance Evaluation for 5G mmWave Cellular Network. , 2017, , .		12
97	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.	0.3	12
98	GREENET - An Early Stage Training Network in Enabling Technologies for Green Radio. , 2011, , .		11
99	TV white spaces exploitation through a bicameral geo-location database. Telecommunications Policy, 2013, 37, 116-129.	5.3	11
100	Combination of a geolocation database access with infrastructure sensing in TV bands. Eurasip Journal on Wireless Communications and Networking, 2014, 2014, .	2.4	11
101	Game-theoretic based scheduling for demand-side management in 5G smart grids. , 2015, , .		11
102	Physical-layer entity authentication scheme for mobile MIMO systems. IET Communications, 2018, 12, 712-718.	2.2	11
103	Mixed-coupling multi-function quint-wideband asymmetric stepped impedance resonator filter. Microwave and Optical Technology Letters, 2019, 61, 1181-1184.	1.4	11
104	Energy Efficient and Load Balanced Routing for Wireless Multihop Network Applications. International Journal of Distributed Sensor Networks, 2014, 10, 927659.	2.2	10
105	CANDi: context-aware node discovery for short-range cooperation. Transactions on Emerging Telecommunications Technologies, 2015, 26, 861-875.	3.9	10
106	Lightweight security against combined IE and SSDF attacks in cooperative spectrum sensing for cognitive radio networks. Security and Communication Networks, 2015, 8, 3978-3994.	1.5	10
107	Cross-Layer Resource Allocation for Multihop V2X Communications. Wireless Communications and Mobile Computing, 2019, 2019, 1-16.	1.2	10
108	Robust Task Offloading for IoT Fog Computing Under Information Asymmetry and Information Uncertainty. , 2019, , .		10

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109	New High-Gain Differential-Fed Dual-Polarized Filtering Microstrip Antenna for 5G Applications. , 2020, , .		10
110	Optimization of Mixed Numerology Profiles for 5G Wireless Communication Scenarios. Sensors, 2021, 21, 1494.	3.8	10
111	Cognitive mobility management in heterogeneous networks. , 2010, , .		10
112	A novel energy efficient packet-scheduling algorithm for CoMP. Computer Communications, 2014, 50, 53-63.	5.1	9
113	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.	3.1	9
114	Secure Virtual Mobile Small Cells: A Stepping Stone Toward 6G. IEEE Communications Standards Magazine, 2021, 5, 28-36.	4.9	9
115	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.	3.1	9
116	Analysis of the Combinatory Effect of Uniaxial Electrical and Magnetic Anisotropy on the Input Impedance and Mutual Coupling of a Printed Dipole Antenna. IEEE Access, 2021, 9, 84910-84921.	4.2	9
117	User Authentication and Authorization for Next Generation Mobile Passenger ID Devices for Land and Sea Border Control. , 2020, , .		9
118	Energy efficiency performance of WiFi/WiMedia relaying in hybrid ad-hoc networks. , 2013, , .		8
119	Effect of Tithonia diversifolia Mulch on Atta cephalotes (Hymenoptera: Formicidae) Nests. Journal of Insect Science, 2015, 15, 32-32.	1.5	8
120	Empirical Modelling of FDSOI CMOS Inverter for Signal/Power Integrity Simulation. , 2015, , .		8
121	Unleash Narrowband Technologies for Industrial Internet of Things Services. IEEE Network, 2019, 33, 16-22.	6.9	8
122	Antenna for Ultra-Wideband Applications With Non-Uniform Defected Ground Plane and Offset Aperture-Coupled Cylindrical Dielectric Resonators. IEEE Access, 2019, 7, 166776-166787.	4.2	8
123	A Privacy-Preserving User Authentication Mechanism for Smart City Mobile Apps. , 2021, , .		8
124	Risk-Based Adaptive User Authentication for Mobile Passenger ID Devices for Land/Sea Border Control. , 2021, , .		8
125	Self organized energy efficient position aided relays in LTEA. Physical Communication, 2013, 7, 30-43.	2.1	7
126	Coordinated paradigm for D2D communications. , 2014, , .		7



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127	Investigation on energy efficiency in HetNet CoMP architecture. , 2014, , .		7
128	Coalitional relay selection game to extend battery lifetime of multi-standard mobile terminals. , 2014, , .		7
129	WiFi in Licensed Band. IEEE Communications Letters, 2016, 20, 1655-1658.	4.1	7
130	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, .	2.4	7
131	Context-aware cooperative testbed for energy analysis in beyond 4G networks. Telecommunication Systems, 2017, 64, 225-244.	2.5	7
132	A Location-aware IDPS scheme for Network Coding-enabled Mobile Small Cells. , 2019, , .		7
133	A Hyperledger Fabric-based Blockchain Architecture to Secure IoT-based Health Monitoring Systems. , 2021, , .		7
134	An Energy Efficient Flat Routing Protocol for Wireless Ad Hoc Networks. , 2010, , .		6
135	An incentive mechanism based on coalitional game for fair cooperation of mobile users in HANETs. , 2012, , .		6
136	A null space-based MAC scheme against pollution attacks to Random linear Network Coding. , 2015, , .		6
137	Joint rate control and power allocation for low-latency reliable D2D-based relay network. Eurasip Journal on Wireless Communications and Networking, 2019, 2019, .	2.4	6
138	A distance-sensitive distributed repulsive sleeping approach for dependable coverage in heterogeneous cellular networks. Transactions on Emerging Telecommunications Technologies, 2019, 30, e3784.	3.9	6
139	Energy-Efficiency Maximization for D2D-Enabled UAV-Aided 5G Networks. , 2020, , .		6
140	Effect analysis of the general complex reciprocal gyro-bianisotropic metamaterial medium on the input impedance of a printed dipole antenna. AEJ - Alexandria Engineering Journal, 2022, 61, 3691-3696.	6.4	6
141	Energy and Throughput Analysis of Reservation Protocols of Wi Media MAC. Journal of Green Engineering (discontinued), 2013, 3, 363-382.	0.7	6
142	Toward a Secure and Usable User Authentication Mechanism for Mobile Passenger ID Devices for Land/Sea Border Control. IEEE Access, 2022, 10, 38832-38849.	4.2	6
143	Jitter based comparisons for routing protocols in mobile ad hoc networks. , 2009, , .		5
144	An improved homomorphic message authentication code scheme for RLNC-enabled wireless networks. , 2014, , .		5

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145	A Lightweight Privacy-Preserving OAuth2-Based Protocol for Smart City Mobile Apps. , 2016, , .		5
146	Integrating energy efficiency analysis of massive MIMO-based C-RAN. Eurasip Journal on Wireless Communications and Networking, 2016, 2016, .	2.4	5
147	Dual-band printed folded dipole balanced antenna for 700/2600MHz LTE bands. , 2016, , .		5
148	Adaptive Resource Allocation for Energy-Efficient Millimeter-Wave Massive MIMO Networks. , 2018, , .		5
149	DISTANT: DIStributed Trusted Authority-based key management for beyond 5G wireless mobile small cells. Computer Communications, 2021, 176, 218-233.	5.1	5
150	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.	0.3	5
151	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.	0.3	5
152	Analysis of a Homomorphic MAC-based scheme against tag pollution in RLNC-enabled wireless networks. , 2015, , .		4
153	Efficient privacy preserving security protocol for VANETs with sparse infrastructure deployment. , 2015, , .		4
154	Internet of Things Task Scheduling in Cloud Environment Using Particle Swarm Optimization. , 2018, , .		4
155	Analysis and Enhancement of Platoon Management in Smart City. , 2018, , .		4
156	Distributed Trusted Authority-based Key Management for Beyond 5G Network Coding-enabled Mobile Small Cells. , 2019, , .		4
157	Loadâ€modulation technique without using quarterâ€wavelength transmission line. IET Microwaves, Antennas and Propagation, 2020, 14, 1209-1215.	1.4	4
158	Recent Technical Developments in Energy-Efficient 5G Mobile Cells: Present and Future. Electronics (Switzerland), 2020, 9, 664.	3.1	4
159	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.	0.3	4
160	DECENT: Decentralized and Efficient Key Management to Secure Communication in Dense and Dynamic Environments. IEEE Transactions on Intelligent Transportation Systems, 2023, 24, 7586-7598.	8.0	4
161	Design of power efficient power amplifier for B3G base stations. , 2010, , .		3
162	Design of energy efficient power amplifier for 4G user terminals. , 2010, , .		3

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163	Moblist: A signal strength based clustering algorithm for ordered mobile scenarios. , 2012, , .		3
164	Jointly padding for subspace orthogonality against tag pollution. , 2014, , .		3
165	A cognitive approach for stable cooperative group formation in mobile environments. , 2014, , .		3
166	Energy efficiency optimization for downlink OFDMA system in heterogeneous network with QoS constraints. International Journal of Communication Systems, 2017, 30, e2969.	2.5	3
167	Non-Invasive Insole Optical Fiber Sensor Architecture for Monitoring Foot Anomalies. , 2017, , .		3
168	Two Time-Scale Resource Allocation in Hybrid Energy Powering 5G Wireless System. , 2019, , .		3
169	Multi-objective Hybrid Scheduler enabling Efficient Resource Management for 5G UDN. , 2020, , .		3
170	A Key Management Framework to Secure IoMT-enabled Healthcare Systems. , 2021, , .		3
171	Generating IoT Edge Network Datasets based on the TON_IoT Telemetry Dataset. , 2021, , .		3
172	Use of negative information in positioning and tracking algorithms. Telecommunication Systems, 2013, 53, 285-298.	2.5	2
173	Energy efficient dynamic MANET on-demand (E2DYMO) routing protocol. , 2013, , .		2
174	A cross-layer resource over-provisioning architecture for P2P networks. , 2013, , .		2
175	Compact and closely spaced tunable printed Fâ€slot multipleâ€inputâ€multipleâ€output antenna system for portable wireless applications with efficient diversity. IET Science, Measurement and Technology, 2014, 8, 359-369.	1.6	2
176	On the efficiency of merging procedures in hierarchical mobile cooperative networks. , 2014, , .		2
177	An efficient MAC-signature scheme for authentication in XOR network coding. , 2014, , .		2
178	Miniaturized dual-band balanced antenna for LTE using meander lines. , 2016, , .		2
179	Optimal Array size for Multiuser MIMO. , 2018, , .		2
180	Advancement of a Highly Efficient Class-F power Amplifier for 5G Doherty Architectures. , 2019, , .		2

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181	Cooperative Strategies for Power Saving in Multi-standard Wireless Devices. Lecture Notes in Computer Science, 2013, , 284-296.	1.3	2
182	Drive Towards 6G. , 2022, , 3-35.		2
183	Risk-Based User Authentication for Mobile Passenger ID Devices for Land and Sea Border Control. , 2021, , .		2
184	Performance Evaluation of Radio Resource Schedulers in LTE and 5G NR Two-Tier HetNets. , 2021, , .		2
185	Dynamic Resource Allocation for Beyond 3G Cellular Networks. Wireless Personal Communications, 2007, 43, 1727-1740.	2.7	1
186	On the energy efficiency of low-mobility subsystems in hierarchical ad hoc networks. , 2013, , .		1
187	A coalitional game-theoretic approach to isolate selfish nodes in multihop cellular networks. , 2014, , .		1
188	How much overhead is required for stable group formation in VANETs?. , 2014, , .		1
189	Cooperative Strategies for End-to-End Energy Saving and QoS Control. , 2015, , 135-161.		1
190	Modelling the temperature dependence of 28nm fully depleted silicon-on insulator (FDSOI) static characteristics based on parallel computing approach. , 2016, , .		1
191	A Cognitive Self-Organising Clustering Algorithm for Urban Scenarios. Wireless Personal Communications, 2016, 90, 1763-1798.	2.7	1
192	Intelligent Network Selection Mechanism in Macro-Femto HetNets Considering Network Connectivity and Users' Preference. , 2019, , .		1
193	Very Compact Reconfigurable Planar Filter With Wide-stopband Performance for Sub-6 GHz 5G Systems. , 2020, , .		1
194	Insecticidal and Cholinesterase Activity of Dichloromethane Extracts of Tithonia diversifolia on Atta cephalotes Worker Ants (Formicidae: Myrmicinae). Insects, 2020, 11, 180.	2.2	1
195	Ultra-Compact mm-Wave Monolithic IC Doherty Power Amplifier for Mobile Handsets. Electronics (Switzerland), 2021, 10, 2131.	3.1	1
196	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.	0.3	1
197	Communication Haul Design for 5G Radio: Challenges and Open Issues. , 2016, , 57-67.		1
198	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.	0.3	1

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199	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.	0.3	1
200	Correction to: Joint rate control and power allocation for low-latency reliable D2D-based relay network. Eurasip Journal on Wireless Communications and Networking, 2019, 2019, .	2.4	1
201	A new compact printed monopole antenna based on compressed metamaterials for UWB applications. , 2021, , .		1
202	Recent Advances in Antenna Design for 5G Heterogeneous Networks. Electronics (Switzerland), 2022, 11, 146.	3.1	1
203	Extending the Assurance Point (AP) Approach to Process Recovery for Use with Flow Groups. , 2012, , .		0
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