Stefan Fenz

List of Publications by Year
in descending order

50 papers	864 citations	687363 13 h-index	713466 21 g-index
52 all docs	52 docs citations	52 times ranked	699 citing authors

#	Article	IF	Citations
1	Formalizing information security knowledge. , 2009, , .		128
2	A taxonomy for privacy enhancing technologies. Computers and Security, 2015, 53, 1-17.	6.0	79
3	Current challenges in information security risk management. Information Management and Computer Security, 2014, 22, 410-430.	1.2	63
4	Security Ontologies: Improving Quantitative Risk Analysis. , 2007, , .		57
5	An ontology-based approach for constructing Bayesian networks. Data and Knowledge Engineering, 2012, 73, 73-88.	3.4	49
6	Ontology-Based Generation of Bayesian Networks. , 2009, , .		32
7	Information Security Automation: How Far Can We Go?. , 2011, , .		32
8	Information Security Fortification by Ontological Mapping of the ISO/IEC 27001 Standard. , 2007, , .		30
9	Toward web-based information security knowledge sharing. Information Security Technical Report, 2013, 17, 199-209.	1.3	29
10	Pseudonymization for improving the Privacy in E-Health Applications. , 2008, , .		27
11	A Risk Management Framework for Cloud Migration Decision Support. Journal of Risk and Financial Management, 2017, 10, 10.	2.3	26
12	Security Ontology: Simulating Threats to Corporate Assets. Lecture Notes in Computer Science, 2006, , 249-259.	1.3	23
13	XML security â€" A comparative literature review. Journal of Systems and Software, 2008, 81, 1715-1724.	4.5	22
14	Ontology-based information security compliance determination and control selection on the example of ISO 27002. Information and Computer Security, 2018, 26, 551-567.	2.2	20
15	Ontology-based generation of IT-security metrics. , 2010, , .		18
16	SIEMâ€‹based framework for security controls automation. Information Management and Computer Security, 2012, 20, 248-263.	1.2	18
17	Enhancing ontology-based antipattern detection using Bayesian networks. Expert Systems With Applications, 2012, 39, 9041-9053.	7.6	18
18	Ontology-Based Decision Support for Information Security Risk Management. , 2009, , .		17

#	Article	IF	Citations
19	Mapping information security standard ISO 27002 to an ontological structure. Information and Computer Security, 2016, 24, 452-473.	2.2	16
20	Ontological Mapping of Common Criteria's Security Assurance Requirements. International Federation for Information Processing, 2007, , 85-95.	0.4	15
21	Information Security Risk Management: In Which Security Solutions Is It Worth Investing?. Communications of the Association for Information Systems, 0, 28, .	0.9	15
22	A Structured Comparison of Security Standards. Lecture Notes in Computer Science, 2014, , 1-34.	1.3	14
23	Stakeholder-oriented energy planning support in cities. Sustainable Cities and Society, 2017, 28, 482-492.	10.4	10
24	Automation Possibilities in Information Security Management. , 2011, , .		8
25	FORISK: Formalizing information security risk and compliance management. , 2013, , .		8
26	Fortification of IT Security by Automatic Security Advisory Processing. , 2008, , .		7
27	Challenges of Web-Based Information Security Knowledge Sharing. , 2012, , .		7
28	A Community Knowledge Base for IT Security. IT Professional, 2011, 13, 24-30.	1.5	6
29	A modular methodology for the development of urban energy planning support software. , 2013, , .		6
30	Migration Goals and Risk Management in Cloud Computing. International Journal of Secure Software Engineering, 2016, 7, 44-73.	0.4	6
31	Security Issues for the Use of Semantic Web in E-Commerce. , 2007, , 1-13.		6
32	An ontology- and Bayesian-based approach for determining threat probabilities. , 2011, , .		5
33	Recognition and pseudonymisation of medical records for secondary use. Medical and Biological Engineering and Computing, 2016, 54, 371-383.	2.8	5
34	Stakeholder-oriented Energy Planning Support in Cities. Energy Procedia, 2015, 78, 1841-1846.	1.8	4
35	Semantic Storage: A Report on Performance and Flexibility. Lecture Notes in Computer Science, 2005, , 586-595.	1.3	4
36	De-identification of unstructured paper-based health records for privacy-preserving secondary use. Journal of Medical Engineering and Technology, 2014, 38, 260-268.	1.4	3

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37	SEMERGY.net: automatically identifying and optimizing energy-efficient building designs. Computer Science - Research and Development, 2016, 31, 135-140.	2.7	3
38	Towards Automatic Generation of Ontology-Based Antipattern Bayesian Network Models. , 2011, , .		2
39	Increasing knowledge capturing efficiency by enterprise portals. VINE: the Journal of Information and Knowledge Management Systems, 2012, 42, 237-250.	1.0	2
40	SEMERGY: Performance-Guided Building Design and Refurbishment within a Semantically Augmented Optimization Environment. Advanced Materials Research, 2014, 899, 589-595.	0.3	2
41	Internet of Things Applications in Bulk Shipping Logistics: Problems and Potential Solutions. Communications in Computer and Information Science, 2012, , 565-571.	0.5	2
42	CASSIS - Computer-based Academy for Security and Safety in Information Systems. , 2007, , .		1
43	A rule-based transformation system for converting semi-structured medical documents. Health and Technology, 2013, 3, 51-63.	3.6	1
44	Robustness against data availability problems in urban energy planning support software. , 2014, , .		1
45	E-Business and Information Security Risk Management. Advances in E-Business Research Series, 2011, , 596-614.	0.4	1
46	How to Assess Confidentiality Requirements of Corporate Assets?. IFIP Advances in Information and Communication Technology, 2014, , 234-241.	0.7	1
47	Supporting Complex Decision Making byÂSemantic Technologies. Lecture Notes in Computer Science, 2020, , 632-647.	1.3	1
48	The Semantic Desktop: A Semantic Personal Information Management System Based on RDF and Topic Maps. Lecture Notes in Computer Science, 2006, , 135-151.	1.3	1
49	Architectural approach for handling semiâ€structured data in a userâ€centred working environment. International Journal of Web Information Systems, 2007, 3, 198-211.	2.4	0
50	Recognition and Pseudonymization of Personal Data in Paper-Based Health Records. Lecture Notes in Business Information Processing, 2012, , 153-164.	1.0	0