

# Sean Peisert

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8888506/publications.pdf>

Version: 2024-02-01

73  
papers

1,076  
citations

567281

15  
h-index

552781

26  
g-index

74  
all docs

74  
docs citations

74  
times ranked

863  
citing authors

#	ARTICLE	IF	CITATIONS
1	Machine learning for metabolic engineering: A review. <i>Metabolic Engineering</i> , 2021, 63, 34-60.	7.0	135
2	Anomaly Detection Using Optimally Placed $\mu$ PMUs. <i>Sensors in Distribution Grids. IEEE Transactions on Power Systems</i> , 2018, 33, 3611-3623.	6.5	94
3	We have met the enemy and he is us. , 2008, , .		52
4	Analysis of Computer Intrusions Using Sequences of Function Calls. <i>IEEE Transactions on Dependable and Secure Computing</i> , 2007, 4, 137-150.	5.4	41
5	Perspectives on the SolarWinds Incident. <i>IEEE Security and Privacy</i> , 2021, 19, 7-13.	1.2	38
6	Micro Synchrophasor-Based Intrusion Detection in Automated Distribution Systems: Toward Critical Infrastructure Security. <i>IEEE Internet Computing</i> , 2016, 20, 18-27.	3.3	36
7	BChain: Byzantine Replication with High Throughput and Embedded Reconfiguration. <i>Lecture Notes in Computer Science</i> , 2014, , 91-106.	1.3	36
8	Hybrid Control Network Intrusion Detection Systems for Automated Power Distribution Systems. , 2014, , .		33
9	Phasor Measurement Units Optimal Placement and Performance Limits for Fault Localization. <i>IEEE Journal on Selected Areas in Communications</i> , 2020, 38, 180-192.	14.0	33
10	hBFT: Speculative Byzantine Fault Tolerance with Minimum Cost. <i>IEEE Transactions on Dependable and Secure Computing</i> , 2015, 12, 58-70.	5.4	31
11	Insider Threat Identification by Process Analysis. , 2014, , .		27
12	How to Design Computer Security Experiments. <i>IFIP Advances in Information and Communication Technology</i> , 2007, , 141-148.	0.7	24
13	Security in high-performance computing environments. <i>Communications of the ACM</i> , 2017, 60, 72-80.	4.5	24
14	Computer forensics in forensics. <i>Operating Systems Review (ACM)</i> , 2008, 42, 112-122.	1.9	23
15	Relationships and data sanitization. , 2010, , .		23
16	Designed-in Security for Cyber-Physical Systems. <i>IEEE Security and Privacy</i> , 2014, 12, 9-12.	1.2	22
17	A hybrid network IDS for protective digital relays in the power transmission grid. , 2014, , .		22
18	Toward Models for Forensic Analysis. , 2007, , .		21

#	ARTICLE	IF	CITATIONS
19	Techniques for the dynamic randomization of network attributes. , 2015, , .		20
20	A Real-Time Testbed Environment for Cyber-Physical Security on the Power Grid. , 2015, , .		20
21	Principles-driven forensic analysis. , 2005, , .		19
22	The IEEE Symposium on Security and Privacy, in Retrospect. IEEE Security and Privacy, 2014, 12, 15-17.	1.2	18
23	Monitoring Security of Networked Control Systems: It's the Physics. IEEE Security and Privacy, 2014, 12, 32-39.	1.2	17
24	A Risk Management Approach to the "Insider Threat". Advances in Information Security, 2010, , 115-137.	1.2	17
25	Computer Forensics in Forensics. , 2008, , .		15
26	ByzID: Byzantine Fault Tolerance from Intrusion Detection. , 2014, , .		14
27	The medical science DMZ: a network design pattern for data-intensive medical science. Journal of the American Medical Informatics Association: JAMIA, 2018, 25, 267-274.	4.4	12
28	Performance Analysis of Scientific Computing Workloads on General Purpose TEEs. , 2021, , .		12
29	The Medical Science DMZ. Journal of the American Medical Informatics Association: JAMIA, 2016, 23, 1199-1201.	4.4	11
30	Deep Reinforcement Learning for DER Cyber-Attack Mitigation. , 2020, , .		11
31	Low-Resolution Fault Localization Using Phasor Measurement Units with Community Detection. , 2018, , .		10
32	A machine learning approach for packet loss prediction in science flows. Future Generation Computer Systems, 2020, 102, 190-197.	7.5	10
33	SolarWinds and the Challenges of Patching: Can We Ever Stop Dancing With the Devil?. IEEE Security and Privacy, 2021, 19, 14-19.	1.2	10
34	Principles of authentication. , 2013, , .		9
35	Blockchain as a Trusted Component in Cloud SLA Verification. , 2019, , .		9
36	Learning Behavior of Distribution System Discrete Control Devices for Cyber-Physical Security. IEEE Transactions on Smart Grid, 2020, 11, 749-761.	9.0	9

#	ARTICLE	IF	CITATIONS
37	Network-theoretic classification of parallel computation patterns. International Journal of High Performance Computing Applications, 2012, 26, 159-169.	3.7	8
38	Multiclass classification of distributed memory parallel computations. Pattern Recognition Letters, 2013, 34, 322-329.	4.2	8
39	Detecting control system misbehavior by fingerprinting programmable logic controller functionality. International Journal of Critical Infrastructure Protection, 2019, 26, 100306.	4.6	8
40	Iterative Analysis to Improve Key Properties of Critical Human-Intensive Processes. ACM Transactions on Privacy and Security, 2017, 20, 1-31.	3.0	7
41	ASLR: How Robust Is the Randomness?. , 2017, , .		7
42	Flowzilla: A Methodology for Detecting Data Transfer Anomalies in Research Networks. , 2018, , .		7
43	Deep Reinforcement Learning for Mitigating Cyber-Physical DER Voltage Unbalance Attacks. , 2021, , .		7
44	Automated Anomaly Detection in Distribution Grids Using uPMU Measurements. , 2017, , .		7
45	Differentially Private $k$ -Means Clustering Applied to Meter Data Analysis and Synthesis. IEEE Transactions on Smart Grid, 2022, 13, 4801-4814.	9.0	7
46	P2S. , 2014, , .		6
47	I Am a Scientist, Not a Philosopher!. IEEE Security and Privacy, 2007, 5, 48-51.	1.2	5
48	Trustworthy scientific computing. Communications of the ACM, 2021, 64, 18-21.	4.5	5
49	Reflections on the 30th Anniversary of the IEEE Symposium on Security and Privacy. , 2010, , .		4
50	Online Thevenin parameter tracking using synchrophasor data. , 2017, , .		4
51	Trusted CI Experiences in Cybersecurity and Service to Open Science. , 2019, , .		4
52	Lyapunov stability of smart inverters using linearized distflow approximation. IET Renewable Power Generation, 2021, 15, 114-126.	3.1	4
53	Quis Custodiet ipsos Custodes?. , 2009, , .		4
54	Control Systems Security from the Front Lines. IEEE Security and Privacy, 2014, 12, 55-58.	1.2	3

#	ARTICLE	IF	CITATIONS
55	SoDa: An Irradiance-Based Synthetic Solar Data Generation Tool. , 2020, , .		3
56	Big Data and Analysis of Data Transfers for International Research Networks Using NetSage. , 2017, , .		2
57	The Open Science Cyber Risk Profile: The Rosetta Stone for Open Science and Cybersecurity. IEEE Security and Privacy, 2017, 15, 94-95.	1.2	2
58	Security and Elections. IEEE Security and Privacy, 2012, 10, 64-67.	1.2	1
59	Automated Mechanical Ventilator Waveform Analysis of Patient-Ventilator Asynchrony. Chest, 2015, 148, 175A.	0.8	1
60	Some Experiences in Developing Security Technology That Actually Get Used. IEEE Security and Privacy, 2019, 17, 4-7.	1.2	1
61	Anomaly Detection for Science DMZs Using System Performance Data. , 2020, , .		1
62	Reflections on the Past, Perspectives on the Future [From the Editors]. IEEE Security and Privacy, 2021, 19, 4-7.	1.2	1
63	Panel: Technical, Social and Legal Frameworks for Digital Forensics and CyberInfrastructure Security. , 2009, , .		0
64	Closing the Gap on Securing Energy Sector Control Systems [Guest editors' introduction]. IEEE Security and Privacy, 2014, 12, 13-14.	1.2	0
65	Integrated multi-scale data analytics and machine learning for the distribution grid. , 2017, , .		0
66	A Model of Owner Controlled, Full-Provenance, Non-Persistent, High-Availability Information Sharing. , 2017, , .		0
67	Selected Papers from the 2017 IEEE Symposium on Security and Privacy. IEEE Security and Privacy, 2018, 16, 10-11.	1.2	0
68	SPARCS: Stream-Processing Architecture Applied in Real-Time Cyber-Physical Security. , 2019, , .		0
69	Workflow Automation in Liquid Chromatography Mass Spectrometry. , 2019, , .		0
70	Isolating Insecurely: A Call to Arms for the Security and Privacy Community During the Time of COVID-19. IEEE Security and Privacy, 2020, 18, 4-7.	1.2	0
71	Towards a Self-Adaptive Middleware for Building Reliable Publish/Subscribe Systems. Lecture Notes in Computer Science, 2015, , 157-168.	1.3	0
72	Unsafe at Any Clock Speed: The Insecurity of Computer System Design, Implementation, and Operation. IEEE Security and Privacy, 2022, 20, 4-9.	1.2	0

#	ARTICLE	IF	CITATIONS
73	A Framework for Evaluating BFT. , 2021, , .		0