

# 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	A Trust Based Secure Intelligent Opportunistic Routing Protocol for Wireless Sensor Networks. Wireless Personal Communications, 2022, 127, 1045-1066.	2.7	15
2	<scp>IVQF<sub>IoT</sub></scp>: An intelligent vulnerability quantification framework for scoring internet of things vulnerabilities. Expert Systems, 2022, 39, .	4.5	9
3	Learning-Based Techniques for Assessing Zero-Day Attacks and Vulnerabilities in IoT. Lecture Notes in Electrical Engineering, 2022, , 497-504.	0.4	3
4	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
5	Intrusion Detection System Model for IoT Networks Using Ensemble Learning. Journal of Interconnection Networks, 2022, 22, .	1.0	1
6	An Improved Deep Belief Network IDS on IoT-Based Network for Traffic Systems. Journal of Advanced Transportation, 2022, 2022, 1-17.	1.7	15
7	SALT: transfer learning-based threat model for attack detection in smart home. Scientific Reports, 2022, 12, .	3.3	4
8	Intelligent and secure framework for critical infrastructure (CPS): Current trends, challenges, and future scope. Computer Communications, 2022, 193, 302-331.	5.1	7
9	A systematic survey on internet of things: Energy efficiency and interoperability perspective. Transactions on Emerging Telecommunications Technologies, 2021, 32, e4166.	3.9	53
10	Intelligent Opportunistic Routing Protocol in Wireless Sensor Networks: A Security Perspective. Lecture Notes in Electrical Engineering, 2021, , 221-233.	0.4	1
11	Internet of Things (IoT): Vulnerabilities and Remediation Strategies. Lecture Notes in Electrical Engineering, 2021, , 265-273.	0.4	7
12	Internet of Things: Evolution, Concerns and Security Challenges. Sensors, 2021, 21, 1809.	3.8	88
13	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
14	Metaheuristic Routing: A Taxonomy and Energy-Efficient Framework for Internet of Things. IEEE Access, 2021, 9, 155673-155698.	4.2	8
15	Dynamic Access Control In Iot: Monitoring User Behavior Using Smart Contracts. , 2020, , .		3
16	An Intelligent Opportunistic Routing Algorithm for Wireless Sensor Networks and Its Application Towards e-Healthcare. Sensors, 2020, 20, 3887.	3.8	40
17	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
18	IoT Vulnerability Assessment for Sustainable Computing: Threats, Current Solutions, and Open Challenges. IEEE Access, 2020, 8, 168825-168853.	4.2	74

#	ARTICLE	IF	CITATIONS
19	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
20	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
21	An Energy Efficient Trust Aware Opportunistic Routing Protocol for Wireless Sensor Network. , 2020, , 628-643.		6
22	On Security of Opportunistic Routing Protocol in Wireless Sensor Networks. Lecture Notes in Electrical Engineering, 2020, , 407-419.	0.4	3
23	Reauthentication scheme for mobile wireless sensor networks. Sustainable Computing: Informatics and Systems, 2019, 23, 158-166.	2.2	4
24	Machine Learning-based Software Effort Estimation: An Analysis. , 2019, , .		7
25	Deployment and Coverage in Wireless Sensor Networks: A Perspective. , 2019, , .		2
26	Machine Learning in Wireless Sensor Networks: Challenges and Opportunities. , 2018, , .		7
27	A Review on Lightweight Node Authentication Algorithms in Wireless Sensor Networks. , 2018, , .		7
28	Botnet Detection using Machine Learning. , 2018, , .		18
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	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
31	Trust and packet load balancing based secure opportunistic routing protocol for WSN. , 2017, , .		17
32	Performance analysis of message authentication algorithms in wireless sensor networks. , 2017, , .		6
33	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
34	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
35	Intelligent Transport System: A Progressive Review. Indian Journal of Science and Technology, 2016, 9, .	0.7	33
36	An Energy Efficient Opportunistic Routing Metric for Wireless Sensor Networks. Indian Journal of Science and Technology, 2016, 9, .	0.7	11

#	ARTICLE	IF	CITATIONS
37	An energy efficient and trust management based opportunistic routing metric for wireless sensor networks. , 2016, , .		11
38	Information Fusion and Change Point Detection in Mutual Exclusive Distributive Clustering. Procedia Computer Science, 2015, 65, 592-600.	2.0	0
39	Detection of forest fires using machine learning technique: A perspective. , 2015, , .		34
40	An approach toward the optimization of witness based node clone attack. , 2015, , .		2
41	Middle Position Dynamic Energy Opportunistic Routing for Wireless Sensor Networks. , 2015, , .		3
42	An energy efficient zone-based clustering approach for target detection in wireless sensor networks. , 2014, , .		4
43	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
44	Distributed Event Detection in Wireless Sensor Networks for Forest Fires. , 2013, , .		24
45	Energy reduction in weakly hard real time systems. , 2012, , .		1
46	Accumulation based Congestion Control using Active Queue Management. , 2011, , .		0
47	The Impact of the Computational Independent Model for Enterprise Information System Development. International Journal of Computer Applications, 2010, 11, 21-26.	0.2	9
48	Model Driven Architecture: A Perspective. , 2009, , .		30
49	Models and Transformations in MDA. , 2009, , .		11
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