Kurt R Rohloff

List of Publications by Year
in descending order

50 papers	706 citations	687220 13 h-index	752573 20 g-index
51 all docs	51 docs citations	51 times ranked	524 citing authors

#	Article	IF	Citations
1	High-performance, massively scalable distributed systems using the MapReduce software framework. , 2010, , .		116
2	Implementation and Performance Evaluation of RNS Variants of the BFV Homomorphic Encryption Scheme. IEEE Transactions on Emerging Topics in Computing, 2021, 9, 941-956.	3.2	50
3	Clause-iteration with MapReduce to scalably query datagraphs in the SHARD graph-store. , 2011, , .		49
4	Fast Proxy Re-Encryption for Publish/Subscribe Systems. ACM Transactions on Privacy and Security, 2017, 20, 1-31.	2.2	43
5	Implementation and Evaluation of a Lattice-Based Key-Policy ABE Scheme. IEEE Transactions on Information Forensics and Security, 2018, 13, 1169-1184.	4.5	43
6	Designing an FPGA-Accelerated Homomorphic Encryption Co-Processor. IEEE Transactions on Emerging Topics in Computing, 2017, 5, 193-206.	3.2	39
7	PICADOR: End-to-end encrypted Publishâ€“Subscribe information distribution with proxy re-encryption. Future Generation Computer Systems, 2017, 71, 177-191.	4.9	31
8	A Scalable Implementation of Fully Homomorphic Encryption Built on NTRU. Lecture Notes in Computer Science, 2014, , 221-234.	1.0	26
9	Approximating the Minimal Sensor Selection for Supervisory Control. Discrete Event Dynamic Systems: Theory and Applications, 2006, 16, 143-170.	0.6	23
10	The Verification and Control of Interacting Similar Discrete-Event Systems. SIAM Journal on Control and Optimization, 2006, 45, 634-667.	1.1	22
11	Practical Applications of Improved Gaussian Sampling for Trapdoor Lattices. IEEE Transactions on Computers, 2019, 68, 570-584.	2.4	20
12	An FPGA co-processor implementation of Homomorphic Encryption. , 2014, , .		19
13	Deterministic and stochastic models for the detection of random constant scanning worms. ACM Transactions on Modeling and Computer Simulation, 2008, 18, 1-24.	0.6	18
14	An update on SIPHER (Scalable Implementation of Primitives for Homomorphic EncRyption) — FPGA implementation using Simulink. , 2012, , .		18
15	RAMPARTS. , 2019, , .		17
16	On the synthesis of safe control policies in decentralized control of discrete-event systems. IEEE Transactions on Automatic Control, 2003, 48, 1064-1068.	3.6	15
17	PSPACE-completeness of Modular Supervisory Control Problems*. Discrete Event Dynamic Systems: Theory and Applications, 2005, 15, 145-167.	0.6	15
18	Deciding co-observability is pspace-complete. IEEE Transactions on Automatic Control, 2003, 48, 1995-1999.	3.6	13

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19	Bounded Sensor Failure Tolerant Supervisory Control. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 272-277.	0.4	12
20	Implementation and Evaluation of Improved Gaussian Sampling for Lattice Trapdoors. , 2018, , .		12
21	The detection of RCS worm epidemics. , 2005, , .		10
22	Implementing Conjunction Obfuscation Under Entropic Ring LWE. , 2018, , .		10
23	Approximating the minimal sensor selection for supervisory control. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2004, 37, 87-92.	0.4	9
24	Scalable, Distributed, Dynamic Resource Management for the ARMS Distributed Real-Time Embedded System. , 2007, , .		9
25	Scalable, Practical VoIP Teleconferencing With End-to-End Homomorphic Encryption. IEEE Transactions on Information Forensics and Security, 2017, 12, 1031-1041.	4.5	9
26	Supervisor Existence for Modular Discrete-Event Systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2003, 36, 205-210.	0.4	7
27	Computing with Data Privacy: Steps toward Realization. IEEE Security and Privacy, 2015, 13, 22-29.	1.5	7
28	Practical implementations of program obfuscators for point functions. , 2016, , .		7
29	APPROXIMATING MINIMAL COMMUNICATED EVENT SETS FOR DECENTRALIZED SUPERVISORY CONTROL. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2005, 38, 151-156.	0.4	6
30	An end-to-end security architecture to collect, process and share wearable medical device data. , 2015, , .		6
31	Accelerating Lattice Based Proxy Re-encryption Schemes on GPUs. Lecture Notes in Computer Science, 2020, , 613-632.	1.0	4
32	Quality measures for embedded systems and their application to control and certification. ACM SIGBED Review, 2006, 3, 58-62.	1.8	3
33	Homomorphic Encryption for Privacy-Preserving Genome Sequences Search. , 2019, , .		3
34	High-Assurance Distributed, Adaptive Software for Dynamic Systems. , 2007, , .		2
35	An Ontology for Resource Sharing. , 2011, , .		2
36	Privacy-Preserving Data Exfiltration Monitoring Using Homomorphic Encryption. , 2015, , .		2

#	Article	IF	Citations
37	Workshop on Multimedia Privacy and Security. , 2017, , .		2
38	Intrusion-Resilient Classifier Approximation: From Wildcard Matching to Range Membership. , 2018, , .		2
39	LID-Fingerprint: A Local Intrinsic Dimensionality-Based Fingerprinting Method. Lecture Notes in Computer Science, 2018, , 134-147.	1.0	2
40	Managed Mission Assurance - Concept, Methodology and Runtime Support. , 2010, , .		1
41	Securely Sharing Encrypted Medical Information. , 2016, , .		1
42	Secure Proxy-Reencryption-Based Inter-Network Key Exchange. , 2018, , .		1
43	Software Certification for Distributed, Adaptable Medical Systems: Position Paper on Challenges and Paths Forward. , 2007, , .		0
44	A Survey of Security Concepts for Common Operating Environments. , 2011, , .		0
45	SCIMITAR: Scalable Stream-Processing for Sensor Information Brokering. , 2013, , .		0
46	Secure access delegation of encrypted medical information. , 2016, , .		0
47	WAHC'18. , 2018, , .		0
48	Encrypted-Input Obfuscation of Image Classifiers. Lecture Notes in Computer Science, 2021, , 136-156.	1.0	0
49	WAHC'19. , 2019, , .		0
50	Securing Classifiers Against Both White-Box and Black-Box Attacks using Encrypted-Input Obfuscation. , 2020, , .		0