Florian Skopik

List of Publications by Citations

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. *Computers and Security*, **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. *Computers and Security*, **2016**, 60, 154-176	4.9	102
87	Modeling and mining of dynamic trust in complex service-oriented systems. *Information Systems*, **2010**, 35, 735-757	2.7	71
86	Interaction mining and skill-dependent recommendations for multi-objective team composition. *Data and Knowledge Engineering*, **2011**, 70, 866-891	1.5	30
85	System log clustering approaches for cyber security applications: A survey. *Computers and Security*, **2020**, 92, 101739	4.9	25
84	Start Trusting Strangers? Bootstrapping and Prediction of Trust. *Lecture Notes in Computer Science*, **2009**, 275-289	0.9	25
83	A collaborative cyber incident management system for European interconnected critical infrastructures. *Journal of Information Security and Applications*, **2017**, 34, 166-182	3.5	21
82	Expert Discovery and Interactions in Mixed Service-Oriented Systems. *IEEE Transactions on Services Computing*, **2012**, 5, 233-245	4.8	21
81	A Survey on Threats and Vulnerabilities in Smart Metering Infrastructures. *International Journal of Smart Grid and Clean Energy*, **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. *Computers and Security*, **2018**, 79, 94-116	4.9	19
78	From old to new: Assessing cybersecurity risks for an evolving smart grid. *Computers and Security*, **2016**, 62, 165-176	4.9	18
77	The social smart grid: Dealing with constrained energy resources through social coordination. *Journal of Systems and Software*, **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. *Lecture Notes in Computer Science*, **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. *International Journal of Smart Grid and Clean Energy*, **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. *International Journal of Cooperative Information Systems*, **2012**, 21, 297-341	0.6	9
63	Complex log file synthesis for rapid sandbox-benchmarking of security- and computer network analysis tools. *Information Systems*, **2016**, 60, 13-33	2.7	9
62	Time Series Analysis: Unsupervised Anomaly Detection Beyond Outlier Detection. *Lecture Notes in Computer Science*, **2018**, 19-36	0.9	9
61	A structural design for a pan-European early warning system for critical infrastructures. *Elektrotechnik Und Informationstechnik*, **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. *Lecture Notes in Computer Science*, **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. *Elektrotechnik Und Informationstechnik*, **2015**, 132, 101-105	0.4	6

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. *Journal of Information Security and Applications*, **2020**, 54, 102544	3.5	2
34	Cyber Attack Information Sharing. *Datenschutz Und Datensicherheit - DuD*, **2014**, 38, 251-256	0.1	2
33	Social network mining of requester communities in crowdsourcing markets. *Social Network Analysis and Mining*, **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. *IT - Information Technology*, **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. *Elektrotechnik Und Informationstechnik*, **2018**, 135, 278-285	0.4	2
26	Ber die datenschutzrechtliche Problematik in CERTs/CSIRTs-Netzwerken. *Datenschutz Und Datensicherheit - DuD*, **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. *IEEE Security and Privacy*, **2022**, 2-10	2	1
19	Online Log Data Analysis With Efficient Machine Learning: A Review. *IEEE Security and Privacy*, **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. *Lecture Notes in Computer Science*, **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. *Lecture Notes in Computer Science*, **2021**, 757-777	0.9	1
12	Dealing with Security Alert Flooding: Using Machine Learning for Domain-independent Alert Aggregation. *ACM Transactions on Privacy and Security*, **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. *Lecture Notes in Computer Science*, **2022**, 136-161	0.9	0
9	Trust and Distrust: On Sense and Nonsense in Big Data. *IFIP Advances in Information and Communication Technology*, **2019**, 81-94	0.5	
8	Keine Cyber-Sicherheit ohne Datenschutz. *Datenschutz Und Datensicherheit - DuD*, **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. *IEEE Security and Privacy*, **2021**, 19, 36-45	2	
1	Detecting Unknown Cyber Security Attacks Through System Behavior Analysis. *Lecture Notes in Computer Science*, **2022**, 103-119	0.9	