Irma ChacÃ³n

List of Publications by Year
in descending order

1,453 papers	62,344 citations	902 116 h-index	3638 180 g-index
1505 all docs	1505 docs citations	1505 times ranked	28866 citing authors

#	Article	IF	Citations
1	Connected Vehicles: Solutions and Challenges. IEEE Internet of Things Journal, 2014, 1, 289-299.	5.5	913
2	Towards 6G wireless communication networks: vision, enabling technologies, and new paradigm shifts. Science China Information Sciences, 2021, 64, 1.	2.7	858
3	GSIS: A Secure and Privacy-Preserving Protocol for Vehicular Communications. IEEE Transactions on Vehicular Technology, 2007, 56, 3442-3456.	3.9	747
4	EPPA: An Efficient and Privacy-Preserving Aggregation Scheme for Secure Smart Grid Communications. IEEE Transactions on Parallel and Distributed Systems, 2012, 23, 1621-1631.	4.0	605
5	A Survey on Platoon-Based Vehicular Cyber-Physical Systems. IEEE Communications Surveys and Tutorials, 2016, 18, 263-284.	24.8	570
6	Operator controlled device-to-device communications in LTE-advanced networks. IEEE Wireless Communications, 2012, 19, 96-104.	6.6	562
7	HC-MAC: A Hardware-Constrained Cognitive MAC for Efficient Spectrum Management. IEEE Journal on Selected Areas in Communications, 2008, 26, 106-117.	9.7	555
8	Space/Aerial-Assisted Computing Offloading for IoT Applications: A Learning-Based Approach. IEEE Journal on Selected Areas in Communications, 2019, 37, 1117-1129.	9.7	542
9	Interworking of DSRC and Cellular Network Technologies for V2X Communications: A Survey. IEEE Transactions on Vehicular Technology, 2016, 65, 9457-9470.	3.9	539
10	Hybrid TDOA/AOA mobile user location for wideband CDMA cellular systems. IEEE Transactions on Wireless Communications, 2002, 1, 439-447.	6.1	497
11	Securing Fog Computing for Internet of Things Applications: Challenges and Solutions. IEEE Communications Surveys and Tutorials, 2018, 20, 601-628.	24.8	485
12	Smart community: an internet of things application. , 2011, 49, 68-75.		480
13	Security and Privacy in Smart City Applications: Challenges and Solutions. , 2017, 55, 122-129.		453
14	Internet of vehicles in big data era. IEEE/CAA Journal of Automatica Sinica, 2018, 5, 19-35.	8.5	440
15	Learning-Based Computation Offloading for IoT Devices With Energy Harvesting. IEEE Transactions on Vehicular Technology, 2019, 68, 1930-1941.	3.9	412
16	VeMAC: A TDMA-Based MAC Protocol for Reliable Broadcast in VANETs. IEEE Transactions on Mobile Computing, 2013, 12, 1724-1736.	3.9	407
17	A Lightweight Message Authentication Scheme for Smart Grid Communications. IEEE Transactions on Smart Grid, 2011, 2, 675-685.	6.2	390
18	Pseudonym Changing at Social Spots: An Effective Strategy for Location Privacy in VANETs. IEEE Transactions on Vehicular Technology, 2012, 61, 86-96.	3.9	383

#	ARTICLE	IF	CITATIONS
19	On hybrid impulsive and switching systems and application to nonlinear control. IEEE Transactions on Automatic Control, 2005, 50, 1058-1062.	3.6	370
20	Software Defined Space-Air-Ground Integrated Vehicular Networks: Challenges and Solutions. , 2017, 55, 101-109.		359
21	Enabling device-to-device communications in millimeter-wave 5G cellular networks. , 2015, 53, 209-215.		354
22	Securing smart grid: cyber attacks, countermeasures, and challenges. , 2012, 50, 38-45.		311
23	LTE-unlicensed: the future of spectrum aggregation for cellular networks. IEEE Wireless Communications, 2015, 22, 150-159.	6.6	307
24	Cloud assisted HetNets toward 5G wireless networks. , 2015, 53, 59-65.		296
25	Sybil Attacks and Their Defenses in the Internet of Things. IEEE Internet of Things Journal, 2014, 1, 372-383.	5.5	282
26	Energy-Efficient UAV-Assisted Mobile Edge Computing: Resource Allocation and Trajectory Optimization. IEEE Transactions on Vehicular Technology, 2020, 69, 3424-3438.	3.9	276
27	Nonline-of-sight error mitigation in mobile location. IEEE Transactions on Wireless Communications, 2005, 4, 560-573.	6.1	266
28	EPPDR: An Efficient Privacy-Preserving Demand Response Scheme with Adaptive Key Evolution in Smart Grid. IEEE Transactions on Parallel and Distributed Systems, 2014, 25, 2053-2064.	4.0	263
29	Air-Ground Integrated Mobile Edge Networks: Architecture, Challenges, and Opportunities. IEEE Communications Magazine, 2018, 56, 26-32.	4.9	262
30	An Efficient Pseudonymous Authentication Scheme With Strong Privacy Preservation for Vehicular Communications. IEEE Transactions on Vehicular Technology, 2010, 59, 3589-3603.	3.9	260
31	Multi-UAV-Aided Networks: Aerial-Ground Cooperative Vehicular Networking Architecture. IEEE Vehicular Technology Magazine, 2015, 10, 36-44.	2.8	255
32	Energy-theft detection issues for advanced metering infrastructure in smart grid. Tsinghua Science and Technology, 2014, 19, 105-120.	4.1	244
33	Security in vehicular ad hoc networks. , 2008, 46, 88-95.		237
34	An Efficient Merkle-Tree-Based Authentication Scheme for Smart Grid. IEEE Systems Journal, 2014, 8, 655-663.	2.9	235
35	Big Data Driven Vehicular Networks. IEEE Network, 2018, 32, 160-167.	4.9	231
36	SMART: A Secure Multilayer Credit-Based Incentive Scheme for Delay-Tolerant Networks. IEEE Transactions on Vehicular Technology, 2009, 58, 4628-4639.	3.9	228

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37	Enabling Fine-Grained Multi-Keyword Search Supporting Classified Sub-Dictionaries over Encrypted Cloud Data. IEEE Transactions on Dependable and Secure Computing, 2016, 13, 312-325.	3.7	228
38	Dynamic Computation Offloading for Mobile Cloud Computing: A Stochastic Game-Theoretic Approach. IEEE Transactions on Mobile Computing, 2019, 18, 771-786.	3.9	228
39	UAV Relay in VANETs Against Smart Jamming With Reinforcement Learning. IEEE Transactions on Vehicular Technology, 2018, 67, 4087-4097.	3.9	226
40	An Efficient Message Authentication Scheme for Vehicular Communications. IEEE Transactions on Vehicular Technology, 2008, 57, 3357-3368.	3.9	225
41	Stability Enhancement of Decentralized Inverter Control Through Wireless Communications in Microgrids. IEEE Transactions on Smart Grid, 2013, 4, 321-331.	6.2	223
42	Security, Privacy, and Fairness in Fog-Based Vehicular Crowdsensing. , 2017, 55, 146-152.		223
43	Efficient and Secure Service-Oriented Authentication Supporting Network Slicing for 5G-Enabled IoT. IEEE Journal on Selected Areas in Communications, 2018, 36, 644-657.	9.7	220
44	Consensus of Multi-Agent Networks With Aperiodic Sampled Communication Via Impulsive Algorithms Using Position-Only Measurements. IEEE Transactions on Automatic Control, 2012, 57, 2639-2643.	3.6	217
45	SPOC: A Secure and Privacy-Preserving Opportunistic Computing Framework for Mobile-Healthcare Emergency. IEEE Transactions on Parallel and Distributed Systems, 2013, 24, 614-624.	4.0	217
46	Delay-Aware Microservice Coordination in Mobile Edge Computing: A Reinforcement Learning Approach. IEEE Transactions on Mobile Computing, 2021, 20, 939-951.	3.9	217
47	Analytical Study of the IEEE 802.11p MAC Sublayer in Vehicular Networks. IEEE Transactions on Intelligent Transportation Systems, 2012, 13, 873-886.	4.7	216
48	Cooperative Edge Caching in User-Centric Clustered Mobile Networks. IEEE Transactions on Mobile Computing, 2018, 17, 1791-1805.	3.9	214
49	Multi-Agent Reinforcement Learning Based Resource Management in MEC- and UAV-Assisted Vehicular Networks. IEEE Journal on Selected Areas in Communications, 2021, 39, 131-141.	9.7	213
50	Drone Assisted Vehicular Networks: Architecture, Challenges and Opportunities. IEEE Network, 2018, 32, 130-137.	4.9	212
51	An SMDP-Based Resource Allocation in Vehicular Cloud Computing Systems. IEEE Transactions on Industrial Electronics, 2015, 62, 7920-7928.	5.2	206
52	Toward Efficient Content Delivery for Automated Driving Services: An Edge Computing Solution. IEEE Network, 2018, 32, 80-86.	4.9	206
53	Cooperative data dissemination via roadside WLANs. IEEE Communications Magazine, 2012, 50, 68-74.	4.9	205
54	Vehicular Communications: A Network Layer Perspective. IEEE Transactions on Vehicular Technology, 2019, 68, 1064-1078.	3.9	204

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55	Probabilistic Delay Control and Road Side Unit Placement for Vehicular Ad Hoc Networks with Disrupted Connectivity. IEEE Journal on Selected Areas in Communications, 2011, 29, 129-139.	9.7	202
56	Optimal power allocation and user scheduling in multicell networks: Base station cooperation using a game-theoretic approach. IEEE Transactions on Wireless Communications, 2014, 13, 6928-6942.	6.1	201
57	AI-Assisted Network-Slicing Based Next-Generation Wireless Networks. IEEE Open Journal of Vehicular Technology, 2020, 1, 45-66.	3.4	200
58	Adaptive fading Kalman filter with an application. Automatica, 1994, 30, 1333-1338.	3.0	199
59	Rex: A randomized EXclusive region based scheduling scheme for mmWave WPANs with directional antenna. IEEE Transactions on Wireless Communications, 2010, 9, 113-121.	6.1	192
60	Lifetime and Energy Hole Evolution Analysis in Data-Gathering Wireless Sensor Networks. IEEE Transactions on Industrial Informatics, 2016, 12, 788-800.	7.2	191
61	Vehicular Communications: A Physical Layer Perspective. IEEE Transactions on Vehicular Technology, 2017, 66, 10647-10659.	3.9	188
62	SDN/NFV-Empowered Future IoV With Enhanced Communication, Computing, and Caching. Proceedings of the IEEE, 2020, 108, 274-291.	16.4	184
63	Blockchain-Based Public Integrity Verification for Cloud Storage against Procrastinating Auditors. IEEE Transactions on Cloud Computing, 2021, 9, 923-937.	3.1	181
64	GRS: The green, reliability, and security of emerging machine to machine communications. , 2011, 49, 28-35.		180
65	Dynamic Channel Access to Improve Energy Efficiency in Cognitive Radio Sensor Networks. IEEE Transactions on Wireless Communications, 2016, 15, 3143-3156.	6.1	178
66	Toward secure targeted broadcast in smart grid. IEEE Communications Magazine, 2012, 50, 150-156.	4.9	177
67	Sage: a strong privacy-preserving scheme against global eavesdropping for ehealth systems. IEEE Journal on Selected Areas in Communications, 2009, 27, 365-378.	9.7	176
68	EMAP: Expedite Message Authentication Protocol for Vehicular Ad Hoc Networks. IEEE Transactions on Mobile Computing, 2013, 12, 78-89.	3.9	174
69	Energy-Harvesting-Aided Spectrum Sensing and Data Transmission in Heterogeneous Cognitive Radio Sensor Network. IEEE Transactions on Vehicular Technology, 2017, 66, 831-843.	3.9	173
70	Pi: A practical incentive protocol for delay tolerant networks. IEEE Transactions on Wireless Communications, 2010, 9, 1483-1493.	6.1	172
71	Trust-Based Anomaly Detection in Emerging Sensor Networks. International Journal of Distributed Sensor Networks, 2015, 2015, 1-14.	1.3	169
72	Evolution of NOMA Toward Next Generation Multiple Access (NGMA) for 6G. IEEE Journal on Selected Areas in Communications, 2022, 40, 1037-1071.	9.7	168

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73	Quality-Driven Auction-Based Incentive Mechanism for Mobile Crowd Sensing. IEEE Transactions on Vehicular Technology, 2015, 64, 4203-4214.	3.9	165
74	Synergy of Big Data and 5G Wireless Networks: Opportunities, Approaches, and Challenges. IEEE Wireless Communications, 2018, 25, 12-18.	6.6	165
75	Stochastic Modeling and Optimization in a Microgrid: A Survey. Energies, 2014, 7, 2027-2050.	1.6	161
76	UDP: Usage-Based Dynamic Pricing With Privacy Preservation for Smart Grid. IEEE Transactions on Smart Grid, 2013, 4, 141-150.	6.2	159
77	Deep Reinforcement Learning for Autonomous Internet of Things: Model, Applications and Challenges. IEEE Communications Surveys and Tutorials, 2020, 22, 1722-1760.	24.8	159
78	Enabling Efficient Multi-Keyword Ranked Search Over Encrypted Mobile Cloud Data Through Blind Storage. IEEE Transactions on Emerging Topics in Computing, 2015, 3, 127-138.	3.2	157
79	Security and privacy in mobile crowdsourcing networks: challenges and opportunities. , 2015, 53, 75-81.		157
80	TSVC: timed efficient and secure vehicular communications with privacy preserving. IEEE Transactions on Wireless Communications, 2008, 7, 4987-4998.	6.1	155
81	Utility-Optimal Resource Management and Allocation Algorithm for Energy Harvesting Cognitive Radio Sensor Networks. IEEE Journal on Selected Areas in Communications, 2016, 34, 3552-3565.	9.7	155
82	A Dynamic Privacy-Preserving Key Management Scheme for Location-Based Services in VANETs. IEEE Transactions on Intelligent Transportation Systems, 2012, 13, 127-139.	4.7	154
83	Privacy Leakage of Location Sharing in Mobile Social Networks: Attacks and Defense. IEEE Transactions on Dependable and Secure Computing, 2018, 15, 646-660.	3.7	154
84	Semi-Distributed User Relaying Algorithm for Amplify-and-Forward Wireless Relay Networks. IEEE Transactions on Wireless Communications, 2008, 7, 1348-1357.	6.1	148
85	Delay-Minimization Routing for Heterogeneous VANETs With Machine Learning Based Mobility Prediction. IEEE Transactions on Vehicular Technology, 2019, 68, 3967-3979.	3.9	147
86	Ultra-wideband wireless communications. Wireless Communications and Mobile Computing, 2003, 3, 663-685.	0.8	145
87	Partner selection and incentive mechanism for physical layer security. IEEE Transactions on Wireless Communications, 2015, 14, 4265-4276.	6.1	145
88	SPRING: A Social-based Privacy-preserving Packet Forwarding Protocol for Vehicular Delay Tolerant Networks. , 2010, , .		144
89	S2M: A Lightweight Acoustic Fingerprints-Based Wireless Device Authentication Protocol. IEEE Internet of Things Journal, 2017, 4, 88-100.	5.5	144
90	Energy-Efficient Edge Computing Service Provisioning for Vehicular Networks: A Consensus ADMM Approach. IEEE Transactions on Vehicular Technology, 2019, 68, 5087-5099.	3.9	143

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91	Anonymous Reputation System for IIoT-Enabled Retail Marketing Atop PoS Blockchain. IEEE Transactions on Industrial Informatics, 2019, 15, 3527-3537.	7.2	142
92	Content Popularity Prediction Towards Location-Aware Mobile Edge Caching. IEEE Transactions on Multimedia, 2019, 21, 915-929.	5.2	142
93	Deep Reinforcement Learning for Delay-Oriented IoT Task Scheduling in SAGIN. IEEE Transactions on Wireless Communications, 2021, 20, 911-925.	6.1	142
94	Energy-Aware Traffic Offloading for Green Heterogeneous Networks. IEEE Journal on Selected Areas in Communications, 2016, 34, 1116-1129.	9.7	141
95	A Lightweight Lattice-Based Homomorphic Privacy-Preserving Data Aggregation Scheme for Smart Grid. IEEE Transactions on Smart Grid, 2018, 9, 396-405.	6.2	141
96	Cooperative UAV Cluster-Assisted Terrestrial Cellular Networks for Ubiquitous Coverage. IEEE Journal on Selected Areas in Communications, 2018, 36, 2045-2058.	9.7	141
97	Delay-Optimal Dynamic Mode Selection and Resource Allocation in Device-to-Device Communicationsâ€"Part II: Practical Algorithm. IEEE Transactions on Vehicular Technology, 2016, 65, 3491-3505.	3.9	140
98	A Multi-Hop Broadcast Protocol for Emergency Message Dissemination in Urban Vehicular Ad Hoc Networks. IEEE Transactions on Intelligent Transportation Systems, 2016, 17, 736-750.	4.7	140
99	Security and privacy in RFID and applications in telemedicine. , 2006, 44, 64-72.		139
100	SE-AKA: A secure and efficient group authentication and key agreement protocol for LTE networks. Computer Networks, 2013, 57, 3492-3510.	3.2	137
101	Optimal Power Allocation and Scheduling for Non-Orthogonal Multiple Access Relay-Assisted Networks. IEEE Transactions on Mobile Computing, 2018, 17, 2591-2606.	3.9	137
102	Utility-based asynchronous flow control algorithm for wireless sensor networks. IEEE Journal on Selected Areas in Communications, 2010, 28, 1116-1126.	9.7	136
103	ChainCluster: Engineering a Cooperative Content Distribution Framework for Highway Vehicular Communications. IEEE Transactions on Intelligent Transportation Systems, 2014, 15, 2644-2657.	4.7	136
104	Effective Urban Traffic Monitoring by Vehicular Sensor Networks. IEEE Transactions on Vehicular Technology, 2015, 64, 273-286.	3.9	135
105	Security and privacy for mobile healthcare networks: from a quality of protection perspective. IEEE Wireless Communications, 2015, 22, 104-112.	6.6	134
106	Real-Time Path Planning Based on Hybrid-VANET-Enhanced Transportation System. IEEE Transactions on Vehicular Technology, 2015, 64, 1664-1678.	3.9	134
107	Deep Reinforcement Learning for Collaborative Edge Computing in Vehicular Networks. IEEE Transactions on Cognitive Communications and Networking, 2020, 6, 1122-1135.	4.9	134
108	Simple Channel Sensing Order in Cognitive Radio Networks. IEEE Journal on Selected Areas in Communications, 2011, 29, 676-688.	9.7	132

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109	Secure provenance. , 2010, , .		131
110	3D UAV Trajectory Design and Frequency Band Allocation for Energy-Efficient and Fair Communication: A Deep Reinforcement Learning Approach. IEEE Transactions on Wireless Communications, 2020, 19, 7796-7809.	6.1	130
111	Cooperative Spectrum Access Towards Secure Information Transfer for CRNs. IEEE Journal on Selected Areas in Communications, 2013, 31, 2453-2464.	9.7	129
112	Exploiting mobile crowdsourcing for pervasive cloud services: challenges and solutions. , 2015, 53, 98-105.		129
113	A Survey on Green Mobile Networking: From The Perspectives of Network Operators and Mobile Users. IEEE Communications Surveys and Tutorials, 2015, 17, 1535-1556.	24.8	129
114	Non-line-of-sight error mitigation in TDOA mobile location. , 0, , .		127
115	A cooperative multicast scheduling scheme for multimedia services in IEEE 802.16 networks. IEEE Transactions on Wireless Communications, 2009, 8, 1508-1519.	6.1	126
116	Epidemic Information Dissemination in Mobile Social Networks With Opportunistic Links. IEEE Transactions on Emerging Topics in Computing, 2015, 3, 399-409.	3.2	126
117	Characterizing Urban Vehicle-to-Vehicle Communications for Reliable Safety Applications. IEEE Transactions on Intelligent Transportation Systems, 2020, 21, 2586-2602.	4.7	126
118	Energy-Aware Cooperative Traffic Offloading via Device-to-Device Cooperations: An Analytical Approach. IEEE Transactions on Mobile Computing, 2017, 16, 97-114.	3.9	124
119	Holistic Network Virtualization and Pervasive Network Intelligence for 6G. IEEE Communications Surveys and Tutorials, 2022, 24, 1-30.	24.8	124
120	Real-Time PEV Charging/Discharging Coordination in Smart Distribution Systems. IEEE Transactions on Smart Grid, 2014, 5, 1797-1807.	6.2	123
121	Cooperative Task Scheduling for Computation Offloading in Vehicular Cloud. IEEE Transactions on Vehicular Technology, 2018, 67, 11049-11061.	3.9	123
122	Deep Reinforcement Learning Based Resource Management for Multi-Access Edge Computing in Vehicular Networks. IEEE Transactions on Network Science and Engineering, 2020, 7, 2416-2428.	4.1	123
123	Cooperation in wireless communication networks. IEEE Wireless Communications, 2012, 19, 10-20.	6.6	122
124	A Cloud-Based Scheme for Protecting Source-Location Privacy against Hotspot-Locating Attack in Wireless Sensor Networks. IEEE Transactions on Parallel and Distributed Systems, 2012, 23, 1805-1818.	4.0	121
125	Network cooperation for energy saving in green radio communications. IEEE Wireless Communications, 2011, 18, 76-81.	6.6	120
126	Spectrum-Aware Opportunistic Routing in Multi-Hop Cognitive Radio Networks. IEEE Journal on Selected Areas in Communications, 2012, 30, 1958-1968.	9.7	120

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127	A Distributed Multi-Service Resource Allocation Algorithm in Heterogeneous Wireless Access Medium. IEEE Journal on Selected Areas in Communications, 2012, 30, 425-432.	9.7	120
128	Auction-Based Resource Allocation for Sharing Cloudlets in Mobile Cloud Computing. IEEE Transactions on Emerging Topics in Computing, 2018, 6, 45-57.	3.2	120
129	Vehicular Communication Networks in the Automated Driving Era. IEEE Communications Magazine, 2018, 56, 26-32.	4.9	120
130	Resource management for QoS support in cellular/WLAN interworking. IEEE Network, 2005, 19, 12-18.	4.9	119
131	Complementing public key infrastructure to secure vehicular ad hoc networks [Security and Privacy in Emerging Wireless Networks. IEEE Wireless Communications, 2010, 17, 22-28.	6.6	119
132	MAC in Motion: Impact of Mobility on the MAC of Drive-Thru Internet. IEEE Transactions on Mobile Computing, 2012, 11, 305-319.	3.9	119
133	CAH-MAC: Cooperative ADHOC MAC for Vehicular Networks. IEEE Journal on Selected Areas in Communications, 2013, 31, 470-479.	9.7	119
134	Enabling Strong Privacy Preservation and Accurate Task Allocation for Mobile Crowdsensing. IEEE Transactions on Mobile Computing, 2020, 19, 1317-1331.	3.9	118
135	BECAN: A Bandwidth-Efficient Cooperative Authentication Scheme for Filtering Injected False Data in Wireless Sensor Networks. IEEE Transactions on Parallel and Distributed Systems, 2012, 23, 32-43.	4.0	117
136	Opportunistic Spectrum Access for CR-VANETs: A Game-Theoretic Approach. IEEE Transactions on Vehicular Technology, 2014, 63, 237-251.	3.9	117
137	End-to-End Quality of Service in 5G Networks: Examining the Effectiveness of a Network Slicing Framework. IEEE Vehicular Technology Magazine, 2018, 13, 65-74.	2.8	117
138	Dynamic Radio Resource Slicing for a Two-Tier Heterogeneous Wireless Network. IEEE Transactions on Vehicular Technology, 2018, 67, 9896-9910.	3.9	117
139	Enabling Multi-Hop Concurrent Transmissions in 60 GHz Wireless Personal Area Networks. IEEE Transactions on Wireless Communications, 2011, 10, 3824-3833.	6.1	116
140	Dynamic Spectrum Access in Multi-Channel Cognitive Radio Networks. IEEE Journal on Selected Areas in Communications, 2014, 32, 2053-2064.	9.7	116
141	Depolymerized RG-I-enriched pectin from citrus segment membranes modulates gut microbiota, increases SCFA production, and promotes the growth of <i>Bifidobacterium</i> spp., <i>Lactobacillus</i> spp. and <i>Faecalibaculum</i> spp.. Food and Function, 2019, 10, 7828-7843.	2.1	115
142	Multiple Drone-Cell Deployment Analyses and Optimization in Drone Assisted Radio Access Networks. IEEE Access, 2018, 6, 12518-12529.	2.6	114
143	An Efficient and Fine-Grained Big Data Access Control Scheme With Privacy-Preserving Policy. IEEE Internet of Things Journal, 2017, 4, 563-571.	5.5	112
144	Security and Privacy Challenges in 5G-Enabled Vehicular Networks. IEEE Network, 2020, 34, 37-45.	4.9	112

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145	Application of impulsive synchronization to communication security. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2003, 50, 341-351.	0.1	110
146	Cooperative vehicular content distribution in edge computing assisted 5G-VANET. China Communications, 2018, 15, 1-17.	2.0	110
147	A Comprehensive Simulation Platform for Space-Air-Ground Integrated Network. IEEE Wireless Communications, 2020, 27, 178-185.	6.6	110
148	PEC: A privacy-preserving emergency call scheme for mobile healthcare social networks. Journal of Communications and Networks, 2011, 13, 102-112.	1.8	109
149	RF Energy Harvesting and Transfer in Cognitive Radio Sensor Networks: Opportunities and Challenges. , 2018, 56, 104-110.		108
150	Decentralized Economic Dispatch in Microgrids via Heterogeneous Wireless Networks. IEEE Journal on Selected Areas in Communications, 2012, 30, 1061-1074.	9.7	107
151	Design principles and improvement of cost function based energy aware routing algorithms for wireless sensor networks. Computer Networks, 2012, 56, 1951-1967.	3.2	107
152	Delay-Minimization Nonorthogonal Multiple Access Enabled Multi-User Mobile Edge Computation Offloading. IEEE Journal on Selected Topics in Signal Processing, 2019, 13, 392-407.	7.3	107
153	Optimal UAV Caching and Trajectory in Aerial-Assisted Vehicular Networks: A Learning-Based Approach. IEEE Journal on Selected Areas in Communications, 2020, 38, 2783-2797.	9.7	107
154	Relay Selection and Resource Allocation for Multi-User Cooperative OFDMA Networks. IEEE Transactions on Wireless Communications, 2013, 12, 2193-2205.	6.1	106
155	Performance Analysis of the WLAN-First Scheme in Cellular/WLAN Interworking. IEEE Transactions on Wireless Communications, 2007, 6, 1932-1952.	6.1	105
156	Secure and Energy-Efficient Disjoint Multipath Routing for WSNs. IEEE Transactions on Vehicular Technology, 2012, 61, 3255-3265.	3.9	105
157	Proactive Caching for Mobile Video Streaming in Millimeter Wave 5G Networks. IEEE Transactions on Wireless Communications, 2016, 15, 7187-7198.	6.1	105
158	Adaptive and Channel-Aware Detection of Selective Forwarding Attacks in Wireless Sensor Networks. IEEE Transactions on Wireless Communications, 2016, 15, 3718-3731.	6.1	105
159	Performance Analysis of IEEE 802.11p DCF for Multiplatooning Communications With Autonomous Vehicles. IEEE Transactions on Vehicular Technology, 2017, 66, 2485-2498.	3.9	104
160	Impact of Network Dynamics on User's Video Quality: Analytical Framework and QoS Provision. IEEE Transactions on Multimedia, 2010, 12, 64-78.	5.2	103
161	Footprint: Detecting Sybil Attacks in Urban Vehicular Networks. IEEE Transactions on Parallel and Distributed Systems, 2012, 23, 1103-1114.	4.0	102
162	An SMDP-Based Service Model for Interdomain Resource Allocation in Mobile Cloud Networks. IEEE Transactions on Vehicular Technology, 2012, 61, 2222-2232.	3.9	101

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163	Delay-Optimal Dynamic Mode Selection and Resource Allocation in Device-to-Device Communicationsâ€"Part I: Optimal Policy. IEEE Transactions on Vehicular Technology, 2016, 65, 3474-3490.	3.9	101
164	TOFFEE: Task Offloading and Frequency Scaling for Energy Efficiency of Mobile Devices in Mobile Edge Computing. IEEE Transactions on Cloud Computing, 2021, 9, 1634-1644.	3.1	101
165	Providing Task Allocation and Secure Deduplication for Mobile Crowdsensing via Fog Computing. IEEE Transactions on Dependable and Secure Computing, 2020, 17, 581-594.	3.7	101
166	A Joint Service Migration and Mobility Optimization Approach for Vehicular Edge Computing. IEEE Transactions on Vehicular Technology, 2020, 69, 9041-9052.	3.9	101
167	Device-to-device communication in 5G cellular networks. IEEE Network, 2015, 29, 2-3.	4.9	100
168	An early warning system against malicious activities for smart grid communications. IEEE Network, 2011, 25, 50-55.	4.9	98
169	Queuing models with applications to mode selection in device-to-device communications underlaying cellular networks. IEEE Transactions on Wireless Communications, 2014, 13, 6697-6715.	6.1	98
170	Engineering a Distributed Infrastructure for Large-Scale Cost-Effective Content Dissemination over Urban Vehicular Networks. IEEE Transactions on Vehicular Technology, 2014, 63, 1419-1435.	3.9	98
171	End-to-End Delay Modeling for Embedded VNF Chains in 5G Core Networks. IEEE Internet of Things Journal, 2019, 6, 692-704.	5.5	98
172	Resource Allocation for Cellular-based Inter-Vehicle Communications in Autonomous Multiplatoons. IEEE Transactions on Vehicular Technology, 2017, 66, 11249-11263.	3.9	96
173	Air-Ground Integrated Vehicular Network Slicing With Content Pushing and Caching. IEEE Journal on Selected Areas in Communications, 2018, 36, 2114-2127.	9.7	95
174	Joint Uplink Base Station Association and Power Control for Small-Cell Networks With Non-Orthogonal Multiple Access. IEEE Transactions on Wireless Communications, 2017, 16, 5567-5582.	6.1	94
175	A Data-Driven Architecture for Personalized QoE Management in 5G Wireless Networks. IEEE Wireless Communications, 2017, 24, 102-110.	6.6	94
176	Mobility-Aware Coordinated Charging for Electric Vehicles in VANET-Enhanced Smart Grid. IEEE Journal on Selected Areas in Communications, 2014, 32, 1344-1360.	9.7	93
177	Performance Analysis of Vehicular Device-to-Device Underlay Communication. IEEE Transactions on Vehicular Technology, 2017, 66, 5409-5421.	3.9	93
178	SDN-Based Resource Management for Autonomous Vehicular Networks: A Multi-Access Edge Computing Approach. IEEE Wireless Communications, 2019, 26, 156-162.	6.6	93
179	LeaD: Large-Scale Edge Cache Deployment Based on Spatio-Temporal WiFi Traffic Statistics. IEEE Transactions on Mobile Computing, 2021, 20, 2607-2623.	3.9	93
180	Dynamic RAN Slicing for Service-Oriented Vehicular Networks via Constrained Learning. IEEE Journal on Selected Areas in Communications, 2021, 39, 2076-2089.	9.7	93

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182	Vehicular WiFi offloading: Challenges and solutions. Vehicular Communications, 2014, 1, 13-21.	2.7	92
183	Blockchain-Assisted Public-Key Encryption with Keyword Search Against Keyword Guessing Attacks for Cloud Storage. IEEE Transactions on Cloud Computing, 2021, 9, 1335-1348.	3.1	92
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