Amjad Gawanmeh

List of Publications by Year
in descending order

79	635	1163117 8	794594 19
papers	citations	h-index	g-index

79	79	79	527
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	GoSafe: On the practical characterization of the overall security posture of an organization information system using smart auditing and ranking. Journal of King Saud University - Computer and Information Sciences, 2022, 34, 3079-3095.	3.9	8
2	DASS-CARE 2.0: Blockchain-Based Healthcare Framework for Collaborative Diagnosis in CIoMT Ecosystem. , 2022, , .		5
3	Disruptive Technologies for Disruptive Innovations: Challenges and Opportunities. Advances in Intelligent Systems and Computing, 2021, , 427-434.	0.6	3
4	A KNN Approach for Blockchain Based Electronic Health Record Analysis. Lecture Notes in Networks and Systems, 2021, , 455-464.	0.7	2
5	Evaluating the Effectiveness of Distance Learning in Higher Education during COVID-19 Global Crisis: UAE Educatorsâ€™ Perspectives. Contemporary Educational Technology, 2021, 13, ep311.	2.4	26
6	The Mental Challenges of Emergency Remote Learning: UAE Engineering Students Case Study. , 2021, , .		1
7	Starvation Avoidance Task Scheduling Algorithm for Heterogeneous Computing Systems. , 2021, , .		0
8	Reinforcement learning based methodology for energy-efficient resource allocation in cloud data centers. Journal of King Saud University - Computer and Information Sciences, 2020, 32, 1127-1139.	3.9	23
9	A Big Data Fusion to Profile CPS Security Threats Against Operational Technology. , 2020, , .		3
10	Evaluation of MAC Protocols for Vital Sign Monitoring within Smart Home Environment. Arabian Journal for Science and Engineering, 2020, 45, 11007-11017.	3.0	3
11	Towards building a blockchain framework for IoT. Cluster Computing, 2020, 23, 2089-2103.	5.0	82
12	Probabilistic analysis of security attacks in cloud environment using hidden Markov models. Transactions on Emerging Telecommunications Technologies, 2020, , e3915.	3.9	5
13	Verification of Non-linear Arithmetic Circuits using Functionally Reduced And-Inverter-Graph (FRAIG). , 2020, , .		0
14	An Improved Least Significant Bit Image Steganography Method. , 2020, , .		0
15	Performance Evaluation of a Lightweight IoT Authentication Protocol. , 2020, , .		1
16	XBAC: A Unified Access Control Model for Heterogeneous Multi-Tenancy Cloud Environments. , 2019, , .		1
17	Data-Driven Analysis of Price Change, User Behavior and Wealth Accumulation in Bitcoin Transactions. , 2019, , .		2
18	A Framework for Integrating Big Data Security Into Agricultural Supply Chain. , 2019, , .		4

#	Article	IF	Citations
19	A Distributed Algorithm with Optimum Communication for Cyber Physical Systems: Multi-tank Process Case Study. , 2019, , .		0
20	DASS-CARE: A Decentralized, Accessible, Scalable, and Secure Healthcare Framework using Blockchain. , 2019, , .		19
21	Dielectrophoresis Multipath Focusing of Microparticles through Perforated Electrodes in Microfluidic Channels. Biosensors, 2019, 9, 99.	4.7	2
22	A Novel Protocol for Security of Location Based Services in Multi-agent Systems. Wireless Personal Communications, 2019, 108, 1841-1868.	2.7	2
23	A Genetic Algorithmic Method for Scheduling Optimization in Cloud Computing Services. Arabian Journal for Science and Engineering, 2018, 43, 6709-6718.	3.0	5
24	Analysis of MAC Protocols for Real-Time Monitoring of Heart and Respiratory Signals. , 2018, , .		1
25	Taxonomy Analysis of Security Aspects in Cyber Physical Systems Applications. , 2018, , .		9
26	Sensing-as-a-Service Decentralized Data Access Control Mechanism for Cyber Physical Systems. , 2018, , .		0
27	Optimised Sensor Based Smart System for Efficient Monitoring of Grain Storage. , 2018, , .		18
28	AC electrical field for the isolation of cancer cells. , 2018, , .		0
29	Efficient lightweight mechanism for node authentication in WBSN. , 2018, , .		6
30	Protecting Big Data Through Microaggregation Technique for Secured Cyber-Physical Systems. Advances in Computer and Electrical Engineering Book Series, 2018, , 99-120.	0.3	0
31	Green Evolutionary-Based Algorithm for Multiple Services Scheduling in Cloud Computing. Advances in Business Information Systems and Analytics Book Series, 2018, , 51-82.	0.4	1
32	DSM for Energy Optimization and Communications Within Smart Grid CPSs. Advances in Computer and Electrical Engineering Book Series, 2018, , 1-25.	0.3	0
33	Lightweight Security Protocol for ECG Bio-Sensors. Wireless Personal Communications, 2017, 95, 5097-5120.	2.7	31
34	A framework for the verification of an ECG biosensor algorithm. Analog Integrated Circuits and Signal Processing, 2017, 90, 523-538.	1.4	3
35	The Optimal Deployment, Coverage, and Connectivity Problems in Wireless Sensor Networks: Revisited. IEEE Access, 2017, 5, 18051-18065.	4.2	90
36	Securing Big Data Efficiently through Microaggregation Technique. , 2017, , .		3

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37	Formal Verification of Control Strategies for a Cyber Physical System. , 2017, , .		2
38	Efficient low cost supervisory system for Internet of Things enabled smart home. , 2017, , .		18
39	Lightweight security protocol for health monitoring in Ambient Assisted Living environment. , 2017, , .		4
40	Design and Verification of a Blood Cell Separation Microfluidic Device. International Journal of Online Engineering, 2017, 13, 105.	0.5	1
41	Guided Test Case Generation for Enhanced ECG Bio-Sensors Functional Verification. International Journal of E-Health and Medical Communications, 2017, 8, 1-20.	1.6	8
42	Smart Solutions for RFID based Inventory Management Systems: A Survey. Scalable Computing, 2017, 18, .	1.0	8
43	Introduction to the Special Issue on Communication, Computing, and Networking in Cyber-Physical Systems. Scalable Computing, 2017, 18, .	1.0	3
44	Assertion-based verification technique for ECG bio-sensor algorithms. , 2016, , .		0
45	Simulation Framework for a Security Protocol for Wireless Body Sensor Networks. , 2016, , .		0
46	Formal Analysis of Collision Prevention of Two Wireless Personal Area Networks. Procedia Computer Science, 2016, 80, 2362-2366.	2.0	2
47	Survey on cybersecurity issues in wireless mesh networks based eHealthcare. , 2016, , .		9
48	Open Issues in Reliability, Safety, and Efficiency of Connected Health. , 2016, , .		7
49	A Novel Algorithm for Optimizing Multiple Services Resource Allocation. International Journal of Advanced Computer Science and Applications, 2016, 7, .	0.7	2
50	Improvement Strategies for Device Interoperability Middleware using Formal Reliability Analysis. Scalable Computing, 2016, 17, .	1.0	1
51	Formal Verification of a Microfluidic Device for Blood Cell Separation. Scalable Computing, 2016, 17, .	1.0	1
52	Introduction to the Special Issue on Reliability and Security of e-Health Information Systems. Scalable Computing, 2016, 17, .	1.0	0
53	Formal reliability analysis of Device Interoperability Middleware (DIM) based E-health system using PRISM. , 2015, , .		8
54	Reliability analysis of healthcare information systems: State of the art and future directions. , 2015, , .		20

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55	Formalizing the movement of microparticles in a continuous flow microfluidic device for field flow fractionation. , 2015, , .		0
56	An automatic ECG generator for testing and evaluating ECG sensor algorithms. , 2015, , .		12
57	Modeling the trajectory of microparticles subjected to dielectrophoresis in a microfluidic device for field flow fractionation. Chemical Engineering Science, 2015, 138, 266-280.	3.8	38
58	Formal validation of QRS wave within ECG. , 2015, , .		33
59	Formalizing electrocardiogram (ECG) signal behavior in event-B. , 2014, , .		14
60	Formal reliability analysis of a typical FHIR standard based e-Health system using PRISM. , 2014, , .		13
61	Optimizing lifetime of homogeneous wireless sensor networks for vehicular monitoring. , 2014, , .		1
62	Understanding traffic: Towards a smart traffic control architecture. , 2014, , .		0
63	Performance evaluation of time and frequency domain equalizers. , 2014, , .		1
64	A verification methodology for a wireless body sensor network functionality. , 2014, , .		15
65	Real time verification of firewalls with dynamic rulebase update. , 2014, , .		0
66	Automatic Verification of Security Policies in Firewalls with Dynamic Rule Sequence. , 2014, , .		5
67	Design and verification of a frequency domain equalizer. Microelectronics Journal, 2014, 45, 167-178.	2.0	4
68	Validating connected vehicles architecture. , 2014, , .		1
69	Traffic Shaping and Delay Optimization in Demand Side Management. , 2013, , .		1
70	An axiomatic model for formal specification requirements of ubiquitous healthcare systems. , 2013, , .		14
71	Novel algorithm for detecting conflicts in firewall rules. , 2012, , .		2
72	A Demand Side Management Traffic Shaping and Scheduling Algorithm. , 2012, , .		3

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73	Formal error analysis and verification of a frequency domain equalizer. , 2012, , .		2
74	Embedding and Verification of ZigBee Protocol Stack in Event-B. Procedia Computer Science, 2011, 5, 736-741.	2.0	15
75	First-order theorem proving based verification of the PCI-X bus architecture. , 2011, , .		0
76	Event-B based invariant checking of secrecy in group key protocols. , 2008, , .		3
77	A DESIGN FOR VERIFICATION APPROACH USING AN EMBEDDING OF PSL IN AsmL. Journal of Circuits, Systems and Computers, 2007, 16, 859-881.	1.5	2
78	Rank Theorems for Forward Secrecy in Group Key Management Protocols. , 2007, , .		2
79	Embedding and Verification of PSL using ASM. , 2006, , .		1