

Elena Doynikova

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

41
papers

188
citations

9
h-index

12
g-index

48
ext. papers

256
ext. citations

1.2
avg, IF

3.6
L-index

#	Paper	IF	Citations
41	Security Assessment of Computer Networks Based on Attack Graphs and Security Events. <i>Lecture Notes in Computer Science</i> , 2014 , 462-471	0.9	19
40	CVSS-based Probabilistic Risk Assessment for Cyber Situational Awareness and Countermeasure Selection 2017 ,		16
39	The Ontology of Metrics for Security Evaluation and Decision Support in SIEM Systems 2013 ,		16
38	Security Analysis of Information Systems Taking into Account Social Engineering Attacks 2011 ,		15
37	Attacker Behaviour Forecasting Using Methods of Intelligent Data Analysis: A Comparative Review and Prospects. <i>Information (Switzerland)</i> , 2020 , 11, 168	2.6	12
36	Choosing Models for Security Metrics Visualization. <i>Lecture Notes in Computer Science</i> , 2017 , 75-87	0.9	12
35	Dynamical Calculation of Security Metrics for Countermeasure Selection in Computer Networks 2016 ,		12
34	The CAPEC based generator of attack scenarios for network security evaluation 2015 ,		11
33	Countermeasure Selection Based on the Attack and Service Dependency Graphs for Security Incident Management. <i>Lecture Notes in Computer Science</i> , 2016 , 107-124	0.9	10
32	Ontology of Metrics for Cyber Security Assessment 2019 ,		9
31	Countermeasure Selection in SIEM Systems Based on the Integrated Complex of Security Metrics 2015 ,		9
30	Synthesis and Analysis of the Fixed-Point Hodgkin-Huxley Neuron Model. <i>Electronics (Switzerland)</i> , 2020 , 9, 434	2.6	6
29	Security Metrics Based on Attack Graphs for the Olympic Games Scenario 2014 ,		6
28	Selection of countermeasures against network attacks based on dynamical calculation of security metrics. <i>Journal of Defense Modeling and Simulation</i> , 2018 , 15, 181-204	0.4	5
27	Enhancement of probabilistic attack graphs for accurate cyber security monitoring 2017 ,		4
26	Analytical attack modeling and security assessment based on the common vulnerability scoring system 2017 ,		3
25	Security Evaluation for Cyber Situational Awareness 2014 ,		3

24	AI- and Metrics-Based Vulnerability-Centric Cyber Security Assessment and Countermeasure Selection. <i>Computer Communications and Networks</i> , 2018 , 101-130	0.5	3
23	Use of neural networks for forecasting of the exposure of social network users to destructive impacts. <i>Informatsionno-Upravliaiushchie Sistemy</i> , 2020 , 24-33	0.7	2
22	An Ontology-based Storage of Security Information. <i>Information Technology and Control</i> , 2018 , 47,	1.3	2
21	Attack Graph-Based Countermeasure Selection Using a Stateful Return on Investment Metric. <i>Lecture Notes in Computer Science</i> , 2018 , 293-302	0.9	1
20	The Multi-Layer Graph Based Technique for Proactive Automatic Response Against Cyber Attacks 2018 ,		1
19	The ontological approach application for construction of the hybrid security repository 2017 ,		1
18	Construction and Analysis of Integral User-Oriented Trustworthiness Metrics. <i>Electronics (Switzerland)</i> , 2022 , 11, 234	2.6	1
17	Data Analytics for Security Management of Complex Heterogeneous Systems: Event Correlation and Security Assessment Tasks. <i>EAI/Springer Innovations in Communication and Computing</i> , 2020 , 79-116	0.6	1
16	P2Onto: Making Privacy Policies Transparent. <i>Lecture Notes in Computer Science</i> , 2020 , 235-252	0.9	1
15	The Architecture of Subsystem for Eliminating an Uncertainty in Assessment of Information Objects Semantic Content Based on the Methods of Incomplete, Inconsistent and Fuzzy Knowledge Processing. <i>Studies in Computational Intelligence</i> , 2020 , 294-301	0.8	1
14	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. <i>Studies in Computational Intelligence</i> , 2020 , 302-310	0.8	1
13	Towards Attacker Attribution for Risk Analysis. <i>Lecture Notes in Computer Science</i> , 2021 , 347-353	0.9	1
12	Detection and Monitoring of the Destructive Impacts in the Social Networks Using Machine Learning Methods. <i>Communications in Computer and Information Science</i> , 2021 , 60-65	0.3	1
11	Hypergraph-driven mitigation of cyberattacks. <i>Internet Technology Letters</i> , 2018 , 1, e38	1.3	0
10	An Automated Graph Based Approach to Risk Assessment for Computer Networks with Mobile Components. <i>Communications in Computer and Information Science</i> , 2018 , 95-106	0.3	0
9	Improving Calculation Accuracy of Digital Filters Based on Finite Field Algebra. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 45	2.6	0
8	Stateful RORI-based countermeasure selection using hypergraphs. <i>Journal of Information Security and Applications</i> , 2020 , 54, 102562	3.5	0
7	Stateful RORI-based countermeasure selection using hypergraphs. <i>Journal of Information Security and Applications</i> , 2020 , 54, 102541	3.5	0

6	Federated Learning for Intrusion Detection in the Critical Infrastructures: Vertically Partitioned Data Use Case. <i>Algorithms</i> , 2022 , 15, 104	1.8	0
5	Ontological Hybrid Storage for Security Data. <i>Studies in Computational Intelligence</i> , 2018 , 159-171	0.8	
4	Security Measuring System for IIoT Devices. <i>Lecture Notes in Computer Science</i> , 2022 , 256-275	0.9	
3	Towards Intelligent Data Processing for Automated Determination of Information System Assets. <i>Advances in Information Security, Privacy, and Ethics Book Series</i> , 2020 , 147-160	0.3	
2	Detection of Weaknesses in Information Systems for Automatic Selection of Security Actions. <i>Automatic Control and Computer Sciences</i> , 2019 , 53, 1029-1037	0.7	
1	Security Analysis of Information Systems Based on Attack Sequences Generation and Testing. <i>Studies in Computational Intelligence</i> , 2022 , 427-437	0.8	