

Juan-Carlos Cano

List of Publications by Year in descending order

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308
papers

5,747
citations

109321

35
h-index

133252

59
g-index

309
all docs

309
docs citations

309
times ranked

4775
citing authors

#	ARTICLE	IF	CITATIONS
1	A survey and comparative study of simulators for vehicular <i>ad hoc</i> 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	Routing mechanisms for mobile ad hoc networks based on the energy drain rate. IEEE Transactions on Mobile Computing, 2003, 2, 161-173.	5.8	162
5	Trust Management for Vehicular Networks: An Adversary-Oriented Overview. IEEE Access, 2016, 4, 9293-9307.	4.2	155
6	Providing accident detection in vehicular networks through OBD-II devices and Android-based smartphones. , 2011, , .		148
7	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
8	DTN Protocols for Vehicular Networks: An Application Oriented Overview. IEEE Communications Surveys and Tutorials, 2015, 17, 868-887.	39.4	114
9	Road Side Unit Deployment: A Density-Based Approach. IEEE Intelligent Transportation Systems Magazine, 2013, 5, 30-39.	3.8	108
10	Flying ad-hoc network application scenarios and mobility models. International Journal of Distributed Sensor Networks, 2017, 13, 155014771773819.	2.2	107
11	A performance comparison of energy consumption for Mobile Ad Hoc Network routing protocols. , 0, , .		104
12	A comparative evaluation of AMQP and MQTT protocols over unstable and mobile networks. , 2015, , .		99
13	Breaking the Vehicular Wireless Communications Barriers: Vertical Handover Techniques for Heterogeneous Networks. IEEE Transactions on Vehicular Technology, 2015, 64, 5878-5890.	6.3	87
14	Crowdsensing in Smart Cities: Overview, Platforms, and Environment Sensing Issues. Sensors, 2018, 18, 460.	3.8	84
15	Automatic Accident Detection: Assistance Through Communication Technologies and Vehicles. IEEE Vehicular Technology Magazine, 2012, 7, 90-100.	3.4	80
16	Improving Selfish Node Detection in MANETs Using a Collaborative Watchdog. IEEE Communications Letters, 2012, 16, 642-645.	4.1	79
17	CoCoWa: A Collaborative Contact-Based Watchdog for Detecting Selfish Nodes. IEEE Transactions on Mobile Computing, 2015, 14, 1162-1175.	5.8	76
18	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

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19	Drivingstyles: a mobile platform for driving styles and fuel consumption characterization. Journal of Communications and Networks, 2017, 19, 162-168.	2.6	71
20	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
21	DrivingStyles: A smartphone application to assess driver behavior. , 2013, , .		60
22	TACASHI: Trust-Aware Communication Architecture for Social Internet of Vehicles. IEEE Internet of Things Journal, 2019, 6, 5870-5877.	8.7	59
23	Performance evaluation of edge-computing platforms for the prediction of low temperatures in agriculture using deep learning. Journal of Supercomputing, 2021, 77, 818-840.	3.6	58
24	Modeling and Characterization of Traffic Flows in Urban Environments. Sensors, 2018, 18, 2020.	3.8	56
25	A System for Automatic Notification and Severity Estimation of Automotive Accidents. IEEE Transactions on Mobile Computing, 2014, 13, 948-963.	5.8	55
26	A Centralized Route-Management Solution for Autonomous Vehicles in Urban Areas. Electronics (Switzerland), 2019, 8, 722.	3.1	53
27	Accurate Landing of Unmanned Aerial Vehicles Using Ground Pattern Recognition. Electronics (Switzerland), 2019, 8, 1532.	3.1	53
28	Realistic Radio Propagation Models (RPMs) for VANET Simulations. , 2009, , .		52
29	Power-aware routing based on the energy drain rate for mobile ad hoc networks. , 0, , .		50
30	Sensing Traffic Density Combining V2V and V2I Wireless Communications. Sensors, 2015, 15, 31794-31810.	3.8	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 COVID-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	UbiqMuseum: A Bluetooth and Java Based Context-Aware System for Ubiquitous Computing. Wireless Personal Communications, 2006, 38, 187-202.	2.7	40
39	Evaluating the Effectiveness of COVID-19 Bluetooth-Based Smartphone Contact Tracing Applications. Applied Sciences (Switzerland), 2020, 10, 7113.	2.5	39
40	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
41	Prototyping an automatic notification scheme for traffic accidents in vehicular networks. , 2011, , .		38
42	Evaluation of flooding schemes for real-time video transmission in VANETs. Ad Hoc Networks, 2015, 24, 3-20.	5.5	38
43	A novel DSR-based energy-efficient routing algorithm for mobile ad-hoc networks. , 2003, , .		37
44	Predicting Traffic lights to Improve Urban Traffic Fuel Consumption. , 2006, , .		36
45	Evaluating the energy-consumption reduction in a MANET by dynamically switching-off network interfaces. , 0, , .		35
46	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
47	An Infrastructureless Approach to Estimate Vehicular Density in Urban Environments. Sensors, 2013, 13, 2399-2418.	3.8	35
48	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
49	A V2I-Based Real-Time Traffic Density Estimation System in Urban Scenarios. Wireless Personal Communications, 2015, 83, 259-280.	2.7	33
50	Handling mobility in IoT applications using the MQTT protocol. , 2015, , .		33
51	Reducing emergency services arrival time by using vehicular communications and Evolution Strategies. Expert Systems With Applications, 2014, 41, 1206-1217.	7.6	32
52	Assessing the Impact of a Realistic Radio Propagation Model on VANET Scenarios Using Real Maps. , 2010, , .		31
53	A distributed admission control system for MANET environments supporting multipath routing protocols. Microprocessors and Microsystems, 2007, 31, 236-251.	2.8	30
54	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

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55	Assessing the impact of driving behavior on instantaneous fuel consumption. , 2015, , .		30
56	A Street Broadcast Reduction Scheme (SBR) to Mitigate the Broadcast Storm Problem in VANETs. Wireless Personal Communications, 2011, 56, 559-572.	2.7	29
57	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
58	V2X-d: A vehicular density estimation system that combines V2V and V2I communications. , 2013, , .		29
59	An Adaptive Anycasting Solution for Crowd Sensing in Vehicular Environments. IEEE Transactions on Industrial Electronics, 2015, 62, 7911-7919.	7.9	29
60	Experimental characterization of UAV-to-car communications. Computer Networks, 2018, 136, 105-118.	5.1	29
61	Evaluating Energy Consumption of Proactive and Reactive Routing Protocols in a MANET. International Federation for Information Processing, 2007, , 119-130.	0.4	29
62	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
63	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
64	A Location-Aware Waypoint-Based Routing Protocol for Airborne DTNs in Search and Rescue Scenarios. Sensors, 2018, 18, 3758.	3.8	28
65	ArduSim: Accurate and real-time multicopter simulation. Simulation Modelling Practice and Theory, 2018, 87, 170-190.	3.8	28
66	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
67	A Realistic Simulation Framework for Vehicular Networks. , 2012, , .		27
68	A Survey on Smartphone-Based Crowdsensing Solutions. Mobile Information Systems, 2016, 2016, 1-26.	0.6	25
69	VACaMobil: VANET Car Mobility Manager for OMNeT++. , 2013, , .		24
70	Towards Realistic Urban Traffic Experiments Using DFROUTER: Heuristic, Validation and Extensions. Sensors, 2017, 17, 2921.	3.8	24
71	UNION: A Trust Model Distinguishing Intentional and Unintentional Misbehavior in Inter-UAV Communication. Journal of Advanced Transportation, 2018, 2018, 1-12.	1.7	24
72	Social Network Analysis Based Localization Technique with Clustered Closeness Centrality for 3D Wireless Sensor Networks. Electronics (Switzerland), 2020, 9, 738.	3.1	23

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73	Traffic Management as a Service: The Traffic Flow Pattern Classification Problem. Mathematical Problems in Engineering, 2015, 2015, 1-14.	1.1	22
74	A Discretized Approach to Air Pollution Monitoring Using UAV-based Sensing. Mobile Networks and Applications, 2018, 23, 1693-1702.	3.3	22
75	Indoor Vehicles Geolocalization Using LoRaWAN. Future Internet, 2019, 11, 124.	3.8	22
76	NOTA: a novel online teaching and assessment scheme using Blockchain for emergency cases. Education and Information Technologies, 2022, 27, 115-132.	5.7	22
77	GRCBox: Extending Smartphone Connectivity in Vehicular Networks. International Journal of Distributed Sensor Networks, 2015, 11, 478064.	2.2	22
78	CAOVA: A Car Accident Ontology for VANETs. , 2012, , .		21
79	Evaluating and Enhancing Information Dissemination in Urban Areas of Interest Using Opportunistic Networks. IEEE Access, 2018, 6, 32514-32531.	4.2	21
80	Investigating performance of power-aware routing protocols for mobile ad-hoc networks. , 2002, , .		20
81	An Integral Model for Target Tracking Based on the Use of a WSN. Sensors, 2013, 13, 7250-7278.	3.8	20
82	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
83	On the Correlation Between Heart Rate and Driving Style in Real Driving Scenarios. Mobile Networks and Applications, 2018, 23, 128-135.	3.3	20
84	Determining the Representative Factors Affecting Warning Message Dissemination in VANETs. Wireless Personal Communications, 2012, 67, 295-314.	2.7	19
85	Using topology and neighbor information to overcome adverse vehicle density conditions. Transportation Research Part C: Emerging Technologies, 2014, 42, 1-13.	7.6	19
86	On the impact of inter-UAV communications interference in the 2.4 GHz band. , 2017, , .		19
87	Flood Detection Using Real-Time Image Segmentation from Unmanned Aerial Vehicles on Edge-Computing Platform. Remote Sensing, 2022, 14, 223.	4.0	19
88	Evaluation of a technology-aware vertical handover algorithm based on the IEEE 802.21 standard. , 2011, , .		18
89	RITA: Risk-aware Trust-based Architecture for collaborative multi-hop vehicular communications. Security and Communication Networks, 2016, 9, 4428-4442.	1.5	18
90	Mobile Pollution Data Sensing Using UAVs. , 2015, , .		17

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91	A Distributed Approach for Collision Avoidance between Multirotor UAVs Following Planned Missions. <i>Sensors</i> , 2019, 19, 2404.	3.8	17
92	Three Dimensional UAV Positioning for Dynamic UAV-to-Car Communications. <i>Sensors</i> , 2020, 20, 356.	3.8	17
93	Power Characterization of a Bluetooth-based Wireless Node for Ubiquitous Computing. , 2006, , .		16
94	Supporting Scalable Video Transmission in MANETs through Distributed Admission Control Mechanisms. , 2010, , .		16
95	Towards realistic vehicular network simulation models. , 2012, , .		16
96	New approaches for characterizing inter-contact times in opportunistic networks. <i>Ad Hoc Networks</i> , 2016, 52, 160-172.	5.5	16
97	Webgene\$_{m OS}\$: A Generative and Web-Based Learning Architecture to Teach Operating Systems in Undergraduate Courses. <i>IEEE Transactions on Education</i> , 2006, 49, 464-473.	2.4	15
98	A performance evaluation of warning message dissemination in 802.11p based VANETs. , 2009, , .		15
99	Black-Hole Attacks in P2P Mobile Networks Discovered through Bayesian Filters. <i>Lecture Notes in Computer Science</i> , 2010, , 543-552.	1.3	15
100	Evaluating UAV-to-Car Communications Performance: From Testbed to Simulation Experiments. , 2019, , .		15
101	BlueMall. , 2008, , .		14
102	Evaluation of collaborative selfish node detection in MANETS and DTNs. , 2012, , .		14
103	Evaluating the Feasibility of Using Smartphones for ITS Safety Applications. , 2013, , .		14
104	GRC-Sensing: An Architecture to Measure Acoustic Pollution Based on Crowdsensing. <i>Sensors</i> , 2018, 18, 2596.	3.8	14
105	3D Simulation Modeling of UAV-to-Car Communications. <i>IEEE Access</i> , 2019, 7, 8808-8823.	4.2	14
106	Wireless digital traffic signs of the future. <i>IET Networks</i> , 2019, 8, 74-78.	1.8	14
107	Analysis of the Most Representative Factors Affecting Warning Message Dissemination in VANETs under Real Roadmaps. , 2011, , .		13
108	Identifying the Key Factors Affecting Warning Message Dissemination in VANET Real Urban Scenarios. <i>Sensors</i> , 2013, 13, 5220-5250.	3.8	13

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109	An Architecture Offering Mobile Pollution Sensing with High Spatial Resolution. Journal of Sensors, 2016, 2016, 1-13.	1.1	13
110	A disruption tolerant architecture based on MQTT for IoT applications. , 2017, , .		13
111	Supporting Beacon and Event-Driven Messages in Vehicular Platoons through Token-Based Strategies. Sensors, 2018, 18, 955.	3.8	13
112	Castadiva: A Test-Bed Architecture for Mobile AD HOC Networks. , 2007, , .		12
113	MACHU: A novel vertical handover algorithm for vehicular environments. , 2012, , .		12
114	Friendly-Sharing: Improving the Performance of City Sensing through Contact-Based Messaging Applications. Sensors, 2016, 16, 1523.	3.8	12
115	Improving MQTT Data Delivery in Mobile Scenarios: Results from a Realistic Testbed. Mobile Information Systems, 2016, 2016, 1-11.	0.6	12
116	EcoSensor: Monitoring environmental pollution using mobile sensors. , 2016, , .		12
117	Evaluation of Clustering Algorithms on GPU-Based Edge Computing Platforms. Sensors, 2020, 20, 6335.	3.8	12
118	AI-Enabled Autonomous Drones for Fast Climate Change Crisis Assessment. IEEE Internet of Things Journal, 2022, 9, 7286-7297.	8.7	12
119	A comparison of the performance of TCP-Reno and TCP-Vegas over MANETs. , 2006, , .		11
120	Trust-Aware Opportunistic Dissemination Scheme for VANET Safety Applications. , 2016, , .		11
121	Analytical evaluation of the performance of contact-Based messaging applications. Computer Networks, 2016, 111, 45-54.	5.1	11
122	Efficient and coordinated vertical takeoff of UAV swarms. , 2020, , .		11
123	Optimising data diffusion while reducing local resources consumption in Opportunistic Mobile Crowdsensing. Pervasive and Mobile Computing, 2020, 67, 101201.	3.3	11
124	On the use and calculation of the Hurst parameter with MPEG videos data traffic. , 0, , .		10
125	A QoS architecture for MANETs supporting real-time peer-to-peer multimedia applications. , 0, , .		10
126	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

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127	On the selection of optimal broadcast schemes in VANETs. , 2013, , .		10
128	Evaluating the Impact of Data Transfer Time in Contact-Based Messaging Applications. IEEE Communications Letters, 2015, 19, 1814-1817.	4.1	10
129	Using Real Traffic Data for ITS Simulation: Procedure and Validation. , 2016, , .		10
130	FSF: Friendship and selfishness forwarding for Delay Tolerant Networks. , 2016, , .		10
131	A Forward Collision Warning System for Smartphones Using Image Processing and V2V Communication. Sensors, 2018, 18, 2672.	3.8	10
132	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
133	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
134	UAV Mobility model for dynamic UAV-to-car communications in 3D environments. Ad Hoc Networks, 2020, 107, 102193.	5.5	10
135	Evaluating the impact of group mobility on the performance of mobile ad hoc networks. , 2004, , .		9
136	Evaluating Bluetooth Performance as the Support for Context-Aware Applications. Telecommunication Systems, 2005, 28, 333-347.	2.5	9
137	Testing Applications in MANET Environments through Emulation. Eurasip Journal on Wireless Communications and Networking, 2010, 2009, .	2.4	9
138	Accurate detection of black holes in MANETs using collaborative bayesian watchdogs. , 2012, , .		9
139	Evaluating H.265 real-time video flooding quality in highway V2V environments. , 2014, , .		9
140	Hierarchical adaptive trust establishment solution for vehicular networks. , 2016, , .		9
141	An Android ITS Driving Safety Application Based on Vehicle-to-Vehicle (V2V) Communications. , 2017, , .		9
142	BlueFriend: Using Bluetooth technology for mobile social networking. , 2009, , .		9
143	A fuzzy method for automatic generation of membership function using fuzzy relations from training examples. , 0, , .		8
144	Analysis of the Interaction between TCP Variants and Routing Protocols in MANETs. , 0, , .		8

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145	Assessing the feasibility of a VANET driver warning system. , 2009, , .		8
146	A Reliable Token-Based MAC Protocol for Delay Sensitive Platooning Applications. , 2015, , .		8
147	Optimising message broadcasting in opportunistic networks. Computer Communications, 2020, 157, 162-178.	5.1	8
148	A novel resilient and reconfigurable swarm management scheme. Computer Networks, 2021, 194, 108119.	5.1	8
149	Group mobility impact over TCP and CBR traffic in mobile ad hoc networks. , 2004, , .		7
150	Evaluating the Performance of Real Time Videoconferencing in Ad Hoc Networks Through Emulation. , 2008, , .		7
151	EasyMANET: an extensible and configurable platform for service provisioning in MANET environments. , 2010, 48, 159-167.		7
152	An overview of anonymous communications in mobile <i>ad hoc</i> networks. Wireless Communications and Mobile Computing, 2012, 12, 661-675.	1.2	7
153	Assessing the IEEE 802.11e QoS effectiveness in multi-hop indoor scenarios. Ad Hoc Networks, 2012, 10, 186-198.	5.5	7
154	A Collaborative Bayesian Watchdog for Detecting Black Holes in MANETs. Studies in Computational Intelligence, 2013, , 221-230.	0.9	7
155	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
156	I-VDE: A Novel Approach to Estimate Vehicular Density by Using Vehicular Networks. Lecture Notes in Computer Science, 2013, , 63-74.	1.3	7
157	EYES: A Novel Overtaking Assistance System for Vehicular Networks. Lecture Notes in Computer Science, 2015, , 375-389.	1.3	7
158	FSF: Applying Machine Learning Techniques to Data Forwarding in Socially Selfish Opportunistic Networks. Sensors, 2019, 19, 2374.	3.8	7
159	WATERSensing: A Smart Warning System for Natural Disasters in Spain. IEEE Consumer Electronics Magazine, 2021, 10, 89-96.	2.3	7
160	PERFORMANCE ANALYSIS OF POWER-AWARE ROUTE SELECTION PROTOCOLS IN MOBILE AD HOC NETWORKS. , 2002, , .		7
161	A bounding algorithm for the broadcast storm problem in mobile ad hoc networks. , 0, , .		6
162	Evaluation of the energetic impact of Bluetooth low-power modes for ubiquitous computing applications. , 2006, , .		6

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163	Design and Validation of a Low-Power Network Node for Pervasive Applications. , 2007, , .		6
164	Modeling emergency events to evaluate the performance of time-critical WSNs. , 2010, , .		6
165	On the design of interactive classroom environments based on the Tablet PC technology. , 2010, , .		6
166	Friendly-drop: A social-based buffer management algorithm for opportunistic networks. , 2018, , .		6
167	optimizing UAV-to-Car Communications in 3D Environments Through Dynamic UAV Positioning. , 2019, , .		6
168	An UAV Swarm Coordination Protocol Supporting Planned Missions. , 2019, , .		6
169	Convergence of Heterogeneous Wireless Networks for 5G-and-Beyond Communications: Applications, Architecture, and Resource Management. Wireless Communications and Mobile Computing, 2019, 2019, 1-2.	1.2	6
170	How does energy consumption impact performance in Bluetooth?. Performance Evaluation Review, 2007, 35, 7-9.	0.6	6
171	FUDGE. , 2020, , .		6
172	Use of Receiver Operating Characteristic Curve to Evaluate a Street Lighting Control System. IEEE Access, 2021, 9, 144660-144675.	4.2	6
173	Building a research prototype to provide pervasive services in hospitals. , 2008, , .		5
174	A Tablet PC-based teaching approach using conceptual maps. , 2010, , .		5
175	Assessing the best strategy to improve the stability of scalable video transmission in MANETs. , 2011, , .		5
176	A Map-based Sensor data Delivery Protocol for vehicular networks. , 2012, , .		5
177	Assessing the effectiveness of DTN techniques under realistic urban environments. , 2013, , .		5
178	On the use of a Cooperative Neighbor Position Verification scheme to secure warning message dissemination in VANETs. , 2013, , .		5
179	Validation of a vehicle emulation platform supporting OBD-II communications. , 2015, , .		5
180	DTB-MAC: Dynamic Token-Based MAC Protocol for reliable and efficient beacon broadcasting in VANETs. , 2015, , .		5

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181	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
182	FALCON: A new approach for the evaluation of opportunistic networks. Ad Hoc Networks, 2018, 81, 109-121.	5.5	5
183	Towards a Sustainable City for Cyclists: Promoting Safety through a Mobile Sensing Application. Sensors, 2021, 21, 2116.	3.8	5
184	The differences between distributed shared memory caching and proxy caching. IEEE Concurrency, 2000, 8, 45-47.	0.8	4
185	Providing interoperability between IEEE 802.11 and Bluetooth protocols for Home Area Networks. Computer Networks, 2003, 42, 23-37.	5.1	4
186	First Experiences with Bluetooth and Java in Ubiquitous Computing. , 0, , .		4
187	Evaluation of the Trade-Off between Power Consumption and Performance in Bluetooth Based Systems. , 2007, , .		4
188	A Wireless Mesh Network-based System for Hotspots Deployment and Management. , 2007, , .		4
189	A Comprehensive Methodology for Concept Map Assessment. , 2009, , .		4
190	Multi-Layer Performance Evaluation of a Content Delivery Framework for Urban Vehicular Networks. , 2010, , .		4
191	Performance Trade-Offs of a IEEE 802.21-Based Vertical Handover Decision Algorithm under Different Network Conditions. , 2011, , .		4
192	PAWDS: A Roadmap Profile-Driven Adaptive System for Alert Dissemination in VANETs. , 2011, , .		4
193	Studying the feasibility of IEEE 802.15.4-Based WSNs for gas and fire tracking applications through simulation. , 2011, , .		4
194	HOP: Achieving Efficient Anonymity in MANETs by Combining HIP, OLSR, and Pseudonyms. Eurasip Journal on Wireless Communications and Networking, 2011, 2011, .	2.4	4
195	Using roadmap profiling to enhance the warning message dissemination in vehicular environments. , 2011, , .		4
196	Implementing and testing a driving safety application for smartphones based on the eMDR protocol. , 2012, , .		4
197	A geolocation-based Vertical Handover Decision Algorithm for Vehicular Networks. , 2012, , .		4
198	V2X solutions for real-time video collection. , 2014, , .		4

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199	An ITS solution providing real-time visual overtaking assistance using smartphones. , 2015, , .		4
200	Analysis and Classification of the Vehicular Traffic Distribution in an Urban Area. Lecture Notes in Computer Science, 2017, , 121-134.	1.3	4
201	Empirical Study and Modeling of Vehicular Communications at Intersections in the 5â€%GHz Band. Mobile Information Systems, 2017, 2017, 1-15.	0.6	4
202	MBCAP: Mission Based Collision Avoidance Protocol for UAVs. , 2018, , .		4
203	Providing resilience to UAV swarms following planned missions. , 2020, , .		4
204	Safe and Efficient Take-Off of VTOL UAV Swarms. Electronics (Switzerland), 2022, 11, 1128.	3.1	4
205	A MANET Autoconfiguration System based on Bluetooth Technology. , 2006, , .		3
206	$\text{RAC}_{\text{rm FP}}$: A Training Tool to Work With Floating-Point Representation, Algorithms, and Circuits in Undergraduate Courses. IEEE Transactions on Education, 2006, 49, 321-331.	2.4	3
207	MAYA: A Tool For Wireless Mesh Networks Management. , 2007, , .		3
208	Comparing tcp and udp performance in manets using multipath enhanced versions of dsr and dymo. , 2007, , .		3
209	Improving the evaluation of concept maps: a step-by-step analysis. , 2009, , .		3
210	An instructional approach to drive computer science courses through virtual learning environments. , 2009, , .		3
211	Markovian-based traffic modeling for mobile ad hoc networks. Computer Networks, 2009, 53, 2586-2600.	5.1	3
212	Deploying a real IEEE 802.11e testbed to validate simulation results. , 2009, , .		3
213	Evaluating the performance boundaries of WI-FI, WiMAX and UMTS using the network simulator (ns-2). , 2010, , .		3
214	Efficient routing in large sensor grids supporting mobile drains. , 2011, , .		3
215	Seamless MANET Autoconfiguration through Enhanced 802.11 Beaconing. Mobile Information Systems, 2013, 9, 19-35.	0.6	3
216	Underwater Wireless Sensor Networks. International Journal of Distributed Sensor Networks, 2014, 10, 860813.	2.2	3

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217	Topology-based broadcast schemes for urban scenarios targeting adverse density conditions. , 2014, , .		3
218	Power consumption evaluation in vehicular opportunistic networks. , 2015, , .		3
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