

Andreas Ekelhart

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8943908/publications.pdf>

Version: 2024-02-01

42
papers

843
citations

1039406

9
h-index

940134

16
g-index

44
all docs

44
docs citations

44
times ranked

517
citing authors

#	ARTICLE	IF	CITATIONS
1	Formalizing information security knowledge. , 2009, , .		128
2	Towards Security-Aware Virtual Environments for Digital Twins. , 2018, , .		97
3	Security Ontologies: Improving Quantitative Risk Analysis. , 2007, , .		57
4	On the Utility of Synthetic Data. , 2019, , .		47
5	A Specification-based State Replication Approach for Digital Twins. , 2018, , .		46
6	Digital Twins for Cyber-Physical Systems Security: State of the Art and Outlook. , 2019, , 383-412.		46
7	The SEPSES Knowledge Graph: An Integrated Resource for Cybersecurity. Lecture Notes in Computer Science, 2019, , 198-214.	1.0	42
8	Verification, Validation, and Evaluation in Information Security Risk Management. IEEE Security and Privacy, 2011, 9, 58-65.	1.5	34
9	Integration of an Ontological Information Security Concept in Risk Aware Business Process Management. , 2008, , .		28
10	Enhancing Cyber Situational Awareness for Cyber-Physical Systems through Digital Twins. , 2019, , .		28
11	Security Ontology: Simulating Threats to Corporate Assets. Lecture Notes in Computer Science, 2006, , 249-259.	1.0	23
12	XML security – A comparative literature review. Journal of Systems and Software, 2008, 81, 1715-1724.	3.3	22
13	Automated Security Risk Identification Using AutomationML-Based Engineering Data. IEEE Transactions on Dependable and Secure Computing, 2022, 19, 1655-1672.	3.7	20
14	Ontology-Based Decision Support for Information Security Risk Management. , 2009, , .		17
15	Interactive Selection of ISO 27001 Controls under Multiple Objectives. International Federation for Information Processing, 2008, , 477-492.	0.4	16
16	Integrating attacker behavior in IT security analysis: a discrete-event simulation approach. Information Technology and Management, 2015, 16, 221-233.	1.4	16
17	A Baseline for Attribute Disclosure Risk in Synthetic Data. , 2020, , .		16
18	Security Development Lifecycle for Cyber-Physical Production Systems. , 2019, , .		13

#	ARTICLE	IF	CITATIONS
19	The SLOGERT Framework for Automated Log Knowledge Graph Construction. Lecture Notes in Computer Science, 2021, , 631-646.	1.0	10
20	KRYSTAL: Knowledge graph-based framework for tactical attack discovery in audit data. Computers and Security, 2022, 121, 102828.	4.0	10
21	Formal threat descriptions for enhancing governmental risk assessment. , 2007, , .		9
22	Selecting security control portfolios: a multi-objective simulation-optimization approach. EURO Journal on Decision Processes, 2016, 4, 85-117.	1.8	9
23	Taming the logs - Vocabularies for semantic security analysis. Procedia Computer Science, 2018, 137, 109-119.	1.2	9
24	Securing the testing process for industrial automation software. Computers and Security, 2019, 85, 156-180.	4.0	9
25	Backdoor Attacks in Neural Networks – A Systematic Evaluation on Multiple Traffic Sign Datasets. Lecture Notes in Computer Science, 2019, , 285-300.	1.0	8
26	Privacy-Preserving Anomaly Detection Using Synthetic Data. Lecture Notes in Computer Science, 2020, , 195-207.	1.0	8
27	Fortification of IT Security by Automatic Security Advisory Processing. , 2008, , .		7
28	An evaluation of technologies for the pseudonymization of medical data. , 2009, , .		7
29	Automated Risk and Utility Management. , 2009, , .		7
30	Graph-based managing and mining of processes and data in the domain of intellectual property. Information Systems, 2022, 106, 101844.	2.4	6
31	Security Issues for the Use of Semantic Web in E-Commerce. , 2007, , 1-13.		6
32	Simulation-based optimization of information security controls: An adversary-centric approach. , 2013, , .		5
33	Evolving Secure Information Systems through Attack Simulation. , 2014, , .		5
34	Utility and Privacy Assessment of Synthetic Microbiome Data. Lecture Notes in Computer Science, 2022, , 15-27.	1.0	4
35	Finding Non-compliances with Declarative Process Constraints Through Semantic Technologies. Lecture Notes in Business Information Processing, 2019, , 60-74.	0.8	3
36	Virtual Knowledge Graphs for Federated Log Analysis. , 2021, , .		3

#	ARTICLE	IF	CITATIONS
37	Semantic-enabled architecture for auditable privacy-preserving data analysis. <i>Semantic Web</i> , 2022, , 1-34.	1.1	3
38	VloGraph: A Virtual Knowledge Graph Framework for Distributed Security Log Analysis. <i>Machine Learning and Knowledge Extraction</i> , 2022, 4, 371-396.	3.2	3
39	CASSIS - Computer-based Academy for Security and Safety in Information Systems. , 2007, , .		1
40	Cross-Platform File System Activity Monitoring and Forensics â€“ A Semantic Approach. <i>IFIP Advances in Information and Communication Technology</i> , 2020, , 384-397.	0.5	1
41	The Semantic Desktop: A Semantic Personal Information Management System Based on RDF and Topic Maps. <i>Lecture Notes in Computer Science</i> , 2006, , 135-151.	1.0	1
42	Architectural approach for handling semi-structured data in a user-centred working environment. <i>International Journal of Web Information Systems</i> , 2007, 3, 198-211.	1.3	0