

Abderrahim Benslimane

List of Publications by Year in descending order

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125
papers

2,559
citations

236925

25
h-index

233421

45
g-index

136
all docs

136
docs citations

136
times ranked

2363
citing authors

#	ARTICLE	IF	CITATIONS
1	Multi-UAV-Enabled Load-Balance Mobile-Edge Computing for IoT Networks. IEEE Internet of Things Journal, 2020, 7, 6898-6908.	8.7	206
2	Dynamic Clustering-Based Adaptive Mobile Gateway Management in Integrated VANET & 3G Heterogeneous Wireless Networks. IEEE Journal on Selected Areas in Communications, 2011, 29, 559-570.	14.0	186
3	Toward an Effective Risk-Conscious and Collaborative Vehicular Collision Avoidance System. IEEE Transactions on Vehicular Technology, 2010, 59, 1474-1486.	6.3	131
4	A Survey of Localization Systems in Internet of Things. Mobile Networks and Applications, 2019, 24, 761-785.	3.3	122
5	Learning in the Air: Secure Federated Learning for UAV-Assisted Crowdsensing. IEEE Transactions on Network Science and Engineering, 2021, 8, 1055-1069.	6.4	119
6	An efficient routing protocol for connecting vehicular networks to the Internet. Pervasive and Mobile Computing, 2011, 7, 98-113.	3.3	75
7	Optimized Dissemination of Alarm Messages in Vehicular Ad-Hoc Networks (VANET). Lecture Notes in Computer Science, 2004, , 655-666.	1.3	69
8	5G Virtualized Multi-access Edge Computing Platform for IoT Applications. Journal of Network and Computer Applications, 2018, 115, 94-102.	9.1	60
9	TACASHI: Trust-Aware Communication Architecture for Social Internet of Vehicles. IEEE Internet of Things Journal, 2019, 6, 5870-5877.	8.7	59
10	A distributed advanced analytical trust model for VANETs. , 2012, , .		56
11	Machine-Learning-Assisted Security and Privacy Provisioning for Edge Computing: A Survey. IEEE Internet of Things Journal, 2022, 9, 236-260.	8.7	51
12	Security-Aware Virtual Network Embedding Algorithm Based on Reinforcement Learning. IEEE Transactions on Network Science and Engineering, 2021, 8, 1095-1105.	6.4	49
13	High accuracy localization method using AoA in sensor networks. Computer Networks, 2009, 53, 3076-3088.	5.1	47
14	Secure and Privacy-Aware Incentives-Based Witness Service in Social Internet of Vehicles Clouds. IEEE Internet of Things Journal, 2018, 5, 2441-2448.	8.7	44
15	A Deep Learning Model for Earthquake Parameters Observation in IoT System-Based Earthquake Early Warning. IEEE Internet of Things Journal, 2022, 9, 8412-8424.	8.7	43
16	Enhancing IEEE 802.11 Random Backoff in Selfish Environments. IEEE Transactions on Vehicular Technology, 2008, 57, 1806-1822.	6.3	41
17	Trust Management in Industrial Internet of Things. IEEE Transactions on Information Forensics and Security, 2020, 15, 3667-3682.	6.9	41
18	Performance of beacon safety message dissemination in Vehicular Ad hoc NETWORKS (VANETs). Journal of Zhejiang University: Science A, 2007, 8, 1990-2004.	2.4	37

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19	An enhanced energy proficient clustering (EEPC) algorithm for relay selection in heterogeneous WSNs. <i>Ad Hoc Networks</i> , 2021, 116, 102473.	5.5	37
20	Challenges and Solutions in Autonomous Driving: A Blockchain Approach. <i>IEEE Network</i> , 2020, 34, 218-226.	6.9	36
21	Design Guidelines for a Network Architecture Integrating VANET with 3G & beyond Networks. , 2010, , .		35
22	Dynamic anchor points selection for mobility management in Software Defined Networks. <i>Journal of Network and Computer Applications</i> , 2015, 57, 1-11.	9.1	34
23	On location-privacy in opportunistic mobile networks, a survey. <i>Journal of Network and Computer Applications</i> , 2018, 103, 157-170.	9.1	33
24	An Energy-Efficient Routing Scheduling Based on Fuzzy Ranking Scheme for Internet of Things. <i>IEEE Internet of Things Journal</i> , 2022, 9, 7251-7260.	8.7	32
25	SDN-Based Resource Allocation in Edge and Cloud Computing Systems: An Evolutionary Stackelberg Differential Game Approach. <i>IEEE/ACM Transactions on Networking</i> , 2022, 30, 1613-1628.	3.8	32
26	Latency-Optimal mmWave Radio Access for V2X Supporting Next Generation Driving Use Cases. <i>IEEE Access</i> , 2019, 7, 6782-6795.	4.2	28
27	Survey on spectrum sharing/allocation for cognitive radio networks Internet of Things. <i>Egyptian Informatics Journal</i> , 2020, 21, 231-239.	6.8	28
28	Energy Power-Aware Routing in OLSR Protocol. , 2006, , .		25
29	A lifetime-based routing protocol for connecting VANETs to the Internet. , 2009, , .		25
30	NovelADS: A Novel Anomaly Detection System for Intra-Vehicular Networks. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2022, 23, 22596-22606.	8.0	25
31	Analytical study of security aspects in 6LoWPAN networks. , 2013, , .		24
32	An Energy-Efficient Multiobjective Scheduling Model for Monitoring in Internet of Things. <i>IEEE Internet of Things Journal</i> , 2018, 5, 1727-1738.	8.7	24
33	Efficient Location Privacy-Aware Forwarding in Opportunistic Mobile Networks. <i>IEEE Transactions on Vehicular Technology</i> , 2014, 63, 893-906.	6.3	22
34	ViCoV: Efficient video streaming for cognitive radio VANET. <i>Vehicular Communications</i> , 2014, 1, 105-122.	4.0	22
35	A New Block-Based Reinforcement Learning Approach for Distributed Resource Allocation in Clustered IoT Networks. <i>IEEE Transactions on Vehicular Technology</i> , 2020, 69, 2891-2904.	6.3	21
36	A Secure and Efficient Wireless Charging Scheme for Electric Vehicles in Vehicular Energy Networks. <i>IEEE Transactions on Vehicular Technology</i> , 2022, 71, 1491-1508.	6.3	21

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37	Modeling and analysis of predictable random backoff in selfish environments. , 2006, , .		20
38	Secure Clustering Scheme Based Keys Management in VANETs. , 2011, , .		20
39	Defending Malicious Check-In Using Big Data Analysis of Indoor Positioning System: An Access Point Selection Approach. IEEE Transactions on Network Science and Engineering, 2020, 7, 2642-2655.	6.4	20
40	DiLSe: Lattice-Based Secure and Dependable Data Dissemination Scheme for Social Internet of Vehicles. IEEE Transactions on Dependable and Secure Computing, 2021, 18, 2520-2534.	5.4	20
41	Noncooperative Gaming for Energy-Efficient Congestion Control in 6LoWPAN. IEEE Internet of Things Journal, 2020, 7, 4777-4788.	8.7	19
42	Reliable broadcasting using polling scheme based receiver for safety applications in vehicular networks. Vehicular Communications, 2016, 4, 1-14.	4.0	18
43	Toward a cross-layer monitoring process for mobile ad hoc networks. Security and Communication Networks, 2009, 2, 351-368.	1.5	17
44	A software-defined caching scheme for the Internet of Things. Computer Communications, 2020, 158, 178-188.	5.1	17
45	UAV-Assisted Multi-Access Edge Computing: Technologies and Challenges. IEEE Internet of Things Magazine, 2021, 4, 12-17.	2.6	17
46	Comparative analysis of RSSI-based indoor localization when using multiple antennas in Wireless Sensor Networks. , 2013, , .		16
47	Robust Enhancement of Intrusion Detection Systems Using Deep Reinforcement Learning and Stochastic Game. IEEE Transactions on Vehicular Technology, 2022, 71, 11089-11102.	6.3	16
48	Analysis of Jamming Effects on IEEE 802.11 Wireless Networks. , 2011, , .		15
49	Rate adaptation scheme for IEEE 802.11-based MANETs. Journal of Network and Computer Applications, 2014, 39, 126-139.	9.1	15
50	RSSI-based localisation algorithms using spatial diversity in wireless sensor networks. International Journal of Ad Hoc and Ubiquitous Computing, 2015, 19, 157.	0.5	15
51	Multi-objective optimization for security and QoS adaptation in Wireless Sensor Networks. , 2016, , .		15
52	A secure and resistant architecture against attacks for mobile ad hoc networks. Security and Communication Networks, 2010, 3, 150-166.	1.5	13
53	A secure cluster-based architecture for certificates management in vehicular networks. Security and Communication Networks, 2014, 7, 665-683.	1.5	13
54	Trust and Mobility-based Clustering Algorithm for Secure Mobile Ad Hoc Networks. , 2006, , .		12

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55	A new opportunistic MAC layer protocol for cognitive IEEE 802.11-based wireless networks. , 2009, , .		12
56	Reputation Aware Obfuscation for Mobile Opportunistic Networks. IEEE Transactions on Parallel and Distributed Systems, 2015, 26, 230-240.	5.6	12
57	MetalInjury: Meta-learning framework for reusing the risk knowledge of different construction accidents. Safety Science, 2021, 140, 105315.	4.9	12
58	Security and Pseudo-Anonymity with a Cluster-Based Approach for MANET. , 2008, , .		11
59	A Secure Mechanism Design-Based and Game Theoretical Model for MANETs. Mobile Networks and Applications, 2010, 15, 191-204.	3.3	11
60	Stackelberg Differential Game Based Resource Sharing in Hierarchical Fog-Cloud Computing. , 2019, , .		11
61	A new strategy for packets scheduling in cognitive radio internet of things. Computer Networks, 2020, 178, 107292.	5.1	11
62	Ellipse Routing: A Geographic Routing Protocol for Mobile Sensor Networks with Uncertain Positions. , 2008, , .		10
63	A trust-based architecture for managing certificates in vehicular ad hoc networks. , 2012, , .		10
64	The quest for location-privacy in opportunistic mobile social networks. , 2013, , .		10
65	Truck Platooning Aided Secure Publish/Subscribe System Based on Smart Contract in Autonomous Vehicular Networks. IEEE Transactions on Vehicular Technology, 2021, 70, 782-794.	6.3	10
66	On semantic clustering and adaptive robust regression based energy-aware communication with true outliers detection in WSN. Ad Hoc Networks, 2019, 94, 101934.	5.5	9
67	Dynamical grouping model for distributed real time causal ordering. Computer Communications, 2002, 25, 288-302.	5.1	8
68	Smart Attacks Based on Control Packets Vulnerabilities with IEEE 802.11 MAC. , 2008, , .		8
69	RIALS: RSU/INS-aided localization system for GPS-challenged road segments. Wireless Communications and Mobile Computing, 2016, 16, 1290-1305.	1.2	8
70	AT-Angle: A distributed method for localization using angles in sensor networks. , 2008, , .		7
71	Impacts and solutions of control packets vulnerabilities with IEEE 802.11 MAC. Wireless Communications and Mobile Computing, 2009, 9, 469-488.	1.2	7
72	Cooperative localization techniques for wireless sensor networks: free, signal and angle based-techniques. Wireless Communications and Mobile Computing, 2014, 14, 1627-1646.	1.2	7

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73	Jamming detection on 802.11p under multi-channel operation in vehicular networks. , 2015, , .		7
74	Efficient architecture for direct 8â€‰%Ã—â€‰%8 2D DCT computations with earlier zigzag ordering. Multimedia Tools and Applications, 2016, 75, 6121-6141.	3.9	7
75	Cross-Layer Approach to Improve the Monitoring Process for Mobile Ad Hoc Networks Based on IEEE 802.11. , 2007, , .		6
76	Integrating Security with QoS in Next Generation Networks. , 2010, , .		6
77	A cluster based secure architecture for vehicular ad hoc networks. , 2010, , .		6
78	Time-bounded localization algorithm based on distributed Multidimensional Scaling for Wireless Sensor Networks. , 2014, , .		6
79	Sweet: Secure Wireless Energy Transfer with Electric Vehicles in Vehicular Energy Networks. , 2020, , .		6
80	Toward Safer Vehicular Transit: Implementing Deep Learning on Single Channel EEG Systems for Microsleep Detection. IEEE Transactions on Intelligent Transportation Systems, 2023, 24, 1052-1061.	8.0	6
81	A Distributed Method to Localization for Mobile Sensor Networks. , 2007, , .		5
82	EM2NET: An Energy-Saving Explicit Multicast Protocol for MANETs. , 2007, , .		4
83	How MIMO cross-layer design enables QoS while detecting non-cooperative nodes in wireless multi-hop networks. Journal of Network and Computer Applications, 2014, 46, 395-406.	9.1	4
84	Relocating Redundant Sensors in Randomly Deployed Wireless Sensor Networks. , 2018, , .		4
85	Security-Aware Resource Sharing in Software Defined Air-Ground Integrated Networks: A Game Approach. , 2020, , .		4
86	AdaptAnon: Adaptive anonymity for service queries in mobile opportunistic networks. , 2013, , .		3
87	A Pragmatic VBR Stream Scheduling Policy for IEEE 802.11e HCCA Access Method. IEEE Transactions on Emerging Topics in Computing, 2015, 3, 514-523.	4.6	3
88	Recharging of Wireless Sensor Network using KMEC with dynamic active zone strategy. , 2016, , .		3
89	Neuro-Dominating set scheme for a fast and efficient robot deployment in internet of robotic things. Ad Hoc Networks, 2019, 86, 36-45.	5.5	3
90	A Multi-Domain VNE Algorithm Based on Load Balancing in the IoT Networks. Mobile Networks and Applications, 0, , 1.	3.3	3

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91	Automatic Detection for Privacy Violations in Android Applications. IEEE Internet of Things Journal, 2022, 9, 6159-6172.	8.7	3
92	SecAT-Dist: A Novel Secure AT-Dist Localization Scheme for Wireless Sensor Networks. , 2012, , .		2
93	Social delay tolerant approach for safety services in vehicular networks. , 2015, , .		2
94	Reducing transmission interferences for safety message dissemination in VANETs. , 2015, , .		2
95	A Game Theory Based Scheme for Secure and Cooperative UAV Communication. , 2021, , .		2
96	Guest Editorial Computational Social Systems for COVID-19 Emergency Management and Beyond. IEEE Transactions on Computational Social Systems, 2021, 8, 928-929.	4.4	2
97	A Framework to Secure Cluster-Header Decision in Wireless Sensor Network Using Blockchain. Communications in Computer and Information Science, 2020, , 205-218.	0.5	2
98	Optimal proactive monitor placement & scheduling for IoT networks. Journal of the Operational Research Society, 2022, 73, 2431-2450.	3.4	2
99	Joint Provisioning of QoS and Security in IoD Networks: Classical Optimization Meets AI. IEEE Internet of Things Magazine, 2021, 4, 40-46.	2.6	2
100	HA-A2L. , 2007, , .		1
101	A Hybrid Mesh-Explicit Multicast Protocol for MANETs. , 2007, , .		1
102	Security and privacy in ubiquitous computing. Security and Communication Networks, 2013, 6, 1417-1419.	1.5	1
103	Reliable safety message dissemination with minimum energy in VANETs. , 2013, , .		1
104	Polling scheme for reliable broadcasting in vehicular networks. , 2014, , .		1
105	LocRec: Rule-Based Successive Location Recommendation in LBSN. , 2018, , .		1
106	Coordinating Three-Branch Diversity Switching Using a Hidden Markov Model. IEEE Internet of Things Journal, 2020, 7, 258-268.	8.7	1
107	Connectivity Management in an Integrated Heterogeneous Social Networks Framework in Vehicular Environments. , 2021, , .		1
108	A Scalable Multicast Protocol with QoS Guaranties. IFIP Advances in Information and Communication Technology, 2003, , 1-13.	0.7	1

#	ARTICLE	IF	CITATIONS
109	Deciding boundedness for systems of two linear communicating finite state machines. Lecture Notes in Computer Science, 1996, , 108-122.	1.3	1
110	A Comparative Analysis of Multicast Protocols for Small MANET Groups. , 2007, , 213-225.		1
111	Guest Editorial: Introduction to the Special Section on Heterogeneous Communications Networks. IEEE Transactions on Network Science and Engineering, 2020, 7, 2361-2362.	6.4	1
112	Multimedia Multicast in Mobile Computing: Handoff Management. Annals of Software Engineering, 2001, 12, 77-93.	0.5	0
113	A Hierarchical Architecture for a Scalable Multicast. Lecture Notes in Computer Science, 2003, , 643-650.	1.3	0
114	Call for Papers: "Security in Mobile Wireless Networks"™. International Journal of Communication Systems, 2008, 21, 567-568.	2.5	0
115	Welcome message from the general chairs. , 2010, , .		0
116	Guest Editorial: Special Issue "SM 85-Wireless and Mobile Computing, Networking and Communications" Mobile Networks and Applications, 2010, 15, 187-190.	3.3	0
117	Special issue on security in mobile wireless networks. Security and Communication Networks, 2010, 3, 99-101.	1.5	0
118	A mobility-adaptive information reduction scheme for vehicle safety communications on highways. , 2012, , .		0
119	Guest Editorial: IoT: Protocol Stack, Cross-Layer, and Power Consumption Issues. IEEE Wireless Communications, 2017, 24, 8-9.	9.0	0
120	Guest Editorial Special Issue on Recent Advances on Social Internet of Vehicles. IEEE Internet of Things Journal, 2018, 5, 2420-2422.	8.7	0
121	Defending Malicious Check-in Based on Access Point Selection for Indoor Positioning System. , 2020, , .		0
122	A Distributed Secure Architecture for Vehicular Ad Hoc Networks. International Journal of Business Data Communications and Networking, 2010, 6, 38-63.	0.7	0
123	A Distributed Secure Architecture for Vehicular Ad Hoc Networks. , 2012, , 161-186.		0
124	Optimal mobile beacon trajectories for nodes localisation in wireless sensor networks. International Journal of Ad Hoc and Ubiquitous Computing, 2018, 29, 64.	0.5	0
125	Distributed Packets Scheduling Technique for Cognitive Radio Internet of Things Based on Discrete Permutation Particle Swarm Optimization. , 2020, , .		0