Deepak K Tosh

List of Publications by Year
in descending order

44 papers	1,171 citations	1162889 8 h-index	1058333 14 g-index
47 all docs	47 docs citations	47 times ranked	958 citing authors

#	Article	IF	Citations
1	ProvChain: A Blockchain-Based Data Provenance Architecture in Cloud Environment with Enhanced Privacy and Availability. , 2017, , .		457
2	Security Implications of Blockchain Cloud with Analysis of Block Withholding Attack. , 2017, , .		124
3	Consensus protocols for blockchain-based data provenance: Challenges and opportunities. , 2017, , .		62
4	An evolutionary game-theoretic framework for cyber-threat information sharing. , 2015, , .		45
5	Tikiriâ€"Towards a lightweight blockchain for IoT. Future Generation Computer Systems, 2021, 119, 154-165.	4.9	44
6	Data Provenance in the Cloud: A Blockchain-Based Approach. IEEE Consumer Electronics Magazine, 2019, 8, 38-44.	2.3	41
7	CloudPoS: A Proof-of-Stake Consensus Design for Blockchain Integrated Cloud. , 2018, , .		37
8	Establishing evolutionary game models for CYBer security information EXchange (CYBEX). Journal of Computer and System Sciences, 2018, 98, 27-52.	0.9	30
9	Privacy-preserving cybersecurity information exchange mechanism. , 2017, , .		26
10	Blockchain-Empowered Secure Internet -of- Battlefield Things (IoBT) Architecture. , 2018, , .		26
11	3-Way game model for privacy-preserving cybersecurity information exchange framework. , 2017, , .		22
12	Cyber-Threats Information Sharing in Cloud Computing: A Game Theoretic Approach. , 2015, , .		20
13	Exploring the Attack Surfaces in Blockchain Enabled Smart Cities. , 2018, , .		20
14	Game Theoretic Modeling to Enforce Security Information Sharing among Firms. , 2015, , .		18
15	Cyber-Investment and Cyber-Information Exchange Decision Modeling. , 2015, , .		17
16	Attribute based sharing in cybersecurity information exchange framework. , 2017, , .		16
17	Risk Management Using Cyber-Threat Information Sharing and Cyber-Insurance. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2017, , 154-164.	0.2	13
18	Three Layer Game Theoretic Decision Framework for Cyber-Investment and Cyber-Insurance. Lecture Notes in Computer Science, 2017, , 519-532.	1.0	12

#	Article	IF	Citations
19	An SDN Based Framework for Guaranteeing Security and Performance in Information-Centric Cloud Networks. , 2017, , .		11
20	Non-Intrusive Deployment of Blockchain in Establishing Cyber-Infrastructure for Smart City. , 2019, , .		11
21	Towards Security of Cyber-Physical Systems using Quantum Computing Algorithms. , 2020, , .		10
22	Heterogeneous access network(s) selection in multi-interface radio devices. , 2015, , .		9
23	A Reliable Data Provenance and Privacy Preservation Architecture for Business-Driven Cyber-Physical Systems Using Blockchain. International Journal of Information Security and Privacy, 2018, 12, 68-81.	0.6	9
24	Towards Security and Privacy of SCADA Systems through Decentralized Architecture. , 2019, , .		9
25	Towards a Reliable and Accountable Cyber Supply Chain in Energy Delivery System Using Blockchain. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2018, , 43-62.	0.2	9
26	Edge-Based Optimal Routing in SDN-Enabled Industrial Internet of Things. IEEE Internet of Things Journal, 2022, 9, 18898-18907.	5.5	8
27	Self-Coexistence in Cognitive Radio Networks Using Multi-Stage Perception Learning. , 2013, , .		7
28	An Improved Communications in Cyber Physical System Architecture, Protocols and Applications. , 2019, , .		7
29	Towards Blockchain Empowered Trusted and Accountable Data Sharing and Collaboration in Mobile Healthcare Applications. EAI Endorsed Transactions on Pervasive Health and Technology, 2018, 4, 159338.	0.7	6
30	Cognitive Radio Parameter Adaptation Using Multi-objective Evolutionary Algorithm. Advances in Intelligent and Soft Computing, 2012, , 737-748.	0.2	5
31	Scalable Blockchain Implementation for Edge-based Internet of Things Platform. , 2019, , .		5
32	Quantitative Risk Modeling and Analysis for Large-Scale Cyber-Physical Systems. , 2020, , .		5
33	Evaluating Usability of Permissioned Blockchain for Internet-of-Battlefield Things Security. , 2019, , .		4
34	Towards a Trusted and Privacy Preserving Membership Service in Distributed Ledger Using Intel Software Guard Extensions. Lecture Notes in Computer Science, 2018, , 304-310.	1.0	3
35	Resilient sensor authentication in SCADA by integrating physical unclonable function and blockchain. Cluster Computing, 2022, 25, 1869-1883.	3.5	3
36	Privacy Preserving Path Planning in an Adversarial Zone. , 2020, , .		3

#	Article	IF	Citations
37	Vind: A Blockchain-Enabled Supply Chain Provenance Framework for Energy Delivery Systems. Frontiers in Blockchain, 2021, 4, .	1.6	2
38	Online Cyber Deception System Using Partially Observable Monte-Carlo Planning Framework. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2019, , 205-223.	0.2	2
39	Achieving Sensor Identification and Data Flow Integrity in Critical Cyber-Physical Infrastructures. , 2020, , .		1
40	Robust Cyber-threat and Vulnerability Information Analyzer for Dynamic Risk Assessment. , 2021, , .		1
41	Condition monitoring and anomaly detection in cyber-physical systems. , 2022, , .		1
42	Quality-driven Energy Optimization in Internet of Things. , 2020, , .		0
43	A Reliable Data Provenance and Privacy Preservation Architecture for Business-Driven Cyber-Physical Systems Using Blockchain. , 2020, , 597-612.		0
44	CySCPro - Cyber Supply Chain Provenance Framework for Risk Management of Energy Delivery Systems. , 2021, , .		0