

Abid Khan

List of Publications by Year in descending order

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Version: 2024-02-01

120
papers

1,937
citations

257450

24
h-index

330143

37
g-index

122
all docs

122
docs citations

122
times ranked

1735
citing authors

#	ARTICLE	IF	CITATIONS
1	An infrastructure-assisted job scheduling and task coordination in volunteer computing-based VANET. Complex & Intelligent Systems, 2023, 9, 3613-3633.	6.5	9
2	(<i>Li, M.</i>) slicedBucket privacy model for sequential anonymization for improving privacy and utility. Transactions on Emerging Telecommunications Technologies, 2022, 33, e4130.	3.9	4
3	BCALS: Blockchain-based secure log management system for cloud computing. Transactions on Emerging Telecommunications Technologies, 2022, 33, e4272.	3.9	17
4	Toward Smart Manufacturing Using Spiral Digital Twin Framework and Twinchain. IEEE Transactions on Industrial Informatics, 2022, 18, 1359-1366.	11.3	39
5	A context-aware information-based clone node attack detection scheme in Internet of Things. Journal of Network and Computer Applications, 2022, 197, 103271.	9.1	9
6	A Comprehensive Review of Computing Paradigms, Enabling Computation Offloading and Task Execution in Vehicular Networks. IEEE Access, 2022, 10, 3580-3600.	4.2	28
7	Energy Theft Detection in Smart Grids: Taxonomy, Comparative Analysis, Challenges, and Future Research Directions. IEEE/CAA Journal of Automatica Sinica, 2022, 9, 578-600.	13.1	9
8	Is There Complementarity between Teaching and Research? Evidence from Pakistani Higher Education Institutions. Education Research International, 2022, 2022, 1-14.	1.1	0
9	Preserving Privacy of High-Dimensional Data by I-Diverse Constrained Slicing. Electronics (Switzerland), 2022, 11, 1257.	3.1	2
10	Authorization schemes for internet of things: requirements, weaknesses, future challenges and trends. Complex & Intelligent Systems, 2022, 8, 3919-3941.	6.5	8
11	Privacy preservation in e-health cloud: taxonomy, privacy requirements, feasibility analysis, and opportunities. Cluster Computing, 2021, 24, 293-317.	5.0	35
12	Lucy With Agents in the Sky: Trustworthiness of Cloud Storage for Industrial Internet of Things. IEEE Transactions on Industrial Informatics, 2021, 17, 953-960.	11.3	5
13	On the Role of Hash-Based Signatures in Quantum-Safe Internet of Things: Current Solutions and Future Directions. IEEE Internet of Things Journal, 2021, 8, 1-17.	8.7	40
14	Privacy preserving data aggregation with fault tolerance in fog-enabled smart grids. Sustainable Cities and Society, 2021, 64, 102522.	10.4	30
15	A formal adversarial perspective: Secure and efficient electronic health records collection scheme for multi-records datasets. Transactions on Emerging Telecommunications Technologies, 2021, 32, e4180.	3.9	1
16	Virtual Pseudonym-Changing and Dynamic Grouping Policy for Privacy Preservation in VANETs. Sensors, 2021, 21, 3077.	3.8	8
17	Hybrid Task Coordination Using Multi-Hop Communication in Volunteer Computing-Based VANETs. Sensors, 2021, 21, 2718.	3.8	7
18	Adaptive and survivable trust management for Internet of Things systems. IET Information Security, 2021, 15, 375-394.	1.7	7

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19	VisTAS: blockchain-based visible and trusted remote authentication system. PeerJ Computer Science, 2021, 7, e516.	4.5	2
20	A robust privacy preserving approach for electronic health records using multiple dataset with multiple sensitive attributes. Computers and Security, 2021, 105, 102224.	6.0	18
21	MobChain: Three-Way Collusion Resistance in Witness-Oriented Location Proof Systems Using Distributed Consensus. Sensors, 2021, 21, 5096.	3.8	1
22	A semantic rule based digital fraud detection. PeerJ Computer Science, 2021, 7, e649.	4.5	5
23	A novel mathematical model for COVID-19 with remedial strategies. Results in Physics, 2021, 27, 104248.	4.1	18
24	Fog-enabled secure multiparty computation based aggregation scheme in smart grid. Computers and Electrical Engineering, 2021, 94, 107358.	4.8	10
25	Towards greener smart cities and road traffic forecasting using air pollution data. Sustainable Cities and Society, 2021, 72, 103062.	10.4	39
26	Privacy preservation of electronic health records with adversarial attacks identification in hybrid cloud. Computer Standards and Interfaces, 2021, 78, 103522.	5.4	18
27	Blockchain-based secure multi-resource trading model for smart marketplace. Computing (Vienna/New) Tj ETQq1 1,0,784314,rgBT /O	4.8	11
28	Privacy-preserving multilevel obfuscation scheme for vehicular network. Transactions on Emerging Telecommunications Technologies, 2021, 32, e4204.	3.9	9
29	An intelligent framework to predict socioeconomic impacts of COVID-19 and public sentiments. Computers and Electrical Engineering, 2021, 96, 107526.	4.8	6
30	A Distributed Mix-Context-Based Method for Location Privacy in Road Networks. Sustainability, 2021, 13, 12513.	3.2	4
31	A Secure Provenance Scheme for Detecting Consecutive Colluding Users in Distributed Networks. International Journal of Parallel Programming, 2020, 48, 344-366.	1.5	4
32	Watermarking as a service (WaaS) with anonymity. Multimedia Tools and Applications, 2020, 79, 16051-16075.	3.9	11
33	Curbing Address Reuse in the IOTA Distributed Ledger: A Cuckoo-Filter-Based Approach. IEEE Transactions on Engineering Management, 2020, 67, 1244-1255.	3.5	22
34	S-box design based on optimize LFT parameter selection: a practical approach in recommendation system domain. Multimedia Tools and Applications, 2020, 79, 11667-11684.	3.9	9
35	FESDA: Fog-Enabled Secure Data Aggregation in Smart Grid IoT Network. IEEE Internet of Things Journal, 2020, 7, 6132-6142.	8.7	81
36	Chipless RFID Tag for Touch Event Sensing and Localization. IEEE Access, 2020, 8, 502-513.	4.2	22

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37	Control and numerical analysis for cancer chaotic system. <i>Archive of Applied Mechanics</i> , 2020, 90, 2597-2608.	2.2	6
38	Volunteer Computing in Connected Vehicles: Opportunities and Challenges. <i>IEEE Network</i> , 2020, 34, 212-218.	6.9	11
39	Orchestrating product provenance story: When IOTA ecosystem meets electronics supply chain space. <i>Computers in Industry</i> , 2020, 123, 103334.	9.9	31
40	Location Proof Systems for Smart Internet of Things: Requirements, Taxonomy, and Comparative Analysis. <i>Electronics (Switzerland)</i> , 2020, 9, 1776.	3.1	11
41	Smart Digital Signatures (SDS): A post-quantum digital signature scheme for distributed ledgers. <i>Future Generation Computer Systems</i> , 2020, 111, 241-253.	7.5	13
42	$\hat{1}$ -Sensitive k -Anonymity: An Anonymization Model for IoT based Electronic Health Records. <i>Electronics (Switzerland)</i> , 2020, 9, 716.	3.1	22
43	WOTS-S: A Quantum Secure Compact Signature Scheme for Distributed Ledger. <i>Information Sciences</i> , 2020, 539, 229-249.	6.9	8
44	OBAC: towards agent-based identification and classification of roles, objects, permissions (ROP) in distributed environment. <i>Multimedia Tools and Applications</i> , 2020, 79, 34363-34384.	3.9	1
45	Privacy Preserving for Multiple Sensitive Attributes against Fingerprint Correlation Attack Satisfying ϵ -Diversity. <i>Wireless Communications and Mobile Computing</i> , 2020, 2020, 1-18.	1.2	15
46	Provenance-enabled packet path tracing in the RPL-based internet of things. <i>Computer Networks</i> , 2020, 173, 107189.	5.1	19
47	An Accurate Texture Complexity Estimation for Quality-Enhanced and Secure Image Steganography. <i>IEEE Access</i> , 2020, 8, 21613-21630.	4.2	5
48	VANET-Based Volunteer Computing (VBVC): A Computational Paradigm for Future Autonomous Vehicles. <i>IEEE Access</i> , 2020, 8, 71763-71774.	4.2	7
49	Post-quantum distributed ledger for internet of things. <i>Computers and Electrical Engineering</i> , 2020, 83, 106581.	4.8	20
50	Unsteady Magnetohydrodynamic Convective Fluid Flow of Oldroyd-B Model Considering Ramped Wall Temperature and Ramped Wall Velocity. <i>Mathematics</i> , 2019, 7, 676.	2.2	36
51	Comparative Analysis of Machine Learning Techniques for Predicting Air Quality in Smart Cities. <i>IEEE Access</i> , 2019, 7, 128325-128338.	4.2	131
52	Privacy aware decentralized access control system. <i>Future Generation Computer Systems</i> , 2019, 101, 420-433.	7.5	33
53	An efficient privacy preserving protocol for dynamic continuous data collection. <i>Computers and Security</i> , 2019, 86, 358-371.	6.0	18
54	Robustness-Driven Hybrid Descriptor for Noise-Deterrent Texture Classification. <i>IEEE Access</i> , 2019, 7, 110116-110127.	4.2	5

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55	An Integrated Antenna System for 4G and Millimeter-Wave 5G Future Handheld Devices. IEEE Access, 2019, 7, 116555-116566.	4.2	63
56	Orientation Independent Chipless RFID Tag Using Novel Trefoil Resonators. IEEE Access, 2019, 7, 122398-122407.	4.2	39
57	Privacy-aware relationship semantics-based XACML access control model for electronic health records in hybrid cloud. International Journal of Distributed Sensor Networks, 2019, 15, 155014771984605.	2.2	7
58	Control of chaos in thermal convection loop by state space linearization. Chinese Journal of Physics, 2019, 58, 166-178.	3.9	5
59	Texture Representation Through Overlapped Multi-Oriented Tri-Scale Local Binary Pattern. IEEE Access, 2019, 7, 66668-66679.	4.2	14
60	Privacy-preserving model and generalization correlation attacks for 1:M data with multiple sensitive attributes. Information Sciences, 2019, 488, 238-256.	6.9	17
61	Order preserving secure provenance scheme for distributed networks. Computers and Security, 2019, 82, 99-117.	6.0	4
62	Privacy aware IOTA ledger: Decentralized mixing and unlinkable IOTA transactions. Computer Networks, 2019, 148, 361-372.	5.1	30
63	Analysis of Homotopy Perturbation Method for Solving Fractional Order Differential Equations. Mathematics, 2019, 7, 40.	2.2	62
64	An effective privacy preserving mechanism for 1: M microdata with high utility. Sustainable Cities and Society, 2019, 45, 213.	10.4	7
65	Pulmonary health risks of working at a cement plant in Khyber Pakhtunkhwa province of Pakistan. JPMA the Journal of the Pakistan Medical Association, 2019, 69, 869-873.	0.2	0
66	Recent advancements in garbled computing: How far have we come towards achieving secure, efficient and reusable garbled circuits. Journal of Network and Computer Applications, 2018, 108, 1-19.	9.1	12
67	Towards ontology-based multilingual URL filtering: a big data problem. Journal of Supercomputing, 2018, 74, 5003-5021.	3.6	17
68	Secure policy execution using reusable garbled circuit in the cloud. Future Generation Computer Systems, 2018, 87, 488-501.	7.5	7
69	Bayesian spatial analysis and prediction of groundwater contamination in Jhelum city (Pakistan). Environmental Earth Sciences, 2018, 77, 1.	2.7	6
70	Data trustworthiness in IoT. , 2018, , .		13
71	Privacy preserving data by conceptualizing smart cities using MIDR-Angelization. Sustainable Cities and Society, 2018, 40, 326-334.	10.4	17
72	RALBA: a computation-aware load balancing scheduler for cloud computing. Cluster Computing, 2018, 21, 1667-1680.	5.0	35

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73	Provenance Inference Techniques: Taxonomy, comparative analysis and design challenges. Journal of Network and Computer Applications, 2018, 110, 11-26.	9.1	5
74	Secure provenance using an authenticated data structure approach. Computers and Security, 2018, 73, 34-56.	6.0	8
75	An efficient privacy mechanism for electronic health records. Computers and Security, 2018, 72, 196-211.	6.0	47
76	Towards a formally verified zero watermarking scheme for data integrity in the Internet of Things based-wireless sensor networks. Future Generation Computer Systems, 2018, 82, 274-289.	7.5	44
77	Structures and data preserving homomorphic signatures. Journal of Network and Computer Applications, 2018, 102, 58-70.	9.1	3
78	A Fault Tolerant Approach for Malicious URL Filtering. , 2018, , .		1
79	Anonymity-preserving Reputation Management System for health sector. PLoS ONE, 2018, 13, e0195021.	2.5	3
80	Detection of rank attack in routing protocol for Low Power and Lossy Networks. Annales Des Telecommunications/Annals of Telecommunications, 2018, 73, 429-438.	2.5	41
81	Improved Generalization for Secure Data Publishing. IEEE Access, 2018, 6, 27156-27165.	4.2	36
82	Region based cooperative routing in underwater wireless sensor networks. Journal of Network and Computer Applications, 2017, 92, 31-41.	9.1	37
83	Ī, -safety: A privacy model for sequential publication with arbitrary updates. Computers and Security, 2017, 66, 20-39.	6.0	25
84	Trustworthy data: A survey, taxonomy and future trends of secure provenance schemes. Journal of Network and Computer Applications, 2017, 94, 50-68.	9.1	61
85	Enhanced <i>Architecture</i> for <i>Privacy Preserving</i> Data Integration in a Medical Research Environment. IEEE Access, 2017, 5, 13308-13326.	4.2	11
86	A high-level domain-specific language for SIEM (design, development and formal verification). Cluster Computing, 2017, 20, 2423-2437.	5.0	4
87	Information collection centric techniques for cloud resource management: Taxonomy, analysis and challenges. Journal of Network and Computer Applications, 2017, 100, 80-94.	9.1	22
88	Decision Support System for Risk Assessment and Management Strategies in Distributed Software Development. IEEE Access, 2017, 5, 20349-20373.	4.2	29
89	Secure Logging as a Service Using Reversible Watermarking. Procedia Computer Science, 2017, 110, 336-343.	2.0	6
90	Formal modeling and verification of security controls for multimedia systems in the cloud. Multimedia Tools and Applications, 2017, 76, 22845-22870.	3.9	4

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91	Towards a set aggregation-based data integrity scheme for smart grids. <i>Annales Des Telecommunications/Annals of Telecommunications</i> , 2017, 72, 551-561.	2.5	12
92	A survey of cloud computing data integrity schemes: Design challenges, taxonomy and future trends. <i>Computers and Security</i> , 2017, 65, 29-49.	6.0	87
93	A trust management system model for cloud. , 2017, , .		6
94	Balanced Transmissions Based Trajectories of Mobile Sink in Homogeneous Wireless Sensor Networks. <i>Journal of Sensors</i> , 2017, 2017, 1-16.	1.1	9
95	Towards Preserving Privacy of Outsourced Genomic Data Over the Cloud. <i>Journal of Medical Imaging and Health Informatics</i> , 2017, 7, 1475-1482.	0.3	3
96	Privacy Preservation in Skewed Data Using Frequency Distribution and Weightage (FDW). <i>Journal of Medical Imaging and Health Informatics</i> , 2017, 7, 1346-1357.	0.3	6
97	An Ontology-Based Approach for Detecting Drug Abuse Epidemiology. <i>Journal of Medical Imaging and Health Informatics</i> , 2017, 7, 1324-1337.	0.3	4
98	Sink-to-Sink Coordination Framework Using RPL: Routing Protocol for Low Power and Lossy Networks. <i>Journal of Sensors</i> , 2016, 2016, 1-11.	1.1	16
99	Introducing Secure Provenance in IoT: Requirements and Challenges. , 2016, , .		17
100	Adaptive Reputation Weights Assignment Scheme for MANETs. , 2016, , .		0
101	Memory based scheme to monitor non-random small shift patterns in manufacturing process. <i>Journal of Shanghai Jiaotong University (Science)</i> , 2016, 21, 509-512.	0.9	1
102	Aggregated Signatures for Chaining: A Secure Provenance Scheme. , 2016, , .		3
103	A Zero Watermarking Scheme for Data Integrity in Wireless Sensor Networks. , 2016, , .		3
104	Semantics enabled role based sentiment analysis for drug abuse on social media: A framework. , 2016, , .		5
105	Buyer seller watermarking protocols issues and challenges “ A survey. <i>Journal of Network and Computer Applications</i> , 2016, 75, 317-334.	9.1	12
106	Secure login protocols: An analysis on modern attacks and solutions. , 2016, , .		2
107	Optimizing SIEM Throughput on the Cloud Using Parallelization. <i>PLoS ONE</i> , 2016, 11, e0162746.	2.5	4
108	A Modified Feature Selection and Artificial Neural Network-Based Day-Ahead Load Forecasting Model for a Smart Grid. <i>Applied Sciences (Switzerland)</i> , 2015, 5, 1756-1772.	2.5	43

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109	Statistical process control based chart for information systems security. , 2015, , .		0
110	Reactive GTS Allocation Protocol for Sporadic Events Using the IEEE 802.15.4. Mathematical Problems in Engineering, 2014, 2014, 1-13.	1.1	0
111	Relationship Between Human Resource Management Practices, Enterprise Strategy and Company Outcomes: Service Industry of China. Information Technology Journal, 2014, 13, 614-623.	0.3	7
112	Towards an Ontology-Based Solution for Managing License Agreement Using Semantic Desktop. , 2010, , .		0
113	CLUSMA. , 2009, , .		0
114	Mobile agent watermarking (MAW). , 2009, , .		0
115	Performance analysis of prioritized and non prioritized handoff call queuing schemes in mobile cellular networks. , 2009, , .		0
116	On the Security Properties and Attacks against Mobile Agent Graph Head Sealing (MAGHS). Lecture Notes in Computer Science, 2009, , 223-228.	1.3	1
117	On the security properties and attacks against Mobile agent watermark encapsulation(MAWE). Conference Proceedings IEEE International Conference on Systems, Man, and Cybernetics, 2008, , .	0.0	0
118	Protecting Mobile Agent's Computation Results with Reversible Watermarking and Digital Signature. , 2007, , .		1
119	A Robust Framework for Protecting Computation Results of Mobile Agents. Information Technology Journal, 2007, 7, 24-31.	0.3	8
120	Formal verification and complexity analysis of confidentiality aware textual clinical documents framework. International Journal of Intelligent Systems, 0, , .	5.7	4