

Elena Doynikova

List of Publications by Year in descending order

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Version: 2024-02-01

46
papers

334
citations

1306789

7
h-index

1199166

12
g-index

48
all docs

48
docs citations

48
times ranked

172
citing authors

#	ARTICLE	IF	CITATIONS
1	Security Assessment of Computer Networks Based on Attack Graphs and Security Events. Lecture Notes in Computer Science, 2014, , 462-471.	1.0	28
2	Security Analysis of Information Systems Taking into Account Social Engineering Attacks. , 2011, , .		27
3	CVSS-based Probabilistic Risk Assessment for Cyber Situational Awareness and Countermeasure Selection. , 2017, , .		25
4	The Ontology of Metrics for Security Evaluation and Decision Support in SIEM Systems. , 2013, , .		21
5	The CAPEC based generator of attack scenarios for network security evaluation. , 2015, , .		20
6	Dynamical Calculation of Security Metrics for Countermeasure Selection in Computer Networks. , 2016, , .		18
7	Attacker Behaviour Forecasting Using Methods of Intelligent Data Analysis: A Comparative Review and Prospects. Information (Switzerland), 2020, 11, 168.	1.7	18
8	Comparative Review of the Intrusion Detection Systems Based on Federated Learning: Advantages and Open Challenges. Algorithms, 2022, 15, 247.	1.2	14
9	Ontology of Metrics for Cyber Security Assessment. , 2019, , .		13
10	Countermeasure Selection Based on the Attack and Service Dependency Graphs for Security Incident Management. Lecture Notes in Computer Science, 2016, , 107-124.	1.0	12
11	Synthesis and Analysis of the Fixed-Point Hodgkin-Huxley Neuron Model. Electronics (Switzerland), 2020, 9, 434.	1.8	12
12	Countermeasure Selection in SIEM Systems Based on the Integrated Complex of Security Metrics. , 2015, , .		10
13	Selection of countermeasures against network attacks based on dynamical calculation of security metrics. Journal of Defense Modeling and Simulation, 2018, 15, 181-204.	1.2	10
14	Security Metrics Based on Attack Graphs for the Olympic Games Scenario. , 2014, , .		9
15	Analytical attack modeling and security assessment based on the common vulnerability scoring system. , 2017, , .		8
16	Enhancement of probabilistic attack graphs for accurate cyber security monitoring. , 2017, , .		8
17	Federated Learning for Intrusion Detection in the Critical Infrastructures: Vertically Partitioned Data Use Case. Algorithms, 2022, 15, 104.	1.2	8
18	AI- and Metrics-Based Vulnerability-Centric Cyber Security Assessment and Countermeasure Selection. Computer Communications and Networks, 2018, , 101-130.	0.8	7

#	ARTICLE	IF	CITATIONS
19	Stateful RORI-based countermeasure selection using hypergraphs. Journal of Information Security and Applications, 2020, 54, 102562.	1.8	6
20	P2Onto: Making Privacy Policies Transparent. Lecture Notes in Computer Science, 2020, , 235-252.	1.0	4
21	Security metrics for risk assessment of distributed information systems. , 2013, , .		3
22	Security Evaluation for Cyber Situational Awareness. , 2014, , .		3
23	An Ontology-based Storage of Security Information. Information Technology and Control, 2018, 47, .	1.1	3
24	Improving Calculation Accuracy of Digital Filters Based on Finite Field Algebra. Applied Sciences (Switzerland), 2020, 10, 45.	1.3	3
25	Security Measuring System for IoT Devices. Lecture Notes in Computer Science, 2022, , 256-275.	1.0	3
26	Attack Graph-Based Countermeasure Selection Using a Stateful Return on Investment Metric. Lecture Notes in Computer Science, 2018, , 293-302.	1.0	2
27	The Multi-Layer Graph Based Technique for Proactive Automatic Response Against Cyber Attacks. , 2018, , .		2
28	The Common Approach to Determination of the Destructive Information Impacts and Negative Personal Tendencies of Young Generation Using the Neural Network Methods for the Internet Content Processing. Studies in Computational Intelligence, 2020, , 302-310.	0.7	2
29	A Semantic Model for Security Evaluation of Information Systems. Journal of Cyber Security and Mobility, 0, , .	0.7	2
30	Use of neural networks for forecasting of the exposure of social network users to destructive impacts. Informatsionno-Upravliaiushchie Sistemy, 2020, , 24-33.	0.3	2
31	Data Analytics for Security Management of Complex Heterogeneous Systems: Event Correlation and Security Assessment Tasks. EAI/Springer Innovations in Communication and Computing, 2020, , 79-116.	0.9	2
32	Towards Security Decision Support for large-scale Heterogeneous Distributed Information Systems. , 2021, , .		2
33	The ontological approach application for construction of the hybrid security repository. , 2017, , .		1
34	Determination of Security Threat Classes on the basis of Vulnerability Analysis for Automated Countermeasure Selection. , 2018, , .		1
35	Hypergraph-driven mitigation of cyberattacks. Internet Technology Letters, 2018, 1, e38.	1.4	1
36	Automated Revealing of Organizational Assets Based on Event Correlation. , 2019, , .		1

#	ARTICLE	IF	CITATIONS
37	Stateful RORI-based countermeasure selection using hypergraphs. Journal of Information Security and Applications, 2020, 54, 102541.	1.8	1
38	Towards Attacker Attribution for Risk Analysis. Lecture Notes in Computer Science, 2021, , 347-353.	1.0	1
39	An Automated Graph Based Approach to Risk Assessment for Computer Networks with Mobile Components. Communications in Computer and Information Science, 2018, , 95-106.	0.4	1
40	The Architecture of Subsystem for Eliminating an Uncertainty in Assessment of Information Objectsâ€™ Semantic Content Based on the Methods of Incomplete, Inconsistent and Fuzzy Knowledge Processing. Studies in Computational Intelligence, 2020, , 294-301.	0.7	1
41	Construction and Analysis of Integral User-Oriented Trustworthiness Metrics. Electronics (Switzerland), 2022, 11, 234.	1.8	1
42	Detection and Monitoring of Destructive Impacts in Social Networks Using Machine Learning Methods. Communications in Computer and Information Science, 2021, , 60-65.	0.4	1
43	Privacy Policies of IoT Devices: Collection and Analysis. Sensors, 2022, 22, 1838.	2.1	1
44	Ontological Hybrid Storage for Security Data. Studies in Computational Intelligence, 2018, , 159-171.	0.7	0
45	Detection of Weaknesses in Information Systems for Automatic Selection of Security Actions. Automatic Control and Computer Sciences, 2019, 53, 1029-1037.	0.4	0
46	Towards Intelligent Data Processing for Automated Determination of Information System Assets. Advances in Information Security, Privacy, and Ethics Book Series, 2020, , 147-160.	0.4	0