

Soufiene Djahel

List of Publications by Year in descending order

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Version: 2024-02-01

59
papers

1,259
citations

759233

12
h-index

642732

23
g-index

59
all docs

59
docs citations

59
times ranked

1200
citing authors

#	ARTICLE	IF	CITATIONS
1	A Communications-Oriented Perspective on Traffic Management Systems for Smart Cities: Challenges and Innovative Approaches. IEEE Communications Surveys and Tutorials, 2015, 17, 125-151.	39.4	290
2	Mitigating Packet Dropping Problem in Mobile Ad Hoc Networks: Proposals and Challenges. IEEE Communications Surveys and Tutorials, 2011, 13, 658-672.	39.4	99
3	Next Road Rerouting: A Multiagent System for Mitigating Unexpected Urban Traffic Congestion. IEEE Transactions on Intelligent Transportation Systems, 2016, 17, 2888-2899.	8.0	93
4	Adaptive traffic management for secure and efficient emergency services in smart cities. , 2013, , .		64
5	A robust congestion control scheme for fast and reliable dissemination of safety messages in VANETs. , 2012, , .		51
6	Toward V2I communication technology-based solution for reducing road traffic congestion in smart cities. , 2015, , .		51
7	Reducing emergency services response time in smart cities: An advanced adaptive and fuzzy approach. , 2015, , .		38
8	An IoT enabled system for enhanced air quality monitoring and prediction on the edge. Complex & Intelligent Systems, 2021, 7, 2923-2947.	6.5	36
9	A fast, reliable and lightweight distributed dissemination protocol for safety messages in Urban Vehicular Networks. Ad Hoc Networks, 2015, 27, 26-43.	5.5	34
10	Towards a Smart Parking Management System for Smart Cities. , 2019, , .		33
11	A Multi-Agent based vehicles re-routing system for unexpected traffic congestion avoidance. , 2014, , .		30
12	An Altruistic Prediction-Based Congestion Control for Strict Beaconing Requirements in Urban VANETs. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2019, 49, 2582-2597.	9.3	30
13	An Efficient Adaptive Traffic Light Control System for Urban Road Traffic Congestion Reduction in Smart Cities. Information (Switzerland), 2020, 11, 119.	2.9	30
14	Smart adaptation of beacons transmission rate and power for enhanced vehicular awareness in VANETs. , 2014, , .		27
15	A novel squeeze YOLO-based real-time people counting approach. International Journal of Bio-Inspired Computation, 2020, 16, 94.	0.9	25
16	A comparative study of vehicles' routing algorithms for route planning in smart cities. , 2012, , .		22
17	A comprehensive study of flooding attack consequences and countermeasures in Session Initiation Protocol (SIP). Security and Communication Networks, 2015, 8, 4436-4451.	1.5	20
18	A SUMO based evaluation of road incidents' impact on traffic congestion level in smart cities. , 2014, , .		19

#	ARTICLE	IF	CITATIONS
19	An adaptive and VANETs-based Next Road Re-routing system for unexpected urban traffic congestion avoidance. , 2015, , .		18
20	Towards Secure and Privacy-Preserving IoT Enabled Smart Home: Architecture and Experimental Study. Sensors, 2020, 20, 6131.	3.8	16
21	A Hidden Markov Model based scheme for efficient and fast dissemination of safety messages in VANETs. , 2012, , .		15
22	Defending against packet dropping attack in vehicular <i>ad hoc</i> networks. Security and Communication Networks, 2008, 1, 245-258.	1.5	14
23	Fast and Efficient Countermeasure for MAC Layer Misbehavior in MANETs. IEEE Wireless Communications Letters, 2012, 1, 540-543.	5.0	13
24	Improving the quality of service routing in OLSR protocol. , 2012, , .		12
25	Comprehensive performance analysis and comparison of vehicles routing algorithms in smart cities. , 2013, , .		12
26	A cross layer approach for efficient multimedia data dissemination in VANETs. Vehicular Communications, 2017, 9, 127-134.	4.0	12
27	A Novel Energy-Efficient Clustering Algorithm for More Sustainable Wireless Sensor Networks Enabled Smart Cities Applications. Journal of Sensor and Actuator Networks, 2021, 10, 50.	3.9	12
28	Enhancing PM2.5 Prediction Using NARX-Based Combined CNN and LSTM Hybrid Model. Sensors, 2022, 22, 4418.	3.8	11
29	A spatial correlation aware scheme for efficient data aggregation in Wireless Sensor Networks. , 2015, , .		10
30	FLSAC: A new scheme to defend against greedy behavior in wireless mesh networks. International Journal of Communication Systems, 2009, 22, 1245-1266.	2.5	9
31	A Short-Term Vehicular Density Prediction Scheme for Enhanced Beaconing Control. , 2015, , .		9
32	A cross layer framework to mitigate a joint MAC and routing attack in multihop wireless networks. , 2009, , .		7
33	Characterizing the greedy behavior in wireless <i>ad hoc</i> networks. Security and Communication Networks, 2011, 4, 284-298.	1.5	7
34	A framework for efficient communication in Hybrid Sensor and Vehicular Networks. , 2012, , .		7
35	Avoiding virtual link attacks in wireless ad hoc networks. , 2008, , .		6
36	TRADER:Traffic Light Phases Aware Driving for Reduced Traffic Congestion in Smart Cities. , 2017, , .		6

#	ARTICLE	IF	CITATIONS
37	CRITIC: A cognitive radio inspired road traffic congestion reduction solution. , 2018, , .		6
38	Guest Editorial: Introduction to the Special Issue on Advances in Smart and Green Transportation for Smart Cities. IEEE Transactions on Intelligent Transportation Systems, 2018, 19, 2152-2155.	8.0	6
39	Lifetime-Aware Backpressureâ€™A New Delay-Enhanced Backpressure-Based Routing Protocol. IEEE Systems Journal, 2019, 13, 42-52.	4.6	6
40	Personalized Road Networks Routing with Road Safety Consideration: A Case Study in Manchester. , 2020, , .		6
41	ARSoS: An Adaptive, Robust, and Sub-Optimal Strategy for Automated Deployment of Anomaly Detection System in MANETs. , 2008, , .		5
42	A WAVE Based and Collaboration Driven Framework for Reduced Traffic Congestion in Smart Cities. IEEE Intelligent Transportation Systems Magazine, 2021, 13, 251-261.	3.8	5
43	An IoT Enabled Traffic Light Controllers Synchronization Method for Road Traffic Congestion Mitigation. , 2019, , .		4
44	Securing Fuzzy Vault Enabled Authentication in Body Area Networks-Based Smart Healthcare. IEEE Consumer Electronics Magazine, 2022, 11, 6-16.	2.3	4
45	An Effective Strategy for Greedy Behavior in Wireless Ad hoc Networks. , 2009, , .		3
46	Short paper: Road-Casting: A new distributed dissemination protocol for safety messages in urban areas. , 2013, , .		3
47	A lightweight countermeasure to cope with flooding attacks against session initiation protocol. , 2013, , .		3
48	Padovan sequence based Backoff Algorithm for improved wireless medium access in MANETs. , 2014, , .		3
49	Planning & acting: Optimal Markov decision scheduling of aggregated data in WSNs by genetic algorithm. , 2015, , .		3
50	Highlighting the effects of joint MAC layer misbehavior and virtual link attack in wireless ad hoc networks. , 2009, , .		2
51	VANETs signal quality-based route selection in smart cities. , 2014, , .		2
52	An efficient partial data aggregation scheme in WSNs. , 2014, , .		2
53	A New Attack Method Against ECG-Based Key Generation and Agreement Schemes in Body Area Networks. IEEE Sensors Journal, 2021, 21, 17300-17307.	4.7	2
54	CR-TMS: Connected Vehicles enabled Road Traffic Congestion Mitigation System using Virtual Road Capacity Inflation. , 2020, , .		2

#	ARTICLE	IF	CITATIONS
55	Neighbor based channel hopping coordination: Practical against jammer?. , 2009, , .		1
56	A Bayesian Statistical Model to Alleviate Greediness in Wireless Mesh Networks. , 2010, , .		1
57	Infrastructure Assisted Automation of Lane Change Manoeuvre for Connected and Autonomous Vehicles. , 2019, , .		1
58	An Efficient Detour Computation Scheme for Electric Vehicles to Support Smart Citiesâ€™™ Electrification. Electronics (Switzerland), 2022, 11, 803.	3.1	1
59	Thwarting back-off rules violation in tactical wireless ad hoc networks. , 2010, , .		0