Srinivas Sampalli

List of Publications by Year
in descending order

59 papers	1,053 citations	840776 11 h-index	610901 24 g-index
59 all docs	59 docs citations	59 times ranked	812 citing authors

#	Article	IF	Citations
1	Persuasive Strategies and Their Implementations in Mobile Interventions for Physical Activity: A Systematic Review. International Journal of Human-Computer Interaction, 2023, 39, 2292-2338.	4.8	5
2	An Efficient Key Management and Multi-Layered Security Framework for SCADA Systems. IEEE Transactions on Network and Service Management, 2022, 19, 642-660.	4.9	14
3	Patients', pharmacists', and prescribers' attitude toward using blockchain and machine learning in a proposed ePrescription system: online survey. JAMIA Open, 2022, 5, ooab115.	2.0	6
4	Automated labour detection framework to monitor pregnant women with a high risk of premature labour using machine learning and deep learning. Informatics in Medicine Unlocked, 2022, 28, 100771.	3.4	10
5	Gradient Boosting Feature Selection With Machine Learning Classifiers for Intrusion Detection on Power Grids. IEEE Transactions on Network and Service Management, 2021, 18, 1104-1116.	4.9	69
6	Digital Health in Physicians' and Pharmacists' Office: A Comparative Study of e-Prescription Systems' Architecture and Digital Security in Eight Countries. OMICS A Journal of Integrative Biology, 2021, 25, 102-122.	2.0	32
7	Design and Implementation of Raspberry House: An IoT Security Framework. , 2021, , .		0
8	An Intrusion Resistant SCADA Framework Based on Quantum and Post-Quantum Scheme. Applied Sciences (Switzerland), 2021, 11, 2082.	2.5	4
9	Intrusion Detection in SCADA Based Power Grids: Recursive Feature Elimination Model With Majority Vote Ensemble Algorithm. IEEE Transactions on Network Science and Engineering, 2021, 8, 2559-2574.	6.4	43
10	A framework to lower the risk of medication prescribing and dispensing errors: A usability study of an NFC-based mobile application. International Journal of Medical Informatics, 2021, 153, 104509.	3.3	4
11	IEEE Access Special Section Editorial: Blockchain Technology: Principles and Applications. IEEE Access, 2021, 9, 110006-110010.	4.2	1
12	SCADA (Supervisory Control and Data Acquisition) systems: Vulnerability assessment and security recommendations. Computers and Security, 2020, 89, 101666.	6.0	109
13	Sensing and Signal Processing in Smart Healthcare. Electronics (Switzerland), 2020, 9, 1954.	3.1	0
14	Automated uterine contractions pattern detection framework to monitor pregnant women with a high risk of premature labour. Informatics in Medicine Unlocked, 2020, 20, 100404.	3.4	5
15	Vulnerabilities' Assessment and Mitigation Strategies for the Small Linux Server, Onion Omega2. Electronics (Switzerland), 2020, 9, 967.	3.1	4
16	Trends in Persuasive Technologies for Physical Activity and Sedentary Behavior: A Systematic Review. Frontiers in Artificial Intelligence, 2020, 3, 7.	3.4	31
17	BraillePassword: accessible web authentication technique on touchscreen devices. Journal of Ambient Intelligence and Humanized Computing, 2019, 10, 2375-2391.	4.9	12
18	DDoS Detection System: Using a Set of Classification Algorithms Controlled by Fuzzy Logic System in Apache Spark. IEEE Transactions on Network and Service Management, 2019, 16, 936-949.	4.9	60

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19	A Survey of Security in SCADA Networks: Current Issues and Future Challenges. IEEE Access, 2019, 7, 135812-135831.	4.2	85
20	DDoS Attack Detection System: Utilizing Classification Algorithms with Apache Spark. , 2018, , .		21
21	Energy-Balancing Unequal Clustering Approach to Reduce the Blind Spot Problem in Wireless Sensor Networks (WSNs). Sensors, 2018, 18, 4258.	3.8	8
22	A System to Lower the Risk of Dispensing Medication Errors at Pharmacies Using NFC. , 2018, , .		1
23	KD1: A Sampling-Based Clustering Scheme for Large Data Sets. , 2018, , .		0
24	AMLT: A Mutual Authentication Scheme for Mobile Cloud Computing. , 2018, , .		3
25	High-Precision Indoor Localization Based on RFID and Stepscan Floor Tiles. , 2018, , .		0
26	DDoS Detection System: Utilizing Gradient Boosting Algorithm and Apache Spark. , 2018, , .		11
27	Defining the Functional Requirements for the NFC-Based Medication Administration and Clinical Communication System. , 2018, , .		0
28	Framework to monitor pregnant women with a high risk of premature labour using sensor networks. , 2017, , .		8
29	BrailleEnter: A Touch Screen Braille Text Entry Method for the Blind. Procedia Computer Science, 2017, 109, 257-264.	2.0	24
30	HiveSec: security in resource-constrained wireless networks inspired by beehives and bee swarms. International Journal of Information Security, 2017, 16, 417-433.	3.4	0
31	SingleTapBraille: Developing a Text Entry Method Based on Braille Patterns Using a Single Tap. Procedia Computer Science, 2016, 94, 248-255.	2.0	24
32	Butterfly Encryption Scheme for Resource-Constrained Wireless Networks. Sensors, 2015, 15, 23145-23167.	3.8	10
33	An Efficient Pairwise and Group Key Management Protocol for Wireless Sensor Network. Wireless Personal Communications, 2015, 84, 2035-2053.	2.7	18
34	A light-weight authentication scheme based on message digest and location for mobile cloud computing. , 2014, , .		9
35	HiveSign. , 2014, , .		1
36	Fine-grained encryption for search and rescue operation on Internet of Things. , 2014, , .		2

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37	SCARS: Simplified cryptographic algorithm for RFID systems. , 2014, , .		3
38	NFC-based Framework for Checking the Five Rights of Medication Administration. Procedia Computer Science, 2014, 37, 434-438.	2.0	4
39	HILL: A Hybrid Indoor Localization Scheme. , 2014, , .		18
40	A Proposed RFID Authentication Protocol based on Two Stages of Authentication. Procedia Computer Science, 2014, 37, 503-510.	2.0	6
41	NFC-enabled smartphone application for drug interaction and drug allergy detection. , 2013, , .		14
42	Deployment of multiple base-stations in clustering protocols of wireless sensor networks (WSNs). , 2013, , .		5
43	A Hybrid Key Management Protocol for Wireless Sensor Networks. , 2012, , .		11
44	A mobile role-based access control system using identity-based encryption with zero knowledge proof. , 2012, , .		1
45	Tag-server mutual authentication scheme based on gene transfer and genetic mutation. , 2012, , .		0
46	A novel reliability scheme employing multiple sink nodes for Wireless Body Area Networks. , 2011, , .		3
47	Vehicle authentication scheme based on random permutation for VANET. , 2011, , .		3
48	Client-based intrusion prevention system for 802.11 wireless LANs. , 2010, , .		8
49	A robust pair-wise and group key management protocol for wireless sensor network. , 2010, , .		14
50	Management frame attacks in WiMAX networks: Analysis and prevention. , 2010, , .		2
51	Prevention of management frame attacks on 802.11 WLANs. International Journal of Wireless and Mobile Computing, 2009, 3, 133.	0.2	2
52	An Efficient Contributory Group Rekeying Scheme based on Hash Functions for MANETs. , 2007, , .		4
53	Routing intrusions on mobile ad hoc networks: Test bed and vulnerability analysis. , 2007, , .		3
54	Periodically Scheduled Burst Flows in Optical Burst Switching Networks. , 2007, , .		1

#	Article	IF	Citations
55	Weight functions for shortest path routing of periodically scheduled burst flows. , 2007, , .		0
56	An Efficient Contributory Group Rekeying Scheme based on Hash Functions for MANETs. , 2007, , .		0
57	Cluster-Head Election Using Fuzzy Logic for Wireless Sensor Networks. , 0, , .		317
58	Security in Virtual Private Networks. , 0, , 51-63.		0
59	Secure Architectures with Active Networks. , 0, , 135-151.		0