

Abderrezak Rachedi

List of Publications by Year in descending order

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113
papers

2,568
citations

394421

19
h-index

265206

42
g-index

116
all docs

116
docs citations

116
times ranked

2793
citing authors

#	ARTICLE	IF	CITATIONS
1	Software-defined networking in vehicular networks: A survey. Transactions on Emerging Telecommunications Technologies, 2022, 33, e4265.	3.9	12
2	RoofCoin: a blockchain for internet of vehicles based on the ROOF standard and VSN. , 2022, , .		0
3	A novel cooperative clustering approach based on multi-criteria decision-making for IoV. International Journal of High Performance Systems Architecture, 2022, 11, 36.	0.3	0
4	On the issues of selective jamming in IEEE 802.15.4-based wireless body area networks. Peer-to-Peer Networking and Applications, 2021, 14, 135-150.	3.9	12
5	Selection of relays based on the classification of mobility type and localized network metrics in the Internet of Vehicles. Transactions on Emerging Telecommunications Technologies, 2021, 32, e4246.	3.9	10
6	Named data networking architecture for internet of vehicles in the era of 5G. Annales Des Telecommunications/Annals of Telecommunications, 2021, 76, 717-729.	2.5	14
7	Convolutional neural network for relays selection in the Internet of Vehicles. , 2021, , .		0
8	Dynamic selection of relays based on classification of mobility profile in a highly mobile context. , 2020, , .		4
9	Vehicular Fog Resource Allocation Scheme: A Multi-Objective Optimization based Approach. , 2020, , .		7
10	FellowMe Cache: Fog Computing approach to enhance (QoE) in Internet of Vehicles. Future Generation Computer Systems, 2020, 113, 170-182.	7.5	22
11	Graph-Based Radio Resource Sharing Schemes for MTC in D2D-based 5G Networks. Mobile Networks and Applications, 2020, 25, 1095-1113.	3.3	13
12	PoolCoin: Toward a distributed trust model for miners' reputation management in blockchain. , 2020, , .		21
13	Toward a Machine Learning and Software Defined Network Approaches to Manage Miners' Reputation in Blockchain. Journal of Network and Systems Management, 2020, 28, 478-501.	4.9	28
14	Programmable objective function for data transportation in the Internet of Vehicles. Transactions on Emerging Telecommunications Technologies, 2020, 31, e3882.	3.9	17
15	A Survey on Vehicular Fog Computing: Motivation, Architectures, Taxonomy, and Issues. Advances in Intelligent Systems and Computing, 2020, , 159-168.	0.6	4
16	A blockchain-based framework to secure vehicular social networks. Transactions on Emerging Telecommunications Technologies, 2019, 30, e3650.	3.9	28
17	Toward a big data approach for indexing encrypted data in Cloud Computing. Security and Privacy, 2019, 2, e65.	2.7	12
18	Vehicular fog gateways selection on the internet of vehicles: A fuzzy logic with ant colony optimization based approach. Ad Hoc Networks, 2019, 91, 101879.	5.5	41

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19	Vehicular cloud networking: evolutionary game with reinforcement learning-based access approach. International Journal of Bio-Inspired Computation, 2019, 13, 45.	0.9	18
20	EMA-RPL: Energy and mobility aware routing for the Internet of Mobile Things. Future Generation Computer Systems, 2019, 97, 247-258.	7.5	61
21	Special Issue on Selected Papers from e-Health Pervasive Wireless Applications and Services 2017. Information (Switzerland), 2019, 10, 52.	2.9	2
22	UAV-Assisted Supporting Services Connectivity in Urban VANETs. IEEE Transactions on Vehicular Technology, 2019, 68, 3944-3951.	6.3	110
23	Graph-Partition Based Fast Channel Assignment in Cellular Networks. , 2019, , .		0
24	Mc-Track: A Cloud Based Data Oriented Vehicular Tracking System with Adaptive Security. , 2019, , .		7
25	Towards a distributed ABE based approach to protect privacy on online social networks. , 2019, , .		7
26	Model-Driven Framework to Speed up Design and Exploitation of Sensor Networks. , 2019, , .		0
27	Model driven framework to enhance sensor network design cycle. Transactions on Emerging Telecommunications Technologies, 2019, 30, e3560.	3.9	5
28	A new fuzzy logic based node localization mechanism for Wireless Sensor Networks. Future Generation Computer Systems, 2019, 93, 799-813.	7.5	52
29	EKF-MRPL: Advanced mobility support routing protocol for internet of mobile things: Movement prediction approach. Future Generation Computer Systems, 2019, 93, 822-832.	7.5	44
30	Vehicular cloud networking: evolutionary game with reinforcement learning-based access approach. International Journal of Bio-Inspired Computation, 2019, 13, 45.	0.9	3
31	IEEE ACCESS Special Section Editorial: Energy Harvesting and Scavenging: Technologies, Algorithms, and Communication Protocols. IEEE Access, 2018, 6, 13461-13465.	4.2	1
32	Integrating Renewable Energy Resources Into the Smart Grid: Recent Developments in Information and Communication Technologies. IEEE Transactions on Industrial Informatics, 2018, 14, 2814-2825.	11.3	255
33	IEEE Access Special Section Editorial: Green Cloud and Fog Computing: Energy Efficiency and Sustainability Aware Infrastructures, Protocols, and Applications. IEEE Access, 2018, 6, 12280-12283.	4.2	4
34	Programmable architecture based on Software Defined Network for Internet of Things: Connected Dominated Sets approach. Future Generation Computer Systems, 2018, 80, 188-197.	7.5	39
35	Towards Multi-Access Edge Based Vehicular Fog Computing Architecture. , 2018, , .		10
36	Fuzzy-Based Objective Function for Routing Protocol in the Internet of Things. , 2018, , .		14

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37	New Slot-Head Jamming Attack and Mitigation Mechanism for Wireless Body Area Networks. , 2018, , .		5
38	Towards a Blockchain and Software-Defined Vehicular Networks Approaches to Secure Vehicular Social Network. , 2018, , .		26
39	BadZak: An Hybrid Architecture Based on Virtual Backbone and Software Defined Network for Internet of Vehicles. , 2018, , .		20
40	Cognitive-Radio-Based Internet of Things: Applications, Architectures, Spectrum Related Functionalities, and Future Research Directions. IEEE Wireless Communications, 2017, 24, 17-25.	9.0	360
41	Vehicular cloud networks: Challenges, architectures, and future directions. Vehicular Communications, 2017, 9, 268-280.	4.0	108
42	An hybrid and proactive architecture based on SDN for Internet of Things. , 2017, , .		5
43	Proactive and hybrid wireless network access strategy for Vehicle Cloud networks: An evolutionary game approach. , 2017, , .		4
44	EC-MRPL: An energy-efficient and mobility support routing protocol for Internet of Mobile Things. , 2017, , .		30
45	Markov chain-based performance analysis of MIMO-aware media access control protocol. , 2017, , .		0
46	Guest Editorial Special Section on Smart Grid and Renewable Energy Resources: Information and Communication Technologies With Industry Perspective. IEEE Transactions on Industrial Informatics, 2017, 13, 3119-3123.	11.3	18
47	A survey on mobility management protocols in Wireless Sensor Networks based on 6LoWPAN technology. Computer Communications, 2016, 74, 3-15.	5.1	117
48	IEEE Access Special Section Editorial: The Plethora of Research in Internet of Things (IoT). IEEE Access, 2016, 4, 9575-9579.	4.2	33
49	A Secure Routing Protocol Based on RPL for Internet of Things. , 2016, , .		85
50	Efficient transmission strategy selection algorithm for M2M communications: An evolutionary game approach. , 2016, , .		13
51	Scheduling algorithm based on PID controller for OFDM wireless networks. , 2016, , .		1
52	When Cognitive Radio meets the Internet of Things?. , 2016, , .		82
53	To send or to defer? Improving the IEEE 802.11p/1609.4 transmission scheme. Ad Hoc Networks, 2016, 48, 53-65.	5.5	6
54	A flexible M2M radio resource sharing scheme in LTE networks within an H2H/M2M coexistence scenario. , 2016, , .		12

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55	A survey on smart traffic network control and optimization. , 2016, , .		5
56	Multi-objective optimization for security and QoS adaptation in Wireless Sensor Networks. , 2016, , .		15
57	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
58	A study of mobility support in wearable health monitoring systems: Design framework. , 2015, , .		6
59	Radio Resource Sharing for MTC in LTE-A: An Interference-Aware Bipartite Graph Approach. , 2015, , .		17
60	Advanced quality of services with security integration in wireless sensor networks. Wireless Communications and Mobile Computing, 2015, 15, 1106-1116.	1.2	19
61	Radio resource sharing for MTC in LTE-A: An approach based on the bipartite graph. , 2015, , .		4
62	Jamming detection on 802.11p under multi-channel operation in vehicular networks. , 2015, , .		7
63	Performance evaluation of MIMO-based MAC/PHY cross-layer design in multi-hop ad hoc networks. , 2015, , .		1
64	IEEE Access Special Section Editorial Smart Grids: a Hub of Interdisciplinary Research. IEEE Access, 2015, 3, 3114-3118.	4.2	41
65	EMCOS: Energy-efficient Mechanism for Multimedia Streaming over Cognitive Radio Sensor Networks. Pervasive and Mobile Computing, 2015, 22, 16-32.	3.3	24
66	Modeling tools to evaluate the performance of wireless multi-hop networks. , 2015, , 653-682.		10
67	Clustering in cognitive radio for multimedia streaming over wireless Sensor networks. , 2015, , .		6
68	A Job Market Signaling Scheme for Incentive and Trust Management in Vehicular Ad Hoc Networks. IEEE Transactions on Vehicular Technology, 2015, 64, 3657-3674.	6.3	103
69	Radio Resource Sharing for MTC in LTE-A: An Interference-Aware Bipartite Graph Approach. , 2014, , .		0
70	PMT<sup>2</sup>: A Predictive Mobile Target Tracking Algorithm in Wireless Multimedia Sensor Networks. , 2014, , .		4
71	Intelligent antenna selection decision in IEEE 802.15.4 wireless sensor networks: An experimental analysis. Computers and Electrical Engineering, 2014, 40, 443-455.	4.8	17
72	Enhancing content dissemination for ad hoc cognitive radio. , 2014, , .		2

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73	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
74	A collaborative tracking algorithm for communicating target in Wireless Multimedia Sensor Networks. , 2014, , .		1
75	Time-bounded localization algorithm based on distributed Multidimensional Scaling for Wireless Sensor Networks. , 2014, , .		6
76	Rate adaptation scheme for IEEE 802.11-based MANETs. Journal of Network and Computer Applications, 2014, 39, 126-139.	9.1	15
77	A secure cluster-based architecture for certificates management in vehicular networks. Security and Communication Networks, 2014, 7, 665-683.	1.5	13
78	Incentive Scheduler Algorithm for Cooperation and Coverage Extension in Wireless Networks. IEEE Transactions on Vehicular Technology, 2013, 62, 797-808.	6.3	29
79	Trust and exclusion in Vehicular Ad Hoc Networks: An economic incentive model based approach. , 2013, , .		24
80	PTA: A Predictive Tracking Algorithm in Wireless Multimedia Sensor Networks. , 2013, , .		7
81	Comparative analysis of RSSI-based indoor localization when using multiple antennas in Wireless Sensor Networks. , 2013, , .		16
82	CTA: A collaborative tracking algorithm in wireless sensor networks. , 2013, , .		4
83	On the feasibility of making intelligent antenna selection decision in IEEE 802.15.4 wireless sensor networks. , 2013, , .		3
84	A new model for NGN pervasive e-Health services. , 2013, , .		4
85	Security with Quality-of-Services optimization in Wireless Sensor Networks. , 2013, , .		6
86	DTM²: Adapting job market signaling for distributed trust management in vehicular ad hoc networks. , 2013, , .		5
87	Wireless network simulators relevance compared to a real testbed in outdoor and indoor environments. International Journal of Autonomous and Adaptive Communications Systems, 2012, 5, 88.	0.3	5
88	Towards intelligent antenna selection in IEEE 802.15.4 wireless sensor networks. , 2012, , .		9
89	EDES — Efficient dynamic selective encryption framework to secure multimedia traffic in Wireless Sensor Networks. , 2012, , .		8
90	Channel bonding in cognitive radio wireless sensor networks. , 2012, , .		20

#	ARTICLE	IF	CITATIONS
91	A trust-based architecture for managing certificates in vehicular ad hoc networks. , 2012, , .		10
92	A distributed advanced analytical trust model for VANETs. , 2012, , .		56
93	MIMODog: How to solve the problem of selfish misbehavior detection mechanism in MANETs using MIMO technology. , 2012, , .		1
94	Advanced diffusion of Classified Data in Vehicular Sensor Networks. , 2011, , .		4
95	Energy-aware object tracking algorithm using heterogeneous wireless sensor networks. , 2011, , .		19
96	Multichannel access for bandwidth improvement in IEEE 802.15.4 Wireless Sensor Networks. , 2011, , .		10
97	Modeling and performance evaluation of Advanced Diffusion with Classified Data in vehicular sensor networks. Wireless Communications and Mobile Computing, 2011, 11, 1689-1701.	1.2	12
98	Coverage extension based on incentive scheduler for mobile relaying nodes in wireless networks. , 2011, , .		0
99	muDog: Smart Monitoring Mechanism for Wireless Sensor Networks Based on IEEE 802.15.4 MAC. , 2011, , .		6
100	Wireless Sensor Network simulators relevance compared to a real IEEE 802.15.4 Testbed. , 2011, , .		3
101	A Secure Mechanism Design-Based and Game Theoretical Model for MANETs. Mobile Networks and Applications, 2010, 15, 191-204.	3.3	11
102	A secure and resistant architecture against attacks for mobile ad hoc networks. Security and Communication Networks, 2010, 3, 150-166.	1.5	13
103	Wireless network simulators relevance compared to a real testbed in outdoor and indoor environments. , 2010, , .		15
104	A Cost Function for QoS-Aware Routing in Multi-tier Wireless Multimedia Sensor Networks. Lecture Notes in Computer Science, 2009, , 81-93.	1.3	10
105	Impacts and solutions of control packets vulnerabilities with IEEE 802.11 MAC. Wireless Communications and Mobile Computing, 2009, 9, 469-488.	1.2	7
106	Toward a cross-layer monitoring process for mobile ad hoc networks. Security and Communication Networks, 2009, 2, 351-368.	1.5	17
107	A Mechanism Design-Based Secure Architecture for Mobile Ad Hoc Networks. , 2008, , .		1
108	Smart Attacks Based on Control Packets Vulnerabilities with IEEE 802.11 MAC. , 2008, , .		8

#	ARTICLE	IF	CITATIONS
109	Security and Pseudo-Anonymity with a Cluster-Based Approach for MANET. , 2008, , .		11
110	Relative Fairness and Optimized throughput for Mobile Ad Hoc Networks. , 2008, , .		1
111	Cross-Layer Approach to Improve the Monitoring Process for Mobile Ad Hoc Networks Based on IEEE 802.11. , 2007, , .		6
112	A Confident Community to Secure Mobile Ad Hoc Networks. , 2007, , .		6
113	Trust and Mobility-based Clustering Algorithm for Secure Mobile Ad Hoc Networks. , 2006, , .		12