Andreas Ekelhart

List of Publications by Year
in descending order

42 papers	843 citations	9 h-index	16 g-index
44 all docs	44 docs citations	44 times ranked	517 citing authors

#	Article	IF	Citations
1	Graph-based managing and mining of processes and data in the domain of intellectual property. Information Systems, 2022, 106, 101844.	2.4	6
2	Automated Security Risk Identification Using AutomationML-Based Engineering Data. IEEE Transactions on Dependable and Secure Computing, 2022, 19, 1655-1672.	3.7	20
3	Semantic-enabled architecture for auditable privacy-preserving data analysis. Semantic Web, 2022, , 1-34.	1.1	3
4	VloGraph: A Virtual Knowledge Graph Framework for Distributed Security Log Analysis. Machine Learning and Knowledge Extraction, 2022, 4, 371-396.	3.2	3
5	Utility andÂPrivacy Assessment ofÂSynthetic Microbiome Data. Lecture Notes in Computer Science, 2022, , 15-27.	1.0	4
6	KRYSTAL: Knowledge graph-based framework for tactical attack discovery in audit data. Computers and Security, 2022, 121, 102828.	4.0	10
7	Virtual Knowledge Graphs for Federated Log Analysis. , 2021, , .		3
8	The SLOGERT Framework for Automated Log Knowledge Graph Construction. Lecture Notes in Computer Science, 2021, , 631-646.	1.0	10
9	Privacy-Preserving Anomaly Detection Using Synthetic Data. Lecture Notes in Computer Science, 2020, , 195-207.	1.0	8
10	Cross-Platform File System Activity Monitoring and Forensics â€" A Semantic Approach. IFIP Advances in Information and Communication Technology, 2020, , 384-397.	0.5	1
11	A Baseline for Attribute Disclosure Risk in Synthetic Data. , 2020, , .		16
12	Enhancing Cyber Situational Awareness for Cyber-Physical Systems through Digital Twins. , 2019, , .		28
13	On the Utility of Synthetic Data. , 2019, , .		47
14	Finding Non-compliances with Declarative Process Constraints Through Semantic Technologies. Lecture Notes in Business Information Processing, 2019, , 60-74.	0.8	3
15	Securing the testing process for industrial automation software. Computers and Security, 2019, 85, 156-180.	4.0	9
16	Security Development Lifecycle for Cyber-Physical Production Systems. , 2019, , .		13
17	Digital Twins for Cyber-Physical Systems Security: State of the Art and Outlook. , 2019, , 383-412.		46
18	The SEPSES Knowledge Graph: An Integrated Resource for Cybersecurity. Lecture Notes in Computer Science, 2019, , 198-214.	1.0	42

#	Article	IF	Citations
19	Backdoor Attacks in Neural Networks â€" A Systematic Evaluation on Multiple Traffic Sign Datasets. Lecture Notes in Computer Science, 2019, , 285-300.	1.0	8
20	Taming the logs - Vocabularies for semantic security analysis. Procedia Computer Science, 2018, 137, 109-119.	1.2	9
21	A Specification-based State Replication Approach for Digital Twins. , 2018, , .		46
22	Towards Security-Aware Virtual Environments for Digital Twins. , 2018, , .		97
23	Selecting security control portfolios: a multi-objective simulation-optimization approach. EURO Journal on Decision Processes, 2016, 4, 85-117.	1.8	9
24	Integrating attacker behavior in IT security analysis: a discrete-event simulation approach. Information Technology and Management, 2015, 16, 221-233.	1.4	16
25	Evolving Secure Information Systems through Attack Simulation. , 2014, , .		5
26	Simulation-based optimization of information security controls: An adversary-centric approach. , 2013, , .		5
27	Verification, Validation, and Evaluation in Information Security Risk Management. IEEE Security and Privacy, 2011, 9, 58-65.	1.5	34
28	Ontology-Based Decision Support for Information Security Risk Management. , 2009, , .		17
29	Formalizing information security knowledge. , 2009, , .		128
30	An evaluation of technologies for the pseudonymization of medical data. , 2009, , .		7
31	Automated Risk and Utility Management. , 2009, , .		7
32	XML security â€" A comparative literature review. Journal of Systems and Software, 2008, 81, 1715-1724.	3.3	22
33	Integration of an Ontological Information Security Concept in Risk AwareÂ Business Process Management. , 2008, , .		28
34	Interactive Selection of ISO 27001 Controls under Multiple Objectives. International Federation for Information Processing, 2008, , 477-492.	0.4	16
35	Fortification of IT Security by Automatic Security Advisory Processing. , 2008, , .		7
36	Formal threat descriptions for enhancing governmental risk assessment. , 2007, , .		9

#	Article	IF	Citations
37	CASSIS - Computer-based Academy for Security and Safety in Information Systems. , 2007, , .		1
38	Architectural approach for handling semi€structured data in a user€centred working environment. International Journal of Web Information Systems, 2007, 3, 198-211.	1.3	0
39	Security Ontologies: Improving Quantitative Risk Analysis. , 2007, , .		57
40	Security Issues for the Use of Semantic Web in E-Commerce. , 2007, , 1-13.		6
41	Security Ontology: Simulating Threats to Corporate Assets. Lecture Notes in Computer Science, 2006, , 249-259.	1.0	23
42	The Semantic Desktop: A Semantic Personal Information Management System Based on RDF and Topic Maps. Lecture Notes in Computer Science, 2006, , 135-151.	1.0	1