

# Somanath Tripathy

## List of Publications by Year in descending order

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Version: 2024-02-01

52  
papers

305  
citations

1307594

7  
h-index

1125743

13  
g-index

56  
all docs

56  
docs citations

56  
times ranked

234  
citing authors

#	ARTICLE	IF	CITATIONS
1	SEPDP: Secure and Efficient Privacy Preserving Provable Data Possession in Cloud Storage. IEEE Transactions on Services Computing, 2021, 14, 876-888.	4.6	31
2	Design challenges and security issues in the Internet of Things. , 2015, , .		23
3	A trust-based collaborative access control model with policy aggregation for online social networks. Social Network Analysis and Mining, 2017, 7, 1.	2.8	20
4	WRSR: wormhole-resistant secure routing for wireless mesh networks. Eurasip Journal on Wireless Communications and Networking, 2013, 2013, .	2.4	19
5	SEDS: secure and efficient server-aided data deduplication scheme for cloud storage. International Journal of Information Security, 2020, 19, 229-240.	3.4	18
6	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.svg"><mml:mi>n</mml:mi></mml:math>-HTLC: Neo hashed time-Lock commitment to defend against wormhole attack in payment channel networks. Computers and Security, 2021, 106, 102291.	6.0	15
7	Defense against outside attacks in wireless sensor networks. Computer Communications, 2008, 31, 818-826.	5.1	14
8	Privacy Preserving Provable Data Possession for Cloud Based Electronic Health Record System. , 2016, , .		13
9	Securing Multicast Group Communication in IoT-Enabled Systems. IETE Technical Review (Institution of) Tj ETQq1 1,0,784314 rgBT /C 3.2 11	3.2	11
10	An Intrusion Detection System Using Unsupervised Feature Selection. , 2019, , .		8
11	Improved heuristics for multicast routing in wireless mesh networks. Wireless Networks, 2013, 19, 1829-1837.	3.0	7
12	Secure Multicast Routing Algorithm for Wireless Mesh Networks. Journal of Computer Networks and Communications, 2016, 2016, 1-11.	1.6	7
13	SEMKC: Secure and Efficient Computation over Outsourced Data Encrypted under Multiple Keys. IEEE Transactions on Emerging Topics in Computing, 2021, 9, 414-428.	4.6	7
14	PassMon: A Technique for Password Generation and Strength Estimation. Journal of Network and Systems Management, 2022, 30, 1.	4.9	7
15	Robust Mutual Authentication for Low-cost RFID Systems. , 2006, , .		6
16	FRAC: a flexible resource allocation for vehicular cloud system. IET Intelligent Transport Systems, 2020, 14, 2141-2150.	3.0	6
17	Collaborative Access Control Model for Online Social Networks. , 2016, , .		5
18	Correlation Power Analysis of KASUMI and Power Resilience Analysis of Some Equivalence Classes of KASUMI S-Boxes. Journal of Hardware and Systems Security, 2020, 4, 297-313.	1.3	5

#	ARTICLE	IF	CITATIONS
19	ESF: an efficient security framework for wireless sensor network. International Journal of Communication Networks and Distributed Systems, 2013, 10, 176.	0.4	4
20	V-Chord. , 2018, , .		4
21	Blockchain based Security Framework for P2P Filesharing system. , 2018, , .		4
22	A Routing Table Poisoning Model for Peer-to-Peer (P2P) Botnets. IEEE Access, 2019, 7, 67983-67995.	4.2	4
23	<i>CookieArmor</i>: Safeguarding against cross-site request forgery and session hijacking. Security and Privacy, 2019, 2, e60.	2.7	4
24	Correlation power analysis and effective defense approach on light encryption device block cipher. Security and Privacy, 2019, 2, e87.	2.7	4
25	Design and Analysis of Reconfigurable Cryptographic Primitives: TRNG and PUF. Journal of Hardware and Systems Security, 2021, 5, 247-259.	1.3	4
26	Securing Wireless Sensor Networks Against Spurious Injections. , 2007, , .		3
27	TabSol: An Efficient Framework to Defend Tabnabbing. , 2014, , .		3
28	Design and evaluation of an IoT enabled secure multi-service Ambulance Tracking System. , 2016, , .		3
29	SEMFS: Secure and Efficient Multi-keyword Fuzzy Search for Cloud Storage. Lecture Notes in Computer Science, 2017, , 50-67.	1.3	3
30	AppMonitor: restricting information leakage to third-party applications. Social Network Analysis and Mining, 2020, 10, 1.	2.8	3
31	PJ-Sec: secure node joining in mobile P2P networks. CCF Transactions on Pervasive Computing and Interaction, 2021, 3, 13-24.	2.6	3
32	Effective Visibility Prediction on Online Social Network. IEEE Transactions on Computational Social Systems, 2021, 8, 355-364.	4.4	3
33	Secure Peer-Link Establishment in Wireless Mesh Networks. Advances in Intelligent Systems and Computing, 2012, , 189-198.	0.6	3
34	Effective pair-wise key establishment scheme for wireless sensor networks. , 2009, , .		2
35	Tin-Key: Effective Key-Establishment for Wireless Sensor Networks. , 2010, , .		2
36	FRI-attack. , 2011, , .		2

#	ARTICLE	IF	CITATIONS
37	THWMP. , 2011, , .		2
38	AFC: An Effective Metric for Reliable Routing in Wireless Mesh Networks. , 2013, , .		2
39	Correlation Power Analysis on KASUMI: Attack and Countermeasure. Lecture Notes in Computer Science, 2018, , 142-156.	1.3	2
40	MARPUF: physical unclonable function with improved machine learning attack resistance. IET Circuits, Devices and Systems, 2021, 15, 465-474.	1.4	2
41	SEPS: Efficient public-key based secure search over outsourced data. Journal of Information Security and Applications, 2021, 61, 102932.	2.5	2
42	Predicting User Visibility in Online Social Networks Using Local Connectivity Properties. Lecture Notes in Computer Science, 2015, , 419-430.	1.3	2
43	CARMA: Cellular Automata Based Remote Mutual Authentication Scheme. , 2006, , .		1
44	Epidemic model based visibility estimation in Online Social Networks. , 2018, , .		1
45	Enhancing quality of experience using peer-to-peer overlay on device-to-device communications. International Journal of Communication Systems, 2020, 33, e4546.	2.5	1
46	WAKE: Authentication and Key Establishment for Wireless Mesh Network. Communications in Computer and Information Science, 2012, , 64-74.	0.5	1
47	RPAKE: RCA-based Password Authenticated Key Exchange. , 2006, , .		0
48	Provably secure Peer-link establishment protocol for wireless mesh networks. , 2014, , .		0
49	Denial of service attack on low rate wireless personal area networks. , 2016, , .		0
50	Efficient Remote User Authentication and Key Establishment for Multi-server Environment. Lecture Notes in Computer Science, 2006, , 333-346.	1.3	0
51	SEPastry: Security Enhanced Pastry. Advances in Intelligent Systems and Computing, 2012, , 789-795.	0.6	0
52	OSASMAC: Opportunistic Secure Adaptive Sensor MAC Protocol. , 2007, , .		0