Carlos Tavares Calafate

List of Publications by Year
in descending order

317	5,688	101543	133252
papers	citations	36 h-index	59 g-index

319	319	319	4833
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A survey and comparative study of simulators for vehicular ad hoc networks (VANETs). Wireless Communications and Mobile Computing, 2011, 11, 813-828.	1.2	232
2	Emergency Services in Future Intelligent Transportation Systems Based on Vehicular Communication Networks. IEEE Intelligent Transportation Systems Magazine, 2010, 2, 6-20.	3.8	206
3	An overview of vertical handover techniques: Algorithms, protocols and tools. Computer Communications, 2011, 34, 985-997.	5.1	183
4	Trust Management for Vehicular Networks: An Adversary-Oriented Overview. IEEE Access, 2016, 4, 9293-9307.	4.2	155
5	Providing accident detection in vehicular networks through OBD-II devices and Android-based smartphones. , 2011, , .		148
6	Evaluating How Smartphone Contact Tracing Technology Can Reduce the Spread of Infectious Diseases: The Case of COVID-19. IEEE Access, 2020, 8, 99083-99097.	4.2	115
7	DTN Protocols for Vehicular Networks: An Application Oriented Overview. IEEE Communications Surveys and Tutorials, 2015, 17, 868-887.	39.4	114
8	Road Side Unit Deployment: A Density-Based Approach. IEEE Intelligent Transportation Systems Magazine, 2013, 5, 30-39.	3.8	108
9	Flying ad-hoc network application scenarios and mobility models. International Journal of Distributed Sensor Networks, 2017, 13, 155014771773819.	2.2	107
10	Breaking the Vehicular Wireless Communications Barriers: Vertical Handover Techniques for Heterogeneous Networks. IEEE Transactions on Vehicular Technology, 2015, 64, 5878-5890.	6.3	87
11	Crowdsensing in Smart Cities: Overview, Platforms, and Environment Sensing Issues. Sensors, 2018, 18, 460.	3.8	84
12	Automatic Accident Detection: Assistance Through Communication Technologies and Vehicles. IEEE Vehicular Technology Magazine, 2012, 7, 90-100.	3.4	80
13	Improving Selfish Node Detection in MANETs Using a Collaborative Watchdog. IEEE Communications Letters, 2012, 16, 642-645.	4.1	79
14	Using UAV-Based Systems to Monitor Air Pollution in Areas with Poor Accessibility. Journal of Advanced Transportation, 2017, 2017, 1-14.	1.7	79
15	CoCoWa: A Collaborative Contact-Based Watchdog for Detecting Selfish Nodes. IEEE Transactions on Mobile Computing, 2015, 14, 1162-1175.	5.8	76
16	T-VNets: A novel trust architecture for vehicular networks using the standardized messaging services of ETSI ITS. Computer Communications, 2016, 93, 68-83.	5.1	73
17	Optimal model for path loss predictions using feed-forward neural networks. Cogent Engineering, 2018, 5, 1444345.	2.2	73
18	Drivingstyles: a mobile platform for driving styles and fuel consumption characterization. Journal of Communications and Networks, 2017, 19, 162-168.	2.6	71

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19	Evaluating the impact of a novel message dissemination scheme for vehicular networks using real maps. Transportation Research Part C: Emerging Technologies, 2012, 25, 61-80.	7.6	62
20	DrivingStyles: A smartphone application to assess driver behavior. , 2013, , .		60
21	TACASHI: Trust-Aware Communication Architecture for Social Internet of Vehicles. IEEE Internet of Things Journal, 2019, 6, 5870-5877.	8.7	59
22	Modeling and Characterization of Traffic Flows in Urban Environments. Sensors, 2018, 18, 2020.	3.8	56
23	A System for Automatic Notification and Severity Estimation of Automotive Accidents. IEEE Transactions on Mobile Computing, 2014, 13, 948-963.	5.8	55
24	Path Loss Predictions in the VHF and UHF Bands Within Urban Environments: Experimental Investigation of Empirical, Heuristics and Geospatial Models. IEEE Access, 2019, 7, 77293-77307.	4.2	55
25	A Centralized Route-Management Solution for Autonomous Vehicles in Urban Areas. Electronics (Switzerland), 2019, 8, 722.	3.1	53
26	Accurate Landing of Unmanned Aerial Vehicles Using Ground Pattern Recognition. Electronics (Switzerland), 2019, 8, 1532.	3.1	53
27	Internet of Flying Things (IoFT): A Survey. Computer Communications, 2021, 165, 53-74.	5.1	53
28	Realistic Radio Propagation Models (RPMs) for VANET Simulations. , 2009, , .		52
29	Sensing Traffic Density Combining V2V and V2I Wireless Communications. Sensors, 2015, 15, 31794-31810.	3.8	48
30	TFDD: A trust-based framework for reliable data delivery and DoS defense in VANETs. Vehicular Communications, 2017, 9, 254-267.	4.0	48
31	Computer Simulations of VANETs Using Realistic City Topologies. Wireless Personal Communications, 2013, 69, 639-663.	2.7	46
32	Mobile crowdsensing approaches to address the COVIDâ€19 pandemic in Spain. IET Smart Cities, 2020, 2, 58-63.	3.1	46
33	VEACON: A Vehicular Accident Ontology designed to improve safety on the roads. Journal of Network and Computer Applications, 2012, 35, 1891-1900.	9.1	45
34	Securing Warning Message Dissemination in VANETs Using Cooperative Neighbor Position Verification. IEEE Transactions on Vehicular Technology, 2015, 64, 2538-2550.	6.3	44
35	A Survey and Comparative Study of Broadcast Warning Message Dissemination Schemes for VANETs. Mobile Information Systems, 2016, 2016, 1-18.	0.6	42
36	Accurate Ambient Noise Assessment Using Smartphones. Sensors, 2017, 17, 917.	3.8	42

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37	RTAD: A real-time adaptive dissemination system for VANETs. Computer Communications, 2015, 60, 53-70.	5.1	41
38	Evaluating the Effectiveness of COVID-19 Bluetooth-Based Smartphone Contact Tracing Applications. Applied Sciences (Switzerland), 2020, 10, 7113.	2.5	39
39	QoS Support in MANETs: a Modular Architecture Based on the IEEE 802.11e Technology. IEEE Transactions on Circuits and Systems for Video Technology, 2009, 19, 678-692.	8.3	38
40	Prototyping an automatic notification scheme for traffic accidents in vehicular networks. , 2011, , .		38
41	Evaluation of flooding schemes for real-time video transmission in VANETs. Ad Hoc Networks, 2015, 24, 3-20.	5.5	38
42	A novel approach for traffic accidents sanitary resource allocation based on multi-objective genetic algorithms. Expert Systems With Applications, 2013, 40, 323-336.	7.6	35
43	An Infrastructureless Approach to Estimate Vehicular Density in Urban Environments. Sensors, 2013, 13, 2399-2418.	3.8	35
44	OLSR vs DSR: A comparative analysis of proactive and reactive mechanisms from an energetic point of view in wireless ad hoc networks. Computer Communications, 2008, 31, 3843-3854.	5.1	34
45	A UAV-Based Content Delivery Architecture for Rural Areas and Future Smart Cities. IEEE Internet Computing, 2019, 23, 29-36.	3.3	34
46	A V2I-Based Real-Time Traffic Density Estimation System in Urban Scenarios. Wireless Personal Communications, 2015, 83, 259-280.	2.7	33
47	Reducing emergency services arrival time by using vehicular communications and Evolution Strategies. Expert Systems With Applications, 2014, 41, 1206-1217.	7.6	32
48	Assessing the Impact of a Realistic Radio Propagation Model on VANET Scenarios Using Real Maps. , 2010, , .		31
49	Roadside Unit Deployment in Internet of Vehicles Systems: A Survey. Sensors, 2022, 22, 3190.	3.8	31
50	A distributed admission control system for MANET environments supporting multipath routing protocols. Microprocessors and Microsystems, 2007, 31, 236-251.	2.8	30
51	Evaluating the Impact of a Novel Warning Message Dissemination Scheme for VANETs Using Real City Maps. Lecture Notes in Computer Science, 2010, , 265-276.	1.3	30
52	Assessing the impact of driving behavior on instantaneous fuel consumption. , 2015, , .		30
53	A Street Broadcast Reduction Scheme (SBR) to Mitigate the Broadcast Storm Problem in VANETs. Wireless Personal Communications, 2011, 56, 559-572.	2.7	29
54	An efficient and robust content delivery solution for IEEE 802.11p vehicular environments. Journal of Network and Computer Applications, 2012, 35, 753-762.	9.1	29

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55	V2X-d: A vehicular density estimation system that combines V2V and V2I communications. , 2013, , .		29
56	An Adaptive Anycasting Solution for Crowd Sensing in Vehicular Environments. IEEE Transactions on Industrial Electronics, 2015, 62, 7911-7919.	7.9	29
57	Experimental characterization of UAV-to-car communications. Computer Networks, 2018, 136, 105-118.	5.1	29
58	Evaluating Energy Consumption of Proactive and Reactive Routing Protocols in a MANET. International Federation for Information Processing, 2007, , 119-130.	0.4	29
59	A Fast Model for Evaluating the Detection of Selfish Nodes Using a Collaborative Approach in MANETs. Wireless Personal Communications, 2014, 74, 1099-1116.	2.7	28
60	An Intelligent Transportation System Application for Smartphones Based on Vehicle Position Advertising and Route Sharing in Vehicular Ad-Hoc Networks. Journal of Computer Science and Technology, 2018, 33, 249-262.	1.5	28
61	A Location-Aware Waypoint-Based Routing Protocol for Airborne DTNs in Search and Rescue Scenarios. Sensors, 2018, 18, 3758.	3.8	28
62	ArduSim: Accurate and real-time multicopter simulation. Simulation Modelling Practice and Theory, 2018, 87, 170-190.	3.8	28
63	An Adaptive System Based on Roadmap Profiling to Enhance Warning Message Dissemination in VANETs. IEEE/ACM Transactions on Networking, 2013, 21, 883-895.	3.8	27
64	A Realistic Simulation Framework for Vehicular Networks. , 2012, , .		27
65	A Survey on Smartphone-Based Crowdsensing Solutions. Mobile Information Systems, 2016, 2016, 1-26.	0.6	25
66	VACaMobil: VANET Car Mobility Manager for OMNeT++. , 2013, , .		24
67	Towards Realistic Urban Traffic Experiments Using DFROUTER: Heuristic, Validation and Extensions. Sensors, 2017, 17, 2921.	3.8	24
68	UNION: A Trust Model Distinguishing Intentional and Unintentional Misbehavior in Inter-UAV Communication. Journal of Advanced Transportation, 2018, 2018, 1-12.	1.7	24
69	Path loss predictions for multi-transmitter radio propagation in VHF bands using Adaptive Neuro-Fuzzy Inference System. Engineering Science and Technology, an International Journal, 2018, 21, 679-691.	3.2	24
70	Evaluation of the H.264 Scalable Video Coding in Error Prone IP Networks. IEEE Transactions on Broadcasting, 2008, 54, 652-659.	3.2	22
71	Traffic Management as a Service: The Traffic Flow Pattern Classification Problem. Mathematical Problems in Engineering, 2015, 2015, 1-14.	1.1	22
72	A Discretized Approach to Air Pollution Monitoring Using UAV-based Sensing. Mobile Networks and Applications, 2018, 23, 1693-1702.	3.3	22

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73	Indoor Vehicles Geolocalization Using LoRaWAN. Future Internet, 2019, 11, 124.	3.8	22
74	NOTA: a novel online teaching and assessment scheme using Blockchain for emergency cases. Education and Information Technologies, 2022, 27, 115-132.	5.7	22
75	GRCBox: Extending Smartphone Connectivity in Vehicular Networks. International Journal of Distributed Sensor Networks, 2015, 11, 478064.	2.2	22
76	CAOVA: A Car Accident Ontology for VANETs. , 2012, , .		21
77	Evaluating and Enhancing Information Dissemination in Urban Areas of Interest Using Opportunistic Networks. IEEE Access, 2018, 6, 32514-32531.	4.2	21
78	Quality assessment metrics vs. PSNR under packet lossscenarios in manet wireless networks. , 2007, , .		20
79	A distance vector routing protocol for VANET environment with Dynamic Frequency assignment. , 2011, , .		20
80	An Integral Model for Target Tracking Based on the Use of a WSN. Sensors, 2013, 13, 7250-7278.	3.8	20
81	Assessing the Impact of Continuous Evaluation Strategies: Tradeoff Between Student Performance and Instructor Effort. IEEE Transactions on Education, 2016, 59, 17-23.	2.4	20
82	On the Correlation Between Heart Rate and Driving Style in Real Driving Scenarios. Mobile Networks and Applications, 2018, 23, 128-135.	3.3	20
83	Determining the Representative Factors Affecting Warning Message Dissemination in VANETs. Wireless Personal Communications, 2012, 67, 295-314.	2.7	19
84	Using topology and neighbor information to overcome adverse vehicle density conditions. Transportation Research Part C: Emerging Technologies, 2014, 42, 1-13.	7.6	19
85	On the impact of inter-UAV communications interference in the 2.4 GHz band. , 2017, , .		19
86	Flood Detection Using Real-Time Image Segmentation from Unmanned Aerial Vehicles on Edge-Computing Platform. Remote Sensing, 2022, 14, 223.	4.0	19
87	ns-2 vs. OPNET: a comparative study of the IEEE 802.11e technology on MANET environments. , 2008, , .		18
88	Evaluation of a technology-aware vertical handover algorithm based on the IEEE 802.21 standard. , 2011, , .		18
89	TROUVE: A trusted routing protocol for urban vehicular environments. , 2015, , .		18
90	RITA: RIskâ€aware Trustâ€based Architecture for collaborative multiâ€hop vehicular communications. Security and Communication Networks, 2016, 9, 4428-4442.	1.5	18

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91	Standard Propagation Model Tuning for Path Loss Predictions in Built-Up Environments. Lecture Notes in Computer Science, 2017, , 363-375.	1.3	18
92	Mobile Pollution Data Sensing Using UAVs. , 2015, , .		17
93	A Distributed Approach for Collision Avoidance between Multirotor UAVs Following Planned Missions. Sensors, 2019, 19, 2404.	3.8	17
94	Three Dimensional UAV Positioning for Dynamic UAV-to-Car Communications. Sensors, 2020, 20, 356.	3.8	17
95	Power Characterization of a Bluetooth-based Wireless Node for Ubiquitous Computing. , 2006, , .		16
96	Supporting Scalable Video Transmission in MANETs through Distributed Admission Control Mechanisms. , 2010, , .		16
97	Towards realistic vehicular network simulation models. , 2012, , .		16
98	New approaches for characterizing inter-contact times in opportunistic networks. Ad Hoc Networks, 2016, 52, 160-172.	5.5	16
99	A performance evaluation of warning message dissemination in 802.11p based VANETs. , 2009, , .		15
100	Black-Hole Attacks in P2P Mobile Networks Discovered through Bayesian Filters. Lecture Notes in Computer Science, 2010, , 543-552.	1.3	15
101	Evaluating UAV-to-Car Communications Performance: From Testbed to Simulation Experiments. , 2019, , .		15
102	MUSCOP: Mission-Based UAV Swarm Coordination Protocol. IEEE Access, 2020, 8, 72498-72511.	4.2	15
103	A Markovian Agent Model for Fire Propagation in Outdoor Environments. Lecture Notes in Computer Science, 2010, , 131-146.	1.3	15
104	BlueMall. , 2008, , .		14
105	Evaluation of collaborative selfish node detection in MANETS and DTNs. , 2012, , .		14
106	Evaluating the Feasibility of Using Smartphones for ITS Safety Applications. , 2013, , .		14
107	An Analytical Model Based on Population Processes to Characterize Data Dissemination in 5G Opportunistic Networks. IEEE Access, 2018, 6, 1603-1615.	4.2	14
108	GRC-Sensing: An Architecture to Measure Acoustic Pollution Based on Crowdsensing. Sensors, 2018, 18, 2596.	3.8	14

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109	3D Simulation Modeling of UAV-to-Car Communications. IEEE Access, 2019, 7, 8808-8823.	4.2	14
110	Wireless digital traffic signs of the future. IET Networks, 2019, 8, 74-78.	1.8	14
111	AC-RDV: a novel ant colony system for roadside units deployment in vehicular ad hoc networks. Peer-to-Peer Networking and Applications, 2021, 14, 627-643.	3.9	14
112	On the Interaction Between IEEE 802.11e and Routing Protocols in Mobile Ad-Hoc Networks. , 0, , .		13
113	Analysis of the Most Representative Factors Affecting Warning Message Dissemination in VANETs under Real Roadmaps. , 2011, , .		13
114	Identifying the Key Factors Affecting Warning Message Dissemination in VANET Real Urban Scenarios. Sensors, 2013, 13, 5220-5250.	3.8	13
115	An Architecture Offering Mobile Pollution Sensing with High Spatial Resolution. Journal of Sensors, 2016, 2016, 1-13.	1.1	13
116	Supporting Beacon and Event-Driven Messages in Vehicular Platoons through Token-Based Strategies. Sensors, 2018, 18, 955.	3.8	13
117	Automatic system supporting multicopter swarms with manual guidance. Computers and Electrical Engineering, 2019, 74, 413-428.	4.8	13
118	Assessing the effectiveness of IEEE 802.11e in multi-hop mobile network environments. , 0, , .		12
119	Castadiva: A Test-Bed Architecture for Mobile AD HOC Networks. , 2007, , .		12
120	MACHU: A novel vertical handover algorithm for vehicular environments. , 2012, , .		12
121	Friendly-Sharing: Improving the Performance of City Sensoring through Contact-Based Messaging Applications. Sensors, 2016, 16, 1523.	3.8	12
122	Improving MQTT Data Delivery in Mobile Scenarios: Results from a Realistic Testbed. Mobile Information Systems, 2016, 2016, 1-11.	0.6	12
123	EcoSensor: Monitoring environmental pollution using mobile sensors. , 2016, , .		12
124	A methodology for measuring UAV-to-UAV communications performance. , 2017, , .		12
125	Evaluating the use of sub-gigahertz wireless technologies to improve message delivery in opportunistic networks. , 2017, , .		12
126	AI-Enabled Autonomous Drones for Fast Climate Change Crisis Assessment. IEEE Internet of Things Journal, 2022, 9, 7286-7297.	8.7	12

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127	A reliable token-based MAC protocol for V2V communication in urban VANET. , 2016, , .		11
128	Trust-Aware Opportunistic Dissemination Scheme for VANET Safety Applications. , 2016, , .		11
129	Analytical evaluation of the performance of contact-Based messaging applications. Computer Networks, 2016, 111, 45-54.	5.1	11
130	A chemotactic pollution-homing UAV guidance system. , 2017, , .		11
131	Efficient and coordinated vertical takeoff of UAV swarms. , 2020, , .		11
132	Toward secure, efficient, and seamless reconfiguration of UAV swarm formations. , 2020, , .		11
133	Optimising data diffusion while reducing local resources consumption in Opportunistic Mobile Crowdsensing. Pervasive and Mobile Computing, 2020, 67, 101201.	3.3	11
134	Mitigating the impact of mobility on H.264 real-time video streams using multiple paths. Journal of Communications and Networks, 2004, 6, 387-396.	2.6	10
135	A QoS architecture for MANETs supporting real-time peer-to-peer multimedia applications. , 0, , .		10
136	Comprehensive Vehicular Networking Platform for V2I and V2V Communications within the Walkie-Talkie Project. International Journal of Distributed Sensor Networks, 2013, 9, 676850.	2.2	10
137	On the selection of optimal broadcast schemes in VANETs. , 2013, , .		10
138	Evaluating the Impact of Data Transfer Time in Contact-Based Messaging Applications. IEEE Communications Letters, 2015, 19, 1814-1817.	4.1	10
139	Using Real Traffic Data for ITS Simulation: Procedure and Validation. , 2016, , .		10
140	FSF: Friendship and selfishness forwarding for Delay Tolerant Networks. , 2016, , .		10
141	A Forward Collision Warning System for Smartphones Using Image Processing and V2V Communication. Sensors, 2018, 18, 2672.	3.8	10
142	A LoRa-based protocol for connecting IoT edge computing nodes to provide small-data-based services. Digital Communications and Networks, 2022, 8, 257-266.	5.0	10
143	Using Data Mining and Vehicular Networks to Estimate the Severity of Traffic Accidents. Advances in Intelligent Systems and Computing, 2012, , 37-46.	0.6	10
144	UAV Mobility model for dynamic UAV-to-car communications in 3D environments. Ad Hoc Networks, 2020, 107, 102193.	5.5	10

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145	Testing Applications in MANET Environments through Emulation. Eurasip Journal on Wireless Communications and Networking, 2010, 2009, .	2.4	9
146	Accurate detection of black holes in MANETs using collaborative bayesian watchdogs. , 2012, , .		9
147	Evaluating H.265 real-time video flooding quality in highway V2V environments. , 2014, , .		9
148	Hierarchical adaptive trust establishment solution for vehicular networks. , 2016, , .		9
149	An Android ITS Driving Safety Application Based on Vehicle-to-Vehicle (V2V) Communications. , 2017, , .		9
150	Fog Computing in IoT Smart Environments via Named Data Networking: A Study on Service Orchestration Mechanisms. Future Internet, 2019, 11, 222.	3.8	9
151	BlueFriend: Using Bluetooth technology for mobile social networking. , 2009, , .		9
152	A low-cost embedded IDS to monitor and prevent Man-in-the-Middle attacks on wired LAN environments. , 2007, , .		8
153	Assessing the feasibility of a VANET driver warning system. , 2009, , .		8
154	A Reliable Token-Based MAC Protocol for Delay Sensitive Platooning Applications. , 2015, , .		8
155	Evaluating UAV-to-Car Communications Performance: Testbed Experiments. , 2018, , .		8
156	Optimising message broadcasting in opportunistic networks. Computer Communications, 2020, 157, 162-178.	5.1	8
157	A novel resilient and reconfigurable swarm management scheme. Computer Networks, 2021, 194, 108119.	5.1	8
158	Evaluating the Performance of Real Time Videoconferencing in Ad Hoc Networks Through Emulation. , 2008, , .		7
159	EasyMANET: an extensible and configurable platform for service provisioning in MANET environments. , 2010, 48, 159-167.		7
160	An overview of anonymous communications in mobile ad hoc networks. Wireless Communications and Mobile Computing, 2012, 12, 661-675.	1.2	7
161	Assessing the IEEE 802.11e QoS effectiveness in multi-hop indoor scenarios. Ad Hoc Networks, 2012, 10, 186-198.	5.5	7
162	A Collaborative Bayesian Watchdog for Detecting Black Holes in MANETs. Studies in Computational Intelligence, 2013, , 221-230.	0.9	7

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163	RCDP: Raptor-based content delivery protocol for unicast communication in wireless networks for ITS. Journal of Communications and Networks, 2013, 15, 198-206.	2.6	7
164	I-VDE: A Novel Approach to Estimate Vehicular Density by Using Vehicular Networks. Lecture Notes in Computer Science, 2013, , 63-74.	1.3	7
165	EYES: A Novel Overtaking Assistance System for Vehicular Networks. Lecture Notes in Computer Science, 2015, , 375-389.	1.3	7
166	Estimating rainfall intensity by using vehicles as sensors. , 2017, , .		7
167	FSF: Applying Machine Learning Techniques to Data Forwarding in Socially Selfish Opportunistic Networks. Sensors, 2019, 19, 2374.	3.8	7
168	WATERSensing: A Smart Warning System for Natural Disasters in Spain. IEEE Consumer Electronics Magazine, 2021, 10, 89-96.	2.3	7
169	Multi-Constrained and Edge-Enabled Selection of UAV Participants in Federated Learning Process. Electronics (Switzerland), 2022, 11, 2119.	3.1	7
170	Optimizing the implementation of a MANET routing protocol in a heterogeneous environment. , 0, , .		6
171	Evaluation of the energetic impact of Bluetooth low-power modes for ubiquitous computing applications. , 2006, , .		6
172	Design and Validation of a Low-Power Network Node for Pervasive Applications. , 2007, , .		6
173	Modeling emergency events to evaluate the performance of time-critical WSNs. , 2010, , .		6
174	Robust multipoint and multi-layered transmission of H.264/SVC with Raptor codes. Telecommunication Systems, 2012, 49, 113-128.	2.5	6
175	TEEM: Trust-based Energy-Efficient Distributed Monitoring for Mobile Ad-hoc Networks. , 2017, , .		6
176	Friendly-drop: A social-based buffer management algorithm for opportunistic networks. , 2018, , .		6
177	optimizing UAV-to-Car Communications in 3D Environments Through Dynamic UAV Positioning. , 2019, , .		6
178	A vision-based system for autonomous vertical landing of unmanned aerial vehicles. , 2019, , .		6
179	UAV Mobility Model for Dynamic UAV-to-Car Communications. , 2019, , .		6
180	An UAV Swarm Coordination Protocol Supporting Planned Missions. , 2019, , .		6

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181	The Internet of Things for Smart Environments. Future Internet, 2020, 12, 51.	3.8	6
182	Application of Computational Intelligence Algorithms in Radio Propagation: A Systematic Review and Metadata Analysis. Mobile Information Systems, 2021, 2021, 1-20.	0.6	6
183	FUDGE. , 2020, , .		6
184	Building a research prototype to provide pervasive services in hospitals. , 2008, , .		5
185	Assessing the best strategy to improve the stability of scalable video transmission in MANETs. , 2011, , .		5
186	A Map-based Sensor data Delivery Protocol for vehicular networks. , 2012, , .		5
187	Assessing the effectiveness of DTN techniques under realistic urban environments. , 2013, , .		5
188	On the use of a Cooperative Neighbor Position Verification scheme to secure warning message dissemination in VANETs. , 2013, , .		5
189	Validation of a vehicle emulation platform supporting OBD-II communications. , 2015, , .		5
190	DTB-MAC: Dynamic Token-Based MAC Protocol for reliable and efficient beacon broadcasting in VANETs. , 2015, , .		5
191	A novel On-Board Unit to accelerate the penetration of ITS services. , 2016, , .		5
192	Selecting the optimal buffer management for opportunistic networks both in pedestrian and vehicular contexts. , 2017, , .		5
193	A density-based contention window control scheme for unicast communications in vehicular ad hoc networks. International Journal of Ad Hoc and Ubiquitous Computing, 2017, 24, 65.	0.5	5
194	FALCON: A new approach for the evaluation of opportunistic networks. Ad Hoc Networks, 2018, 81, 109-121.	5.5	5
195	Unmanned Aerial Vehiclesâ€"Platforms, Applications, Security and Services. Electronics (Switzerland), 2020, 9, 975.	3.1	5
196	Towards a Sustainable City for Cyclists: Promoting Safety through a Mobile Sensing Application. Sensors, 2021, 21, 2116.	3.8	5
197	Speeding up the evaluation of multimedia streaming applications in MANETs using HMMs. , 2004, , .		4
198	Evaluation of the Trade-Off between Power Consumption and Performance in Bluetooth Based Systems. , 2007, , .		4

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199	A Wireless Mesh Network-based System for Hotspots Deployment and Management. , 2007, , .		4
200	A Comprehensive Methodology for Concept Map Assessment. , 2009, , .		4
201	Multi-Layer Performance Evaluation of a Content Delivery Framework for Urban Vehicular Networks. , 2010, , .		4
202	Performance Trade-Offs of a IEEE 802.21-Based Vertical Handover Decision Algorithm under Different Network Conditions. , 2011, , .		4
203	PAWDS: A Roadmap Profile-Driven Adaptive System for Alert Dissemination in VANETs. , 2011, , .		4
204	Studying the feasibility of IEEE 802.15.4-Based WSNs for gas and fire tracking applications through simulation. , 2011, , .		4
205	HOP: Achieving Efficient Anonymity in MANETs by Combining HIP, OLSR, and Pseudonyms. Eurasip Journal on Wireless Communications and Networking, 2011, 2011, .	2.4	4
206	Using roadmap profiling to enhance the warning message dissemination in vehicular environments. , 2011, , .		4
207	Implementing and testing a driving safety application for smartphones based on the eMDR protocol. , 2012, , .		4
208	A geolocation-based Vertical Handover Decision Algorithm for Vehicular Networks. , 2012, , .		4
209	V2X solutions for real-time video collection. , 2014, , .		4
210	An ITS solution providing real-time visual overtaking assistance using smartphones. , 2015, , .		4
211	Analysis and Classification of the Vehicular Traffic Distribution in an Urban Area. Lecture Notes in Computer Science, 2017, , 121-134.	1.3	4
212	Empirical Study and Modeling of Vehicular Communications at Intersections in the 5â€‰GHz Band. Mobile Information Systems, 2017, 2017, 1-15.	0.6	4
213	Assessing the Impact of Mobility on LoRa Communications. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2018, , 75-81.	0.3	4
214	MBCAP: Mission Based Collision Avoidance Protocol for UAVs. , 2018, , .		4
215	Providing resilience to UAV swarms following planned missions. , 2020, , .		4
216	Mitigating Electromagnetic Noise When Using Low-Cost Devices in Industry 4.0. IEEE Access, 2021, 9, 63267-63282.	4.2	4

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218	Communication Technologies Enabling Effective UAV Networks: A Standards Perspective. IEEE Communications Standards Magazine, 2021, 5, 33-40.	4.9	4
219	A flexible and tunable route discovery mechanism for on-demand protocols. , 2004, , .		3
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