Nabil Benamar

List of Publications by Year
in descending order

49 papers	969 citations	687363 13 h-index	526287 27 g-index
51 all docs	51 docs citations	51 times ranked	911 citing authors

#	Article	IF	Citations
1	Routing protocols in Vehicular Delay Tolerant Networks: A comprehensive survey. Computer Communications, 2014, 48, 141-158.	5.1	141
2	OF-EC: A novel energy consumption aware objective function for RPL based on fuzzy logic.. Journal of Network and Computer Applications, 2018, 117, 42-58.	9.1	75
3	Traffic Steering for Service Function Chaining. IEEE Communications Surveys and Tutorials, 2019, 21, 487-507.	39.4	74
4	A comprehensive survey on enhancements and limitations of the RPL protocol: A focus on the objective function. Ad Hoc Networks, 2020, 96, 102001.	5.5	72
5	A Survey on the Current Security Landscape of Intelligent Transportation Systems. IEEE Access, 2021, 9, 9180-9208.	4.2	64
6	Pedestrian Support in Intelligent Transportation Systems: Challenges, Solutions and Open issues. Transportation Research Part C: Emerging Technologies, 2020, 121, 102856.	7.6	41
7	RPL-based networks in static and mobile environment: A performance assessment analysis. Journal of King Saud University - Computer and Information Sciences, 2018, 30, 320-333.	3.9	37
8	Challenges of the Internet of Things: IPv6 and Network Management. , 2014, , .		32
9	Service Function Chaining in 5G & Beyond Networks: Challenges and Open Research Issues. IEEE Network, 2020, 34, 320-327.	6.9	32
10	RPL enhancement using a new objective function based on combined metrics. , 2017, , .		31
11	A Novel Approach for RPL Assessment Based on the Objective Function and Trickle Optimizations. Wireless Communications and Mobile Computing, 2019, 2019, 1-9.	1.2	31
12	Performance assessment of the routing protocol for low power and lossy networks. , 2015, , .		29
13	A comprehensive survey on vehicular networks for smart roads: A focus on IP-based approaches. Vehicular Communications, 2021, 29, 100334.	4.0	25
14	A Comprehensive Survey on the Application of Deep and Reinforcement Learning Approaches in Autonomous Driving. Journal of King Saud University - Computer and Information Sciences, 2022, 34, 7366-7390.	3.9	25
15	Mobility Support for the Routing Protocol in Low Power and Lossy Networks. , 2016, , .		20
16	A Comprehensive Study of Intelligent Transportation System Architectures for Road Congestion Avoidance. Lecture Notes in Computer Science, 2017, , 95-106.	1.3	17
17	A new Security Mechanism for Vehicular Cloud Computing Using Fog Computing System. , 2019, , .		17
18	OF-ECF: A New Optimization of the Objective Function for Parent Selection in RPL. , 2019, , .		15

#	Article	IF	Citations
19	A protocol for pedestrian crossing and increased vehicular flow in smart cities. Journal of Intelligent Transportation Systems: Technology, Planning, and Operations, 2020, 24, 514-533.	4.2	15
20	RPL Enhancement Based FL-Trickle: A Novel Flexible Trickle Algorithm for Low Power and Lossy Networks. Wireless Personal Communications, 2020, 110, 1403-1428.	2.7	14
21	Autonomous Traffic Management: Open Issues and New Directions. , 2018, , .		12
22	Secure WiFi-Direct Using Key Exchange for IoT Device-to-Device Communications in a Smart Environment. Future Internet, 2019, 11, 251.	3.8	11
23	Study of the diffusion of some emulsions in the human skin by pulsed photoacoustic spectroscopy. Physics in Medicine and Biology, 2003, 48, 2729-2738.	3.0	10
24	Routing protocols for DTN in vehicular environment. , 2012, , .		10
25	An Incentive Mechanism for Computing Resource Allocation in Vehicular Fog Computing Environment. , 2020, , .		9
26	Effects of Selfishness on the Energy Consumption in Opportunistic Networks: A Performance Assessment. , 2019, , .		7
27	Towards an Efficient Vehicular Clouds using Mobile Brokers. , 2019, , .		7
28	DBDA: Distant Bicycle Detection and Avoidance Protocol based on V2V Communication for Autonomous Vehicle-Bicycle Road Share. , 2019, , .		7
29	Modulated photoacoustic spectroscopy study of an artificial tanning on human skin induced by dihydroxyacetone. Physiological Measurement, 2004, 25, 1199-1210.	2.1	6
30	A framework for hotspot support using Wi-Fi direct based device-to-device links. , 2017, , .		6
31	An evolutionary bargaining–based approach for incentivized cooperation in opportunistic networks. International Journal of Communication Systems, 2020, 33, e4377.	2.5	6
32	Symmetry-Aware SFC Framework for 5G Networks. IEEE Network, 2021, 35, 234-241.	6.9	6
33	Assessing Experimental Private Cloud Using Web of System Performance Model. International Journal of Grid and High Performance Computing, 2017, 9, 21-35.	0.9	6
34	Analysis of pulsed photoacoustic signal: theoretical study of the diffusion of chromophores in the human skin. EPJ Applied Physics, 2002, 19, 63-68.	0.7	5
35	A Novel Compact Header for Traffic Steering in Service Function Chaining. , 2018, , .		5
36	RPL Assessment using the Rank Attack in Static and Mobile Environments. , 2020, , .		5

#	Article	IF	Citations
37	Deep Learning-Based Modeling of Pedestrian Perception and Decision-Making in Refuge Island for Autonomous Driving. EAI/Springer Innovations in Communication and Computing, 2022, , 135-146.	1.1	4
38	The effect of cooperation of nodes on VDTN routing protocols. , 2015, , .		3
39	A Novel SDN-based Architecture and Traffic Steering Method for Service Function Chaining. , 2018, , .		3
40	DASH: A Distributed Approach for Selfishness Handling in a DTN. , 2019, , .		3
41	New Classification of Nodes Cooperation in Delay Tolerant Networks. Lecture Notes in Electrical Engineering, 2016, , 301-309.	0.4	3
42	A Framework for Enabling Internet Access Using Wi-Fi Peer-to-Peer Links. Wireless Personal Communications, 2019, 109, 521-538.	2.7	2
43	Partially Symmetric Service Function Chains. , 2019, , .		2
44	IoT Nodes Behavior Analysis Under Constrained Environment Using RPL Protocol. , 2021, , .		2
45	A New Data Forwarding Scheme for DTNs Based on Coalition Game. Lecture Notes in Computer Science, 2017, , 117-126.	1.3	1
46	A new basic analysis of pulsed photoacoustic signal using the finite differences method. EPJ Applied Physics, 2004, 28, 255-262.	0.7	1
47	Study of the diffusion of an emulsion in the human skin by pulsed photoacoustic spectroscopy: experiment and numerical simulation. EPJ Applied Physics, 2004, 28, 375-381.	0.7	0
48	Reducing dogleg routing in mobile IPv6 by the enhancement of home agents deployment. , 2011, , .		0
49	Correction to: Towards new e-Infrastructure and e-Services for Developing Countries. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2021, , C1-C1.	0.3	0