

Francisco J Martinez

List of Publications by Year in descending order

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64
papers

2,442
citations

279798

23
h-index

361022

35
g-index

65
all docs

65
docs citations

65
times ranked

1949
citing authors

#	ARTICLE	IF	CITATIONS
1	Mitigating Electromagnetic Noise When Using Low-Cost Devices in Industry 4.0. IEEE Access, 2021, 9, 63267-63282.	4.2	4
2	Analyzing the Impact of Roadmap and Vehicle Features on Electric Vehicles Energy Consumption. IEEE Access, 2021, 9, 61475-61488.	4.2	5
3	A Review on Electric Vehicles: Technologies and Challenges. Smart Cities, 2021, 4, 372-404.	9.4	511
4	Advances in smart roads for future smart cities. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2020, 476, 20190439.	2.1	54
5	V-tracer: a Vehicular Trace Generator for Future Predictive Maintenance. , 2019, , .		1
6	Enhancing the NS-3 Simulator by Introducing Electric Vehicles Features. , 2019, , .		3
7	Enhancing the Charging Process of Electric Vehicles at Residential Homes. IEEE Access, 2018, 6, 22875-22888.	4.2	28
8	On the use of artificial intelligence techniques in intelligent transportation systems. , 2018, , .		24
9	Improving Roadside Unit Deployment in Vehicular Networks by Exploiting Genetic Algorithms. Applied Sciences (Switzerland), 2018, 8, 86.	2.5	48
10	On the prediction of electric vehicles energy demand by using vehicular networks. , 2017, , .		3
11	Dynamic Small Cell Management for Connected Cars Communications. , 2017, , .		0
12	When Vehicular Networks meet Artificial Intelligence. , 2017, , .		1
13	Smart tourist information points by combining agents, semantics and AI techniques. Computer Science and Information Systems, 2017, 14, 1-23.	1.0	21
14	On the Study of Vehicle Density in Intelligent Transportation Systems. Mobile Information Systems, 2016, 2016, 1-13.	0.6	17
15	Crowdsensing and Vehicle-Based Sensing. Mobile Information Systems, 2016, 2016, 1-2.	0.6	2
16	A Survey and Comparative Study of Broadcast Warning Message Dissemination Schemes for VANETs. Mobile Information Systems, 2016, 2016, 1-18.	0.6	42
17	Non-emergency patient transport services planning through genetic algorithms. Expert Systems With Applications, 2016, 61, 262-271.	7.6	22
18	Sensing Traffic Density Combining V2V and V2I Wireless Communications. Sensors, 2015, 15, 31794-31810.	3.8	48

#	ARTICLE	IF	CITATIONS
19	Vehicle Density and Roadmap Topology Issues when Characterizing Vehicular Communications. , 2015, , .		2
20	RTAD: A real-time adaptive dissemination system for VANETs. Computer Communications, 2015, 60, 53-70.	5.1	41
21	A V2I-Based Real-Time Traffic Density Estimation System in Urban Scenarios. Wireless Personal Communications, 2015, 83, 259-280.	2.7	33
22	Extended mobility management and routing protocols for internet-to-VANET multicasting. , 2015, , .		8
23	Securing Warning Message Dissemination in VANETs Using Cooperative Neighbor Position Verification. IEEE Transactions on Vehicular Technology, 2015, 64, 2538-2550.	6.3	44
24	A System for Automatic Notification and Severity Estimation of Automotive Accidents. IEEE Transactions on Mobile Computing, 2014, 13, 948-963.	5.8	55
25	Reducing emergency services arrival time by using vehicular communications and Evolution Strategies. Expert Systems With Applications, 2014, 41, 1206-1217.	7.6	32
26	Using topology and neighbor information to overcome adverse vehicle density conditions. Transportation Research Part C: Emerging Technologies, 2014, 42, 1-13.	7.6	19
27	Topology-based broadcast schemes for urban scenarios targeting adverse density conditions. , 2014, , .		3
28	Computer Simulations of VANETs Using Realistic City Topologies. Wireless Personal Communications, 2013, 69, 639-663.	2.7	46
29	Road Side Unit Deployment: A Density-Based Approach. IEEE Intelligent Transportation Systems Magazine, 2013, 5, 30-39.	3.8	108
30	Assessing vehicular density estimation using vehicle-to-infrastructure communications. , 2013, , .		1
31	On the use of a Cooperative Neighbor Position Verification scheme to secure warning message dissemination in VANETs. , 2013, , .		5
32	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
33	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
34	I-VDE: A Novel Approach to Estimate Vehicular Density by Using Vehicular Networks. Lecture Notes in Computer Science, 2013, , 63-74.	1.3	7
35	Evaluating the Feasibility of Using Smartphones for ITS Safety Applications. , 2013, , .		14
36	On the selection of optimal broadcast schemes in VANETs. , 2013, , .		10

#	ARTICLE	IF	CITATIONS
37	An Infrastructureless Approach to Estimate Vehicular Density in Urban Environments. <i>Sensors</i> , 2013, 13, 2399-2418.	3.8	35
38	Identifying the Key Factors Affecting Warning Message Dissemination in VANET Real Urban Scenarios. <i>Sensors</i> , 2013, 13, 5220-5250.	3.8	13
39	V2X-d: A vehicular density estimation system that combines V2V and V2I communications. , 2013, , .		29
40	Using Evolution Strategies to Reduce Emergency Services Arrival Time in Case of Accident. , 2013, , .		0
41	Determining the Representative Factors Affecting Warning Message Dissemination in VANETs. <i>Wireless Personal Communications</i> , 2012, 67, 295-314.	2.7	19
42	Automatic Accident Detection: Assistance Through Communication Technologies and Vehicles. <i>IEEE Vehicular Technology Magazine</i> , 2012, 7, 90-100.	3.4	80
43	Implementing and testing a driving safety application for smartphones based on the eMDR protocol. , 2012, , .		4
44	CAOVA: A Car Accident Ontology for VANETs. , 2012, , .		21
45	Evaluating the impact of a novel message dissemination scheme for vehicular networks using real maps. <i>Transportation Research Part C: Emerging Technologies</i> , 2012, 25, 61-80.	7.6	62
46	VEACON: A Vehicular Accident Ontology designed to improve safety on the roads. <i>Journal of Network and Computer Applications</i> , 2012, 35, 1891-1900.	9.1	45
47	Real-time density estimation in urban environments by using vehicular communications. , 2012, , .		2
48	Using Data Mining and Vehicular Networks to Estimate the Severity of Traffic Accidents. <i>Advances in Intelligent Systems and Computing</i> , 2012, , 37-46.	0.6	10
49	A Realistic Simulation Framework for Vehicular Networks. , 2012, , .		27
50	PAWDS: A Roadmap Profile-Driven Adaptive System for Alert Dissemination in VANETs. , 2011, , .		4
51	HyBook: A lifelong learning management system in Higher Education. , 2011, , .		0
52	Prototyping an automatic notification scheme for traffic accidents in vehicular networks. , 2011, , .		38
53	A Street Broadcast Reduction Scheme (SBR) to Mitigate the Broadcast Storm Problem in VANETs. <i>Wireless Personal Communications</i> , 2011, 56, 559-572.	2.7	29
54	A survey and comparative study of simulators for vehicular <i>ad hoc</i> networks (VANETs). <i>Wireless Communications and Mobile Computing</i> , 2011, 11, 813-828.	1.2	232

#	ARTICLE	IF	CITATIONS
55	Using roadmap profiling to enhance the warning message dissemination in vehicular environments. , 2011, , .		4
56	Analysis of the Most Representative Factors Affecting Warning Message Dissemination in VANETs under Real Roadmaps. , 2011, , .		13
57	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
58	Emergency Services in Future Intelligent Transportation Systems Based on Vehicular Communication Networks. IEEE Intelligent Transportation Systems Magazine, 2010, 2, 6-20.	3.8	206
59	Assessing the Impact of a Realistic Radio Propagation Model on VANET Scenarios Using Real Maps. , 2010, , .		31
60	Application of Semantic Tagging to Generate Superimposed Information on a Digital Encyclopedia. Communications in Computer and Information Science, 2010, , 84-94.	0.5	0
61	Realistic Radio Propagation Models (RPMs) for VANET Simulations. , 2009, , .		52
62	Assessing the feasibility of a VANET driver warning system. , 2009, , .		8
63	A performance evaluation of warning message dissemination in 802.11p based VANETs. , 2009, , .		15
64	CityMob: A Mobility Model Pattern Generator for VANETs. , 2008, , .		108