Chaker Abdelaziz Kerrache

List of Publications by Year
in descending order

68 papers	1,229 citations	394421 19 h-index	434195 31 g-index
71 all docs	71 docs citations	71 times ranked	1148 citing authors

#	Article	IF	Citations
1	CaDaCa: a new caching strategy in NDN using data categorization. Multimedia Systems, 2023, 29, 2935-2950.	4.7	7
2	Interest Flooding Attacks in Named Data Networking: Survey of Existing Solutions, Open Issues, Requirements, and Future Directions. ACM Computing Surveys, 2023, 55, 1-37.	23.0	14
3	TrustBlkSys: A Trusted and Blockchained Cybersecure System for IIoT. IEEE Transactions on Industrial Informatics, 2023, 19, 1592-1599.	11.3	6
4	Towards a trusted unmanned aerial system using blockchain for the protection of critical infrastructure. Transactions on Emerging Telecommunications Technologies, 2022, 33, e3706.	3.9	31
5	Remote sensing to control respiratory viral diseases outbreaks using Internet of Vehicles. Transactions on Emerging Telecommunications Technologies, 2022, 33, e4118.	3.9	9
6	NOTA: a novel online teaching and assessment scheme using Blockchain for emergency cases. Education and Information Technologies, 2022, 27, 115-132.	5.7	22
7	A cooperative crowdsensing system based on flying and ground vehicles to control respiratory viral disease outbreaks. Ad Hoc Networks, 2022, 124, 102699.	5.5	12
8	Controlling the Trade-Off between Resource Efficiency and User Satisfaction in NDNs Based on NaÃ¯ve Bayes Data Classification and Lagrange Method. Future Internet, 2022, 14, 48.	3.8	2
9	LearnPhi: a Real-Time Learning Model for Early Prediction of Phishing Attacks in IoV. , 2022, , .		2
10	TraceMe: Real-Time Contact Tracing and Early Prevention of COVID-19 based on Online Social Networks. , 2022, , .		7
11	On the Use of Blockchain Technology for Education During Pandemics. IT Professional, 2022, 24, 52-61.	1.5	7
12	A Computational Framework for Cyber Threats in Medical IoT Systems. Electronics (Switzerland), 2022, 11, 1705.	3.1	4
13	Multi-Constrained and Edge-Enabled Selection of UAV Participants in Federated Learning Process. Electronics (Switzerland), 2022, 11, 2119.	3.1	7
14	The case of HyperLedger Fabric as a blockchain solution for healthcare applications. Blockchain: Research and Applications, 2021, 2, 100012.	6.7	34
15	FAMOBACH: A fast and survivable workflow scheduling approach based MOHEFT using backtacking and checkpointing. Computer Communications, 2021, 171, 16-27.	5.1	2
16	On the design and implementation of a secure blockchain-based hybrid framework for Industrial Internet-of-Things. Information Processing and Management, 2021, 58, 102526.	8.6	35
17	STHM: A Secured and Trusted Healthcare Monitoring Architecture Using SDN and Blockchain. Electronics (Switzerland), 2021, 10, 1787.	3.1	28
18	A policy-based solution for the detection of colluding GPS-Spoofing attacks in FANETs. Transportation Research, Part A: Policy and Practice, 2021, 149, 300-318.	4.2	7

#	Article	IF	Citations
19	MADCR: Mobility aware dynamic clustering-based routing protocol in Internet of Vehicles. China Communications, 2021, 18, 69-85.	3.2	31
20	NOTRINO: A NOvel Hybrid TRust Management Scheme for INternet-of-Vehicles. IEEE Transactions on Vehicular Technology, 2021, 70, 9244-9257.	6.3	41
21	RCVC: RSU-Aided Cluster-Based Vehicular Clouds Architecture for Urban Areas. Electronics (Switzerland), 2021, 10, 193.	3.1	5
22	GTSS-UC: a Game Theoretic approach for Services' Selection in UAV Clouds. , 2021, , .		3
23	GeoUAVs: A new geocast routing protocol for fleet of UAVs. Computer Communications, 2020, 149, 259-269.	5.1	40
24	Software Defined Network-Based Multi-Access Edge Framework for Vehicular Networks. IEEE Access, 2020, 8, 4220-4234.	4.2	28
25	SEMRP: an Energy-efficient Multicast Routing Protocol for UAV Swarms. , 2020, , .		14
26	Vehicular Sensor Networks: Applications, Advances and Challenges. Sensors, 2020, 20, 3686.	3.8	11
27	DeepDist: A Deep-Learning-Based IoV Framework for Real-Time Objects and Distance Violation Detection. IEEE Internet of Things Magazine, 2020, 3, 30-34.	2.6	15
28	MSIDN: Mitigation of Sophisticated Interest flooding-based DDoS attacks in Named Data Networking. Future Generation Computer Systems, 2020, 107, 293-306.	7.5	26
29	Future Internet of Vehicles. Transactions on Emerging Telecommunications Technologies, 2020, 31, e3975.	3.9	2
30	Trust Management in Vehicular Ad-Hoc Networks and Internet-of-Vehicles. Advances in Mechatronics and Mechanical Engineering, 2020, , 135-165.	1.0	5
31	On the Communication Strategies in Heterogeneous Internet of Vehicles. Lecture Notes in Intelligent Transportation and Infrastructure, 2020, , 783-795.	0.5	0
32	Towards an Efficient Vehicular Clouds using Mobile Brokers. , 2019, , .		7
33	Realization of Blockchain in Named Data Networking-Based Internet-of-Vehicles. IT Professional, 2019, 21, 41-47.	1.5	28
34	A Novel Congestion-Aware Interest Flooding Attacks Detection Mechanism in Named Data Networking. , 2019, , .		8
35	Blockchain in Internet-of-Things: Architecture, Applications and Research Directions. , 2019, , .		26
36	NFK: a novel fault-tolerant K-mutual exclusion algorithm for mobile and opportunistic ad hoc networks. International Journal of Information and Communication Technology, 2019, 15, 176.	0.1	0

#	Article	IF	Citations
37	On the Design, Development and Implementation of Trust Evaluation Mechanism in Vehicular Networks. , 2019, , .		2
38	An EEG Based Key Generation Cryptosystem using Diffie-Hellman And AES. , 2019, , .		3
39	Secure WiFi-Direct Using Key Exchange for IoT Device-to-Device Communications in a Smart Environment. Future Internet, 2019, 11, 251.	3.8	11
40	A Trust Framework to Detect Malicious Nodes in Cognitive Radio Networks. Electronics (Switzerland), 2019, 8, 1299.	3.1	14
41	Container-based Sandboxes for Malware Analysis. , 2019, , .		6
42	TACASHI: Trust-Aware Communication Architecture for Social Internet of Vehicles. IEEE Internet of Things Journal, 2019, 6, 5870-5877.	8.7	59
43	NFK: a novel fault-tolerant K-mutual exclusion algorithm for mobile and opportunistic ad hoc networks. International Journal of Information and Communication Technology, 2019, 15, 176.	0.1	0
44	Wireless communication in internet of vehicles networks. , 2019, , .		7
45	Behavior-aware UAV-assisted crowd sensing technique for urban vehicular environments. , 2018, , .		9
46	UAV-assisted technique for the detection of malicious and selfish nodes in VANETs. Vehicular Communications, 2018, 11, 1-11.	4.0	46
47	A New Machine Learning-based Collaborative DDoS Mitigation Mechanism in Software-Defined Network. , 2018, , .		30
48	UNION: A Trust Model Distinguishing Intentional and Unintentional Misbehavior in Inter-UAV Communication. Journal of Advanced Transportation, 2018, 2018, 1-12.	1.7	24
49	On the Human Factor Consideration for VANETs Security Based on Social Networks. , 2018, , .		3
50	A Trusted Lightweight Communication Strategy for Flying Named Data Networking. Sensors, 2018, 18, 2683.	3.8	44
51	A distributed time-limited multicast algorithm for VANETs using incremental power strategy. Computer Networks, 2018, 145, 141-155.	5.1	9
52	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
53	TEEM: Trust-based Energy-Efficient Distributed Monitoring for Mobile Ad-hoc Networks. , 2017, , .		6
54	TFDD: A trust-based framework for reliable data delivery and DoS defense in VANETs. Vehicular Communications, 2017, 9, 254-267.	4.0	48

#	Article	IF	Citations
55	An energy-efficient technique for MANETs distributed monitoring. , 2017, , .		1
56	WeiSTARS: A weighted trust-aware relay selection scheme for VANET. , 2017, , .		11
57	Reputation-aware energy-efficient solution for FANET monitoring. , 2017, , .		12
58	Trust Management for Vehicular Networks: An Adversary-Oriented Overview. IEEE Access, 2016, 4, 9293-9307.	4.2	155
59	Hierarchical adaptive trust establishment solution for vehicular networks. , 2016, , .		9
60	Trust-Aware Opportunistic Dissemination Scheme for VANET Safety Applications. , 2016, , .		11
61	Detection of intelligent malicious and selfish nodes in VANET using threshold adaptive control. , 2016, , .		10
62	T-VNets: A novel trust architecture for vehicular networks using the standardized messaging services of ETSI ITS. Computer Communications, 2016, 93, 68-83.	5.1	73
63	RITA: RIskâ€aware Trustâ€based Architecture for collaborative multiâ€hop vehicular communications. Security and Communication Networks, 2016, 9, 4428-4442.	1.5	18
64	TROUVE: A trusted routing protocol for urban vehicular environments. , 2015, , .		18
65	Trust model with delayed verification for message relay in VANETs. , 2014, , .		13
66	Writing for Journal Publications: A Case Study of Eight Computer Scientists in Algeria. SSRN Electronic Journal, 0, , .	0.4	0
67	Writing for Journal Publications: A Case Study of Eight Computer Scientists in Algeria. Arab World English Journal, 0, 6, 102-113.	0.4	0
68	COCOMA: a resource-optimized cooperative UAVs communication protocol for surveillance and monitoring applications. Wireless Networks, 0, , .	3.0	5