

Florian Skopik

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.

89
papers

861
citations

15
h-index

26
g-index

105
ext. papers

1,103
ext. citations

1.8
avg, IF

4.64
L-index

#	Paper	IF	Citations
89	Combating advanced persistent threats: From network event correlation to incident detection. <i>Computers and Security</i> , 2015 , 48, 35-57	4.9	115
88	A problem shared is a problem halved: A survey on the dimensions of collective cyber defense through security information sharing. <i>Computers and Security</i> , 2016 , 60, 154-176	4.9	102
87	Modeling and mining of dynamic trust in complex service-oriented systems. <i>Information Systems</i> , 2010 , 35, 735-757	2.7	71
86	Interaction mining and skill-dependent recommendations for multi-objective team composition. <i>Data and Knowledge Engineering</i> , 2011 , 70, 866-891	1.5	30
85	System log clustering approaches for cyber security applications: A survey. <i>Computers and Security</i> , 2020 , 92, 101739	4.9	25
84	Start Trusting Strangers? Bootstrapping and Prediction of Trust. <i>Lecture Notes in Computer Science</i> , 2009 , 275-289	0.9	25
83	A collaborative cyber incident management system for European interconnected critical infrastructures. <i>Journal of Information Security and Applications</i> , 2017 , 34, 166-182	3.5	21
82	Expert Discovery and Interactions in Mixed Service-Oriented Systems. <i>IEEE Transactions on Services Computing</i> , 2012 , 5, 233-245	4.8	21
81	A Survey on Threats and Vulnerabilities in Smart Metering Infrastructures. <i>International Journal of Smart Grid and Clean Energy</i> , 2012 , 22-28	1.4	21
80	Dealing with advanced persistent threats in smart grid ICT networks 2014 ,		19
79	Dynamic log file analysis: An unsupervised cluster evolution approach for anomaly detection. <i>Computers and Security</i> , 2018 , 79, 94-116	4.9	19
78	From old to new: Assessing cybersecurity risks for an evolving smart grid. <i>Computers and Security</i> , 2016 , 62, 165-176	4.9	18
77	The social smart grid: Dealing with constrained energy resources through social coordination. <i>Journal of Systems and Software</i> , 2014 , 89, 3-18	3.3	16
76	Trustworthy interaction balancing in mixed service-oriented systems 2010 ,		16
75	Incremental Clustering for Semi-Supervised Anomaly Detection applied on Log Data 2017 ,		15
74	Attack Vectors to Metering Data in Smart Grids under Security Constraints 2012 ,		15
73	Runtime Behavior Monitoring and Self-Adaptation in Service-Oriented Systems 2010 ,		15

72	Trust and Reputation Mining in Professional Virtual Communities. <i>Lecture Notes in Computer Science</i> , 2009 , 76-90	0.9	14
71	Semi-synthetic data set generation for security software evaluation 2014 ,		13
70	Resource and Agreement Management in Dynamic Crowdcomputing Environments 2011 ,		13
69	Security Is Not Enough! On Privacy Challenges in Smart Grids. <i>International Journal of Smart Grid and Clean Energy</i> , 2012 , 7-14	1.4	13
68	2015 ,		11
67	Privacy issues of smart e-mobility 2013 ,		10
66	The Cycle of Trust in Mixed Service-Oriented Systems 2009 ,		10
65	Acquiring Cyber Threat Intelligence through Security Information Correlation 2017 ,		9
64	DISCOVERING AND MANAGING SOCIAL COMPOSITIONS IN COLLABORATIVE ENTERPRISE CROWDSOURCING SYSTEMS. <i>International Journal of Cooperative Information Systems</i> , 2012 , 21, 297-341 ^{0.6}		9
63	Complex log file synthesis for rapid sandbox-benchmarking of security- and computer network analysis tools. <i>Information Systems</i> , 2016 , 60, 13-33	2.7	9
62	Time Series Analysis: Unsupervised Anomaly Detection Beyond Outlier Detection. <i>Lecture Notes in Computer Science</i> , 2018 , 19-36	0.9	9
61	A structural design for a pan-European early warning system for critical infrastructures. <i>Elektrotechnik Und Informationstechnik</i> , 2015 , 132, 117-121	0.4	8
60	Behavior Monitoring in Self-Healing Service-Oriented Systems 2010 ,		8
59	AIT Cyber Range 2020 ,		8
58	Trusted Interaction Patterns in Large-scale Enterprise Service Networks 2010 ,		7
57	An Analysis of the Structure and Dynamics of Large-Scale Q/A Communities. <i>Lecture Notes in Computer Science</i> , 2011 , 285-301	0.9	7
56	A Framework for Cyber Threat Intelligence Extraction from Raw Log Data 2019 ,		7
55	Cyber situational awareness through network anomaly detection: state of the art and new approaches. <i>Elektrotechnik Und Informationstechnik</i> , 2015 , 132, 101-105	0.4	6

54	Bridging socially-enhanced virtual communities 2011 ,		6
53	A Collaborative Analysis System for Cross-organization Cyber Incident Handling 2016 ,		6
52	AECID: A Self-learning Anomaly Detection Approach based on Light-weight Log Parser Models 2018		6
51	Correlating cyber incident information to establish situational awareness in Critical Infrastructures 2016 ,		6
50	Trust-Based Adaptation in Complex Service-Oriented Systems 2010 ,		5
49	Discovering Insider Threats from Log Data with High-Performance Bioinformatics Tools 2016 ,		5
48	Have it Your Way: Generating Customized Log Datasets With a Model-Driven Simulation Testbed. <i>IEEE Transactions on Reliability</i> , 2021 , 70, 402-415	4.6	5
47	Architecture-driven smart grid security management 2014 ,		4
46	Mining and Composition of Emergent Collectives in Mixed Service-Oriented Systems 2010 ,		4
45	Creating Character-based Templates for Log Data to Enable Security Event Classification 2020 ,		4
44	Modeling and Mining of Dynamic Trust in Complex Service-Oriented Systems 2011 , 29-75		4
43	Under false flag: using technical artifacts for cyber attack attribution. <i>Cybersecurity</i> , 2020 , 3,	5	4
42	Smart Log Data Analytics 2021 ,		4
41	Designing a Cyber Attack Information System for National Situational Awareness. <i>Communications in Computer and Information Science</i> , 2012 , 277-288	0.3	3
40	Novel Energy Saving Opportunities in Smart Grids Using a Secure Social Networking Layer 2012 ,		3
39	Information Management and Sharing for National Cyber Situational Awareness 2012 , 217-227		3
38	Towards Secure Time-Triggered Systems. <i>Lecture Notes in Computer Science</i> , 2012 , 365-372	0.9	3
37	Cyber Security Challenges in Heterogeneous ICT Infrastructures of Smart Grids. <i>Journal of Communications</i> , 2013 , 8, 463-472	0.5	3

36	A decision support model for situational awareness in National Cyber Operations Centers 2016 ,		3
35	synERGY: Cross-correlation of operational and contextual data to timely detect and mitigate attacks to cyber-physical systems. <i>Journal of Information Security and Applications</i> , 2020 , 54, 102544	3.5	2
34	Cyber Attack Information Sharing. <i>Datenschutz Und Datensicherheit - DuD</i> , 2014 , 38, 251-256	0.1	2
33	Social network mining of requester communities in crowdsourcing markets. <i>Social Network Analysis and Mining</i> , 2012 , 2, 329-344	2.2	2
32	Trustworthy incident information sharing in social cyber defense alliances 2013 ,		2
31	Managing social overlay networks in semantic open enterprise systems 2011 ,		2
30	Towards Social Crowd Environments Using Service-Oriented Architectures. <i>IT - Information Technology</i> , 2011 , 53,	0.4	2
29	A programming model for self-adaptive open enterprise systems 2010 ,		2
28	PRECYSE: Cyber-attack Detection and Response for Industrial Control Systems 2014 ,		2
27	Countering targeted cyber-physical attacks using anomaly detection in self-adaptive Industry 4.0 Systems. <i>Elektrotechnik Und Informationstechnik</i> , 2018 , 135, 278-285	0.4	2
26	Über die datenschutzrechtliche Problematik in CERTs/CSIRTs-Netzwerken. <i>Datenschutz Und Datensicherheit - DuD</i> , 2017 , 41, 572-576	0.1	1
25	On demand for situational awareness for preventing attacks on the smart grid 2015 ,		1
24	Beyond gut instincts: Understanding, rating and comparing self-learning IDSs 2015 ,		1
23	Opportunistic Information Flows through Strategic Social Link Establishment 2011 ,		1
22	Supporting Network Formation through Mining under Privacy Constraints 2010 ,		1
21	Adaptive provisioning of human expertise in service-oriented systems 2011 ,		1
20	Blind Spots of Security Monitoring in Enterprise Infrastructures: A Survey. <i>IEEE Security and Privacy</i> , 2022 , 2-10	2	1
19	Online Log Data Analysis With Efficient Machine Learning: A Review. <i>IEEE Security and Privacy</i> , 2021 , 2-12	2	1

18	Behavior Monitoring in Self-Healing Service-Oriented Systems 2011 , 95-116		1
17	A Blueprint for a Pan-European Cyber Incident Analysis System		1
16	Runtime Behavior Monitoring and Self-Adaptation in Service-Oriented Systems 2011 , 117-138		1
15	A Self-organising Approach for Smart Meter Communication Systems. <i>Lecture Notes in Computer Science</i> , 2014 , 169-175	0.9	1
14	Design principles for national cyber security sensor networks: Lessons learned from small-scale demonstrators 2019 ,		1
13	Iterative Selection of Categorical Variables for Log Data Anomaly Detection. <i>Lecture Notes in Computer Science</i> , 2021 , 757-777	0.9	1
12	Dealing with Security Alert Flooding: Using Machine Learning for Domain-independent Alert Aggregation. <i>ACM Transactions on Privacy and Security</i> , 2022 , 25, 1-36	2.9	1
11	Survey on Log Clustering Approaches 2021 , 13-41		0
10	Automatic Attack Pattern Mining for Generating Actionable CTI Applying Alert Aggregation. <i>Lecture Notes in Computer Science</i> , 2022 , 136-161	0.9	0
9	Trust and Distrust: On Sense and Nonsense in Big Data. <i>IFIP Advances in Information and Communication Technology</i> , 2019 , 81-94	0.5	
8	Keine Cyber-Sicherheit ohne Datenschutz. <i>Datenschutz Und Datensicherheit - DuD</i> , 2015 , 39, 723-729	0.1	
7	Organisationsübergreifender Austausch sicherheitsrelevanter Informationen als Grundlage für Cyber-Lagebilder 2018 , 43-80		
6	Incremental Log Data Clustering for Processing Large Amounts of Data Online 2021 , 43-61		
5	AECID: A Light-Weight Log Analysis Approach for Online Anomaly Detection 2021 , 99-129		
4	Variable Type Detector for Statistical Analysis of Log Tokens 2021 , 151-171		
3	Time Series Analysis for Temporal Anomaly Detection 2021 , 83-98		
2	The Seven Golden Principles of Effective Anomaly-Based Intrusion Detection. <i>IEEE Security and Privacy</i> , 2021 , 19, 36-45	2	
1	Detecting Unknown Cyber Security Attacks Through System Behavior Analysis. <i>Lecture Notes in Computer Science</i> , 2022 , 103-119	0.9	

