Lei Xu

List of Publications by Year
in descending order

56	824	1162889	887953
papers	citations	8	17
		h-index	g-index

57	57	57	777
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	On Security Analysis of Proof-of-Elapsed-Time (PoET). Lecture Notes in Computer Science, 2017, , 282-297.	1.0	159
2	CL-PRE. , 2012, , .		87
3	CoC: A Unified Distributed Ledger Based Supply Chain Management System. Journal of Computer Science and Technology, 2018, 33, 237-248.	0.9	73
4	Enabling the Sharing Economy. , 2017, , .		60
5	eGov-DAO: a Better Government using Blockchain based Decentralized Autonomous Organization. , 2018, , .		46
6	Blockchain-based Identity Management with Mobile Device. , 2018, , .		37
7	Binding the Physical and Cyber Worlds: A Blockchain Approach for Cargo Supply Chain Security Enhancement. , 2018, , .		30
8	CoC: Secure Supply Chain Management System Based on Public Ledger. , 2017, , .		26
9	DIoTA: Decentralized-Ledger-Based Framework for Data Authenticity Protection in IoT Systems. IEEE Network, 2020, 34, 38-46.	4.9	25
10	Supporting Blockchain-Based Cryptocurrency Mobile Payment With Smart Devices. IEEE Consumer Electronics Magazine, 2020, 9, 26-33.	2.3	22
11	PFC: Privacy Preserving FPGA Cloud - A Case Study of MapReduce. , 2014, , .		21
12	Scalable Blockchain Based Smart Contract Execution. , 2017, , .		19
13	Protecting Early Stage Proof-of-Work Based Public Blockchain. , 2018, , .		16
14	FASTEN: An FPGA-Based Secure System for Big Data Processing. IEEE Design and Test, 2018, 35, 30-38.	1.1	14
15	Unraveling Blockchain based Crypto-currency System Supporting Oblivious Transactions. , 2017, , .		11
16	Decentralized Execution of Smart Contracts: Agent Model Perspective and Its Implications. Lecture Notes in Computer Science, 2017, , 468-477.	1.0	11
17	Proving Conditional Termination for Smart Contracts. , 2018, , .		11
18	DL-BAC. , 2017, , .		9

#	Article	IF	Citations
19	Evaluating coherence-exploiting hardware Trojan. , 2017, , .		9
20	EPBC. , 2017, , .		9
21	Architectural Protection of Application Privacy against Software and Physical Attacks in Untrusted Cloud Environment. IEEE Transactions on Cloud Computing, 2018, 6, 478-491.	3.1	9
22	A Secure and Flexible FPGA-Based Blockchain System for the IIoT. Computer, 2021, 54, 50-59.	1.2	9
23	Privacy preserving large scale DNA read-mapping in MapReduce framework using FPGAs. , 2014, , .		8
24	DAcc: Decentralized Ledger based Access Control for Enterprise Applications. , 2019, , .		8
25	Security Theories and Practices for Big Data. , 2016, , 157-192.		7
26	Secure Session on Mobile: An Exploration on Combining Biometric, TrustZone, and User Behavior. , 2014, , .		6
27	Reshaping the Landscape of the Future: Software-Defined Manufacturing. Computer, 2021, 54, 27-36.	1.2	6
28	FPGA Based Blockchain System for Industrial IoT. , 2020, , .		6
29	Refinement of Miller's Algorithm Over Edwards Curves. Lecture Notes in Computer Science, 2010, , 106-118.	1.0	5
30	Integrity Protection for Big Data Processing with Dynamic Redundancy Computation. , 2015, , .		5
31	Tyranny of the Majority: On the (Im)possibility of Correctness of Smart Contracts. IEEE Security and Privacy, 2018, 16, 30-37.	1.5	5
32	ABSS. , 2015, , .		4
33	Nanoscale cryptography: opportunities and challenges. Nano Convergence, 2015, 2, 21.	6.3	4
34	SafeDB: Spark Acceleration on FPGA Clouds with Enclaved Data Processing and Bitstream Protection. , 2019, , .		4
35	Hub. , 2013, , .		3
36	Fault resilient physical neural networks on a single chip. , 2014, , .		3

#	Article	IF	Citations
37	MapReduce for Elliptic Curve Discrete Logarithm Problem. , 2016, , .		3
38	Blockchainâ€based access control for enterprise blockchain applications. International Journal of Network Management, 2020, 30, e2089.	1.4	3
39	The Game Among Bribers in a Smart Contract System. Lecture Notes in Computer Science, 2019, , 294-307.	1.0	3
40	KCRS: A Blockchain-Based Key Compromise Resilient Signature System. Communications in Computer and Information Science, 2020, , 226-239.	0.4	3
41	Election with Bribe-Effect Uncertainty: A Dichotomy Result. , 2019, , .		3
42	Seasoning effect based side channel attacks to AES implementation with phase change memory. , 2014, , .		2
43	Mobile user identity sensing using the motion sensor. Proceedings of SPIE, 2014, , .	0.8	1
44	Removing the Root of Trust: Secure Oblivious Key Establishment for FPGAs. , 2014, , .		1
45	Enhancing Software Dependability and Security with Hardware Supported Instruction Address Space Randomization. , 2015, , .		1
46	Another Look at Secure Big Data Processing: Formal Framework and a Potential Approach. , 2015, , .		1
47	FPGALedger: FPGA based Decentralized Ledger for Enterprise Applications. , 2019, , .		1
48	Cross Chain Bribery Contracts: Majority vs Mighty Minority. Communications in Computer and Information Science, 2019, , 121-133.	0.4	1
49	PrivateEx. , 2020, , .		1
50	DL-DP. , 2020, , .		1
51	LUT based secure cloud computing — An implementation using FPGAs. , 2014, , .		0
52	NES++: Number system for encryption based privacy preserving speaker verification. , 2014, , .		0
53	Computational complexity characterization of protecting elections from bribery. Theoretical Computer Science, 2021, 891, 189-189.	0.5	0
54	Blockchain Based End-to-End Tracking System for Distributed IoT Intelligence Application Security Enhancement. , 2020, , .		0

#	Article	IF	Citations
55	Computational Complexity Characterization of Protecting Elections from Bribery. Lecture Notes in Computer Science, 2020, , 85-97.	1.0	0
56	New Gold Mine: Harvesting IoT Data Through DeFi in a Secure Manner. Lecture Notes in Computer Science, 2022, , 43-58.	1.0	0