

# Soufiene Djahel

## List of Publications by Year in descending order

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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	Securing Fuzzy Vault Enabled Authentication in Body Area Networks-Based Smart Healthcare. IEEE Consumer Electronics Magazine, 2022, 11, 6-16.	2.3	4
2	An Efficient Detour Computation Scheme for Electric Vehicles to Support Smart Citiesâ€™™ Electrification. Electronics (Switzerland), 2022, 11, 803.	3.1	1
3	Enhancing PM2.5 Prediction Using NARX-Based Combined CNN and LSTM Hybrid Model. Sensors, 2022, 22, 4418.	3.8	11
4	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
5	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
6	An IoT enabled system for enhanced air quality monitoring and prediction on the edge. Complex & Intelligent Systems, 2021, 7, 2923-2947.	6.5	36
7	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
8	A novel squeeze YOLO-based real-time people counting approach. International Journal of Bio-Inspired Computation, 2020, 16, 94.	0.9	25
9	Towards Secure and Privacy-Preserving IoT Enabled Smart Home: Architecture and Experimental Study. Sensors, 2020, 20, 6131.	3.8	16
10	An Efficient Adaptive Traffic Light Control System for Urban Road Traffic Congestion Reduction in Smart Cities. Information (Switzerland), 2020, 11, 119.	2.9	30
11	CR-TMS: Connected Vehicles enabled Road Traffic Congestion Mitigation System using Virtual Road Capacity Inflation. , 2020, , .		2
12	Personalized Road Networks Routing with Road Safety Consideration: A Case Study in Manchester. , 2020, , .		6
13	An IoT Enabled Traffic Light Controllers Synchronization Method for Road Traffic Congestion Mitigation. , 2019, , .		4
14	Infrastructure Assisted Automation of Lane Change Manoeuvre for Connected and Autonomous Vehicles. , 2019, , .		1
15	Lifetime-Aware Backpressureâ€™™A New Delay-Enhanced Backpressure-Based Routing Protocol. IEEE Systems Journal, 2019, 13, 42-52.	4.6	6
16	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
17	Towards a Smart Parking Management System for Smart Cities. , 2019, , .		33
18	CRITIC: A cognitive radio inspired road traffic congestion reduction solution. , 2018, , .		6

#	ARTICLE	IF	CITATIONS
19	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
20	A cross layer approach for efficient multimedia data dissemination in VANETs. Vehicular Communications, 2017, 9, 127-134.	4.0	12
21	TRADER:Traffic Light Phases Aware Driving for Reduced Traffic Congestion in Smart Cities. , 2017, , .		6
22	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
23	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
24	A Short-Term Vehicular Density Prediction Scheme for Enhanced Beaconing Control. , 2015, , .		9
25	An adaptive and VANETs-based Next Road Re-routing system for unexpected urban traffic congestion avoidance. , 2015, , .		18
26	Reducing emergency services response time in smart cities: An advanced adaptive and fuzzy approach. , 2015, , .		38
27	Toward V2I communication technology-based solution for reducing road traffic congestion in smart cities. , 2015, , .		51
28	Planning & acting: Optimal Markov decision scheduling of aggregated data in WSNs by genetic algorithm. , 2015, , .		3
29	A spatial correlation aware scheme for efficient data aggregation in Wireless Sensor Networks. , 2015, , .		10
30	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
31	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
32	VANETs signal quality-based route selection in smart cities. , 2014, , .		2
33	An efficient partial data aggregation scheme in WSNs. , 2014, , .		2
34	A SUMO based evaluation of road incidents' impact on traffic congestion level in smart cities. , 2014, , .		19
35	Smart adaptation of beacons transmission rate and power for enhanced vehicular awareness in VANETs. , 2014, , .		27
36	A Multi-Agent based vehicles re-routing system for unexpected traffic congestion avoidance. , 2014, , .		30

#	ARTICLE	IF	CITATIONS
37	Padovan sequence based Backoff Algorithm for improved wireless medium access in MANETs. , 2014, , .		3
38	Comprehensive performance analysis and comparison of vehicles routing algorithms in smart cities. , 2013, , .		12
39	Adaptive traffic management for secure and efficient emergency services in smart cities. , 2013, , .		64
40	Short paper: Road-Casting: A new distributed dissemination protocol for safety messages in urban areas. , 2013, , .		3
41	A lightweight countermeasure to cope with flooding attacks against session initiation protocol. , 2013, , .		3
42	A comparative study of vehicles' routing algorithms for route planning in smart cities. , 2012, , .		22
43	A Hidden Markov Model based scheme for efficient and fast dissemination of safety messages in VANETs. , 2012, , .		15
44	Fast and Efficient Countermeasure for MAC Layer Misbehavior in MANETs. IEEE Wireless Communications Letters, 2012, 1, 540-543.	5.0	13
45	A framework for efficient communication in Hybrid Sensor and Vehicular Networks. , 2012, , .		7
46	A robust congestion control scheme for fast and reliable dissemination of safety messages in VANETs. , 2012, , .		51
47	Improving the quality of service routing in OLSR protocol. , 2012, , .		12
48	Mitigating Packet Dropping Problem in Mobile Ad Hoc Networks: Proposals and Challenges. IEEE Communications Surveys and Tutorials, 2011, 13, 658-672.	39.4	99
49	Characterizing the greedy behavior in wireless <i>ad hoc</i> networks. Security and Communication Networks, 2011, 4, 284-298.	1.5	7
50	A Bayesian Statistical Model to Alleviate Greediness in Wireless Mesh Networks. , 2010, , .		1
51	Thwarting back-off rules violation in tactical wireless ad hoc networks. , 2010, , .		0
52	Neighbor based channel hopping coordination: Practical against jammer?. , 2009, , .		1
53	Highlighting the effects of joint MAC layer misbehavior and virtual link attack in wireless ad hoc networks. , 2009, , .		2
54	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

#	ARTICLE	IF	CITATIONS
55	An Effective Strategy for Greedy Behavior in Wireless Ad hoc Networks. , 2009, , .		3
56	A cross layer framework to mitigate a joint MAC and routing attack in multihop wireless networks. , 2009, , .		7
57	Defending against packet dropping attack in vehicular <i>ad hoc</i> networks. Security and Communication Networks, 2008, 1, 245-258.	1.5	14
58	ARSoS: An Adaptive, Robust, and Sub-Optimal Strategy for Automated Deployment of Anomaly Detection System in MANETs. , 2008, , .		5
59	Avoiding virtual link attacks in wireless ad hoc networks. , 2008, , .		6