MÃ³nica Aguilar Igartua

List of Publications by Year
in descending order

58	596	840776	839539
papers	citations	11	18
		h-index	g-index

63	63	63	663
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	G-3MRP: A game-theoretical multimedia multimetric map-aware routing protocol for vehicular ad hoc networks. Computer Networks, 2022, 213, 109086.	5.1	5
2	Performance Evaluation of Dissemination Protocols Over Vehicular Networks for an Automatic Speed Fine System. IEEE Access, 2021, 9, 103244-103257.	4.2	0
3	QSMVM: QoS-Aware and Social-Aware Multimetric Routing Protocol for Video-Streaming Services over MANETS. Sensors, 2021, 21, 901.	3.8	7
4	A Multimetric Predictive ANN-Based Routing Protocol for Vehicular Ad Hoc Networks. IEEE Access, 2021, 9, 86037-86053.	4.2	6
5	STGT: SUMO-Based Traffic Mobility Generation Tool for Evaluation of Vehicular Networks. , 2021, , .		0
6	DTMR. , 2021, , .		1
7	Large-Scale Simulations Manager Tool for OMNeT++: Expediting Simulations and Post-Processing Analysis. IEEE Access, 2020, 8, 159291-159306.	4.2	7
8	INRISCO: INcident monitoRing in Smart COmmunities. IEEE Access, 2020, 8, 72435-72460.	4.2	8
9	A traffic-aware electric vehicle charging management system for smart cities. Vehicular Communications, 2019, 20, 100188.	4.0	18
10	Improved Selection of the Best Forwarding Candidate in 3MRP for VANETs. , 2019, , .		0
11	A Probability-Based Multimetric Routing Protocol for Vehicular Ad Hoc Networks in Urban Scenarios. IEEE Access, 2019, 7, 178020-178032.	4.2	12
12	Transient Analysis of Idle Time in VANETs Using Markov-Reward Models. IEEE Transactions on Vehicular Technology, 2018, 67, 2833-2847.	6.3	6
13	Comparison of propagation and packet error models in vehicular networks performance. Vehicular Communications, 2018, 12, 1-13.	4.0	9
14	3MRP+. , 2018, , .		1
15	Guest Editorial: Introduction to the Special Issue on Connected Vehicles in Intelligent Transportation Systems. IEEE Transactions on Intelligent Transportation Systems, 2018, 19, 2301-2304.	8.0	6
16	Game-Theoretical Design of an Adaptive Distributed Dissemination Protocol for VANETs. Sensors, 2018, 18, 294.	3.8	20
17	Multimedia Multimetric Map-Aware Routing Protocol to Send Video-Reporting Messages Over VANETs in Smart Cities. IEEE Transactions on Vehicular Technology, 2017, 66, 10611-10625.	6.3	58
18	2hGAR. , 2017, , .		7

#	ARTICLE	IF	CITATIONS
19	Coherent, automatic address resolution for vehicular ad hoc networks. International Journal of Ad Hoc and Ubiquitous Computing, 2017, 25, 163.	0.5	1
20	Coherent, automatic address resolution for vehicular ad hoc networks. International Journal of Ad Hoc and Ubiquitous Computing, 2017, 25, 1.	0.5	0
21	A Geographical Heuristic Routing Protocol for VANETs. Sensors, 2016, 16, 1567.	3.8	11
22	A Stochastic Optimization Model for the Placement of Road Site Units. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2016, , 263-269.	0.3	0
23	MobilitApp: Analysing Mobility Data of Citizens in the Metropolitan Area of Barcelona. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2016, , 245-250.	0.3	0
24	On the Impact of Building Attenuation Models in VANET Simulations of Urban Scenarios. Electronics (Switzerland), 2015, 4, 37-58.	3.1	12
25	A Multi-User Game-Theoretical Multipath Routing Protocol to Send Video-Warning Messages over Mobile Ad Hoc Networks. Sensors, 2015, 15, 9039-9077.	3.8	7
26	Empirical Analysis of the Minkowski Distance Order in Geographical Routing Protocols for VANETs. Lecture Notes in Computer Science, 2015, , 327-340.	1.3	0
27	Heuristic Methods in Geographical Routing Protocols for VANETs. , 2015, , .		1
28	A Multimetric, Map-Aware Routing Protocol for VANETs in Urban Areas. Sensors, 2014, 14, 2199-2224.	3.8	39
29	Impact of packet error modeling in VANET simulations. , 2014, , .		4
30	MAX-MIN based buffer allocation for VANETs. , 2014, , .		1
31	On collaborative anonymous communications in lossy networks. Security and Communication Networks, 2014, 7, 2761-2777.	1.5	7
32	Propagation and Packet Error models in VANET simulations. IEEE Latin America Transactions, 2014, 12, 499-507.	1.6	9
33	Dynamic buffer sizing for wireless devices via maximum entropy. Computer Communications, 2014, 44, 44-58.	5.1	6
34	A collaborative protocol for anonymous reporting in vehicular ad hoc networks. Computer Standards and Interfaces, 2013, 36, 188-197.	5.4	19
35	Available bandwidth estimation in GPSR for VANETs. , 2013, , .		11
36	Design and evaluation of GBSR-B, an improvement of GPSR for VANETs. IEEE Latin America Transactions, 2013, 11, 1083-1089.	1.6	23

#	ARTICLE	IF	CITATIONS
37	Available Bandwidth-Aware Routing in Urban Vehicular Ad-Hoc Networks. , 2012, , .		4
38	Smart city for VANETs using warning messages, traffic statistics and intelligent traffic lights. , 2012, , .		120
39	Load splitting in clusters of video servers. Computer Communications, 2012, 35, 993-1003.	5.1	2
40	Dynamic framework with adaptive contention window andÂmultipath routing for video-streaming services over mobile adÂhocÂnetworks. Telecommunication Systems, 2012, 49, 379-390.	2.5	7
41	A game-theoretic multipath routing for video-streaming services over Mobile Ad Hoc Networks. Computer Networks, 2011, 55, 2985-3000.	5.1	15
42	Self-configured multipath routing using path lifetime for video-streaming services over Ad Hoc networks. Computer Communications, 2010, 33, 1879-1891.	5.1	31
43	RDSR-V. Reliable Dynamic Source Routing for video-streaming over mobile ad hoc networks. Computer Networks, 2010, 54, 79-96.	5.1	18
44	Performance evaluation of a hybrid sensor and vehicular network to improve road safety. , 2010, , .		9
45	Dynamic cross-layer framework to provide QoS for video streaming services over ad hoc networks. , 2008, , .		4
46	MM-DSR: Multipath QoS routing for multiple multimedia sources over Ad Hoc mobile networks. IEEE Latin America Transactions, 2007, 5, 448-456.	1.6	8
47	Multipath Routing with Layered Coded Video to Provide QoS for Video-Streaming Over Manets. , 2006, , .		14
48	Multipath Routing for video-streaming services over IEEE 802.1le Ad hoc Networks. , 2006, , .		6
49	ViStA-XL: A Cross-Layer Design for Video-Streaming over Ad hoc Networks. , 2006, , .		3
50	Video-streaming Transmission with QoS over Cross-Layered Ad hoc Networks. , 2006, , .		10
51	Design of an Adaptive-Rate Video-Streaming Service with Different Classes of Users. , 2006, , 75-88.		0
52	QoS Provision for Video-Streaming Applications over Ad Hoc Networks. , 2005, , .		10
53	Title is missing!. Telecommunication Systems, 2002, 21, 103-136.	2.5	0
54	IMA: technical foundations, application and performance analysis. Computer Networks, 2001, 35, 165-183.	5.1	1

#	Article	IF	Citations
55	Cost minimization study of semi-elastic flows using Internet. , 0, , .		1
56	Inverse multiplexing for ATM. Operation, applications and performance evaluation for the cell loss ratio. , 0, , .		5
57	Analytical definition of SLA parameters in a video-on-demand service. , 0, , .		1
58	Multimedia communications in vehicular adhoc networks for several applications in the smart cities. , 0, , .		0