Abderrezak Rachedi

List of Publications by Year
in descending order

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	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
2	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
3	A survey on mobility management protocols in Wireless Sensor Networks based on 6LoWPAN technology. Computer Communications, 2016, 74, 3-15.	5.1	117
4	UAV-Assisted Supporting Services Connectivity in Urban VANETs. IEEE Transactions on Vehicular Technology, 2019, 68, 3944-3951.	6.3	110
5	Vehicular cloud networks: Challenges, architectures, and future directions. Vehicular Communications, 2017, 9, 268-280.	4.0	108
6	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
7	A Secure Routing Protocol Based on RPL for Internet of Things. , 2016, , .		85
8	When Cognitive Radio meets the Internet of Things?. , 2016, , .		82
9	EMA-RPL: Energy and mobility aware routing for the Internet of Mobile Things. Future Generation Computer Systems, 2019, 97, 247-258.	7.5	61
10	A distributed advanced analytical trust model for VANETs. , 2012, , .		56
11	A new fuzzy logic based node localization mechanism for Wireless Sensor Networks. Future Generation Computer Systems, 2019, 93, 799-813.	7.5	52
12	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
13	IEEE Access Special Section Editorial Smart Grids: a Hub of Interdisciplinary Research. IEEE Access, 2015, 3, 3114-3118.	4.2	41
14	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
15	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
16	IEEE Access Special Section Editorial: The Plethora of Research in Internet of Things (IoT). IEEE Access, 2016, 4, 9575-9579.	4.2	33
17	EC-MRPL: An energy-efficient and mobility support routing protocol for Internet of Mobile Things. , 2017, , .		30
18	Incentive Scheduler Algorithm for Cooperation and Coverage Extension in Wireless Networks. IEEE Transactions on Vehicular Technology, 2013, 62, 797-808.	6.3	29

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19	A blockchainâ€based framework to secure vehicular social networks. Transactions on Emerging Telecommunications Technologies, 2019, 30, e3650.	3.9	28
20	Toward a Machine Learning and Software Defined Network Approaches to Manage Minersâ€™ Reputation in Blockchain. Journal of Network and Systems Management, 2020, 28, 478-501.	4.9	28
21	Towards a Blockchain and Software-Defined Vehicular Networks Approaches to Secure Vehicular Social Network. , 2018, , .		26
22	Trust and exclusion in Vehicular Ad Hoc Networks: An economic incentive model based approach. , 2013, , .		24
23	EMCOS: Energy-efficient Mechanism for Multimedia Streaming over Cognitive Radio Sensor Networks. Pervasive and Mobile Computing, 2015, 22, 16-32.	3.3	24
24	FellowMe Cache: Fog Computing approach to enhance (QoE) in Internet of Vehicles. Future Generation Computer Systems, 2020, 113, 170-182.	7.5	22
25	PoolCoin: Toward a distributed trust model for miners' reputation management in blockchain. , 2020, , .		21
26	Channel bonding in cognitive radio wireless sensor networks. , 2012, , .		20
27	BadZak: An Hybrid Architecture Based on Virtual Backbone and Software Defined Network for Internet of Vehicles. , 2018, , .		20
28	Energy-aware object tracking algorithm using heterogeneous wireless sensor networks. , 2011, , .		19
29	Advanced quality of services with security integration in wireless sensor networks. Wireless Communications and Mobile Computing, 2015, 15, 1106-1116.	1.2	19
30	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
31	Vehicular cloud networking: evolutionary game with reinforcement learning-based access approach. International Journal of Bio-Inspired Computation, 2019, 13, 45.	0.9	18
32	Toward a cross-layer monitoring process for mobile ad hoc networks. Security and Communication Networks, 2009, 2, 351-368.	1.5	17
33	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
34	Radio Resource Sharing for MTC in LTE-A: An Interference-Aware Bipartite Graph Approach. , 2015, , .		17
35	Programmable objective function for data transportation in the Internet of Vehicles. Transactions on Emerging Telecommunications Technologies, 2020, 31, e3882.	3.9	17
36	Comparative analysis of RSSI-based indoor localization when using multiple antennas in Wireless Sensor Networks. , 2013, , .		16

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37	Wireless network simulators relevance compared to a real testbed in outdoor and indoor environments. , 2010, , .		15
38	Rate adaptation scheme for IEEE 802.11-based MANETs. Journal of Network and Computer Applications, 2014, 39, 126-139.	9.1	15
39	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
40	Multi-objective optimization for security and QoS adaptation in Wireless Sensor Networks. , 2016, , .		15
41	Fuzzy-Based Objective Function for Routing Protocol in the Internet of Things. , 2018, , .		14
42	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
43	A secure and resistant architecture against attacks for mobile ad hoc networks. Security and Communication Networks, 2010, 3, 150-166.	1.5	13
44	A secure cluster€based architecture for certificates management in vehicular networks. Security and Communication Networks, 2014, 7, 665-683.	1.5	13
45	Efficient transmission strategy selection algorithm for M2M communications: An evolutionary game approach. , 2016, , .		13
46	Graph-Based Radio Resource Sharing Schemes for MTC in D2D-based 5G Networks. Mobile Networks and Applications, 2020, 25, 1095-1113.	3.3	13
47	Trust and Mobility-based Clustering Algorithm for Secure Mobile Ad Hoc Networks. , 2006, , .		12
48	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
49	A flexible M2M radio resource sharing scheme in LTE networks within an H2H/M2M coexistence scenario. , 2016, , .		12
50	Toward a big data approach for indexing encrypted data in Cloud Computing. Security and Privacy, 2019, 2, e65.	2.7	12
51	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
52	Software€defined networking in vehicular networks: A survey. Transactions on Emerging Telecommunications Technologies, 2022, 33, e4265.	3.9	12
53	Security and Pseudo-Anonymity with a Cluster-Based Approach for MANET. , 2008, , .		11
54	A Secure Mechanism Design-Based and Game Theoretical Model for MANETs. Mobile Networks and Applications, 2010, 15, 191-204.	3.3	11

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55	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
56	Multichannel access for bandwidth improvement in IEEE 802.15.4 Wireless Sensor Networks. , 2011, , .		10
57	A trust-based architecture for managing certificates in vehicular ad hoc networks. , 2012, , .		10
58	Modeling tools to evaluate the performance of wireless multi-hop networks. , 2015, , 653-682.		10
59	Towards Multi-Access Edge Based Vehicular Fog Computing Architecture. , 2018, , .		10
60	Selection of relays based on the classification of mobilityâ€type and localized network metrics in the Internet of Vehicles. Transactions on Emerging Telecommunications Technologies, 2021, 32, e4246.	3.9	10
61	Towards intelligent antenna selection in IEEE 802.15.4 wireless sensor networks. , 2012, , .		9
62	Smart Attacks Based on Control Packets Vulnerabilities with IEEE 802.11 MAC. , 2008, , .		8
63	EDES &#x2014; Efficient dynamic selective encryption framework to secure multimedia traffic in Wireless Sensor Networks. , 2012, , .		8
64	Impacts and solutions of control packets vulnerabilities with IEEE 802.11 MAC. Wireless Communications and Mobile Computing, 2009, 9, 469-488.	1.2	7
65	PTA: A Predictive Tracking Algorithm in Wireless Multimedia Sensor Networks. , 2013, , .		7
66	Jamming detection on 802.11p under multi-channel operation in vehicular networks. , 2015, , .		7
67	Mc-Track: A Cloud Based Data Oriented Vehicular Tracking System with Adaptive Security. , 2019, , .		7
68	Towards a distributed ABE based approach to protect privacy on online social networks. , 2019, , .		7
69	Vehicular Fog Resource Allocation Scheme: A Multi-Objective Optimization based Approach. , 2020, , .		7
70	Cross-Layer Approach to Improve the Monitoring Process for Mobile Ad Hoc Networks Based on IEEE 802.11. , 2007, , .		6
71	A Confident Community to Secure Mobile Ad Hoc Networks. , 2007, , .		6
72	muDog: Smart Monitoring Mechanism for Wireless Sensor Networks Based on IEEE 802.15.4 MAC. , 2011, , .		6

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73	Security with Quality-of-Services optimization in Wireless Sensor Networks. , 2013, , .		6
74	Time-bounded localization algorithm based on distributed Multidimensional Scaling for Wireless Sensor Networks. , 2014, , .		6
75	A study of mobility support in wearable health monitoring systems: Design framework. , 2015, , .		6
76	Clustering in cognitive radio for multimedia streaming over wireless Sensor networks. , 2015, , .		6
77	To send or to defer? Improving the IEEE 802.11p/1609.4 transmission scheme. Ad Hoc Networks, 2016, 48, 53-65.	5.5	6
78	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
79	DTM<sup>2</sup>: Adapting job market signaling for distributed trust management in vehicular ad hoc networks. , 2013, , .		5
80	A survey on smart traffic network control and optimization. , 2016, , .		5
81	An hybrid and proactive architecture based on SDN for Internet of Things. , 2017, , .		5
82	New Slot-Head Jamming Attack and Mitigation Mechanism for Wireless Body Area Networks. , 2018, , .		5
83	Model driven framework to enhance sensor network design cycle. Transactions on Emerging Telecommunications Technologies, 2019, 30, e3560.	3.9	5
84	Advanced diffusion of Classified Data in Vehicular Sensor Networks. , 2011, , .		4
85	CTA: A collaborative tracking algorithm in wireless sensor networks. , 2013, , .		4
86	A new model for NGN pervasive e-Health services. , 2013, , .		4
87	PMT<sup>2</sup>: A Predictive Mobile Target Tracking Algorithm in Wireless Multimedia Sensor Networks. , 2014, , .		4
88	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
89	Radio resource sharing for MTC in LTE-A: An approach based on the bipartite graph. , 2015, , .		4
90	Proactive and hybrid wireless network access strategy for Vehicle Cloud networks: An evolutionary game approach. , 2017, , .		4

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91	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
92	Dynamic selection of relays based on classification of mobility profile in a highly mobile context. , 2020, , .		4
93	A Survey on Vehicular Fog Computing: Motivation, Architectures, Taxonomy, and Issues. Advances in Intelligent Systems and Computing, 2020, , 159-168.	0.6	4
94	Wireless Sensor Network simulators relevance compared to a real IEEE 802.15.4 Testbed. , 2011, , .		3
95	On the feasibility of making intelligent antenna selection decision in IEEE 802.15.4 wireless sensor networks. , 2013, , .		3
96	Vehicular cloud networking: evolutionary game with reinforcement learning-based access approach. International Journal of Bio-Inspired Computation, 2019, 13, 45.	0.9	3
97	Enhancing content dissemination for ad hoc cognitive radio. , 2014, , .		2
98	Special Issue on Selected Papers from e-Health Pervasive Wireless Applications and Services 2017. Information (Switzerland), 2019, 10, 52.	2.9	2
99	A Mechanism Design-Based Secure Architecture for Mobile Ad Hoc Networks. , 2008, , .		1
100	Relative Fairness and Optimized throughput for Mobile Ad Hoc Networks. , 2008, , .		1
101	MIMODog: How to solve the problem of selfish misbehavior detection mechanism in MANETs using MIMO technology. , 2012, , .		1
102	A collaborative tracking algorithm for communicating target in Wireless Multimedia Sensor Networks. , 2014, , .		1
103	Performance evaluation of MIMO-based MAC/PHY cross-layer design in multi-hop ad hoc networks. , 2015, , .		1
104	Scheduling algorithm based on PID controller for OFDM wireless networks. , 2016, , .		1
105	IEEE ACCESS Special Section Editorial: Energy Harvesting and Scavenging: Technologies, Algorithms, and Communication Protocols. IEEE Access, 2018, 6, 13461-13465.	4.2	1
106	Coverage extension based on incentive scheduler for mobile relaying nodes in wireless networks. , 2011, , .		0
107	Radio Resource Sharing for MTC in LTE-A: An Interference-Aware Bipartite Graph Approach. , 2014, , .		0
108	Markov chain-based performance analysis of MIMO-aware media access control protocol. , 2017, , .		0

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109	Graph-Partition Based Fast Channel Assignment in Cellular Networks. , 2019, , .		0
110	Model-Driven Framework to Speed up Design and Exploitation of Sensor Networks. , 2019, , .		0
111	RoofCoin: a blockchain for internet of vehicles based on the ROOF standard and VSN. , 2022, , .		0
112	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
113	Convolutional neural network for relays selection in the Internet of Vehicles. , 2021, , .		0