Abderrahim Benslimane

List of Publications by Year
in descending order

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	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
2	An Energy-Efficient Routing Scheduling Based on Fuzzy Ranking Scheme for Internet of Things. IEEE Internet of Things Journal, 2022, 9, 7251-7260.	8.7	32
3	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
4	Machine-Learning-Assisted Security and Privacy Provisioning for Edge Computing: A Survey. IEEE Internet of Things Journal, 2022, 9, 236-260.	8.7	51
5	Automatic Detection for Privacy Violations in Android Applications. IEEE Internet of Things Journal, 2022, 9, 6159-6172.	8.7	3
6	A Secure and Efficient Wireless Charging Scheme for Electric Vehicles in Vehicular Energy Networks. IEEE Transactions on Vehicular Technology, 2022, 71, 1491-1508.	6.3	21
7	Optimal proactive monitor placement & scheduling for IoT networks. Journal of the Operational Research Society, 2022, 73, 2431-2450.	3.4	2
8	NovelADS: A Novel Anomaly Detection System for Intra-Vehicular Networks. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 22596-22606.	8.0	25
9	SDN-Based Resource Allocation in Edge and Cloud Computing Systems: An Evolutionary Stackelberg Differential Game Approach. IEEE/ACM Transactions on Networking, 2022, 30, 1613-1628.	3.8	32
10	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
11	Security-Aware Virtual Network Embedding Algorithm Based on Reinforcement Learning. IEEE Transactions on Network Science and Engineering, 2021, 8, 1095-1105.	6.4	49
12	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
13	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
14	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
15	An enhanced energy proficient clustering (EEPC) algorithm for relay selection in heterogeneous WSNs. Ad Hoc Networks, 2021, 116, 102473.	5.5	37
16	A Game Theory Based Scheme for Secure and Cooperative UAV Communication. , 2021, , .		2
17	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
18	MetaInjury: Meta-learning framework for reusing the risk knowledge of different construction accidents. Safety Science, 2021, 140, 105315.	4.9	12

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19	Connectivity Management in an Integrated Heterogeneous Social Networks Framework in Vehicular Environments. , 2021, , .		1
20	UAV-Assisted Multi-Access Edge Computing: Technologies and Challenges. IEEE Internet of Things Magazine, 2021, 4, 12-17.	2.6	17
21	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
22	Coordinating Three-Branch Diversity Switching Using a Hidden Markov Model. IEEE Internet of Things Journal, 2020, 7, 258-268.	8.7	1
23	Defending Malicious Check-in Based on Access Point Selection for Indoor Positioning System. , 2020, , .		0
24	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
25	Sweet: Secure Wireless Energy Transfer with Electric Vehicles in Vehicular Energy Networks. , 2020, , .		6
26	Noncooperative Gaming for Energy-Efficient Congestion Control in 6LoWPAN. IEEE Internet of Things Journal, 2020, 7, 4777-4788.	8.7	19
27	A software-defined caching scheme for the Internet of Things. Computer Communications, 2020, 158, 178-188.	5.1	17
28	Trust Management in Industrial Internet of Things. IEEE Transactions on Information Forensics and Security, 2020, 15, 3667-3682.	6.9	41
29	A new strategy for packets scheduling in cognitive radio internet of things. Computer Networks, 2020, 178, 107292.	5.1	11
30	Survey on spectrum sharing/allocation for cognitive radio networks Internet of Things. Egyptian Informatics Journal, 2020, 21, 231-239.	6.8	28
31	Challenges and Solutions in Autonomous Driving: A Blockchain Approach. IEEE Network, 2020, 34, 218-226.	6.9	36
32	Multi-UAV-Enabled Load-Balance Mobile-Edge Computing for IoT Networks. IEEE Internet of Things Journal, 2020, 7, 6898-6908.	8.7	206
33	A New Block-Based Reinforcement Learning Approach for Distributed Resource Allocation in Clustered IoT Networks. IEEE Transactions on Vehicular Technology, 2020, 69, 2891-2904.	6.3	21
34	Security-Aware Resource Sharing in Software Defined Air-Ground Integrated Networks: A Game Approach. , 2020, , .		4
35	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
36	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

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37	Distributed Packets Scheduling Technique for Cognitive Radio Internet of Things Based on Discrete Permutation Particle Swarm Optimization. , 2020, , .		0
38	A Survey of Localization Systems in Internet of Things. Mobile Networks and Applications, 2019, 24, 761-785.	3.3	122
39	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
40	Stackelberg Differential Game Based Resource Sharing in Hierarchical Fog-Cloud Computing. , 2019, , .		11
41	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
42	Latency-Optimal mmWave Radio Access for V2X Supporting Next Generation Driving Use Cases. IEEE Access, 2019, 7, 6782-6795.	4.2	28
43	TACASHI: Trust-Aware Communication Architecture for Social Internet of Vehicles. IEEE Internet of Things Journal, 2019, 6, 5870-5877.	8.7	59
44	An Energy-Efficient Multiobjective Scheduling Model for Monitoring in Internet of Things. IEEE Internet of Things Journal, 2018, 5, 1727-1738.	8.7	24
45	On location-privacy in opportunistic mobile networks, a survey. Journal of Network and Computer Applications, 2018, 103, 157-170.	9.1	33
46	Relocating Redundant Sensors in Randomly Deployed Wireless Sensor Networks. , 2018, , .		4
47	5G Virtualized Multi-access Edge Computing Platform for IoT Applications. Journal of Network and Computer Applications, 2018, 115, 94-102.	9.1	60
48	LocRec: Rule-Based Successive Location Recommendation in LBSN. , 2018, , .		1
49	Guest Editorial Special Issue on Recent Advances on Social Internet of Vehicles. IEEE Internet of Things Journal, 2018, 5, 2420-2422.	8.7	0
50	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
51	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
52	Guest Editorial: IoT: Protocol Stack, Cross-Layer, and Power Consumption Issues. IEEE Wireless Communications, 2017, 24, 8-9.	9.0	0
53	RIALS: RSU/INSâ€aided localization system for GPSâ€challenged road segments. Wireless Communications and Mobile Computing, 2016, 16, 1290-1305.	1.2	8
54	Recharging of Wireless Sensor Network using KMEC with dynamic active zone strategy. , 2016, , .		3

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55	Multi-objective optimization for security and QoS adaptation in Wireless Sensor Networks. , 2016, , .		15
56	Reliable broadcasting using polling scheme based receiver for safety applications in vehicular networks. Vehicular Communications, 2016, 4, 1-14.	4.0	18
57	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
58	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
59	Jamming detection on 802.11p under multi-channel operation in vehicular networks. , 2015, , .		7
60	Social delay tolerant approach for safety services in vehicular networks. , 2015, , .		2
61	Reducing transmission interferences for safety message dissemination in VANETs. , 2015, , .		2
62	Reputation Aware Obfuscation for Mobile Opportunistic Networks. IEEE Transactions on Parallel and Distributed Systems, 2015, 26, 230-240.	5.6	12
63	Dynamic anchor points selection for mobility management in Software Defined Networks. Journal of Network and Computer Applications, 2015, 57, 1-11.	9.1	34
64	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
65	Cooperative localization techniques for wireless sensor networks: free, signal and angle basedâ€‰techniques. Wireless Communications and Mobile Computing, 2014, 14, 1627-1646.	1.2	7
66	Efficient Location Privacy-Aware Forwarding in Opportunistic Mobile Networks. IEEE Transactions on Vehicular Technology, 2014, 63, 893-906.	6.3	22
67	Polling scheme for reliable broadcasting in vehicular networks. , 2014, , .		1
68	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
69	Time-bounded localization algorithm based on distributed Multidimensional Scaling for Wireless Sensor Networks. , 2014, , .		6
70	Rate adaptation scheme for IEEE 802.11-based MANETs. Journal of Network and Computer Applications, 2014, 39, 126-139.	9.1	15
71	ViCoV: Efficient video streaming for cognitive radio VANET. Vehicular Communications, 2014, 1, 105-122.	4.0	22
72	A secure clusterâ€‰based architecture for certificates management in vehicular networks. Security and Communication Networks, 2014, 7, 665-683.	1.5	13

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73	Analytical study of security aspects in 6LoWPAN networks. , 2013, , .		24
74	Comparative analysis of RSSI-based indoor localization when using multiple antennas in Wireless Sensor Networks. , 2013, , .		16
75	The quest for location-privacy in opportunistic mobile social networks. , 2013, , .		10
76	Security and privacy in ubiquitous computing. Security and Communication Networks, 2013, 6, 1417-1419.	1.5	1
77	Reliable safety message dissemination with minimum energy in VANETs. , 2013, , .		1
78	AdaptAnon: Adaptive anonymity for service queries in mobile opportunistic networks. , 2013, , .		3
79	A mobility-adaptive information reduction scheme for vehicle safety communications on highways. , 2012, , .		0
80	A trust-based architecture for managing certificates in vehicular ad hoc networks. , 2012, , .		10
81	A distributed advanced analytical trust model for VANETs. , 2012, , .		56
82	SecAT-Dist: A Novel Secure AT-Dist Localization Scheme for Wireless Sensor Networks. , 2012, , .		2
83	A Distributed Secure Architecture for Vehicular Ad Hoc Networks. , 2012, , 161-186.		0
84	Analysis of Jamming Effects on IEEE 802.11 Wireless Networks. , 2011, , .		15
85	Dynamic Clustering-Based Adaptive Mobile Gateway Management in Integrated VANET â€" 3G Heterogeneous Wireless Networks. IEEE Journal on Selected Areas in Communications, 2011, 29, 559-570.	14.0	186
86	Secure Clustering Scheme Based Keys Management in VANETs. , 2011, , .		20
87	An efficient routing protocol for connecting vehicular networks to the Internet. Pervasive and Mobile Computing, 2011, 7, 98-113.	3.3	75
88	Welcome message from the general chairs. , 2010, , .		0
89	A Secure Mechanism Design-Based and Game Theoretical Model for MANETs. Mobile Networks and Applications, 2010, 15, 191-204.	3.3	11
90	Guest Editorial: Special Issue â€œSM 85-Wireless and Mobile Computing, Networking and Communicationsâ€. Mobile Networks and Applications, 2010, 15, 187-190.	3.3	0

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91	Toward an Effective Risk-Conscious and Collaborative Vehicular Collision Avoidance System. IEEE Transactions on Vehicular Technology, 2010, 59, 1474-1486.	6.3	131
92	A secure and resistant architecture against attacks for mobile ad hoc networks. Security and Communication Networks, 2010, 3, 150-166.	1.5	13
93	Special issue on security in mobile wireless networks. Security and Communication Networks, 2010, 3, 99-101.	1.5	0
94	Design Guidelines for a Network Architecture Integrating VANET with 3G &amp; beyond Networks. , 2010, , .		35
95	Integrating Security with QoS in Next Generation Networks. , 2010, , .		6
96	A cluster based secure architecture for vehicular ad hoc networks. , 2010, , .		6
97	A Distributed Secure Architecture for Vehicular Ad Hoc Networks. International Journal of Business Data Communications and Networking, 2010, 6, 38-63.	0.7	0
98	A lifetime-based routing protocol for connecting VANETs to the Internet. , 2009, , .		25
99	Impacts and solutions of control packets vulnerabilities with IEEE 802.11 MAC. Wireless Communications and Mobile Computing, 2009, 9, 469-488.	1.2	7
100	Toward a cross-layer monitoring process for mobile ad hoc networks. Security and Communication Networks, 2009, 2, 351-368.	1.5	17
101	High accuracy localization method using AoA in sensor networks. Computer Networks, 2009, 53, 3076-3088.	5.1	47
102	A new opportunistic MAC layer protocol for cognitive IEEE 802.11-based wireless networks. , 2009, , .		12
103	Call for Papers: â€˜<i>Security in Mobile Wireless Networks</i>â€™. International Journal of Communication Systems, 2008, 21, 567-568.	2.5	0
104	Enhancing IEEE 802.11 Random Backoff in Selfish Environments. IEEE Transactions on Vehicular Technology, 2008, 57, 1806-1822.	6.3	41
105	Smart Attacks Based on Control Packets Vulnerabilities with IEEE 802.11 MAC. , 2008, , .		8
106	Security and Pseudo-Anonymity with a Cluster-Based Approach for MANET. , 2008, , .		11
107	AT-Angle: A distributed method for localization using angles in sensor networks. , 2008, , .		7
108	Ellipse Routing: A Geographic Routing Protocol for Mobile Sensor Networks with Uncertain Positions. , 2008, , .		10

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109	HA-A2L. , 2007, , .		1
110	Cross-Layer Approach to Improve the Monitoring Process for Mobile Ad Hoc Networks Based on IEEE 802.11. , 2007, , .		6
111	A Hybrid Mesh-Explicit Multicast Protocol for MANETs. , 2007, , .		1
112	EM2NET: An Energy-Saving Explicit Multicast Protocol for MANETs. , 2007, , .		4
113	A Distributed Method to Localization for Mobile Sensor Networks. , 2007, , .		5
114	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
115	A Comparative Analysis of Multicast Protocols for Small MANET Groups. , 2007, , 213-225.		1
116	Energy Power-Aware Routing in OLSR Protocol. , 2006, , .		25
117	Trust and Mobility-based Clustering Algorithm for Secure Mobile Ad Hoc Networks. , 2006, , .		12
118	Modeling and analysis of predictable random backoff in selfish environments. , 2006, , .		20
119	Optimized Dissemination of Alarm Messages in Vehicular Ad-Hoc Networks (VANET). Lecture Notes in Computer Science, 2004, , 655-666.	1.3	69
120	A Hierarchical Architecture for a Scalable Multicast. Lecture Notes in Computer Science, 2003, , 643-650.	1.3	0
121	A Scalable Multicast Protocol with QoS Guaranties. IFIP Advances in Information and Communication Technology, 2003, , 1-13.	0.7	1
122	Dynamical grouping model for distributed real time causal ordering. Computer Communications, 2002, 25, 288-302.	5.1	8
123	Multimedia Multicast in Mobile Computing: Handoff Management. Annals of Software Engineering, 2001, 12, 77-93.	0.5	0
124	Deciding boundedness for systems of two linear communicating finite state machines. Lecture Notes in Computer Science, 1996, , 108-122.	1.3	1
125	A Multi-Domain VNE Algorithm Based on Load Balancing in the IoT Networks. Mobile Networks and Applications, 0, , 1.	3.3	3