

Abdun Naser Mahmood

List of Publications by Year in descending order

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Version: 2024-02-01

74
papers

2,866
citations

346980

22
h-index

214428

50
g-index

76
all docs

76
docs citations

76
times ranked

2826
citing authors

#	ARTICLE	IF	CITATIONS
1	Measurement-driven blind topology estimation for sparse data injection attack in energy system. <i>Electric Power Systems Research</i> , 2022, 202, 107593.	2.1	4
2	Two-Tier Cache-Aided Full-Duplex Hybrid Satellite-terrestrial Communication Networks. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 2022, 58, 1753-1765.	2.6	9
3	A study on malicious software behaviour analysis and detection techniques: Taxonomy, current trends and challenges. <i>Future Generation Computer Systems</i> , 2022, 130, 1-18.	4.9	23
4	Mitigating consumer privacy breach in smart grid using obfuscation-based generative adversarial network. <i>Mathematical Biosciences and Engineering</i> , 2022, 19, 3350-3368.	1.0	4
5	Comprehensive survey and taxonomies of false data injection attacks in smart grids: attack models, targets, and impacts. <i>Renewable and Sustainable Energy Reviews</i> , 2022, 163, 112423.	8.2	58
6	Vulnerability and Impact Analysis of the IEC 61850 GOOSE Protocol in the Smart Grid. <i>Sensors</i> , 2021, 21, 1554.	2.1	28
7	An Architecture and Performance Evaluation of Blockchain-Based Peer-to-Peer Energy Trading. <i>IEEE Transactions on Smart Grid</i> , 2021, 12, 3364-3378.	6.2	76
8	A Taxonomy of Supervised Learning for IDSs in SCADA Environments. <i>ACM Computing Surveys</i> , 2021, 53, 1-37.	16.1	35
9	A Spatiotemporal Data Summarization Approach for Real-Time Operation of Smart Grid. <i>IEEE Transactions on Big Data</i> , 2020, 6, 624-637.	4.4	13
10	Firefly-inspired stochastic resonance for spectrum sensing in CR-based IoT communications. <i>Neural Computing and Applications</i> , 2020, 32, 16011-16023.	3.2	8
11	TON_IoT Telemetry Dataset: A New Generation Dataset of IoT and IIoT for Data-Driven Intrusion Detection Systems. <i>IEEE Access</i> , 2020, 8, 165130-165150.	2.6	260
12	Building Resilience against COVID-19 Pandemic Using Artificial Intelligence, Machine Learning, and IoT: A Survey of Recent Progress. <i>IoT</i> , 2020, 1, 506-528.	2.3	29
13	Sub-curve HMM: A malware detection approach based on partial analysis of API call sequences. <i>Computers and Security</i> , 2020, 92, 101773.	4.0	19
14	Machine Learning to Ensure Data Integrity in Power System Topological Network Database. <i>Electronics (Switzerland)</i> , 2020, 9, 693.	1.8	13
15	Microaggregation Sorting Framework for K-Anonymity Statistical Disclosure Control in Cloud Computing. <i>IEEE Transactions on Cloud Computing</i> , 2020, 8, 408-417.	3.1	37
16	A survey of privacy preserving schemes in IoE enabled Smart Grid Advanced Metering Infrastructure. <i>Cluster Computing</i> , 2019, 22, 43-69.	3.5	56
17	Multi-State Energy Classifier to Evaluate the Performance of the NILM Algorithm. <i>Sensors</i> , 2019, 19, 5236.	2.1	18
18	Computing Hierarchical Summary from Two-Dimensional Big Data Streams. <i>IEEE Transactions on Parallel and Distributed Systems</i> , 2018, 29, 803-818.	4.0	6

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19	Modeling and performance evaluation of stealthy false data injection attacks on smart grid in the presence of corrupted measurements. <i>Journal of Computer and System Sciences</i> , 2017, 83, 58-72.	0.9	63
20	A Technique for Efficient Query Estimation over Distributed Data Streams. <i>IEEE Transactions on Parallel and Distributed Systems</i> , 2017, 28, 2770-2783.	4.0	10
21	Estimation of smart grid topology using SCADA measurements. , 2016, , .		11
22	Stealthy and blind false injection attacks on SCADA EMS in the presence of gross errors. , 2016, , .		17
23	Data-Driven Stealthy Injection Attacks on Smart Grid with Incomplete Measurements. <i>Lecture Notes in Computer Science</i> , 2016, , 180-192.	1.0	22
24	A survey of anomaly detection techniques in financial domain. <i>Future Generation Computer Systems</i> , 2016, 55, 278-288.	4.9	290
25	A survey of network anomaly detection techniques. <i>Journal of Network and Computer Applications</i> , 2016, 60, 19-31.	5.8	926
26	Anomaly detection in electric network database of smart grid: Graph matching approach. <i>Electric Power Systems Research</i> , 2016, 133, 51-62.	2.1	30
27	Computing Hierarchical Summary of the Data Streams. <i>Lecture Notes in Computer Science</i> , 2016, , 168-179.	1.0	3
28	Novel Approach for Network Traffic Pattern Analysis using Clustering-based Collective Anomaly Detection. <i>Annals of Data Science</i> , 2015, 2, 111-130.	1.7	54
29	Forensic Potentials of Solid State Drives. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2015, , 113-126.	0.2	9
30	Network Traffic Pattern Analysis Using Improved Information Theoretic Co-clustering Based Collective Anomaly Detection. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2015, , 204-219.	0.2	12
31	Computing discounted multidimensional hierarchical aggregates using modified Misra Gries algorithm. <i>Performance Evaluation</i> , 2015, 91, 170-186.	0.9	3
32	Identification of vulnerable node clusters against false data injection attack in an AMI based Smart Grid. <i>Information Systems</i> , 2015, 53, 201-212.	2.4	73
33	An Efficient Approach for Complex Data Summarization Using Multiview Clustering. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2015, , 38-47.	0.2	2
34	A Novel Approach for Network Traffic Summarization. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2015, , 51-60.	0.2	4
35	False Data Injection Attack Targeting the LTC Transformers to Disrupt Smart Grid Operation. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2015, , 252-266.	0.2	10
36	A Data-Driven Approach to Distinguish Cyber-Attacks from Physical Faults in a Smart Grid. , 2015, , .		21

#	ARTICLE	IF	CITATIONS
37	An Efficient Technique for Network Traffic Summarization using Multiview Clustering and Statistical Sampling. EAI Endorsed Transactions on Scalable Information Systems, 2015, 2, e4.	0.8	7
38	Heart Disease Diagnosis Using Co-clustering. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2015, , 61-70.	0.2	1
39	Novel Iterative Min-Max Clustering to Minimize Information Loss in Statistical Disclosure Control. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2015, , 157-172.	0.2	1
40	CHPSO-A new collaborative hybrid particle swarm optimization algorithm. , 2014, , .		0
41	Enhanced estimation of Autoregressive wind power prediction model using Constriction Factor Particle Swarm Optimization. , 2014, , .		2
42	Swarm intelligence based multi-phase OPF for peak power loss reduction in a smart grid. , 2014, , .		3
43	Network traffic analysis based on collective anomaly detection. , 2014, , .		26
44	A summarization paradigm for big data. , 2014, , .		3
45	Uncertainty and evolutionary optimization: A novel approach. , 2014, , .		5
46	Vulnerabilities of Smart Grid State Estimation Against False Data Injection Attack. Green Energy and Technology, 2014, , 411-428.	0.4	31
47	Predicting dependences using domain-based coupling. Journal of Software: Evolution and Process, 2014, 26, 50-76.	1.2	3
48	CF-PSO based loss sensitivity clustering technique to identify optimal DG allocation nodes for energy efficient smart grid operation. , 2014, , .		4
49	Clustering based semantic data summarization technique: A new approach. , 2014, , .		10
50	PPFSCADA: Privacy preserving framework for SCADA data publishing. Future Generation Computer Systems, 2014, 37, 496-511.	4.9	37
51	Outlier Detection. , 2014, , 3-22.		10
52	A Probabilistic Model to Predict the Survivability of SCADA Systems. IEEE Transactions on Industrial Informatics, 2013, 9, 1975-1985.	7.2	21
53	A novel approach for outlier detection and clustering improvement. , 2013, , .		43
54	A hybrid approach to improving clustering accuracy using SVM. , 2013, , .		2

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55	K [~] Means Clustering Microaggregation for Statistical Disclosure Control. Advances in Intelligent Systems and Computing, 2013, , 1109-1115.	0.5	1
56	Subset Selection Classifier (SSC): A Training Set Reduction Method. , 2013, , .		3
57	New Multi-dimensional Sorting Based K-Anonymity Microaggregation for Statistical Disclosure Control. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2013, , 256-272.	0.2	1
58	Software Clustering Using Automated Feature Subset Selection. Lecture Notes in Computer Science, 2013, , 47-58.	1.0	10
59	Can We Predict Dependencies Using Domain information?. , 2011, , .		9
60	SCADA Sim [~] A Framework for Building SCADA Simulations. IEEE Transactions on Smart Grid, 2011, 2, 589-597.	6.2	109
61	Compressed ECG Biometric: A Fast, Secured and Efficient Method for Identification of CVD Patient. Journal of Medical Systems, 2011, 35, 1349-1358.	2.2	20
62	A clustering based system for instant detection of cardiac abnormalities from compressed ECG. Expert Systems With Applications, 2011, 38, 4705-4713.	4.4	26
63	Seamless integration of dependability and security concepts in SOA: A feedback control system based framework and taxonomy. Journal of Network and Computer Applications, 2011, 34, 1150-1159.	5.8	34
64	Hierarchical summarization techniques for network traffic. , 2011, , .		1
65	Critical infrastructure protection: Resource efficient sampling to improve detection of less frequent patterns in network traffic. Journal of Network and Computer Applications, 2010, 33, 491-502.	5.8	37
66	An Analytical Framework for Evaluating Survivability of SCADA Systems. , 2010, , .		3
67	Survivable SCADA Systems: An Analytical Framework Using Performance Modelling. , 2010, , .		0
68	Network Traffic Analysis and SCADA Security. , 2010, , 383-405.		17
69	Diagnosis of cardiovascular abnormalities from compressed ECG: A data mining based approach. , 2009, , .		9
70	Spam filtering for network traffic security on a multi-core environment. Concurrency Computation Practice and Experience, 2009, 21, 1307-1320.	1.4	15
71	Building a SCADA Security Testbed. , 2009, , .		66
72	An Efficient Clustering Scheme to Exploit Hierarchical Data in Network Traffic Analysis. IEEE Transactions on Knowledge and Data Engineering, 2008, 20, 752-767.	4.0	34

#	ARTICLE	IF	CITATIONS
73	Echidna: Efficient Clustering of Hierarchical Data for Network Traffic Analysis. Lecture Notes in Computer Science, 2006, , 1092-1098.	1.0	3
74	Telemedicine Pre and Post Covid-19: Lessons for Commercialisation Based on Previous Use Cases. Journal of the International Society for Telemedicine and EHealth, 0, 8, .	0.0	2