

Hemraj Saini

List of Publications by Year in descending order

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Version: 2024-02-01

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	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
2	Electronic Voting Application Powered by Blockchain Technology. Advances in Information Security, Privacy, and Ethics Book Series, 2021, , 230-246.	0.4	0
3	Understanding Blockchain. Advances in Information Security, Privacy, and Ethics Book Series, 2021, , 181-202.	0.4	0
4	Secure and Robust Telemedicine using ECC on Radix-8 with Formal Verification. , 2021, , 573-590.		0
5	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
6	Security and Trust Model Analysis for Banking System. International Journal of Sensors, Wireless Communications and Control, 2021, 11, 135-145.	0.5	0
7	Performance Evaluation of VM Placement Using Classical Bin Packing and Genetic Algorithm for Cloud Environment. , 2021, , 1456-1470.		0
8	Secure and Robust Telemedicine using ECC on Radix-8 with Formal Verification. , 2021, , 1733-1748.		0
9	Futuristic Prediction of Missing Value Imputation Methods Using Extended ANN. International Journal of Business Analytics, 2021, 9, 1-12.	0.2	4
10	Intrusion Detection Systems: Conceptual Study and Review. , 2021, , .		6
11	An Enhanced Clustering Algorithm for Agricultural Data Using FAO Heuristics. , 2021, , .		0
12	SALT cryptography for privacy in mobile crowdsourcing. International Journal of Information Technology (Singapore), 2020, 12, 585-591.	1.8	2
13	A hybrid framework for multimedia data processing in IoT-healthcare using blockchain technology. Multimedia Tools and Applications, 2020, 79, 9711-9733.	2.6	140
14	A trust computed framework for IoT devices and fog computing environment. Wireless Networks, 2020, 26, 2339-2351.	2.0	33
15	Secure, Resilient and Green Computing in Wireless Sensor Networks. Recent Advances in Electrical and Electronic Engineering, 2020, 13, 128-129.	0.2	4
16	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
17	Fog assisted task allocation and secure deduplication using 2FBO $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e1023" altimg="si1.svg"} \rangle \langle \text{mml:msup} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 2 \langle \text{mml:mn} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msup} \rangle \langle \text{mml:math} \rangle$ and MoWo in cluster-based industrial IoT (IIoT). Computer Communications, 2020, 152, 187-199.	3.1	25
18	A Hybrid Cryptographic Technique for File Storage Mechanism Over Cloud. Advances in Intelligent Systems and Computing, 2020, , 241-256.	0.5	15

#	ARTICLE	IF	CITATIONS
19	An ECC with Probable Secure and Efficient Approach on Noncommutative Cryptography. <i>Advances in Intelligent Systems and Computing</i> , 2020, , 1-11.	0.5	1
20	Mutation Testing-Based Evaluation Framework for Evaluating Software Clone Detection Tools. <i>Lecture Notes in Mechanical Engineering</i> , 2020, , 21-35.	0.3	1
21	A novel four-tier architecture for delay aware scheduling and load balancing in fog environment. <i>Sustainable Computing: Informatics and Systems</i> , 2019, 24, 100355.	1.6	34
22	Energy and SLA Efficient Virtual Machine Placement in Cloud Environment Using Non-Dominated Sorting Genetic Algorithm. <i>International Journal of Information Security and Privacy</i> , 2019, 13, 1-16.	0.6	11
23	Behavioral Modeling of Malicious Objects in a Highly Infected Network Under Quarantine Defence. <i>International Journal of Information Security and Privacy</i> , 2019, 13, 17-29.	0.6	3
24	A Secure, Energy- and SLA-Efficient (SESE) E-Healthcare Framework for Quickest Data Transmission Using Cyber-Physical System. <i>Sensors</i> , 2019, 19, 2119.	2.1	62
25	A Mutation Operator-Based Scenario for Evaluating Software Clone Detection Tools and Techniques. <i>International Journal of Information Security and Privacy</i> , 2019, 13, 30-45.	0.6	0
26	Secure handoff technique with reduced authentication delay in wireless mesh network. <i>International Journal of Advanced Intelligence Paradigms</i> , 2019, 13, 130.	0.2	2
27	Taxonomy of Missing Data along with their handling Methods. , 2019, , .		6
28	Efficient Solution for Load Balancing in Fog Computing Utilizing Artificial Bee Colony. <i>International Journal of Ambient Computing and Intelligence</i> , 2019, 10, 60-77.	0.8	9
29	Probabilistic Verification Scenarios with Reduced Authentication Delay for Handoff Clients in Mesh Networks. <i>Wireless Personal Communications</i> , 2019, 104, 1553-1571.	1.8	2
30	Effect of Vaccination in the Computer Network for Distributed Attacks “ A Dynamic Model. <i>Communications in Computer and Information Science</i> , 2019, , 175-184.	0.4	1
31	Aspects of Trusted Routing Communication in Smart Networks. <i>Wireless Personal Communications</i> , 2018, 98, 2367-2387.	1.8	9
32	Modified AODV (MAODV) Against Black Hole in WMN. <i>Proceedings of the National Academy of Sciences India Section A - Physical Sciences</i> , 2018, 88, 339-350.	0.8	1
33	Security Against Network Layer Attacks for Hierarchal Mesh Environments. <i>International Journal of Information Technology and Web Engineering</i> , 2018, 13, 48-55.	1.2	0
34	Correlation and Performance Estimation of Clone Detection Tools. <i>International Journal of Open Source Software and Processes</i> , 2018, 9, 55-71.	0.5	0
35	Energy efficient virtual machine consolidation for cloud data centres using analytic hierarchy process. <i>International Journal of Advanced Intelligence Paradigms</i> , 2018, 10, 401.	0.2	1
36	Big Data Analytics for Crop Prediction Mode Using Optimization Technique. , 2018, , .		11

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37	Authentication Through Elliptic Curve Cryptography (ECC) Technique in WMN. International Journal of Information Security and Privacy, 2018, 12, 42-52.	0.6	4
38	Deployment Consideration on Secure Computation for Radix-16 Scalar Multiplication. Communications in Computer and Information Science, 2018, , 205-216.	0.4	0
39	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
40	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
41	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
42	A recent review on lightweight cryptography in IoT. , 2017, , .		46
43	Proposed IoT framework using third party with enhanced security. , 2017, , .		4
44	A hybrid approach for detection of Type-1 software clones. , 2017, , .		1
45	Type-2 software clone detection using directed acyclic graph. , 2017, , .		0
46	Mathematical Model for Cyber Attack in Computer Network. International Journal of Business Data Communications and Networking, 2017, 13, 58-65.	1.2	9
47	Non-Trivial Software Clone Detection Using Program Dependency Graph. International Journal of Open Source Software and Processes, 2017, 8, 1-24.	0.5	2
48	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
49	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
50	Novel Noncommutative Cryptography Scheme Using Extra Special Group. Security and Communication Networks, 2017, 2017, 1-21.	1.0	18
51	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
52	Weight Trusted Routing Mechanism for Hierarchical Mesh Environments. International Journal of Distributed Systems and Technologies, 2017, 8, 25-42.	0.6	1
53	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
54	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

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55	Secure Buffer-Based Routing Protocol for WMN. International Journal of Business Data Communications and Networking, 2017, 13, 28-44.	1.2	0
56	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
57	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
58	Secure and Efficient ECC. , 2016, , .		2
59	Various Code Clone Detection Techniques and Tools: A Comprehensive Survey. Communications in Computer and Information Science, 2016, , 655-667.	0.4	13
60	A Fast Handoff Technique in Wireless Mesh Network (FHT for WMN). Procedia Computer Science, 2016, 79, 722-728.	1.2	7
61	VM Consolidation for Cloud Data Center Using Median Based Threshold Approach. Procedia Computer Science, 2016, 89, 27-33.	1.2	20
62	Aspects of secure communication during spectrum handoff in cognitive radio networks. , 2016, , .		8
63	A Secure Homomorphic Routing Technique in Wireless Mesh Network (HRT for WMN). Advances in Intelligent Systems and Computing, 2016, , 437-444.	0.5	1
64	Formal Verification of Secure Authentication in Wireless Mesh Network (SAWMN). Advances in Intelligent Systems and Computing, 2016, , 375-388.	0.5	1
65	On Reduced Computational Cost, Efficient and Secure Routing (ESR) for Wireless Mesh Network. Procedia Computer Science, 2015, 58, 333-341.	1.2	2
66	Secure Composition of ECC-PAKE Protocol for Multilayer Consensus Using Signcryption. , 2015, , .		0
67	Experimental analysis of energy management techniques for mobile devices using cloud computing. , 2015, , .		3
68	Proposed optimized algorithm for coverage area with capacity calculation. , 2014, , .		0
69	Effective detection of jamming in WIMAX based communication systems. , 2014, , .		1
70	Efficient hybrid watermarking approach by using SVD, DWT, and Back Propagation Neural Network. , 2014, , .		3
71	Enhanced cooperative agent framework with security and increased performance of the computer network. , 2013, , .		1
72	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

#	ARTICLE	IF	CITATIONS
73	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
74	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
75	Reduced precomputed scalar multiplication cost for ECC. Contemporary Engineering Sciences, 0, 9, 897-904.	0.2	0
76	Computing the Spreading Power of a Business Portal to Propagate the Malicious Information in the Network. , 0, , 71-79.		0