

# 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	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
2	Differentially Private $k$ -Means Clustering Applied to Meter Data Analysis and Synthesis. IEEE Transactions on Smart Grid, 2022, 13, 4801-4814.	9.0	7
3	Machine learning for metabolic engineering: A review. Metabolic Engineering, 2021, 63, 34-60.	7.0	135
4	Reflections on the Past, Perspectives on the Future [From the Editors]. IEEE Security and Privacy, 2021, 19, 4-7.	1.2	1
5	Lyapunov stability of smart inverters using linearized distflow approximation. IET Renewable Power Generation, 2021, 15, 114-126.	3.1	4
6	Perspectives on the SolarWinds Incident. IEEE Security and Privacy, 2021, 19, 7-13.	1.2	38
7	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
8	Deep Reinforcement Learning for Mitigating Cyber-Physical DER Voltage Unbalance Attacks. , 2021, , .		7
9	Performance Analysis of Scientific Computing Workloads on General Purpose TEEs. , 2021, , .		12
10	Trustworthy scientific computing. Communications of the ACM, 2021, 64, 18-21.	4.5	5
11	A Framework for Evaluating BFT. , 2021, , .		0
12	Learning Behavior of Distribution System Discrete Control Devices for Cyber-Physical Security. IEEE Transactions on Smart Grid, 2020, 11, 749-761.	9.0	9
13	A machine learning approach for packet loss prediction in science flows. Future Generation Computer Systems, 2020, 102, 190-197.	7.5	10
14	Phasor Measurement Units Optimal Placement and Performance Limits for Fault Localization. IEEE Journal on Selected Areas in Communications, 2020, 38, 180-192.	14.0	33
15	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
16	Anomaly Detection for Science DMZs Using System Performance Data. , 2020, , .		1
17	Deep Reinforcement Learning for DER Cyber-Attack Mitigation. , 2020, , .		11
18	SoDa: An Irradiance-Based Synthetic Solar Data Generation Tool. , 2020, , .		3

#	ARTICLE	IF	CITATIONS
19	Detecting control system misbehavior by fingerprinting programmable logic controller functionality. International Journal of Critical Infrastructure Protection, 2019, 26, 100306.	4.6	8
20	Trusted CI Experiences in Cybersecurity and Service to Open Science. , 2019, , .		4
21	Some Experiences in Developing Security Technology That Actually Get Used. IEEE Security and Privacy, 2019, 17, 4-7.	1.2	1
22	SPARCS: Stream-Processing Architecture Applied in Real-Time Cyber-Physical Security. , 2019, , .		0
23	Workflow Automation in Liquid Chromatography Mass Spectrometry. , 2019, , .		0
24	Blockchain as a Trusted Component in Cloud SLA Verification. , 2019, , .		9
25	Selected Papers from the 2017 IEEE Symposium on Security and Privacy. IEEE Security and Privacy, 2018, 16, 10-11.	1.2	0
26	Anomaly Detection Using Optimally Placed $\mu$ PMUs. Sensors in Distribution Grids. IEEE Transactions on Power Systems, 2018, 33, 3611-3623.	6.5	94
27	Flowzilla: A Methodology for Detecting Data Transfer Anomalies in Research Networks. , 2018, , .		7
28	Low-Resolution Fault Localization Using Phasor Measurement Units with Community Detection. , 2018, , .		10
29	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
30	Iterative Analysis to Improve Key Properties of Critical Human-Intensive Processes. ACM Transactions on Privacy and Security, 2017, 20, 1-31.	3.0	7
31	Big Data and Analysis of Data Transfers for International Research Networks Using NetSage. , 2017, , .		2
32	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
33	Integrated multi-scale data analytics and machine learning for the distribution grid. , 2017, , .		0
34	Online Thevenin parameter tracking using synchrophasor data. , 2017, , .		4
35	ASLR: How Robust Is the Randomness?. , 2017, , .		7
36	A Model of Owner Controlled, Full-Provenance, Non-Persistent, High-Availability Information Sharing. , 2017, , .		0

#	ARTICLE	IF	CITATIONS
37	Security in high-performance computing environments. Communications of the ACM, 2017, 60, 72-80.	4.5	24
38	Automated Anomaly Detection in Distribution Grids Using uPMU Measurements. , 2017, , .		7
39	Micro Synchrophasor-Based Intrusion Detection in Automated Distribution Systems: Toward Critical Infrastructure Security. IEEE Internet Computing, 2016, 20, 18-27.	3.3	36
40	The Medical Science DMZ. Journal of the American Medical Informatics Association: JAMIA, 2016, 23, 1199-1201.	4.4	11
41	Techniques for the dynamic randomization of network attributes. , 2015, , .		20
42	Automated Mechanical Ventilator Waveform Analysis of Patient-Ventilator Asynchrony. Chest, 2015, 148, 175A.	0.8	1
43	A Real-Time Testbed Environment for Cyber-Physical Security on the Power Grid. , 2015, , .		20
44	hBFT: Speculative Byzantine Fault Tolerance with Minimum Cost. IEEE Transactions on Dependable and Secure Computing, 2015, 12, 58-70.	5.4	31
45	Towards a Self-Adaptive Middleware for Building Reliable Publish/Subscribe Systems. Lecture Notes in Computer Science, 2015, , 157-168.	1.3	0
46	ByzID: Byzantine Fault Tolerance from Intrusion Detection. , 2014, , .		14
47	Monitoring Security of Networked Control Systems: It's the Physics. IEEE Security and Privacy, 2014, 12, 32-39.	1.2	17
48	P2S. , 2014, , .		6
49	Control Systems Security from the Front Lines. IEEE Security and Privacy, 2014, 12, 55-58.	1.2	3
50	Closing the Gap on Securing Energy Sector Control Systems [Guest editors' introduction]. IEEE Security and Privacy, 2014, 12, 13-14.	1.2	0
51	The IEEE Symposium on Security and Privacy, in Retrospect. IEEE Security and Privacy, 2014, 12, 15-17.	1.2	18
52	Insider Threat Identification by Process Analysis. , 2014, , .		27
53	Designed-in Security for Cyber-Physical Systems. IEEE Security and Privacy, 2014, 12, 9-12.	1.2	22
54	A hybrid network IDS for protective digital relays in the power transmission grid. , 2014, , .		22

#	ARTICLE	IF	CITATIONS
55	Hybrid Control Network Intrusion Detection Systems for Automated Power Distribution Systems. , 2014, , .		33
56	BChain: Byzantine Replication with High Throughput and Embedded Reconfiguration. Lecture Notes in Computer Science, 2014, , 91-106.	1.3	36
57	Multiclass classification of distributed memory parallel computations. Pattern Recognition Letters, 2013, 34, 322-329.	4.2	8
58	Principles of authentication. , 2013, , .		9
59	Security and Elections. IEEE Security and Privacy, 2012, 10, 64-67.	1.2	1
60	Network-theoretic classification of parallel computation patterns. International Journal of High Performance Computing Applications, 2012, 26, 159-169.	3.7	8
61	Reflections on the 30th Anniversary of the IEEE Symposium on Security and Privacy. , 2010, , .		4
62	Relationships and data sanitization. , 2010, , .		23
63	A Risk Management Approach to the "Insider Threat". Advances in Information Security, 2010, , 115-137.	1.2	17
64	Panel: Technical, Social and Legal Frameworks for Digital Forensics and CyberInfrastructure Security. , 2009, , .		0
65	Quis Custodiet ipsos Custodes?. , 2009, , .		4
66	Computer Forensics in Forensics. , 2008, , .		15
67	Computer forensics in forensics. Operating Systems Review (ACM), 2008, 42, 112-122.	1.9	23
68	We have met the enemy and he is us. , 2008, , .		52
69	I Am a Scientist, Not a Philosopher!. IEEE Security and Privacy, 2007, 5, 48-51.	1.2	5
70	Analysis of Computer Intrusions Using Sequences of Function Calls. IEEE Transactions on Dependable and Secure Computing, 2007, 4, 137-150.	5.4	41
71	Toward Models for Forensic Analysis. , 2007, , .		21
72	How to Design Computer Security Experiments. IFIP Advances in Information and Communication Technology, 2007, , 141-148.	0.7	24

#	ARTICLE	IF	CITATIONS
73	Principles-driven forensic analysis. , 2005, , .		19