Pietro Manzoni

List of Publications by Year
in descending order

330	5,967	117453	133063
papers	citations	34 h-index	59 g-index

334	334	334	4792
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A LoRa-based protocol for connecting IoT edge computing nodes to provide small-data-based services. Digital Communications and Networks, 2022, 8, 257-266.	2.7	10
2	Bringing MQTT Brokers to the Edge: A Preliminary Evaluation. , 2022, , .		3
3	Improving UAV Mission Quality and Safety through Topographic Awareness. Drones, 2022, 6, 74.	2.7	1
4	Improving Air Quality in Urban Recreational Areas through Smart Traffic Management. Sustainability, 2022, 14, 3445.	1.6	3
5	Safe and Efficient Take-Off of VTOL UAV Swarms. Electronics (Switzerland), 2022, 11, 1128.	1.8	4
6	Intelligent Approach to Network Device Migration Planning towards Software-Defined IPv6 Networks. Sensors, 2022, 22, 143.	2.1	0
7	Modeling Distributed MQTT Systems Using Multicommodity Flow Analysis. Electronics (Switzerland), 2022, 11, 1498.	1.8	1
8	Guest Editorial Special Issue on Sustainable Solutions for the Internet of Things. IEEE Internet of Things Journal, 2022, 9, 7091-7094.	5.5	0
9	Migration cost optimization for service provider legacy network migration to softwareâ€defined IPv6 network. International Journal of Network Management, 2021, 31, e2145.	1.4	12
10	ANFIS based Classification Model for Network Device Migration towards SoDIP6 Networks. , 2021, , .		1
11	Opportunistic Networks with Messages Tracking. Advances in Intelligent Systems and Computing, 2021, , 442-451.	0.5	2
12	WATERSensing: A Smart Warning System for Natural Disasters in Spain. IEEE Consumer Electronics Magazine, 2021, 10, 89-96.	2.3	7
13	Collaborative Solutions for Unmanned Aerial Vehicles. Internet of Things, 2021, , 121-137.	1.3	0
14	LAPSE: A Machine Learning Message Forwarding Approach based on Node Centrality Estimation in Sparse Dynamic Networks. , 2021, , .		0
15	A novel resilient and reconfigurable swarm management scheme. Computer Networks, 2021, 194, 108119.	3.2	8
16	Evaluating the effectiveness of takeoff assignment strategies under irregular configurations. , 2021, , .		3
17	A Collision Avoidance Strategy For Multirrotor UAVs Based On Artificial Potential Fields. , 2021, , .		3
18	Assessing the impact of road traffic constraints on pollution. , 2021, , .		1

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19	A Low-Cost and Low-Power Messaging System Based on the LoRa Wireless Technology. Mobile Networks and Applications, 2020, 25, 961-968.	2.2	16
20	Data Transmissions Using Hub Nodes in Vehicular Social Networks. IEEE Transactions on Mobile Computing, 2020, 19, 1570-1585.	3.9	17
21	Efficient and coordinated vertical takeoff of UAV swarms. , 2020, , .		11
22	Mobile crowdsensing approaches to address the COVIDâ€19 pandemic in Spain. IET Smart Cities, 2020, 2, 58-63.	1.6	46
23	Evaluating the Effectiveness of COVID-19 Bluetooth-Based Smartphone Contact Tracing Applications. Applied Sciences (Switzerland), 2020, 10, 7113.	1.3	39
24	Toward secure, efficient, and seamless reconfiguration of UAV swarm formations. , 2020, , .		11
25	Providing resilience to UAV swarms following planned missions. , 2020, , .		4
26	Legacy Network Integration with SDN-IP Implementation towards a Multi-Domain SoDIP6 Network Environment. Electronics (Switzerland), 2020, 9, 1454.	1.8	9
27	MQTT-ST: a Spanning Tree Protocol for Distributed MQTT Brokers. , 2020, , .		24
28	Evolutionary gaming approach for decision making of Tierâ€3 Internet service provider networks migration to SoDIP6 networks. International Journal of Communication Systems, 2020, 33, e4399.	1.6	11
29	Evaluating How Smartphone Contact Tracing Technology Can Reduce the Spread of Infectious Diseases: The Case of COVID-19. IEEE Access, 2020, 8, 99083-99097.	2.6	115
30	Detecting Vehiclesâ€™ Relative Position on Two-Lane Highways Through a Smartphone-Based Video Overtaking Aid Application. Mobile Networks and Applications, 2020, 25, 1084-1094.	2.2	3
31	Optimising data diffusion while reducing local resources consumption in Opportunistic Mobile Crowdsensing. Pervasive and Mobile Computing, 2020, 67, 101201.	2.1	11
32	Optimising message broadcasting in opportunistic networks. Computer Communications, 2020, 157, 162-178.	3.1	8
33	UAV Mobility model for dynamic UAV-to-car communications in 3D environments. Ad Hoc Networks, 2020, 107, 102193.	3.4	10
34	FUDGE. , 2020, , .		6
35	Adding voice messages to a low-cost long-range data messaging system. , 2020, , .		2
36	Three Dimensional UAV Positioning for Dynamic UAV-to-Car Communications. Sensors, 2020, 20, 356.	2.1	17

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37	Integrating an MQTT Proxy in a LoRa-Based Messaging System for Generic Sensor Data Collection. Lecture Notes in Computer Science, 2020, , 282-294.	1.0	0
38	A Centralized Route-Management Solution for Autonomous Vehicles in Urban Areas. Electronics (Switzerland), 2019, 8, 722.	1.8	53
39	Leveraging a Publish/Subscribe Fog System to Provide Collision Warnings in Vehicular Networks. Sensors, 2019, 19, 3852.	2.1	2
40	Indoor Vehicles Geolocalization Using LoRaWAN. Future Internet, 2019, 11, 124.	2.4	22
41	Using the smartphone camera as a sensor for safety applications. , 2019, , .		2
42	A Distributed Approach for Collision Avoidance between Multirotor UAVs Following Planned Missions. Sensors, 2019, 19, 2404.	2.1	17
43	FSF: Applying Machine Learning Techniques to Data Forwarding in Socially Selfish Opportunistic Networks. Sensors, 2019, 19, 2374.	2.1	7
44	Analysis of Small-World Features in Vehicular Social Networks. , 2019, , .		3
45	Evaluating UAV-to-Car Communications Performance: From Testbed to Simulation Experiments. , 2019, , .		15
46	Automatic system supporting multicopter swarms with manual guidance. Computers and Electrical Engineering, 2019, 74, 413-428.	3.0	13
47	Accurate Landing of Unmanned Aerial Vehicles Using Ground Pattern Recognition. Electronics (Switzerland), 2019, 8, 1532.	1.8	53
48	Assessing Social Aspects of Urban Vehicular Scenarios for Improving Message Diffusion. , 2019, , .		2
49	optimizing UAV-to-Car Communications in 3D Environments Through Dynamic UAV Positioning. , 2019, , .		6
50	A vision-based system for autonomous vertical landing of unmanned aerial vehicles. , 2019, , .		6
51	Enabling Real-time Communications and Services in Heterogeneous Networks of Drones and Vehicles. , 2019, , .		3
52	UAV Mobility Model for Dynamic UAV-to-Car Communications. , 2019, , .		6
53	An UAV Swarm Coordination Protocol Supporting Planned Missions. , 2019, , .		6
54	3D Simulation Modeling of UAV-to-Car Communications. IEEE Access, 2019, 7, 8808-8823.	2.6	14

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55	Wireless digital traffic signs of the future. IET Networks, 2019, 8, 74-78.	1.1	14
56	An Analytical Model Based on Population Processes to Characterize Data Dissemination in 5G Opportunistic Networks. IEEE Access, 2018, 6, 1603-1615.	2.6	14
57	Simulating Opportunistic Networks: Survey and Future Directions. IEEE Communications Surveys and Tutorials, 2018, 20, 1547-1573.	24.8	76
58	Editorial: Smart Objects and Technologies for Social Good (GOODTECHS 2016). Mobile Networks and Applications, 2018, 23, 126-127.	2.2	0
59	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.	0.9	28
60	CupCarbon-Lab: An IoT emulator. , 2018, , .		12
61	Experimental characterization of UAV-to-car communications. Computer Networks, 2018, 136, 105-118.	3.2	29
62	Data Forwarding Techniques Based on Graph Theory Metrics in Vehicular Social Networks. , 2018, , .		1
63	A Smartphone-Based System Supporting Forward Collision Warning Generation. , 2018, , .		0
64	Adaptive Real-Time Predictive Collaborative Content Discovery and Retrieval in Mobile Disconnection Prone Networks. IEEE Access, 2018, 6, 32188-32206.	2.6	10
65	A Location-Aware Waypoint-Based Routing Protocol for Airborne DTNs in Search and Rescue Scenarios. Sensors, 2018, 18, 3758.	2.1	28
66	GRC-Sensing: An Architecture to Measure Acoustic Pollution Based on Crowdsensing. Sensors, 2018, 18, 2596.	2.1	14
67	Information Dissemination using Opportunistic Networks in Scenarios with People Renewal. , 2018, , .		1
68	A Discretized Approach to Air Pollution Monitoring Using UAV-based Sensing. Mobile Networks and Applications, 2018, 23, 1693-1702.	2.2	22
69	Evaluating and Enhancing Information Dissemination in Urban Areas of Interest Using Opportunistic Networks. IEEE Access, 2018, 6, 32514-32531.	2.6	21
70	Evaluating RaptorQ-Based Content Broadcasting Strategies in Vehicular Environments. , 2018, , .		1
71	FALCON: A new approach for the evaluation of opportunistic networks. Ad Hoc Networks, 2018, 81, 109-121.	3.4	5
72	Assessing the Impact of Mobility on LoRa Communications. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2018, , 75-81.	0.2	4

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73	Crowdsensing in Smart Cities: Overview, Platforms, and Environment Sensing Issues. Sensors, 2018, 18, 460.	2.1	84
74	Modeling and Characterization of Traffic Flows in Urban Environments. Sensors, 2018, 18, 2020.	2.1	56
75	ArduSim: Accurate and real-time multicopter simulation. Simulation Modelling Practice and Theory, 2018, 87, 170-190.	2.2	28
76	MBCAP: Mission Based Collision Avoidance Protocol for UAVs. , 2018, , .		4
77	A Forward Collision Warning System for Smartphones Using Image Processing and V2V Communication. Sensors, 2018, 18, 2672.	2.1	10
78	A collision avoidance solution for UAVs following planned missions. , 2018, , .		1
79	Friendly-drop: A social-based buffer management algorithm for opportunistic networks. , 2018, , .		6
80	PdUC-D: A Discretized UAV Guidance System for Air Pollution Monitoring Tasks. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2018, , 385-394.	0.2	0
81	Drivingstyles: a mobile platform for driving styles and fuel consumption characterization. Journal of Communications and Networks, 2017, 19, 162-168.	1.8	71
82	TEEM: Trust-based Energy-Efficient Distributed Monitoring for Mobile Ad-hoc Networks. , 2017, , .		6
83	Estimating rainfall intensity by using vehicles as sensors. , 2017, , .		7
84	Analysis and Classification of the Vehicular Traffic Distribution in an Urban Area. Lecture Notes in Computer Science, 2017, , 121-134.	1.0	4
85	An Android ITS Driving Safety Application Based on Vehicle-to-Vehicle (V2V) Communications. , 2017, , .		9
86	A disruption tolerant architecture based on MQTT for IoT applications. , 2017, , .		13
87	An energy-efficient technique for MANETs distributed monitoring. , 2017, , .		1
88	On the impact of urban intersection characteristics in vehicular to vehicular (V2V) communications. , 2017, , .		3
89	On the impact of inter-UAV communications interference in the 2.4 GHz band. , 2017, , .		19
90	Selecting the optimal buffer management for opportunistic networks both in pedestrian and vehicular contexts. , 2017, , .		5

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91	A methodology for measuring UAV-to-UAV communications performance. , 2017, , .		12
92	Flying ad-hoc network application scenarios and mobility models. International Journal of Distributed Sensor Networks, 2017, 13, 155014771773819.	1.3	107
93	Evaluating the use of sub-gigahertz wireless technologies to improve message delivery in opportunistic networks. , 2017, , .		12
94	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.	0.3	5
95	Accurate Ambient Noise Assessment Using Smartphones. Sensors, 2017, 17, 917.	2.1	42
96	Empirical Study and Modeling of Vehicular Communications at Intersections in the 5â€‰GHz Band. Mobile Information Systems, 2017, 2017, 1-15.	0.4	4
97	Smartphone tuning for accurate ambient noise assessment. , 2017, , .		2
98	Noise-Sensing Using Smartphones. , 2017, , .		1
99	Mobility as the Main Enabler of Opportunistic Data Dissemination in Urban Scenarios. Lecture Notes in Computer Science, 2017, , 107-120.	1.0	7
100	Friendly-Sharing: Improving the Performance of City Sensoring through Contact-Based Messaging Applications. Sensors, 2016, 16, 1523.	2.1	12
101	Improving MQTT Data Delivery in Mobile Scenarios: Results from a Realistic Testbed. Mobile Information Systems, 2016, 2016, 1-11.	0.4	12
102	A Survey on Smartphone-Based Crowdsensing Solutions. Mobile Information Systems, 2016, 2016, 1-26.	0.4	25
103	An Architecture Offering Mobile Pollution Sensing with High Spatial Resolution. Journal of Sensors, 2016, 2016, 1-13.	0.6	13
104	A novel On-Board Unit to accelerate the penetration of ITS services. , 2016, , .		5
105	Trust Management for Vehicular Networks: An Adversary-Oriented Overview. IEEE Access, 2016, 4, 9293-9307.	2.6	155
106	Measurement-based modelling of LTE performance in Dublin city. , 2016, , .		16
107	Hierarchical adaptive trust establishment solution for vehicular networks. , 2016, , .		9
108	Evaluating the Impact of Data Transfer Time and Mobility Patterns in Opportunistic Networks. , 2016, , .		2

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109	Trust-Aware Opportunistic Dissemination Scheme for VANET Safety Applications. , 2016, , .		11
110	Using Real Traffic Data for ITS Simulation: Procedure and Validation. , 2016, , .		10
111	T-VNets: A novel trust architecture for vehicular networks using the standardized messaging services of ETSI ITS. Computer Communications, 2016, 93, 68-83.	3.1	73
112	New approaches for characterizing inter-contact times in opportunistic networks. Ad Hoc Networks, 2016, 52, 160-172.	3.4	16
113	Analytical evaluation of the performance of contact-Based messaging applications. Computer Networks, 2016, 111, 45-54.	3.2	11
114	FSF: Friendship and selfishness forwarding for Delay Tolerant Networks. , 2016, , .		10
115	EcoSensor: Monitoring environmental pollution using mobile sensors. , 2016, , .		12
116	RITA: RIskâ€aware Trustâ€based Architecture for collaborative multiâ€hop vehicular communications. Security and Communication Networks, 2016, 9, 4428-4442.	1.0	18
117	Improving delivery delay in social-based message forwarding in Delay Tolerant Networks. , 2016, , .		0
118	Editorial for SM 160 â€“ Design and Implementation of Mobile Smart Objects Special Issue. Mobile Networks and Applications, 2016, 21, 644-645.	2.2	0
119	Improving Message Delivery Performance inÂOpportunistic Networks Using a Forced-Stop Diffusion Scheme. Lecture Notes in Computer Science, 2016, , 156-168.	1.0	2
120	Experimental Evaluation of a Low-Cost Digital Sign-Posts Architecture for ITS Applications. Lecture Notes in Computer Science, 2016, , 294-307.	1.0	0
121	Towards enabling hyper-responsive mobile apps through network edge assistance. , 2016, , .		5
122	Calibrating Low-End Sensors for Ozone Monitoring. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2016, , 251-256.	0.2	1
123	Power consumption evaluation in vehicular opportunistic networks. , 2015, , .		3
124	An ITS solution providing real-time visual overtaking assistance using smartphones. , 2015, , .		4
125	Mobile Pollution Data Sensing Using UAVs. , 2015, , .		17
126	Sensing Traffic Density Combining V2V and V2I Wireless Communications. Sensors, 2015, 15, 31794-31810.	2.1	48

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127	Traffic Management as a Service: The Traffic Flow Pattern Classification Problem. Mathematical Problems in Engineering, 2015, 2015, 1-14.	0.6	22
128	Breaking the Vehicular Wireless Communications Barriers: Vertical Handover Techniques for Heterogeneous Networks. IEEE Transactions on Vehicular Technology, 2015, 64, 5878-5890.	3.9	87
129	RTAD: A real-time adaptive dissemination system for VANETs. Computer Communications, 2015, 60, 53-70.	3.1	41
130	DTN Protocols for Vehicular Networks: An Application Oriented Overview. IEEE Communications Surveys and Tutorials, 2015, 17, 868-887.	24.8	114
131	A V2I-Based Real-Time Traffic Density Estimation System in Urban Scenarios. Wireless Personal Communications, 2015, 83, 259-280.	1.8	33
132	An Adaptive Anycasting Solution for Crowd Sensing in Vehicular Environments. IEEE Transactions on Industrial Electronics, 2015, 62, 7911-7919.	5.2	29
133	Mobility Models for Vehicular Communications. , 2015, , 309-333.		4
134	Validation of a vehicle emulation platform supporting OBD-II communications. , 2015, , .		5
135	Impact of mobility on Message Oriented Middleware (MOM) protocols for collaboration in transportation. , 2015, , .		1
136	Handling mobility in IoT applications using the MQTT protocol. , 2015, , .		33
137	Demo:. , 2015, , .		3
138	Evaluating the Impact of Data Transfer Time in Contact-Based Messaging Applications. IEEE Communications Letters, 2015, 19, 1814-1817.	2.5	10
139	EYES: A Novel Overtaking Assistance System for Vehicular Networks. Lecture Notes in Computer Science, 2015, , 375-389.	1.0	7
140	Epidgeons. , 2015, , .		2
141	Assessing the impact of driving behavior on instantaneous fuel consumption. , 2015, , .		30
142	DTB-MAC: Dynamic Token-Based MAC Protocol for reliable and efficient beacon broadcasting in VANETs. , 2015, , .		5
143	A comparative evaluation of AMQP and MQTT protocols over unstable and mobile networks. , 2015, , .		99
144	CoCoWa: A Collaborative Contact-Based Watchdog for Detecting Selfish Nodes. IEEE Transactions on Mobile Computing, 2015, 14, 1162-1175.	3.9	76

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145	Evaluation of flooding schemes for real-time video transmission in VANETs. Ad Hoc Networks, 2015, 24, 3-20.	3.4	38
146	Securing Warning Message Dissemination in VANETs Using Cooperative Neighbor Position Verification. IEEE Transactions on Vehicular Technology, 2015, 64, 2538-2550.	3.9	44
147	GRCBox: Extending Smartphone Connectivity in Vehicular Networks. International Journal of Distributed Sensor Networks, 2015, 11, 478064.	1.3	22
148	Simplifying the in-vehicle connectivity for ITS applications. , 2015, , .		2
149	TGRP: Topological-Geographical adaptive Routing Protocol for vehicular environments. , 2014, , .		1
150	A statistical learning reputation system for opportunistic networks. , 2014, , .		2
151	Evaluating metrics for optimal path selection in large wireless community networks. , 2014, , .		0
152	Drop Less Known strategy for buffer management in DTN Nodes. , 2014, , .		7
153	Evaluating H.265 real-time video flooding quality in highway V2V environments. , 2014, , .		9
154	A System for Automatic Notification and Severity Estimation of Automotive Accidents. IEEE Transactions on Mobile Computing, 2014, 13, 948-963.	3.9	55
155	A Fast Model for Evaluating the Detection of Selfish Nodes Using a Collaborative Approach in MANETs. Wireless Personal Communications, 2014, 74, 1099-1116.	1.8	28
156	Reducing emergency services arrival time by using vehicular communications and Evolution Strategies. Expert Systems With Applications, 2014, 41, 1206-1217.	4.4	32
157	V2X solutions for real-time video collection. , 2014, , .		4
158	Rumours and good practices in community networks wireless links. , 2014, , .		0
159	Accelerating vehicle network simulations in urban scenarios through caching. , 2014, , .		1
160	VEWE: A Vehicle ECU Wireless Emulation Tool Supporting OBD-II Communication and Geopositioning. Lecture Notes in Computer Science, 2014, , 432-445.	1.0	1
161	Fighting against Black Hole Attacks in Mobile Ad Hoc Networks. , 2014, , 73-100.		0
162	A Tool Offering Steady-State Simulations for VANETs. Recent Advances in Communications and Networking Technology, 2014, 2, 102-112.	0.1	2

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163	Performance Evaluation of Realistic Vehicular Networks: A MAC Layer Perspective. , 2014, , 571-594.		0
164	Computer Simulations of VANETs Using Realistic City Topologies. Wireless Personal Communications, 2013, 69, 639-663.	1.8	46
165	A Collaborative Bayesian Watchdog for Detecting Black Holes in MANETs. Studies in Computational Intelligence, 2013, , 221-230.	0.7	7
166	An algorithm to evaluate routing conditions in smartphones-based wireless networks. Expert Systems With Applications, 2013, 40, 5033-5048.	4.4	0
167	Reducing channel contention in vehicular environments through an adaptive contention window solution. , 2013, , .		2
168	Road Side Unit Deployment: A Density-Based Approach. IEEE Intelligent Transportation Systems Magazine, 2013, 5, 30-39.	2.6	108
169	Assessing vehicular density estimation using vehicle-to-infrastructure communications. , 2013, , .		1
170	Assessing the effectiveness of DTN techniques under realistic urban environments. , 2013, , .		5
171	RCDP: Raptor-based content delivery protocol for unicast communication in wireless networks for ITS. Journal of Communications and Networks, 2013, 15, 198-206.	1.8	7
172	On the use of a Cooperative Neighbor Position Verification scheme to secure warning message dissemination in VANETs. , 2013, , .		5
173	A novel approach for traffic accidents sanitary resource allocation based on multi-objective genetic algorithms. Expert Systems With Applications, 2013, 40, 323-336.	4.4	35
174	An Adaptive System Based on Roadmap Profiling to Enhance Warning Message Dissemination in VANETs. IEEE/ACM Transactions on Networking, 2013, 21, 883-895.	2.6	27
175	I-VDE: A Novel Approach to Estimate Vehicular Density by Using Vehicular Networks. Lecture Notes in Computer Science, 2013, , 63-74.	1.0	7
176	A representative and accurate characterization of inter-contact times in mobile opportunistic networks. , 2013, , .		2
177	VACaMobil: VANET Car Mobility Manager for OMNeT++. , 2013, , .		24
178	Evaluating the Feasibility of Using Smartphones for ITS Safety Applications. , 2013, , .		14
179	Comprehensive Vehicular Networking Platform for V2I and V2V Communications within the Walkie-Talkie Project. International Journal of Distributed Sensor Networks, 2013, 9, 676850.	1.3	10
180	On the selection of optimal broadcast schemes in VANETs. , 2013, , .		10

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181	An Integral Model for Target Tracking Based on the Use of a WSN. Sensors, 2013, 13, 7250-7278.	2.1	20
182	An Infrastructureless Approach to Estimate Vehicular Density in Urban Environments. Sensors, 2013, 13, 2399-2418.	2.1	35
183	Identifying the Key Factors Affecting Warning Message Dissemination in VANET Real Urban Scenarios. Sensors, 2013, 13, 5220-5250.	2.1	13
184	A novel approach for the fast detection of black holes in mobile ad hoc networks. Concurrent Engineering Research and Applications, 2013, 21, 177-185.	2.0	0
185	Assessing the impact of obstacle modeling accuracy on IEEE 802.11p based message dissemination. , 2013, , .		0
186	An analytical evaluation of a Map-based Sensor-data Delivery Protocol for VANETs. , 2013, , .		0
187	V2X-d: A vehicular density estimation system that combines V2V and V2I communications. , 2013, , .		29
188	DrivingStyles: A smartphone application to assess driver behavior. , 2013, , .		60
189	Using Evolution Strategies to Reduce Emergency Services Arrival Time in Case of Accident. , 2013, , .		0
190	Special issue on telematics communications and vehicular networking. Journal of Communications and Networks, 2013, 15, 115-121.	1.8	1
191	Seamless MANET Autoconfiguration through Enhanced 802.11 Beaconing. Mobile Information Systems, 2013, 9, 19-35.	0.4	3
192	Vertical handover. , 2012, , .		1
193	Evaluation of collaborative selfish node detection in MANETS and DTNs. , 2012, , .		14
194	A Map-based Sensor data Delivery Protocol for vehicular networks. , 2012, , .		5
195	Improving Selfish Node Detection in MANETs Using a Collaborative Watchdog. IEEE Communications Letters, 2012, 16, 642-645.	2.5	79
196	Determining the Representative Factors Affecting Warning Message Dissemination in VANETs. Wireless Personal Communications, 2012, 67, 295-314.	1.8	19
197	Towards realistic vehicular network simulation models. , 2012, , .		16
198	Modeling Routing in Smartphones-based wireless networks using evolving graphs. , 2012, , .		0

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199	Automatic Accident Detection: Assistance Through Communication Technologies and Vehicles. IEEE Vehicular Technology Magazine, 2012, 7, 90-100.	2.8	80
200	Implementing and testing a driving safety application for smartphones based on the eMDR protocol. , 2012, , .		4
201	CAOVA: A Car Accident Ontology for VANETs. , 2012, , .		21
202	Collaborative watchdogs: A fast and efficient approach to deal with selfish nodes in MANETs. , 2012, , .		1
203	Intruder tracking in WSNs using binary detection sensors and mobile sinks. , 2012, , .		1
204	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.	3.9	62
205	Accurate detection of black holes in MANETs using collaborative bayesian watchdogs. , 2012, , .		9
206	MACHU: A novel vertical handover algorithm for vehicular environments. , 2012, , .		12
207	A geolocation-based Vertical Handover Decision Algorithm for Vehicular Networks. , 2012, , .		4
208	VEACON: A Vehicular Accident Ontology designed to improve safety on the roads. Journal of Network and Computer Applications, 2012, 35, 1891-1900.	5.8	45
209	Real-time density estimation in urban environments by using vehicular communications. , 2012, , .		2
210	An efficient solution offering sink mobility support in wireless sensor networks. , 2012, , .		1
211	Evaluating the Effectiveness of a QoS Framework for MANETs in a Real Testbed. Lecture Notes in Computer Science, 2012, , 221-234.	1.0	1
212	An overview of anonymous communications in mobile ad hoc networks. Wireless Communications and Mobile Computing, 2012, 12, 661-675.	0.8	7
213	Assessing the IEEE 802.11e QoS effectiveness in multi-hop indoor scenarios. Ad Hoc Networks, 2012, 10, 186-198.	3.4	7
214	An efficient and robust content delivery solution for IEEE 802.11p vehicular environments. Journal of Network and Computer Applications, 2012, 35, 753-762.	5.8	29
215	Using Data Mining and Vehicular Networks to Estimate the Severity of Traffic Accidents. Advances in Intelligent Systems and Computing, 2012, , 37-46.	0.5	10
216	A Realistic Simulation Framework for Vehicular Networks. , 2012, , .		27

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217	RCDP: A Novel Content Delivery Solution for Wireless Networks Based on Raptor Codes. Lecture Notes in Computer Science, 2012, , 288-301.	1.0	0
218	Robust Broadcasting of Media Content in Urban Environments. , 2012, , 105-120.		0
219	Efficient routing in large sensor grids supporting mobile drains. , 2011, , .		3
220	A distance vector routing protocol for VANET environment with Dynamic Frequency assignment. , 2011, , .		20
221	Performance Trade-Offs of a IEEE 802.21-Based Vertical Handover Decision Algorithm under Different Network Conditions. , 2011, , .		4
222	PAWDS: A Roadmap Profile-Driven Adaptive System for Alert Dissemination in VANETs. , 2011, , .		4
223	Design, implementation, and optimization of a Raptor-based content delivery protocol. , 2011, , .		0
224	Assessing the best strategy to improve the stability of scalable video transmission in MANETs. , 2011, , .		5
225	Prototyping an automatic notification scheme for traffic accidents in vehicular networks. , 2011, , .		38
226	Studying the feasibility of IEEE 802.15.4-Based WSNs for gas and fire tracking applications through simulation. , 2011, , .		4
227	Providing accident detection in vehicular networks through OBD-II devices and Android-based smartphones. , 2011, , .		148
228	HOP: Achieving Efficient Anonymity in MANETs by Combining HIP, OLSR, and Pseudonyms. Eurasip Journal on Wireless Communications and Networking, 2011, 2011, .	1.5	4
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