

Studies evaluated for the systematic literature review (SLR)

#	Title	Author(s)	Year	Source
1	Solidus: Confidential Distributed Ledger Transactions via PVORM	E. Cecchetti et al.	2017	ACM
2	Security Implications of Blockchain Cloud with Analysis of Block Withholding Attack	D. Tosh et al.	2017	ACM
3	BLOCKBENCH: A Framework for Analyzing Private Blockchains	T. Dinh et al.	2017	ACM
4	Hyperledger Fabric: A Distributed Operating System for Permissioned Blockchains	E. Androulaki et al.	2018	ACM
5	Blockchain and Big Data to Transform the Healthcare	Z. Bhuiyan et al.	2018	ACM
6	Enabling the Sharing Economy: Privacy Respecting Contract based on Public Blockchain	L. Xu et al.	2017	ACM
7	SHARVOT: secret SHARe-based VOTing on the blockchain	S. Bartolucci et al.	2018	ACM
8	Bringing secure Bitcoin transactions to your smartphone	D. Frey et al.	2016	ACM
9	Blockchain-based Identity Management with Mobile Device	Z. Gao et al.	2018	ACM
10	Fruitchains: A fair blockchain	R. Pass et al.	2017	ACM
11	A novel blockchain-based authenticated key exchange protocol and its applications	H. Yao et al.	2018	IEEE
12	ChainGuard-A firewall for blockchain applications using SDN with OpenFlow	M. Steichen et al.	2017	IEEE
13	Introducing blockchains for healthcare	Z. Alhadhrami et al.	2017	IEEE
14	BlockChain: A Distributed Solution to Automotive Security and Privacy	A. Dorri et al.	2017	IEEE
15	An Anti-Quantum Transaction Authentication Approach in Blockchain	W. Yin et al.	2018	IEEE
16	Blockchain for smart grid resilience: Exchanging distributed energy at speed, scale and security	M. Mylrea et al.	2017	IEEE
17	From Bitcoin to cybersecurity: A comparative study of blockchain application and security issues	F. Dai et al.	2017	IEEE
18	Blockchain for government services — Use cases, security benefits and challenges	A. Alketbi et al.	2018	IEEE
19	A Privacy-Preserving Voting Protocol on Blockchain	W. Zhang et al.	2018	IEEE
20	Enhancing Breeder Document Long-Term Security Using Blockchain Technology	N. Buchmann et al.	2017	IEEE
21	ReGuard: Finding reentrancy bugs in smart contracts	C. Liu et al.	2018	IEEE
22	SmartCheck: Static Analysis of Ethereum Smart Contracts	S. Tikhomirov et al.	2018	IEEE
23	Security and Privacy of Connected Vehicular Cloud Computing	H. Li et al.	2018	IEEE
24	Blockchain based secure communication application proposal: Cryptouch	R. Saritekin et al.	2018	IEEE
25	Towards an Optimized BlockChain for IoT	A. Dorri et al.	2017	IEEE
26	Poster: Towards fully distributed user authentication with blockchain	L. Zhang et al.	2017	IEEE
27	A Secure Cryptocurrency Scheme Based on Post-Quantum Blockchain	Y. Gao et al.	2018	IEEE
28	EPoW: Solving blockchain problems economically	C. Hsueh et al.	2017	IEEE

29	Employability of blockchain technology in defence applications	A. Sudhan et al.	2017	IEEE
30	Blockchain-Based Government Information Resource Sharing	L. Wang et al.	2017	IEEE
31	A Blockchain Connected Gateway for BLE-Based Devices in the Internet of Things	S. Cha et al.	2017	IEEE
32	Bitcoin Block Withholding Attack: Analysis and Mitigation	S. Bag et al.	2016	IEEE
33	Blockchain for digital rights management	Z. Ma et al.	2018	Science direct
34	Controllable and trustworthy blockchain-based cloud data management	L. Zhu et al.	2018	Science direct
35	Block-secure: Blockchain based scheme for secure P2P cloud storage	J. Li et al.	2018	Science direct
36	Renovating blockchain with distributed databases: An open source system	M. Muzammal et al.	2018	Science direct
37	Branch Based Blockchain Technology in Intelligent Vehicle	M. Singh et al.	2018	Science direct
38	BSeIn: A blockchain-based secure mutual authentication with fine-grained access control system for industry 4.0	C. Lin et al.	2018	Science direct
39	Ancile: Privacy-preserving framework for access control and interoperability of electronic health records using blockchain technology	G. Dagher et al.	2018	Science direct
40	A Secure and Practical Signature Scheme for Blockchain Based on Biometrics	Y. Kaga et al.	2017	Springer link
41	ShadowEth: Private Smart Contract on Public Blockchain	Rui et al.	2018	Springer link
42	MediBchain: A Blockchain Based Privacy Preserving Platform for Healthcare Data	A. Omar et al.	2017	Springer link
43	VideoChain: Trusted Video Surveillance Based on Blockchain for Campus	Mingda et al.	2018	Springer link
44	Blockchain-based mobile fingerprint verification and automatic log-in platform for future computing	J. Huh et al.	2018	Springer link
45	A Blockchain-Based Architecture for Collaborative DDoS Mitigation with Smart Contracts	B. Rodrigues et al.	2017	Springer link
46	An Architecture of Secure Health Information Storage System Based on Blockchain Technology	Huirui et al.	2018	Springer link
47	Towards Secure and Privacy-Preserving Data Sharing in e-Health Systems via Consortium Blockchain	Aiqing et al.	2018	Springer link
48	Platform-Independent Secure Blockchain-Based Voting System	Bin et al.	2018	Springer link
49	RPchain: A Blockchain-Based Academic Social Networking Service for Credible Reputation Building	Dong et al.	2018	Springer link
50	Blockchain-Based Data Preservation System for Medical Data	Hongyu et al.	2018	Springer link
51	A Blockchain Application for Medical Information Sharing	Jieying et al.	2018	Scopus
52	A blockchain-based authorization system for trustworthy resource monitoring and trading in smart communities	Ramon et al.	2018	Scopus
53	A Medical Information Service Platform Based on Distributed Cloud and Blockchain	Yiwen et al.	2018	Scopus
54	A medical records managing and securing blockchain based system supported by a Genetic Algorithm and Discrete Wavelet Transform	F. Ahmed et al.	2018	Scopus

55	A secure versatile light payment system based on blockchain	L. Zhong et al.	2018	Scopus
56	BlockSee: Blockchain for IoT video surveillance in smart cities Thailand Suporn Pongnumkul NECTEC	Pierluigi et al.	2018	Scopus
57	Blockchain-based Secure Time Protection Scheme in IoT	Kai et al.	2018	Scopus
58	Secure, Decentralized Energy Resource Management Using the Ethereum Blockchain	C. Decusatis et al.	2018	Scopus
59	BeeKeeper 2.0: Confidential blockchain-enabled IoT system with fully homomorphic computation	Lijing et al.	2018	Scopus
60	Block4Forensic: An Integrated Lightweight Blockchain Framework for Forensics Applications of Connected Vehicles	Mumin et al.	2018	Scopus
61	Key exchange with the help of a public ledger	Thanh et al.	2017	Scopus
62	Blockchain technology for detecting falsified and substandard drugs in distribution: Pharmaceutical supply chain intervention	Patrick et al.	2018	Scopus
63	Blockchain-Based E-Voting System	F. Hjalmarsson et al.	2018	Scopus
64	Decentralized transaction mechanism based on smart contract in distributed data storage	Y. Gu et al.	2018	Scopus
65	Decentralizing the Stock Exchange using Blockchain An Ethereum-based implementation of the Bucharest Stock Exchange	Claudia et al.	2018	Scopus
66	EPBC: Efficient Public Blockchain Client for Lightweight Users	L. Xu et al.	2017	Scopus
67	Security in networks of unmanned aerial vehicles for surveillance with an agent-based approach inspired by the principles of a blockchain	I. García-Magariño et al.	2018	Scopus
68	Smart contract-based review system for an IoT data marketplace	J. Sun et al.	2018	Scopus