Mohammad Rahman

List of Publications by Year
in descending order

41 papers	460 citations	1307594 7 h-index	1125743 13 g-index
41 all docs	41 docs citations	41 times ranked	509 citing authors

#	Article	IF	Citations
1	Data-driven analytics for cyber-threat intelligence and information sharing. Computers and Security, 2017, 67, 35-58.	6.0	77
2	IoTSAT: A formal framework for security analysis of the internet of things (IoT). , 2016, , .		55
3	A Noninvasive Threat Analyzer for Advanced Metering Infrastructure in Smart Grid. IEEE Transactions on Smart Grid, 2013, 4, 273-287.	9.0	38
4	Secure and Private Data Aggregation for Energy Consumption Scheduling in Smart Grids. IEEE Transactions on Dependable and Secure Computing, 2017, 14, 221-234.	5.4	37
5	A formal model for verifying the impact of stealthy attacks on optimal power flow in power grids. , 2014, , .		28
6	Strategic Defense Against Stealthy Link Flooding Attacks: A Signaling Game Approach. IEEE Transactions on Network Science and Engineering, 2021, 8, 751-764.	6.4	23
7	A game-theoretic approach for deceiving Remote Operating System Fingerprinting. , 2013, , .		20
8	Resiliency-Aware Deployment of SDN in Smart Grid SCADA: A Formal Synthesis Model. IEEE Transactions on Network and Service Management, 2021, 18, 1430-1444.	4.9	20
9	A formal model for verifying stealthy attacks on state estimation in power grids. , 2013, , .		17
10	Secure and efficient protection of consumer privacy in Advanced Metering Infrastructure supporting fine-grained data analysis. Journal of Computer and System Sciences, 2017, 83, 84-100.	1.2	16
11	Formal Analysis for Dependable Supervisory Control and Data Acquisition in Smart Grids. , 2016, , .		13
12	Protection by Detection: A Signaling Game Approach to Mitigate Co-Resident Attacks in Cloud. , 2017, , .		13
13	Security Threat Analytics and Countermeasure Synthesis for Power System State Estimation. , 2014, , .		10
14	Chained of Things: A Secure and Dependable Design of Autonomous Vehicle Services. , 2018, , .		9
15	LIPs: A Protocol for Leadership Incentives for Heterogeneous and Dynamic Platoons. , 2019, , .		9
16	Automated Synthesis of Distributed Network Access Controls: A Formal Framework with Refinement. IEEE Transactions on Parallel and Distributed Systems, 2016, , 1-1.	5.6	7
17	Poster Abstract: Chained of Things: A Secure and Dependable Design of Autonomous Vehicle Services. , 2018, , .		6
18	A consensus-based â„"-Exclusion algorithm for mobile ad hoc networks. Ad Hoc Networks, 2010, 8, 30-45.	5.5	5

#	Article	IF	Citations
19	A cost-effective security management for clouds: A game-theoretic deception mechanism. , 2017, , .		5
20	Cyber Threat Analysis Framework for the Wind Energy Based Power System. , 2017, , .		5
21	A Formal Framework of Resource Management for VNFaaS in Cloud. , 2017, , .		5
22	Hands-on File Inclusion Vulnerablity and Proactive Control for Secure Software Development. , 2019, , .		5
23	Privacy Preserving Fine-Grained Data Distribution Aggregation for Smart Grid AMI Networks. , 2018, , .		4
24	A scalable and flexible DDoS mitigation system using network function virtualization. , 2018, , .		4
25	A signaling game approach to mitigate co-resident attacks in an IaaS cloud environment. Journal of Information Security and Applications, 2020, 50, 102397.	2.5	4
26	A declarative approach for global network security configuration verification and evaluation. , 2011, , .		3
27	A Requirement-Oriented Design of NFV Topology by Formal Synthesis. IEEE Transactions on Network and Service Management, 2019, 16, 1739-1753.	4.9	3
28	DroidPatrol: A Static Analysis Plugin For Secure Mobile Software Development. , 2019, , .		3
29	A Permission Based Hierarchical Algorithm for Mutual Exclusion. Journal of Computers, 2010, 5, .	0.4	3
30	Electric vehicle consumption markets: An economic analysis. , 2016, , .		2
31	Automated synthesis of NFV topology: A security requirement-oriented design. , 2017, , .		2
32	Formal Analysis of k-Resiliency for Collaborative UAVs. , 2018, , .		2
33	A Game-Theoretic Analysis of Pricing Competition between Aggregators in V2G Systems. , 2019, , .		2
34	Security design against stealthy attacks on power system state estimation: A formal approach. Computers and Security, 2019, 84, 301-317.	6.0	2
35	Formal Modelling and Verification of Requirements of Adaptive Routing Protocol for Mobile Ad-Hoc Network. , 2017, , .		1
36	Poster Abstract: Safety Analysis for UAV Networks. , 2018, , .		1

#	ARTICLE	IF	CITATIONS
37	Impact of Stealthy Attacks on Optimal Power Flow: A Simulink-Driven Formal Analysis. IEEE Transactions on Dependable and Secure Computing, 2019, , 1-1.	5.4	1
38	Automated synthesis of resiliency configurations for cyber networks. , 2016, , .		0
39	A Formal Model for Resiliency-Aware Deployment of SDN: A SCADA-Based Case Study. , 2019, , .		0
40	A game-theoretic analysis to defend against remote operating system fingerprinting. Journal of Information Security and Applications, 2020, 52, 102456.	2.5	0
41	A Permission based Multilevel Parallel Solution for Distributed Mutual Exclusion. Journal of Computers, 2012, 7, .	0.4	0