

Yashwant Singh

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

677
citations

933447
10
h-index

713466
21
g-index

55
all docs

55
docs citations

55
times ranked

379
citing authors

#	ARTICLE	IF	CITATIONS
1	Internet of Things: Evolution, Concerns and Security Challenges. Sensors, 2021, 21, 1809.	3.8	88
2	IoT Vulnerability Assessment for Sustainable Computing: Threats, Current Solutions, and Open Challenges. IEEE Access, 2020, 8, 168825-168853.	4.2	74
3	A systematic survey on internet of things: Energy efficiency and interoperability perspective. Transactions on Emerging Telecommunications Technologies, 2021, 32, e4166.	3.9	53
4	An Intelligent Opportunistic Routing Algorithm for Wireless Sensor Networks and Its Application Towards e-Healthcare. Sensors, 2020, 20, 3887.	3.8	40
5	IoVT: Internet of Vulnerable Things? Threat Architecture, Attack Surfaces, and Vulnerabilities in Internet of Things and Its Applications towards Smart Grids. Energies, 2020, 13, 4813.	3.1	40
6	Detection of forest fires using machine learning technique: A perspective. , 2015, , .		34
7	Intelligent Transport System: A Progressive Review. Indian Journal of Science and Technology, 2016, 9, .	0.7	33
8	Model Driven Architecture: A Perspective. , 2009, , .		30
9	Distributed Event Detection in Wireless Sensor Networks for Forest Fires. , 2013, , .		24
10	Botnet Detection using Machine Learning. , 2018, , .		18
11	Trust and packet load balancing based secure opportunistic routing protocol for WSN. , 2017, , .		17
12	A Trust Based Secure Intelligent Opportunistic Routing Protocol for Wireless Sensor Networks. Wireless Personal Communications, 2022, 127, 1045-1066.	2.7	15
13	An Improved Deep Belief Network IDS on IoT-Based Network for Traffic Systems. Journal of Advanced Transportation, 2022, 2022, 1-17.	1.7	15
14	Models and Transformations in MDA. , 2009, , .		11
15	An Energy Efficient Opportunistic Routing Metric for Wireless Sensor Networks. Indian Journal of Science and Technology, 2016, 9, .	0.7	11
16	An energy efficient and trust management based opportunistic routing metric for wireless sensor networks. , 2016, , .		11
17	Efficient Approach for Securing Message Communication in Wireless Sensor Networks from Node Clone Attack. Indian Journal of Science and Technology, 2016, 9, .	0.7	10
18	Energy-Efficient and Secure Opportunistic Routing Protocol for WSN: Performance Analysis with Nature-Inspired Algorithms and Its Application in Biomedical Applications. BioMed Research International, 2022, 2022, 1-13.	1.9	10

#	ARTICLE	IF	CITATIONS
19	<scp>IVQF_{IoT}</scp>: An intelligent vulnerability quantification framework for scoring internet of things vulnerabilities. Expert Systems, 2022, 39, .	4.5	9
20	The Impact of the Computational Independent Model for Enterprise Information System Development. International Journal of Computer Applications, 2010, 11, 21-26.	0.2	9
21	An Energy Efficient Trust Aware Opportunistic Routing Protocol for Wireless Sensor Network. International Journal of Information System Modeling and Design, 2017, 8, 30-44.	1.1	8
22	Metaheuristic Routing: A Taxonomy and Energy-Efficient Framework for Internet of Things. IEEE Access, 2021, 9, 155673-155698.	4.2	8
23	Machine Learning in Wireless Sensor Networks: Challenges and Opportunities. , 2018, , .		7
24	A Review on Lightweight Node Authentication Algorithms in Wireless Sensor Networks. , 2018, , .		7
25	Machine Learning-based Software Effort Estimation: An Analysis. , 2019, , .		7
26	Internet of Things (IoT): Vulnerabilities and Remediation Strategies. Lecture Notes in Electrical Engineering, 2021, , 265-273.	0.4	7
27	Intelligent and secure framework for critical infrastructure (CPS): Current trends, challenges, and future scope. Computer Communications, 2022, 193, 302-331.	5.1	7
28	Performance analysis of message authentication algorithms in wireless sensor networks. , 2017, , .		6
29	Node authentication algorithm for securing static wireless sensor networks from node clone attack. International Journal of Information and Computer Security, 2018, 10, 129.	0.2	6
30	Mutual Exclusive Distributive Clustering (MEDC) Protocol for Wireless Sensor Networks. International Journal of Sensors, Wireless Communications and Control, 2014, 3, 101-107.	0.7	6
31	An Energy Efficient Trust Aware Opportunistic Routing Protocol for Wireless Sensor Network. , 2020, , 628-643.		6
32	Node authentication algorithm for securing static wireless sensor networks from node clone attack. International Journal of Information and Computer Security, 2018, 10, 129.	0.2	5
33	An energy efficient zone-based clustering approach for target detection in wireless sensor networks. , 2014, , .		4
34	Reauthentication scheme for mobile wireless sensor networks. Sustainable Computing: Informatics and Systems, 2019, 23, 158-166.	2.2	4
35	An Intelligent Opportunistic Routing Protocol for Big Data in WSNs. International Journal of Multimedia Data Engineering and Management, 2020, 11, 15-29.	0.4	4
36	SALT: transfer learning-based threat model for attack detection in smart home. Scientific Reports, 2022, 12, .	3.3	4

#	ARTICLE	IF	CITATIONS
37	Middle Position Dynamic Energy Opportunistic Routing for Wireless Sensor Networks. , 2015, , .		3
38	Dynamic Access Control In lot: Monitoring User Behavior Using Smart Contracts. , 2020, , .		3
39	Securing wireless sensor networks from node clone attack: a lightweight message authentication algorithm. International Journal of Information and Computer Security, 2020, 12, 217.	0.2	3
40	On Security of Opportunistic Routing Protocol in Wireless Sensor Networks. Lecture Notes in Electrical Engineering, 2020, , 407-419.	0.4	3
41	Learning-Based Techniques for Assessing Zero-Day Attacks and Vulnerabilities in IoT. Lecture Notes in Electrical Engineering, 2022, , 497-504.	0.4	3
42	An approach toward the optimization of witness based node clone attack. , 2015, , .		2
43	Deployment and Coverage in Wireless Sensor Networks: A Perspective. , 2019, , .		2
44	Energy reduction in weakly hard real time systems. , 2012, , .		1
45	Intelligent Opportunistic Routing Protocol in Wireless Sensor Networks: A Security Perspective. Lecture Notes in Electrical Engineering, 2021, , 221-233.	0.4	1
46	Intrusion Detection System Model for IoT Networks Using Ensemble Learning. Journal of Interconnection Networks, 2022, 22, .	1.0	1
47	Accumulation based Congestion Control using Active Queue Management. , 2011, , .		0
48	Information Fusion and Change Point Detection in Mutual Exclusive Distributive Clustering. Procedia Computer Science, 2015, 65, 592-600.	2.0	0
49	An Energy-Efficient and Reliable Opportunistic Routing for Wireless Sensor Networks. International Journal of Sensors, Wireless Communications and Control, 2021, 11, 72-80.	0.7	0
50	Transformation of Platform-Independent Model into Platform-Specific Model in Model-Driven Architecture. Advances in Business Information Systems and Analytics Book Series, 0, , 88-113.	0.4	0