Hemraj Saini

List of Publications by Year
in descending order

76 papers	576 citations	840585 11 h-index	713332 21 g-index
80 all docs	80 docs citations	80 times ranked	433 citing authors

#	ARTICLE	IF	CITATIONS
1	A hybrid framework for multimedia data processing in IoT-healthcare using blockchain technology. Multimedia Tools and Applications, 2020, 79, 9711-9733.	2.6	140
2	A Secure, Energy- and SLA-Efficient (SESE) E-Healthcare Framework for Quickest Data Transmission Using Cyber-Physical System. Sensors, 2019, 19, 2119.	2.1	62
3	A recent review on lightweight cryptography in IoT. , 2017, , .		46
4	A novel four-tier architecture for delay aware scheduling and load balancing in fog environment. Sustainable Computing: Informatics and Systems, 2019, 24, 100355.	1.6	34
5	A trust computed framework for IoT devices and fog computing environment. Wireless Networks, 2020, 26, 2339-2351.	2.0	33
6	Fog assisted task allocation and secure deduplication using 2FBO^2 and MoWo in cluster-based industrial IoT (IIoT). Computer Communications, 2020, 152, 187-199.	3.1	25
7	VM Consolidation for Cloud Data Center Using Median Based Threshold Approach. Procedia Computer Science, 2016, 89, 27-33.	1.2	20
8	Novel Noncommutative Cryptography Scheme Using Extra Special Group. Security and Communication Networks, 2017, 2017, 1-21.	1.0	18
9	A Hybrid Cryptographic Technique for File Storage Mechanism Over Cloud. Advances in Intelligent Systems and Computing, 2020, , 241-256.	0.5	15
10	Various Code Clone Detection Techniques and Tools: A Comprehensive Survey. Communications in Computer and Information Science, 2016, , 655-667.	0.4	13
11	Class Level Test Case Generation in Object Oriented Software Testing. International Journal of Information Technology and Web Engineering, 2008, 3, 18-26.	1.2	12
12	Big Data Analytics for Crop Prediction Mode Using Optimization Technique. , 2018, , .		11
13	Energy and SLA Efficient Virtual Machine Placement in Cloud Environment Using Non-Dominated Sorting Genetic Algorithm. International Journal of Information Security and Privacy, 2019, 13, 1-16.	0.6	11
14	Mathematical Model for Cyber Attack in Computer Network. International Journal of Business Data Communications and Networking, 2017, 13, 58-65.	1.2	9
15	Aspects of Trusted Routing Communication in Smart Networks. Wireless Personal Communications, 2018, 98, 2367-2387.	1.8	9
16	Efficient Solution for Load Balancing in Fog Computing Utilizing Artificial Bee Colony. International Journal of Ambient Computing and Intelligence, 2019, 10, 60-77.	0.8	9
17	Aspects of secure communication during spectrum handoff in cognitive radio networks. , 2016, , .		8
18	A Fast Handoff Technique in Wireless Mesh Network (FHT for WMN). Procedia Computer Science, 2016, 79, 722-728.	1.2	7

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19	SLA and Performance Efficient Heuristics for Virtual Machines Placement in Cloud Data Centers. International Journal of Grid and High Performance Computing, 2017, 9, 17-33.	0.7	7
20	Taxonomy of Missing Data along with their handling Methods. , 2019, , .		6
21	Intrusion Detection Systems: Conceptual Study and Review. , 2021, , .		6
22	Proposed IoT framework using third party with enhanced security. , 2017, , .		4
23	Authentication Through Elliptic Curve Cryptography (ECC) Technique in WMN. International Journal of Information Security and Privacy, 2018, 12, 42-52.	0.6	4
24	Secure, Resilient and Green Computing in Wireless Sensor Networks. Recent Advances in Electrical and Electronic Engineering, 2020, 13, 128-129.	0.2	4
25	A Secure Authentication Scheme in Multi-operator Domain (SAMD) for Wireless Mesh Network. Advances in Intelligent Systems and Computing, 2017, , 343-357.	0.5	4
26	Futuristic Prediction of Missing Value Imputation Methods Using Extended ANN. International Journal of Business Analytics, 2021, 9, 1-12.	0.2	4
27	Efficient hybrid watermarking approach by using SVD, DWT, and Back Propagation Neural Network. , 2014, , .		3
28	Experimental analysis of energy management techniques for mobile devices using cloud computing. , 2015, , .		3
29	A Novel Software Protection Approach for Code Obfuscation to Enhance Software Security. International Journal of Mobile Computing and Multimedia Communications, 2017, 8, 34-47.	0.4	3
30	Performance Evaluation of VM Placement Using Classical Bin Packing and Genetic Algorithm for Cloud Environment. International Journal of Business Data Communications and Networking, 2017, 13, 45-57.	1.2	3
31	Behavioral Modeling of Malicious Objects in a Highly Infected Network Under Quarantine Defence. International Journal of Information Security and Privacy, 2019, 13, 17-29.	0.6	3
32	A resilient and secure two-stage ITA and blockchain mechanism in mobile crowd sourcing. Journal of Ambient Intelligence and Humanized Computing, 2020, 11, 5003-5016.	3.3	3
33	Secure and Robust Telemedicine using ECC on Radix-8 with Formal Verification. International Journal of Information Security and Privacy, 2018, 12, 13-28.	0.6	3
34	Prediction of malicious objects using prey-predator model in Internet of Things (IoT) for smart cities. Computers and Industrial Engineering, 2022, 168, 108061.	3.4	3
35	On Reduced Computational Cost, Efficient and Secure Routing (ESR) for Wireless Mesh Network. Procedia Computer Science, 2015, 58, 333-341.	1.2	2
36	Mitigation Techniques for Gray Hole and Black Hole Attacks in Wireless Mesh Network. Advances in Intelligent Systems and Computing, 2016, , 383-392.	0.5	2

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37	Secure and Efficient ECC. , 2016, , .		2
38	Non-Trivial Software Clone Detection Using Program Dependency Graph. International Journal of Open Source Software and Processes, 2017, 8, 1-24.	0.5	2
39	Secure Modified Ad Hoc On-Demand Distance Vector (MAODV) Routing Protocol. International Journal of Mobile Computing and Multimedia Communications, 2017, 8, 1-18.	0.4	2
40	Secure handoff technique with reduced authentication delay in wireless mesh network. International Journal of Advanced Intelligence Paradigms, 2019, 13, 130.	0.2	2
41	Probabilistic Verification Scenarios with Reduced Authentication Delay for Handoff Clients in Mesh Networks. Wireless Personal Communications, 2019, 104, 1553-1571.	1.8	2
42	SALT cryptography for privacy in mobile crowdsourcing. International Journal of Information Technology (Singapore), 2020, 12, 585-591.	1.8	2
43	Enhanced cooperative agent framework with security and increased performance of the computer network. , 2013, , .		1
44	Effective detection of jamming in WiMAX based communication systems. , 2014, , .		1
45	A hybrid approach for detection of Type-1 software clones. , 2017, , .		1
46	Weight Trusted Routing Mechanism for Hierarchical Mesh Environments. International Journal of Distributed Systems and Technologies, 2017, 8, 25-42.	0.6	1
47	Modified AODV (MAODV) Against Black Hole in WMN. Proceedings of the National Academy of Sciences India Section A - Physical Sciences, 2018, 88, 339-350.	0.8	1
48	Energy efficient virtual machine consolidation for cloud data centres using analytic hierarchy process. International Journal of Advanced Intelligence Paradigms, 2018, 10, 401.	0.2	1
49	Minimizing Energy Consumption and SLA Violation in Fog Computing Using Artificial Neural Network. International Journal of Sensors, Wireless Communications and Control, 2021, 10, 640-648.	0.5	1
50	A Secure Homomorphic Routing Technique in Wireless Mesh Network (HRT for WMN). Advances in Intelligent Systems and Computing, 2016, , 437-444.	0.5	1
51	Extended Cell Planning for Capacity Expansion and Power Optimization by Using MEMETIC Algorithm. International Journal of Wireless Networks and Broadband Technologies, 2012, 2, 36-46.	1.0	1
52	Formal Verification of Secure Authentication in Wireless Mesh Network (SAWMN). Advances in Intelligent Systems and Computing, 2016, , 375-388.	0.5	1
53	Effect of Vaccination in the Computer Network for Distributed Attacks â€" A Dynamic Model. Communications in Computer and Information Science, 2019, , 175-184.	0.4	1
54	An ECC with Probable Secure and Efficient Approach on Noncommutative Cryptography. Advances in Intelligent Systems and Computing, 2020, , 1-11.	0.5	1

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55	Mutation Testing-Based Evaluation Framework for Evaluating Software Clone Detection Tools. Lecture Notes in Mechanical Engineering, 2020, , 21-35.	0.3	1
56	Proposed optimized algorithm for coverage area with capacity calculation. , 2014, , .		0
57	Secure Composition of ECC-PAKE Protocol for Multilayer Consensus Using Signcryption. , 2015, , .		0
58	Effective Signcryption Approach for Secure Convention for Multilayer Consensus using ECC. International Journal of Security and Its Applications, 2016, 10, 287-306.	0.5	0
59	Type-2 software cone detection using directed acyclic graph. , 2017, , .		0
60	Security Against Network Layer Attacks for Hierarchal Mesh Environments. International Journal of Information Technology and Web Engineering, 2018, 13, 48-55.	1.2	0
61	Correlation and Performance Estimation of Clone Detection Tools. International Journal of Open Source Software and Processes, 2018, 9, 55-71.	0.5	0
62	Deployment Consideration on Secure Computation for Radix-16 Scalar Multiplication. Communications in Computer and Information Science, 2018, , 205-216.	0.4	0
63	A Mutation Operator-Based Scenario for Evaluating Software Clone Detection Tools and Techniques. International Journal of Information Security and Privacy, 2019, 13, 30-45.	0.6	0
64	Electronic Voting Application Powered by Blockchain Technology. Advances in Information Security, Privacy, and Ethics Book Series, 2021, , 230-246.	0.4	0
65	Understanding Blockchain. Advances in Information Security, Privacy, and Ethics Book Series, 2021, , 181-202.	0.4	0
66	Secure and Robust Telemedicine using ECC on Radix-8 with Formal Verification. , 2021, , 573-590.		0
67	Security and Trust Model Analysis for Banking System. International Journal of Sensors, Wireless Communications and Control, 2021, 11, 135-145.	0.5	0
68	Performance Evaluation of VM Placement Using Classical Bin Packing and Genetic Algorithm for Cloud Environment. , 2021, , 1456-1470.		0
69	Secure and Robust Telemedicine using ECC on Radix-8 with Formal Verification. , 2021, , 1733-1748.		0
70	Computing the Spreading Power of a Business Portal to Propagate the Malicious Information in the Network. International Journal of Web Portals, 2011, 3, 14-22.	1.1	0
71	Reduced precomputed scalar multiplication cost for ECC. Contemporary Engineering Sciences, 0, 9, 897-904.	0.2	0
72	Secure Buffer-Based Routing Protocol for WMN. International Journal of Business Data Communications and Networking, 2017, 13, 28-44.	1.2	0

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73	Performance Evaluation of Energy-Aware Virtual Machine Placement Techniques for Cloud Environment. Advances in Human Resources Management and Organizational Development Book Series, 2018, , 45-72.	0.2	0
74	Efficient Authentication Scheme with Reduced Response Time and Communication Overhead in WMN. International Journal of Information Security and Privacy, 2018, 12, 26-37.	0.6	0
75	Computing the Spreading Power of a Business Portal to Propagate the Malicious Information in the Network. , 0, , 71-79.		0
76	An Enhanced Clustering Algorithm for Agricultural Data Using FAO Heuristics. , 2021, , .		0