## Applications of Blockchains in the Internet of Things: A

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Citation Report

#	Article	IF	CITATIONS
1	Enabling a Blockchain-Based IoT Edge. IEEE Internet of Things Magazine, 2018, 1, 24-29.	2.0	15
2	Big Data Issues in Smart Grids: A Survey. IEEE Systems Journal, 2019, 13, 4158-4168.	2.9	79
3	Technical Issues on Cognitive Radio-Based Internet of Things Systems: A Survey. IEEE Access, 2019, 7, 97887-97908.	2.6	124
4	Blockchain-Based Secure Device Management Framework for an Internet of Things Network in a Smart City. Sustainability, 2019, 11, 3889.	1.6	32
5	Privacy-Preserving Solutions for Blockchain: Review and Challenges. IEEE Access, 2019, 7, 164908-164940.	2.6	211
6	Blockchain in Smart Grids: A Review on Different Use Cases. Sensors, 2019, 19, 4862.	2.1	184
7	Blockchainâ€based security aspects in heterogeneous Internetâ€ofâ€Things networks: A survey. Transactions on Emerging Telecommunications Technologies, 2019, 30, e3741.	2.6	51
8	Estimating Service Quality in Industrial Internet-of-Things Monitoring Applications With Blockchain. IEEE Access, 2019, 7, 155489-155503.	2.6	21
9	Interledger Approaches. IEEE Access, 2019, 7, 89948-89966.	2.6	59
10	Enhancing IoT Data Dependability through a Blockchain Mirror Model. Future Internet, 2019, 11, 117.	2.4	16
11	DL-Tags: DLT and Smart Tags for Decentralized, Privacy-Preserving, and Verifiable Supply Chain Management. IEEE Access, 2019, 7, 46198-46209.	2.6	50
12	Blockchain for Internet of Things: A Survey. IEEE Internet of Things Journal, 2019, 6, 8076-8094.	5.5	769
13	A Survey on Blockchain: A Game Theoretical Perspective. IEEE Access, 2019, 7, 47615-47643.	2.6	112
14	Delay and Communication Tradeoffs for Blockchain Systems With Lightweight IoT Clients. IEEE Internet of Things Journal, 2019, 6, 2354-2365.	5.5	90
15	A Survey and Evaluation of the Potentials of Distributed Ledger Technology for Peer-to-Peer Transactive Energy Exchanges in Local Energy Markets. IEEE Systems Journal, 2019, 13, 3454-3466.	2.9	277
16	Privacy preservation in blockchain based IoT systems: Integration issues, prospects, challenges, and future research directions. Future Generation Computer Systems, 2019, 97, 512-529.	4.9	370
17	Software Defined Networks-Based Smart Grid Communication: A Comprehensive Survey. IEEE Communications Surveys and Tutorials, 2019, 21, 2637-2670.	24.8	141
18	A Lightweight Blockchain Based Framework for Underwater IoT. Electronics (Switzerland), 2019, 8, 1552.	1.8	44

TION RE

		15	<b>6</b>
#	ARTICLE	IF	CITATIONS
19	Blockchain for Internet of Things: Architecture, Consensus Advancements, Challenges and Application Areas. , 2019, , .		7
20	A Secure and Fault-Tolerant Architecture for LoRaWAN Based on Blockchain. , 2019, , .		2
21	A Novel Two-Layer Decentralized Ledger Architecture for Internet of Things. , 2019, , .		1
22	Ethereum Blockchain for Securing the Internet of Things: Practical Implementation and Performance Evaluation. , 2019, , .		5
23	A Blockchain Based Decentralized Authentication Framework for Resource Constrained IOT devices. , 2019, , .		14
24	Trustworthy Management in Decentralized IoT Application using Blockchain. , 2019, , .		13
25	Promoting Sustainable Agricultural Practices Through Incentives. , 2019, , .		5
26	Smart Contract-Based Data Commodity Transactions for Industrial Internet of Things. IEEE Access, 2019, 7, 180856-180866.	2.6	25
27	Blockchain Applications for Industry 4.0 and Industrial IoT: A Review. IEEE Access, 2019, 7, 176935-176951.	2.6	246
28	Blockchain Technologies for Smart Energy Systems: Fundamentals, Challenges, and Solutions. IEEE Industrial Electronics Magazine, 2019, 13, 106-118.	2.3	107
29	A Novel Trust Evaluation Process for Secure Localization Using a Decentralized Blockchain in Wireless Sensor Networks. IEEE Access, 2019, 7, 184133-184144.	2.6	64
30	False Image Injection Prevention Using iChain. Applied Sciences (Switzerland), 2019, 9, 4328.	1.3	12
31	Blockchain-Based Secure Spectrum Trading for Unmanned-Aerial-Vehicle-Assisted Cellular Networks: An Operator's Perspective. IEEE Internet of Things Journal, 2020, 7, 451-466.	5.5	127
32	An Efficient and Compacted DAG-Based Blockchain Protocol for Industrial Internet of Things. IEEE Transactions on Industrial Informatics, 2020, 16, 4134-4145.	7.2	66
33	A Comprehensive Survey on Attacks, Security Issues and Blockchain Solutions for IoT and IIoT. Journal of Network and Computer Applications, 2020, 149, 102481.	5.8	497
34	Trust in Blockchain Cryptocurrency Ecosystem. IEEE Transactions on Engineering Management, 2020, 67, 1196-1212.	2.4	67
35	PoBT: A Lightweight Consensus Algorithm for Scalable IoT Business Blockchain. IEEE Internet of Things Journal, 2020, 7, 2343-2355.	5.5	130
36	A Blockchain Based Solution for Medication Anti-Counterfeiting and Traceability. IEEE Access, 2020, 8, 184256-184272.	2.6	49

#	Article	IF	CITATIONS
37	Detecting false data attacks using machine learning techniques in smart grid: A survey. Journal of Network and Computer Applications, 2020, 170, 102808.	5.8	86
38	Blockchain for Internet of things applications: A review and open issues. Journal of Network and Computer Applications, 2020, 172, 102839.	5.8	44
39	Collective Remote Attestation at the Internet of Things Scale: State-of-the-Art and Future Challenges. IEEE Communications Surveys and Tutorials, 2020, 22, 2447-2461.	24.8	35
40	Towards a Scalable IOTA Tangle-Based Distributed Intelligence Approach for the Internet of Things. Advances in Intelligent Systems and Computing, 2020, , 487-501.	0.5	8
41	How Can Blockchain Technology Accelerate Energy Efficiency Interventions? A Use Case Comparison. Energies, 2020, 13, 5869.	1.6	23
42	Knowledge diffusion paths of blockchain domain: the main path analysis. Scientometrics, 2020, 125, 471-497.	1.6	61
43	Rationale and Practical Assessment of a Fully Distributed Blockchain-based Marketplace of Fog/Edge Computing Resources. , 2020, , .		3
44	Fog computing systems: State of the art, research issues and future trends, with a focus on resilience. Journal of Network and Computer Applications, 2020, 169, 102784.	5.8	35
45	6G Wireless Systems: A Vision, Architectural Elements, and Future Directions. IEEE Access, 2020, 8, 147029-147044.	2.6	193
46	Towards Trusted Data on Decentralized IoT Applications: Integrating Blockchain in Constrained Devices. , 2020, , .		13
47	Age of Information Driven Cache Content Update Scheduling for Dynamic Contents in Heterogeneous Networks. IEEE Transactions on Wireless Communications, 2020, 19, 8427-8441.	6.1	31
48	Exploiting constrained IoT devices in a trustless blockchain-based water management system. , 2020, , .		18
49	Pay-per-use Sensor Data Exchange between IoT Devices by Blockchain and Smart Contract based Data and Encryption Key Management. , 2020, , .		4
50	How Blockchain Enhances Supply Chain Management: A Survey. IEEE Open Journal of the Computer Society, 2020, 1, 230-249.	5.2	29
51	On Threat Analysis of IoT-Based Systems: A Survey. , 2020, , .		9
52	A framework for data security, privacy, and trust in "consumer internet of things―assemblages in South Africa. Security and Privacy, 2020, 3, e122.	1.9	2
53	A Blockchain-based security model for SDNs. , 2020, , .		8
54	Context-based Smart Contracts For Appendable-block Blockchains. , 2020, , .		6

	CITATION	CITATION REPORT	
#	ARTICLE Blockchain for Vehicular Internet of Things: Recent Advances and Open Issues, Sensors, 2020, 20, 5079.	IF 2.1	CITATIONS
56	Integration of Blockchain and Cloud of Things: Architecture, Applications and Challenges. IEEE Communications Surveys and Tutorials, 2020, 22, 2521-2549.	24.8	117
57	Edge Computing and Its Convergence With Blockchain in 5G and Beyond: Security, Challenges, and Opportunities. IEEE Access, 2020, 8, 205340-205373.	2.6	30
58	Preserving Privacy in Mobile Health Systems Using Non-Interactive Zero-Knowledge Proof and Blockchain. IEEE Access, 2020, 8, 204441-204458.	2.6	41
59	Research on Multidomain Authentication of IoT Based on Cross-Chain Technology. Security and Communication Networks, 2020, 2020, 1-12.	1.0	8
61	Blockchain Secured "Smart Buildings―as Cyber Physical Systems. Communications in Computer and Information Science, 2020, , 35-53.	0.4	0
62	Blockchain for 5G and beyond networks: A state of the art survey. Journal of Network and Computer Applications, 2020, 166, 102693.	5.8	239
63	Automatic Modulation Classification Using Gated Recurrent Residual Network. IEEE Internet of Things Journal, 2020, 7, 7795-7807.	5.5	66
64	Communication Aspects of the Integration of Wireless IoT Devices with Distributed Ledger Technology. IEEE Network, 2020, 34, 47-53.	4.9	26
65	Differential privacy in blockchain technology: A futuristic approach. Journal of Parallel and Distributed Computing, 2020, 145, 50-74.	2.7	58
66	A Review on Application of Blockchain in 5G and Beyond Networks: Taxonomy, Field-Trials, Challenges and Opportunities. IEEE Access, 2020, 8, 115876-115904.	2.6	58
67	Blockchain-based security attack resilience schemes for autonomous vehicles in industry 4.0: A systematic review. Computers and Electrical Engineering, 2020, 86, 106717.	3.0	122
68	Safe farming as a service of blockchain-based supply chain management for improved transparency. Cluster Computing, 2020, 23, 2139-2150.	3.5	54
69	Blockchain Integration With Low-Power Internet of Things Devices. , 2020, , 183-211.		0
70	A Decentralized Peer-to-Peer Remote Health Monitoring System. Sensors, 2020, 20, 1656.	2.1	44
71	Investigating Smart Home Security: Is Blockchain the Answer?. IEEE Access, 2020, 8, 117802-117816.	2.6	55
72	Service architecture of IoT terminal connection based on blockchain identity authentication system. Computer Communications, 2020, 160, 411-422.	3.1	24
73	Enhancing Key Management in LoRaWAN with Permissioned Blockchain. Sensors, 2020, 20, 3068.	2.1	30

		REPORT	
#	Article	IF	CITATIONS
74	Intuitive Development to Examine Collaborative IoT Supply Chain System Underlying Privacy and Security Levels and Perspective Powering through Proactive Blockchain. Sensors, 2020, 20, 3760.	2.1	22
75	Blockchain for Video Streaming: Opportunities, Challenges, and Open Issues. Computer, 2020, 53, 45-56.	1.2	13
76	Blockchain and Machine Learning for Communications and Networking Systems. IEEE Communications Surveys and Tutorials, 2020, 22, 1392-1431.	24.8	167
77	SENATE: A Permissionless Byzantine Consensus Protocol in Wireless Networks for Real-Time Internet-of-Things Applications. IEEE Internet of Things Journal, 2020, 7, 6576-6588.	5.5	11
78	Exploring the Attack Surface of Blockchain: A Comprehensive Survey. IEEE Communications Surveys and Tutorials, 2020, 22, 1977-2008.	24.8	161
79	Electronic Payment Schemes Based on Blockchain in VANETs. IEEE Access, 2020, 8, 38296-38303.	2.6	27
80	Blockchain-Based Distributed Trust and Reputation Management Systems: A Survey. IEEE Access, 2020, 8, 21127-21151.	2.6	111
81	Smart Contract Privacy Protection Using AI in Cyber-Physical Systems: Tools, Techniques and Challenges. IEEE Access, 2020, 8, 24746-24772.	2.6	155
82	Securing Smart Cities through Blockchain Technology: Architecture, Requirements, and Challenges. IEEE Network, 2020, 34, 8-14.	4.9	141
83	Application of Blockchain and IoT towards Pharmaceutical Industry. , 2020, , .		13
84	Blockchain Meets Cloud Computing: A Survey. IEEE Communications Surveys and Tutorials, 2020, 22, 2009-2030.	24.8	199
85	Blockchain Solutions for Security Threats in Smart Industries. , 2020, , .		2
86	Blockchain: Can It Be Trusted?. Computer, 2020, 53, 31-35.	1.2	19
87	BLWN: Blockchain-Based Lightweight Simplified Payment Verification in IoT-Assisted e-Healthcare. IEEE Systems Journal, 2021, 15, 134-145.	2.9	34
88	Blockchain for Cybersecurity in Smart Grid: A Comprehensive Survey. IEEE Transactions on Industrial Informatics, 2021, 17, 3-19.	7.2	109
89	A taxonomy of blockchain envisioned edgeâ€asâ€aâ€connected autonomous vehicles. Transactions on Emerging Telecommunications Technologies, 2021, 32, e4009.	2.6	56
90	SDN-based cyber defense: A survey. Future Generation Computer Systems, 2021, 115, 126-149.	4.9	46
91	A Blockchain-Based Framework for IoT Data Monetization Services. Computer Journal, 2021, 64, 195-210.	1.5	13

#	Article	IF	Citations
92	Blockchain technology in IoT systems: current trends, methodology, problems, applications, and future directions. Journal of Reliable Intelligent Environments, 2021, 7, 115-143.	3.8	23
93	Privacy protection for fog computing and the internet of things data based on blockchain. Cluster Computing, 2021, 24, 1331-1345.	3.5	36
94	The fundamentals of Internet of Things: architectures, enabling technologies, and applications. , 2021, , 1-20.		7
95	Cost-effective IoT devices as trustworthy data sources for a blockchain-based water management system in precision agriculture. Computers and Electronics in Agriculture, 2021, 180, 105889.	3.7	60
96	Identification of Active Attacks in Internet of Things: Joint Model- and Data-Driven Automatic Modulation Classification Approach. IEEE Internet of Things Journal, 2021, 8, 2051-2065.	5.5	33
97	The Security Reference Architecture for Blockchains: Toward a Standardized Model for Studying Vulnerabilities, Threats, and Defenses. IEEE Communications Surveys and Tutorials, 2021, 23, 341-390.	24.8	35
98	The convergence of IoT and distributed ledger technologies (DLT): Opportunities, challenges, and solutions. Journal of Network and Computer Applications, 2021, 177, 102936.	5.8	92
99	Untangling blockchain technology: A survey on state of the art, security threats, privacy services, applications and future research directions. Computers and Electrical Engineering, 2021, 90, 106897.	3.0	116
100	Social Interaction and Information Diffusion in Social Internet of Things: Dynamics, Cloud-Edge, Traceability. IEEE Internet of Things Journal, 2021, 8, 2177-2192.	5.5	27
101	Toward Smart Logistics: Engineering Insights and Emerging Trends. Archives of Computational Methods in Engineering, 2021, 28, 3183-3210.	6.0	31
102	Integration of Internet of Things and blockchain toward portability and lowâ€energy consumption. Transactions on Emerging Telecommunications Technologies, 2021, 32, e4103.	2.6	13
103	Emerging Trends using Blockchain and Big Data. SSRN Electronic Journal, 0, , .	0.4	0
104	The Performance Evaluation of Blockchain-Based Security and Privacy Systems for the Internet of Things: A Tutorial. IEEE Internet of Things Journal, 2021, 8, 17236-17260.	5.5	111
105	Profit Maximizing Smart Manufacturing Over Al-Enabled Configurable Blockchains. IEEE Internet of Things Journal, 2022, 9, 346-358.	5.5	10
106	Asset Security in Data of Internet of Things Using Blockchain Technology. Algorithms for Intelligent Systems, 2021, , 269-281.	0.5	3
107	Comprehensive Study on Incorporation of Blockchain Technology With IoT Enterprises. Advances in Data Mining and Database Management Book Series, 2021, , 22-33.	0.4	2
108	A Blockchain Based Cloud Integrated IoT Architecture Using a Hybrid Design. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2021, , 550-559.	0.2	11
109	A Novel Access Control Method Via Smart Contracts for Internet-Based Service Provisioning. IEEE Access, 2021, 9, 81253-81273.	2.6	17

#	Article	IF	CITATIONS
110	A Study-Based Review on Blockchain Technology for IoT. Advances in Intelligent Systems and Computing, 2021, , 901-911.	0.5	7
111	Blockchain and IoT Based Textile Manufacturing Traceability System inÂIndustry 4.0. Lecture Notes in Computer Science, 2021, , 331-344.	1.0	5
112	Multi-Channel Blockchain Scheme for Internet of Vehicles. IEEE Open Journal of the Computer Society, 2021, 2, 192-203.	5.2	19
113	A Proof-of-Transactions Blockchain Consensus Protocol for Large-Scale IoT. IEEE Internet of Things Journal, 2022, 9, 7931-7943.	5.5	10
115	Demystifying Blockchain Technology for Resource-Constrained IoT Devices: Parameters, Challenges and Future Perspective. IEEE Access, 2021, 9, 129264-129277.	2.6	4
116	AgriFusion: An Architecture for IoT and Emerging Technologies Based on a Precision Agriculture Survey. IEEE Access, 2021, 9, 136253-136283.	2.6	55
117	Sooner Lightweight Cryptosystem: Towards Privacy Preservation of Resource-Constrained Devices. Communications in Computer and Information Science, 2021, , 415-429.	0.4	1
118	Benchmarking Blockchain Interactions inÂMobile Edge Cloud Software Systems. Lecture Notes in Computer Science, 2021, , 213-231.	1.0	2
119	Hyperledger Fabric Blockchain for Securing the Edge Internet of Things. Sensors, 2021, 21, 359.	2.1	55
120	Comparative Research on Blockchain Consensus Algorithms Applied in the Internet of Things. Lecture Notes on Data Engineering and Communications Technologies, 2021, , 34-41.	0.5	0
121	HIDRA: A Distributed Blockchain-Based Architecture for Fog/Edge Computing Environments. IEEE Access, 2021, 9, 75231-75251.	2.6	17
122	Blockchain-as-a-Utility for Next-Generation Healthcare Internet of Things. Computers, Materials and Continua, 2021, 68, 359-376.	1.5	10
123	Fusion of Blockchain Technology with 5G: A Symmetric Beginning. , 2021, , 61-81.		2
124	Implementation of Blockchain Based Distributed Architecture for Enhancing Security and Privacy in Peer-To-Peer Networks. Communications in Computer and Information Science, 2021, , 94-105.	0.4	0
125	Distributed Ledger Technologies in Supply Chain Security Management: A Comprehensive Survey. IEEE Transactions on Engineering Management, 2023, 70, 713-739.	2.4	32
126	Towards a Secured Blockchain-based Smart Grid. , 2021, , .		7
127	ChainSensing: A Novel Mobile Crowdsensing Framework With Blockchain. IEEE Internet of Things Journal, 2022, 9, 2999-3010.	5.5	9
128	A Novel Covert Communication Method Based on Bitcoin Transaction. IEEE Transactions on Industrial Informatics, 2022, 18, 2830-2839.	7.2	14

#	Article	IF	CITATIONS
129	lloT Data Sharing Based on Blockchain: A Multileader Multifollower Stackelberg Game Approach. IEEE Internet of Things Journal, 2022, 9, 4396-4410.	5.5	22
130	Blockchain and Autonomous Vehicles: Recent Advances and Future Directions. IEEE Access, 2021, 9, 130264-130328.	2.6	37
131	Towards a Trustworthy Semantic-Aware Marketplace for Interoperable Cloud Services. Lecture Notes in Networks and Systems, 2021, , 606-615.	0.5	2
132	Adaptive and Robust Routing With Lyapunov-Based Deep RL in MEC Networks Enabled by Blockchains. IEEE Internet of Things Journal, 2021, 8, 2208-2225.	5.5	16
133	A Survey on IoT Big Data. ACM Computing Surveys, 2021, 53, 1-59.	16.1	42
134	Revealing Development Trends in Blockchain-Based 5G Network Technologies through Patent Analysis. Sustainability, 2021, 13, 2548.	1.6	8
135	Security and Privacy in IoT Using Machine Learning and Blockchain. ACM Computing Surveys, 2021, 53, 1-37.	16.1	71
136	RC-chain: Reputation-based crowdsourcing blockchain for vehicular networks. Journal of Network and Computer Applications, 2021, 176, 102956.	5.8	27
137	BDN-GWMNN: Internet of Things (IoT) Enabled Secure Smart City Applications. Wireless Personal Communications, 2021, 119, 2469-2485.	1.8	18
138	Privacy challenges of IoT-based blockchain: a systematic review. Cluster Computing, 2022, 25, 2203-2221.	3.5	36
139	The Blockchain Never Sleeps: How Can Blockchain Technology Transform Sleep Medicine?. Sleep and Vigilance, 2021, 5, 17-27.	0.4	4
140	Multidimensional Development and π-Type Trend of the Blockchain Research: A Collaborative Network Analysis. Mathematical Problems in Engineering, 2021, 2021, 1-15.	0.6	3
141	Blockchainâ€enabled secure crowdsensing for trackside infrastructure information collection and validation in railway signalling data preparation. IET Blockchain, 2021, 1, 16-32.	1.1	1
142	Classification of Blockchain Implementation in Mobile Electronic Health Records and Internet of Medical Things Devices Research. , 2021, , .		0
143	Blockchain based Joint Task Scheduling and Supply-Demand Configuration for Smart Manufacturing. , 2021, , .		6
144	Private blockchain-envisioned multi-authority CP-ABE-based user access control scheme in IIoT. Computer Communications, 2021, 169, 99-113.	3.1	40
145	Application of Blockchain Technology in Energy Trading: A Review. Frontiers in Energy Research, 2021, 9, .	1.2	16
146	A Survey of State-of-the-Art on Blockchains. ACM Computing Surveys, 2022, 54, 1-42.	16.1	68

#	Article	IF	CITATIONS
147	The case of HyperLedger Fabric as a blockchain solution for healthcare applications. Blockchain: Research and Applications, 2021, 2, 100012.	4.5	34
148	Integration of Blockchain and Machine Learning for Microgrids. , 2021, , .		2
149	Blockchain–a promising solution to internet of things: A comprehensive analysis, opportunities, challenges and future research issues. Peer-to-Peer Networking and Applications, 2021, 14, 2926-2951.	2.6	4
150	Intelligent resource allocation in mobile blockchain for privacy and security transactions: a deep reinforcement learning based approach. Science China Information Sciences, 2021, 64, 1.	2.7	54
151	A survey: applications of blockchain in the Internet of Vehicles. Eurasip Journal on Wireless Communications and Networking, 2021, 2021, .	1.5	39
152	Architecting Internet of Things Systems with Blockchain. ACM Transactions on Software Engineering and Methodology, 2021, 30, 1-46.	4.8	3
153	Privacy and Security in Cognitive Cities: A Systematic Review. Applied Sciences (Switzerland), 2021, 11, 4471.	1.3	13
154	Secular: A Decentralized Blockchain-based Data Privacy-preserving Model Training Platform. , 2021, , .		2
155	Design Guidelines for Database-Driven Internet of Things-Enabled Dynamic Spectrum Access. Sensors, 2021, 21, 3194.	2.1	4
156	Blockchainâ€enabled balise data security for train control system. IET Blockchain, 2021, 1, 82-94.	1.1	2
157	A new differential evolution algorithm for joint mining decision and resource allocation in a MEC-enabled wireless blockchain network. Computers and Industrial Engineering, 2021, 155, 107186.	3.4	18
158	Blockchain for IoT-based smart cities: Recent advances, requirements, and future challenges. Journal of Network and Computer Applications, 2021, 181, 103007.	5.8	139
159	Blockchain based solutions to secure IoT: Background, integration trends and a way forward. Journal of Network and Computer Applications, 2021, 181, 103050.	5.8	118
160	Application-Oriented Block Generation for Consortium Blockchain-Based IoT Systems With Dynamic Device Management. IEEE Internet of Things Journal, 2021, 8, 7874-7888.	5.5	17
161	On the suitability of blockchain platforms for IoT applications: Architectures, security, privacy, and performance. Computer Networks, 2021, 191, 108005.	3.2	46
162	A Blockchainâ€based Cyber Attack Detection Scheme for Decentralized Internet of Things using Softwareâ€Defined Network. Software - Practice and Experience, 2021, 51, 1540-1556.	2.5	15
163	Distributed Intelligence in the Internet of Things: Challenges and Opportunities. SN Computer Science, 2021, 2, 1.	2.3	15
164	Black-Box IoT. , 2021, , .		2

#	Article	IF	CITATIONS
165	Secure Asset Tracking in Manufacturing through Employing IOTA Distributed Ledger Technology. , 2021, , .		0
166	Blockchain-based trust management in cloud computing systems: a taxonomy, review and future directions. Journal of Cloud Computing: Advances, Systems and Applications, 2021, 10, .	2.1	44
167	Efficient Data Communication Using Distributed Ledger Technology and IOTA-Enabled Internet of Things for a Future Machine-to-Machine Economy. Sensors, 2021, 21, 4354.	2.1	11
168	A Novel Blockchain Secure to Routing Protocol in WSN. , 2021, , .		4
169	Blockchain-based whistleblowing service to solve the problem of journalistic conflict of interest. Annales Des Telecommunications/Annals of Telecommunications, 0, , 1.	1.6	2
170	The Application of the Blockchain Technology in Voting Systems. ACM Computing Surveys, 2022, 54, 1-28.	16.1	38
171	Exploring the redaction mechanisms of mutable blockchains: A comprehensive survey. International Journal of Intelligent Systems, 2021, 36, 5051-5084.	3.3	17
172	BIM security: A critical review and recommendations using encryption strategy and blockchain. Automation in Construction, 2021, 126, 103682.	4.8	67
173	Blockchain-empowered Data-driven Networks. ACM Computing Surveys, 2022, 54, 1-38.	16.1	20
174	Marketing Method and System Optimization Based on the Financial Blockchain of the Internet of Things. Wireless Communications and Mobile Computing, 2021, 2021, 1-11.	0.8	10
175	Blockchain technology for the industrial Internet of Things: A comprehensive survey on security challenges, architectures, applications, and future research directions. Transactions on Emerging Telecommunications Technologies, 2021, 32, e4337.	2.6	39
176	Blockchain Technology for Secure Accounting Management: Research Trends Analysis. Mathematics, 2021, 9, 1631.	1.1	30
177	Can blockchain link the future?. Digital Communications and Networks, 2022, 8, 687-694.	2.7	20
178	Developing a blockchain framework for the automotive supply chain: A systematic review. Computers and Industrial Engineering, 2021, 157, 107334.	3.4	54
179	Innovative blockchain-based farming marketplace and smart contract performance evaluation. Journal of Cleaner Production, 2021, 306, 127055.	4.6	49
180	Intelligent construction integrated management system based on BIM and Internet of Things. , 2021, , .		1
181	Blockchain-Based Trust Edge Knowledge Inference of Multi-Robot Systems for Collaborative Tasks. IEEE Communications Magazine, 2021, 59, 94-100.	4.9	24
182	Securing Healthcare Information Using Blockchain Technology: A Deep Insight. EAI/Springer Innovations in Communication and Computing, 2022, , 253-263.	0.9	3

#	Article	IF	CITATIONS
183	Authentication and Key Management in Distributed IoT Using Blockchain Technology. IEEE Internet of Things Journal, 2021, 8, 12947-12954.	5.5	40
184	Is blockchain for Internet of Medical Things a panacea for COVID-19 pandemic?. Pervasive and Mobile Computing, 2021, 75, 101434.	2.1	32
186	Public Blockchains for Resource-Constrained IoT Devices—A State-of-the-Art Survey. IEEE Internet of Things Journal, 2021, 8, 11960-11982.	5.5	29
187	Information traceability platforms for asset data lifecycle: blockchain-based technologies. Smart and Sustainable Built Environment, 2021, 10, 364-386.	2.2	25
189	Blockchain as a mean to secure Internet of Things ecosystems – a systematic literature review. Journal of Enterprise Information Management, 2021, 34, 1371-1405.	4.4	16
190	Enabling Massive IoT Toward 6G: A Comprehensive Survey. IEEE Internet of Things Journal, 2021, 8, 11891-11915.	5.5	282
191	State-of-the-Art Review on IoT Threats and Attacks: Taxonomy, Challenges and Solutions. Sustainability, 2021, 13, 9463.	1.6	31
192	Blockchain Applications that are Transforming the Society. EAI/Springer Innovations in Communication and Computing, 2022, , 23-39.	0.9	2
193	Veritaa: A distributed public key infrastructure with signature store. International Journal of Network Management, 0, , e2183.	1.4	2
194	The Evaluation of Block Chain Technology within the Scope of Ripple and Banking Activities. Journal of Central Banking Theory and Practice, 2021, 10, 153-167.	0.7	5
196	A systematic review of IoT in healthcare: Applications, techniques, and trends. Journal of Network and Computer Applications, 2021, 192, 103164.	5.8	182
197	A Blockchain-Based Distributed Authentication System for Healthcare. International Journal of Healthcare Information Systems and Informatics, 2021, 16, 1-14.	1.0	1
198	A blockchain-based preserving and sharing system for medical data privacy. Future Generation Computer Systems, 2021, 124, 338-350.	4.9	54
199	Unearthing malicious campaigns and actors from the blockchain DNS ecosystem. Computer Communications, 2021, 179, 217-230.	3.1	5
200	BCHealth: A Novel Blockchain-based Privacy-Preserving Architecture for IoT Healthcare Applications. Computer Communications, 2021, 180, 31-47.	3.1	57
201	CEPchain: A graphical model-driven solution for integrating complex event processing and blockchain. Expert Systems With Applications, 2021, 184, 115578.	4.4	15
202	Towards Interconnected Blockchains. ACM Computing Surveys, 2022, 54, 1-39.	16.1	25
203	A Blockchain Assisted Vehicular Pseudonym Issuance and Management System for Conditional Privacy Enhancement. IEEE Access, 2021, 9, 127305-127319.	2.6	15

#	Article	IF	CITATIONS
204	A Survey of Decentralizing Applications via Blockchain: The 5G and Beyond Perspective. IEEE Communications Surveys and Tutorials, 2021, 23, 2191-2217.	24.8	60
205	Perspectives of Blockchain in Cybersecurity. Advances in Data Mining and Database Management Book Series, 2021, , 109-131.	0.4	0
206	Storage and Communication Tradeoff for Wireless Coded Blockchains. IEEE Systems Journal, 2022, 16, 2911-2922.	2.9	3
207	Social and Economic Contribution of 5G and Blockchain With Green Computing: Taxonomy, Challenges, and Opportunities. IEEE Access, 2021, 9, 69082-69099.	2.6	13
208	A Survey of Blockchain-Based Solutions for IoTs, VANETs, and FANETs. Advances in Information Security, Privacy, and Ethics Book Series, 2021, , 110-148.	0.4	6
211	A Survey on Blockchain Technology: Evolution, Architecture and Security. IEEE Access, 2021, 9, 61048-61073.	2.6	182
212	Blockchain for healthcare data management: opportunities, challenges, and future recommendations. Neural Computing and Applications, 2022, 34, 11475-11490.	3.2	165
213	A Blockchain Model for Trustworthiness in the Internet of Things (IoT)-Based Smart-Cities. EAI/Springer Innovations in Communication and Computing, 2020, , 1-19.	0.9	6
214	Blockchain-Enabled Traceable, Transparent Transportation System for Blood Bank. Lecture Notes in Electrical Engineering, 2021, , 313-324.	0.3	9
215	A novel blockchain based framework to secure IoT-LLNs against routing attacks. Computing (Vienna/New York), 2020, 102, 2445-2470.	3.2	32
216	A Probabilistic Routing-Based Secure Approach for Opportunistic IoT Network Using Blockchain. , 2020, , .		7
217	Rethinking Blockchain Integration with the Industrial Internet of Things. IEEE Internet of Things Magazine, 2020, 3, 70-75.	2.0	1
218	A Brief Introduction to Blockchain Economics. SSRN Electronic Journal, 0, , .	0.4	13
220	5C support for Industrial IoT Applications— Challenges, Solutions, and Research gaps. Sensors, 2020, 20, 828.	2.1	139
221	A Survey on Blockchain-Based IoMT Systems: Towards Scalability. IEEE Access, 2021, 9, 148948-148975.	2.6	25
222	A Survey on Industry 4.0 for the Oil and Gas Industry: Upstream Sector. IEEE Access, 2021, 9, 144438-144468.	2.6	33
223	Blockchain on Security and Forensics Management in Edge Computing for IoT: A Comprehensive Survey. IEEE Transactions on Network and Service Management, 2022, 19, 1159-1175.	3.2	26
224	Focus on Blockchain: Introducation, Benefits and Future Application Trends. , 2021, , .		0

#	Article	IF	CITATIONS
225	A Survey on Blockchain in Robotics: Issues, Opportunities, Challenges and Future Directions. Journal of Network and Computer Applications, 2021, 196, 103245.	5.8	29
226	Blockchain Technology Enables Healthcare Data Management and Accessibility. Environmental Footprints and Eco-design of Products and Processes, 2022, , 91-118.	0.7	3
227	Blockchain-based solutions for cloud computing: A survey. Journal of Network and Computer Applications, 2021, 196, 103246.	5.8	16
228	Blockchain Enabled Transparent and Anti-Counterfeiting Supply of COVID-19 Vaccine Vials. Vaccines, 2021, 9, 1239.	2.1	29
229	SSHC: A Secure and Scalable Hybrid Consensus Protocol for Sharding Blockchains With a Formal Security Framework. IEEE Transactions on Dependable and Secure Computing, 2022, 19, 2070-2088.	3.7	25
230	Survey Paper on Efficient Security Mechanism in lot Using Blockchain. , 2020, , 617-624.		0
231	Blockchain technology in 5G networks. Scientific and Technical Journal of Information Technologies, Mechanics and Optics, 2020, 20, 472-484.	0.1	3
232	How Can Hyperledger Fabric Blockchain Platform Secure Power Plants Remote Monitoring. , 2020, , .		1
233	Blockchain for Secure Internet of Things. Studies in Computational Intelligence, 2020, , 33-54.	0.7	1
234	Re-encrypted Data Access Control Scheme Based on Blockchain. , 2020, , .		2
235	Securing a Vehicle Fleet Management Through Blockchain and Internet of Things. , 2020, , .		1
236	Blockchain-Enabled Resource Trading and Deep Reinforcement Learning-Based Autonomous RAN Slicing in 5G. IEEE Transactions on Network and Service Management, 2022, 19, 216-227.	3.2	24
237	A Survey: Applications of Blockchains inÂthe Internet of Vehicles. Lecture Notes in Computer Science, 2020, , 457-468.	1.0	3
238	Mining netizen's opinion on cryptocurrency: sentiment analysis of Twitter data. Studies in Economics and Finance, 2022, 39, 365-385.	1.2	22
239	Blockchain based secure, efficient and coordinated energy trading and data sharing between electric vehicles. Cluster Computing, 2022, 25, 1839-1867.	3.5	16
240	НуВІоЅЕ. , 2020, , .		3
241	Advanced Environmental Monitoring Solution Using the Internet of Things (IoT) and Blockchain. , 2020, , .		1
242	Recent advances in blockchain technology: a survey on applications and challenges. International Journal of Ad Hoc and Ubiquitous Computing, 2021, 38, 82.	0.3	17

#	Article	IF	CITATIONS
243	Blockchain technology as a Fog computing security and privacy solution: An overview. Computer Communications, 2022, 182, 129-152.	3.1	38
244	Blockchain Use Cases in Healthcare. Advances in Electronic Government, Digital Divide, and Regional Development Book Series, 2022, , 85-104.	0.2	2
245	A Secure Access and Accountability Framework for Provisioning Services in Named Data Networks. , 2021, , .		4
246	A Comparison of Distributed Ledger Technologies in IoT: IOTA versus Ethereum. , 2021, , .		1
247	Pricing strategies of low-carbon enterprises in the Yellow River Basin considering demand information and traceability services. Kybernetes, 2023, 52, 304-327.	1.2	3
248	Blockchain-Based Authentication in Internet of Vehicles: A Survey. Sensors, 2021, 21, 7927.	2.1	34
249	A Survey on blockchain for industrial Internet of Things. AEJ - Alexandria Engineering Journal, 2022, 61, 6001-6022.	3.4	59
250	Drones' Edge Intelligence Over Smart Environments in B5G: Blockchain and Federated Learning Synergy. IEEE Transactions on Green Communications and Networking, 2022, 6, 295-312.	3.5	58
251	Blockchain-Empowered Space-Air-Ground Integrated Networks: Opportunities, Challenges, and Solutions. IEEE Communications Surveys and Tutorials, 2022, 24, 160-209.	24.8	66
252	Research Progress and Prospect of Blockchain + Agricultural Science Data Management. Voice of the Publisher, 2021, 07, 163-171.	0.0	2
253	Enterprise Platform of Logistics Services Based on a Multi-Agents Mechanism and Blockchains. IFAC-PapersOnLine, 2021, 54, 825-830.	0.5	5
254	Practical Insights to Design a Blockchain-Based Energy Trading Platform. IEEE Access, 2021, 9, 154827-154844.	2.6	10
255	Differential Privacy-Based Permissioned Blockchain for Private Data Sharing in Industrial IoT. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2022, , 77-91.	0.2	3
256	Modeling and evaluation of quality monitoring based on wireless sensor and blockchain technology for live fish waterless transportation. Computers and Electronics in Agriculture, 2022, 193, 106642.	3.7	21
257	Automatic Modulation Classification in Cognitive-IoT Radios using Generalized Dynamic Bayesian Networks. , 2021, , .		5
258	Amalgamation of Blockchain Technology and Internet of Things in Securing Clouds. International Journal of Scientific Research in Computer Science Engineering and Information Technology, 2021, , 135-145.	0.2	0
259	CES Blocks—A Novel Chaotic Encryption Schemes-Based Blockchain System for an IoT Environment. IEEE Access, 2022, 10, 11354-11371.	2.6	22
260	Integrating the IoT and Blockchain Technology for the Next Generation of Mining Inspection Systems. Sensors, 2022, 22, 899.	2.1	17

#	Article	IF	CITATIONS
261	A Blockchain-Based IoT Framework for Oil Field Remote Monitoring and Control. IEEE Access, 2022, 10, 2497-2514.	2.6	5
262	Reputation-Driven Dynamic Node Consensus and Reliability Sharding Model in IoT Blockchain. Algorithms, 2022, 15, 28.	1.2	5
263	Decentralized Machine Autonomy for Manufacturing Servitization. Sensors, 2022, 22, 338.	2.1	6
264	SmartDID: A Novel Privacy-Preserving Identity Based on Blockchain for IoT. IEEE Internet of Things Journal, 2023, 10, 6718-6732.	5.5	19
265	A survey on blockchain for big data: Approaches, opportunities, and future directions. Future Generation Computer Systems, 2022, 131, 209-226.	4.9	184
266	A survey on blockchain-based Recommender Systems: Integration architecture and taxonomy. Computer Communications, 2022, 187, 1-19.	3.1	10
268	BCoT: Concluding Remarks. Lecture Notes on Data Engineering and Communications Technologies, 2022, , 289-293.	0.5	1
270	BCoT: Introduction to Blockchain-Based Internet of Things for Industry 5.0. Lecture Notes on Data Engineering and Communications Technologies, 2022, , 1-22.	0.5	4
271	The Integration of Blockchain With IoT in Smart Appliances. Impact of Meat Consumption on Health and Environmental Sustainability, 2022, , 223-246.	0.4	6
272	Secure Data Sharing of Electronic Health Record (EHR) on the Cloud Using Blockchain in Covid-19 Scenario. Lecture Notes in Networks and Systems, 2022, , 165-175.	0.5	2
273	A survey on blockchain technology and its security. Blockchain: Research and Applications, 2022, 3, 100067.	4.5	124
274	Visualization of Railway Transportation Engineering Management Using BIM Technology under the Application of Internet of Things Edge Computing. Wireless Communications and Mobile Computing, 2022, 2022, 1-15.	0.8	5
275	Hierarchical blockchain structure for node authentication in IoT networks. Egyptian Informatics Journal, 2022, 23, 345-361.	4.4	12
276	Data trust in Consumer Internet of Things assemblages in the mobile and fixed telecommunication operators in South Africa. South African Journal of Information Management, 2022, 24, .	0.5	1
278	Blockchain-Based Authentication and Trust Management Mechanism for Smart Cities. Sensors, 2022, 22, 2604.	2.1	24
279	A Study on Blockchain Architecture Design Decisions and Their Security Attacks and Threats. ACM Transactions on Software Engineering and Methodology, 2022, 31, 1-45.	4.8	3
280	Research on Improvement of Blockchain DPOS Consensus Mechanism Based on HK Clustering. , 2021, , .		4
281	BlockTorrent: A Blockchain Enabled Privacy-Preserving Data Availability Protocol for Multi-stakeholder Scenarios. , 2021, , .		1

ARTICLE IF CITATIONS # Improving Soft Law Governance of the Internet of Things. IEEE Technology and Society Magazine, 2021, 282 0.6 0 40, 101-114. Blockchain-based system for e-voting using Blind Signature Protocol., 2021, , . 284 SoK., 2021,,. 23 Quantum Chain of Things (QCoT): A New Paradigm for Integrating Quantum Computing, Blockchain, 285 and Internet of Things., 2021,,. BSI: Blockchain to secure routing protocol in Internet of Things. Concurrency Computation Practice 286 1.4 6 and Experience, 2022, 34, . A Trusted IoT SLA Protocol Model Based on Smart Contracts. Computer Science and Application, 2022, 12,923-933. BLOWN: A Blockchain Protocol for Single-Hop Wireless Networks Under Adversarial SINR. IEEE 288 3.9 15 Transactions on Mobile Computing, 2023, 22, 4530-4547. Blockchain-Based Reliable Framework for Land Registration Information System. International Journal 0.2 of Technology Diffusion, 2022, 13, 1-16. Adoption of Blockchain Technology for Privacy and Security in the Context of Industry 4.0. Wireless 292 0.8 12 Communications and Mobile Computing, 2022, 2022, 1-14. Characterization and Costs of Integrating Blockchain and IoT for Agri-Food Traceability Systems. 1.2 Systems, 2022, 10, 57. Blockchain Applicability for the Internet of Things: Performance and Scalability Challenges and 294 1.8 5 Solutions. Electronics (Switzerland), 2022, 11, 1416. Cryptocurrency adoption: aÂsystematic literature review and bibliometric analysis. EuroMed Journal of Business, 2022, 17, 374-390. Blockchain Based Big Data Solutions for Internet of Things (IoT) and Smart Cities. Intelligent Systems 296 1.0 5 Reference Library, 2022, , 225-253. Internet of Intelligence: A Survey on the Enabling Technologies, Applications, and Challenges. IEEE Communications Surveys and Tutorials, 2022, 24, 1394-1434. 24.8 Permissioned Blockchain and Deep Reinforcement Learning Enabled Security and Energy Efficient 298 2.6 14 Healthcare Internet of Things. IEEE Access, 2022, 10, 53640-53651. Smart Online Political Education in the era of New Media and considering block-chain for Person 299 Verification., 2022, , . Blockchain-Based Trust Management Framework for Cloud Computing-Based Internet of Medical 300 1.1 38 Things (IoMT): A Systematic Review. Computational Intelligence and Neuroscience, 2022, 2022, 1-14. A Comprehensive Study of Internet of Things and Digital Business on the Economic Growth and its 301 Impact on Human Resource Management., 2021, , .

#	Article	IF	CITATIONS
302	Transparency-privacy Trade-off in Blockchain-Based Supply Chain in Industrial Internet of Things. , 2021, , .		2
303	A Tractable Probabilistic Approach to Analyze Sybil Attacks in Sharding-Based Blockchain Protocols. IEEE Transactions on Emerging Topics in Computing, 2023, 11, 126-136.	3.2	14
304	Research on Multi-party Data Secure Interaction Technology for Energy Internet. Journal of Physics: Conference Series, 2022, 2276, 012017.	0.3	0
305	Development of an Electronic Smart Safe Box Using Private Blockchain Technology. Applied Sciences (Switzerland), 2022, 12, 6445.	1.3	1
306	Towards Secure and Intelligent Internet of Health Things: A Survey of Enabling Technologies and Applications. Electronics (Switzerland), 2022, 11, 1893.	1.8	26
307	Integrating Edge Intelligence and Blockchain: What, Why, and How. IEEE Communications Surveys and Tutorials, 2022, 24, 2193-2229.	24.8	13
308	Toward Software-Defined Networking-Based IoT Frameworks: A Systematic Literature Review, Taxonomy, Open Challenges and Prospects. IEEE Access, 2022, 10, 70850-70901.	2.6	35
309	Mean-Field Learning for Edge Computing in Mobile Blockchain Networks. IEEE Transactions on Mobile Computing, 2023, 22, 5978-5994.	3.9	18
310	S-Hidra: A Blockchain and Sdn Domain-Based Architecture to Orchestrate Fog Computing Environments. SSRN Electronic Journal, 0, , .	0.4	0
311	LASII: Lightweight Authentication Scheme using IOTA in IoT Platforms. , 2022, , .		5
312	Blockchain Technology: Introduction, Integration, and Security Issues with IoT. , 2022, , 3-26.		5
313	T2L: A traceable and trustable consortium blockchain for logistics. Digital Communications and Networks, 2022, , .	2.7	3
315	Designing A Secure Vehicular Internet of Things (IoT) using Blockchain: A Review. , 2021, , .		10
316	Incentive techniques for the Internet of Things: A survey. Journal of Network and Computer Applications, 2022, 206, 103464.	5.8	34
317	Blockchain for 5G Advanced Wireless Networks. , 2022, , .		1
318	Review of Security Enhancement in IoT using Blockchain. , 2022, , .		3
319	Proof-of-Communication-Capability Based Authentication in Blockchain-enabled Wireless Autonomous Vehicular Networks. , 2022, , .		1
320	An Implementation and Evaluation of Blockchain-based Digital Health Passports. , 2022, , .		0

#	Article	IF	CITATIONS
321	Internet of Things and Blockchain Integration: Security, Privacy, Technical, and Design Challenges. Future Internet, 2022, 14, 216.	2.4	20
322	A Blockchain-based Trustworthy Cloud Services Digital Ecosystem. , 2022, , .		1
324	Blockchain applications for the Internet of Things: Systematic review and challenges. Microprocessors and Microsystems, 2022, 94, 104632.	1.8	9
325	A novel blockchain federated safety-as-a-service scheme for industrial IoT using machine learning. Multimedia Tools and Applications, 2022, 81, 36751-36780.	2.6	3
326	A Novel Distributed Ledger Technology Structure for Wireless Sensor Networks Based on IOTA Tangle. Electronics (Switzerland), 2022, 11, 2403.	1.8	4
327	Grouping-Based Reliable Privacy Preservation for Blockchain-Assisted Data Aggregation in Mobile Crowdsensing. Security and Communication Networks, 2022, 2022, 1-11.	1.0	2
328	FSEE: A Forward Secure End-to-End Encrypted Message Transmission System for IoT. Security and Communication Networks, 2022, 2022, 1-18.	1.0	0
329	Latent DIRICHLET allocation (LDA) based information modelling on BLOCKCHAIN technology: a review of trends and research patterns used in integration. Multimedia Tools and Applications, 2022, 81, 36805-36831.	2.6	16
330	Blockchain-based vehicular ad-hoc networks: A comprehensive survey. Ad Hoc Networks, 2022, 137, 102980.	3.4	12
332	Astraea: Anonymous and Secure Auditing Based on Private Smart Contracts for Donation Systems. IEEE Transactions on Dependable and Secure Computing, 2023, 20, 3002-3018.	3.7	5
333	Overview of Edge Intelligence and Blockchain. Wireless Networks, 2022, , 9-31.	0.3	0
334	Blockchain-as-a-Service for Business Process Management: Survey and Challenges. IEEE Transactions on Services Computing, 2023, 16, 2299-2314.	3.2	1
335	A Survey onÂtheÂIntegration ofÂBlockchain andÂloT: Challenges andÂOpportunities. Advanced Sciences and Technologies for Security Applications, 2022, , 197-221.	0.4	3
336	Consortium Blockchain-Based Spectrum Trading for Network Slicing in 5G RAN: A Multi-Agent Deep Reinforcement Learning Approach. IEEE Transactions on Mobile Computing, 2023, 22, 5801-5815.	3.9	19
337	Stackelberg Game Based Dynamic Resource Trading for Network Slicing in 5g Networks. SSRN Electronic Journal, 0, , .	0.4	0
338	A Survey on Blockchain and Artificial Intelligence Technologies for Enhancing Security and Privacy in Smart Environments. IEEE Access, 2022, 10, 93168-93186.	2.6	9
339	Blockchain Meets Covert Communication: A Survey. IEEE Communications Surveys and Tutorials, 2022, 24, 2163-2192.	24.8	8
340	Fusion of IoT, AI, Edge–Fog–Cloud, and Blockchain: Challenges, Solutions, and a Case Study in Healthcare and Medicine. IEEE Internet of Things Journal, 2023, 10, 3686-3705.	5.5	16

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CITAI		<b>NEFORI</b>

#	Article	IF	CITATIONS
341	Anomaly Detection in Blockchain Networks: A Comprehensive Survey. IEEE Communications Surveys and Tutorials, 2023, 25, 289-318.	24.8	55
342	Exploiting Cost-Effective IoT Devices for Trustless Agri-Food Supply Chain Management: A Practical Case Study. , 2023, , 113-134.		0
343	A Secure Dynamic Edge Resource Federation Architecture for Cross-Domain IoT Systems. , 2022, , .		5
344	Perspectives of Blockchain in Cybersecurity. , 2022, , 818-840.		0
345	Comprehensive Study on Incorporation of Blockchain Technology With IoT Enterprises. , 2022, , 919-930.		0
346	A Survey of Blockchain-Based Solutions for IoTs, VANETs, and FANETs. , 2022, , 663-701.		0
347	Fairledger: a Fair Proof-of-Sequential-Work based Lightweight Distributed Ledger for IoT Networks. , 2022, , .		0
348	Enabling Blockchain Services for IoE with Zk-Rollups. Sensors, 2022, 22, 6493.	2.1	7
349	Game-theoretic Designs for Blockchain-based IoT: Taxonomy and Research Directions. , 2022, , .		2
350	Trusted Cloud Service System Based on Block Chain Technology. Wireless Communications and Mobile Computing, 2022, 2022, 1-12.	0.8	0
351	RAMi: A New Real-Time Internet of Medical Things Architecture for Elderly Patient Monitoring. Information (Switzerland), 2022, 13, 423.	1.7	9
352	Three-tier Storage Framework Based on TBchain and IPFS for Protecting IoT Security and Privacy. ACM Transactions on Internet Technology, 2023, 23, 1-28.	3.0	2
353	Software Architecture and Non-Fungible Tokens for Digital Twin Decentralized Applications in the Built Environment. Buildings, 2022, 12, 1447.	1.4	10
355	PKIs in C-ITS: Security functions, architectures and projects: A survey. Vehicular Communications, 2022, 38, 100531.	2.7	2
356	InFEDge: A Blockchain-Based Incentive Mechanism in Hierarchical Federated Learning for End-Edge-Cloud Communications. IEEE Journal on Selected Areas in Communications, 2022, 40, 3325-3342.	9.7	23
357	Sensor Cloudlet Interconnecting System for water Reservoirs Security. , 2022, , .		0
358	Sharding for Scalable Blockchain Networks. SN Computer Science, 2023, 4, .	2.3	14
359	A secure and privacyâ€preserved delegateâ€based blockchain and federated learning for 6G networks. International Journal of Communication Systems, 0, , .	1.6	0

ARTICLE IF CITATIONS # A comparative analysis of biogas and hydrogen, and the impact of the certificates and blockchain new 360 3.8 11 paradigms. International Journal of Hydrogen Energy, 2022, 47, 39303-39318. A Systematic Literature Review and Meta-Analysis on Scalable Blockchain-Based Electronic Voting 361 2.1 Systems. Sensors, 2022, 22, 7585. Enhancing wisdom manufacturing as industrial metaverse for industry and society 5.0. Journal of 362 4.4 24 Intelligent Manufacturing, 2024, 35, 235-255. Building blocks of sharding blockchain systems: Concepts, approaches, and open problems. Computer Science Review, 2022, 46, 100513. Applications of Blockchain in Business Processes: A Comprehensive Review. IEEE Access, 2022, 10, 364 2.6 11 118900-118925. AODV-Miner: Consensus-Based Routing Using Node Reputation., 2022, , . Towards SDN-based smart contract solution for IoT access control. Computer Communications, 2023, 366 3.1 28 198, 1-31. Blockchain Mechanism for Resolving Privacy Issues in a Smart City. Lecture Notes in Networks and Systems, 2023, , 95-107. A Survey on Blockchain for Healthcare: Challenges, Benefits, and Future Directions. IEEE 368 24.8 14 Communications Surveys and Tutorials, 2023, 25, 386-424. Device Agent Assisted Blockchain Leveraged Framework for Internet of Things. IEEE Access, 2023, 11, 2.6 1254-1268. A Comprehensive Study on LPWANs With a Focus on the Potential of LoRa/LoRaWAN Systems. IEEE 370 24.8 15 Communications Surveys and Tutorials, 2023, 25, 825-867. S-HIDRA: A blockchain and SDN domain-based architecture to orchestrate fog computing 371 3.2 environments. Computer Networks, 2023, 221, 109512. Artificial intelligence implication on energy sustainability in Internet of Things: A survey. Information 372 5.4 16 Processing and Management, 2023, 60, 103212. A Systematic Literature Review of Lightweight Blockchain for IoT. IEEE Access, 2022, 10, 123138-123159. 2.6 ECOM: Epoch Randomness-Based Consensus Committee Configuration for IoT Blockchains., 2023,, 374 1 135-154. Managing Scores of Crowdsourcing Workers Using Blockchain., 2022,,. A Decentralized Architecture for Trusted Dataset Sharing Using Smart Contracts and Distributed 376 2.15 Storage. Sensors, 2022, 22, 9118. Exploring the use of blockchain in resourceâ€constrained fog computing environments. Software -377 Practice and Experience, 2023, 53, 971-987.

		CITATION REPORT		
#	Article		IF	CITATIONS
378	Reputationâ€based partition scheme for <scp>IoT</scp> security. Security and Privacy, 2023, 6, .		1.9	1
379	Blockchain technology in energy systems: A stateâ€ofâ€theâ€art review. IET Blockchain, 2023, 3,	35-59.	1.1	8
380	SoK: DAG-based Blockchain Systems. ACM Computing Surveys, 2023, 55, 1-38.		16.1	17
381	Blockchain Systems in Embedded Internet of Things: Systematic Literature Review, Challenges An and Future Direction Suggestions. Electronics (Switzerland), 2022, 11, 4020.	alysis,	1.8	2
382	Blockchain and Machine Learning for Future Smart Grids: A Review. Energies, 2023, 16, 528.		1.6	30
383	Potential Implementations of Blockchain Technology in Patient Safety: A High-Level Overview. Integrated Science, 2023, , 117-140.		0.1	1
384	CE-SDT: A new blockchain-based distributed community energy trading mechanism. Frontiers in E Research, 0, 10, .	nergy	1.2	1
385	SmartTwin: A Blockchain-Based Software Framework for Digital Twins Using IoT. Lecture Notes in Networks and Systems, 2023, , 67-77.		0.5	1
386	Integrity and Privacy-Aware, Patient-Centric Health Record Access Control Framework Using a Blockchain. Applied Sciences (Switzerland), 2023, 13, 1028.		1.3	6
387	A Blockchain-based Authentication and Access Control for Smart Devices in SDN-enabled Networ for Metaverse. , 2022, , .	RS		3
388	Blockchain-based Security for Internet of Medical Things Application. , 2022, , .			2
389	IoT and Blockchain Integration: Applications, Opportunities, and Challenges. Network, 2023, 3, 1	15-141.	1.5	7
390	Securing Optical Networks Using Quantum-Secured Blockchain: An Overview. Sensors, 2023, 23,	1228.	2.1	6
391	Contemporary Role of Blockchain in Industry 4.0. Advanced Technologies and Societal Change, 20 111-122.	023,,	0.8	2
392	A Sliding Window Blockchain Architecture for the Internet of Things. , 2022, , .			0
393	HCSC: A Hierarchical Certificate Service Chain Based on Reputation for VANETs. IEEE Transactions Intelligent Transportation Systems, 2023, 24, 6123-6145.	on	4.7	1
394	Blockchain Meets Metaverse and Digital Asset Management: A Comprehensive Survey. IEEE Acces 11, 26258-26288.	ss, 2023,	2.6	24
395	Stackelberg game-based dynamic resource trading for network slicing in 5G networks. Journal of Network and Computer Applications, 2023, 214, 103600.		5.8	3

#	Article	IF	CITATIONS
396	Internet of Thing (IoT) review of review: Bibliometric overview since its foundation. Future Generation Computer Systems, 2023, 143, 361-377.	4.9	15
397	Effective Blockchain-Based Asynchronous Federated Learning forÂEdge-Computing. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2022, , 514-532.	0.2	0
398	Building operation and maintenance scheme based on sharding blockchain. Heliyon, 2023, 9, e13186.	1.4	3
399	Decentralized Demand Response in Energy Communities Using Blockchain. , 2022, , .		2
400	Exploring Blockchains Interoperability: A Systematic Survey. ACM Computing Surveys, 2023, 55, 1-38.	16.1	8
401	Authentication-Chains: Blockchain-Inspired Lightweight Authentication Protocol for IoT Networks. Electronics (Switzerland), 2023, 12, 867.	1.8	3
402	Online knowledge sharing inÂblockchains: towards increasing participation. Management Decision, 2023, 61, 2050-2072.	2.2	2
403	Permissionless Blockchain Systems as Pseudo-Random Number Generators for Decentralized Consensus. IEEE Access, 2023, 11, 14587-14611.	2.6	3
404	Data Analytics Applications in Digital Energy System Operation. Power Systems, 2023, , 25-52.	0.3	0
405	An Adaptable and Unsupervised TinyML Anomaly Detection System for Extreme Industrial Environments. Sensors, 2023, 23, 2344.	2.1	14
406	A Blockchain-Facilitated Secure Sensing Data Processing and Logging System. IEEE Access, 2023, 11, 21712-21728.	2.6	12
407	A New Code Based Signature Scheme for Blockchain Technology. Mathematics, 2023, 11, 1177.	1.1	1
408	Blockchain-Based Decentralized Identification in IoT: An Overview of Existing Frameworks and Their Limitations. Electronics (Switzerland), 2023, 12, 1283.	1.8	3
409	A transformative shift toward blockchainâ€based <scp>IoT</scp> environments: Consensus, smart contracts, and future directions. Security and Privacy, 2023, 6, .	1.9	2
410	A Decentralized Architecture for Electric Vehicle Charging Platform. Lecture Notes in Networks and Systems, 2023, , 357-369.	0.5	0
411	Using Blockchain to Achieve Decentralized Privacy in IoT Healthcare. International Journal on Cybernetics & Informatics, 2023, 12, 97-108.	0.1	1
412	Integration andÂEvaluation ofÂBlockchain Consensus Algorithms forÂloT Environments. Lecture Notes in Networks and Systems, 2023, , 1-13.	0.5	0
413	Smart Contract Implementation to Improve Security on Solid Waste Management Application *. , 2022, , .		0

#	Article	IF	CITATIONS
414	An Internet of Things Access Control Scheme Based on Permissioned Blockchain and Edge Computing. Applied Sciences (Switzerland), 2023, 13, 4167.	1.3	3
415	An Efficient and Secure Node-sampling Consensus Mechanism for Blockchain Systems. , 2022, , .		Ο
416	Security research of power system based on Blockchain and 5G Technology. , 2023, , .		0
417	Advancements in Cyber Security and Information Systems in Healthcare from 2004 to 2022: A Bibliometric Analysis. , 2023, , .		1
418	A Survey on Enabling Technologies and Recent Advancements in 6G Communication. Journal of Physics: Conference Series, 2023, 2466, 012005.	0.3	0
419	A Flexible Sharding Blockchain Protocol Based on Cross-Shard Byzantine Fault Tolerance. IEEE Transactions on Information Forensics and Security, 2023, 18, 2276-2291.	4.5	9
420	A Survey on Consensus Algorithms in Blockchain-Based Applications: Architecture, Taxonomy, and Operational Issues. IEEE Access, 2023, 11, 39066-39082.	2.6	2
421	Industrial Internet Identity Resolution+5G Full Connection Digital Factory Research. Applied Sciences (Switzerland), 2023, 13, 4945.	1.3	Ο
422	Blockchains for Artificial Intelligence of Things: A Comprehensive Survey. IEEE Internet of Things Journal, 2023, 10, 14483-14506.	5.5	3
423	Experimentation for Decentralized Resource-based Multi-pool Mining in Ethereum Blockchain. , 2022, ,		0
424	ContractBox: Realizing accountable data sharing on the edge using a small scale blockchain. Computer Networks, 2023, 229, 109768.	3.2	1
425	Research on the IoT and Al Under the Background of Blockchain. Lecture Notes in Electrical Engineering, 2023, , 647-656.	0.3	Ο
428	Use of Blockchain in Securing IoT systems with Resource Constrained Devices. , 2023, , .		1
432	Managing Supply Chain Digitalization With Blockchain Technology. Advances in Logistics, Operations, and Management Science Book Series, 2023, , 137-165.	0.3	Ο
434	Health Management System Based on Blockchain Technology. , 2023, , .		0
436	Decentralized Federated Learning for Intrusion Detection in IoT-based Systems: A Review. , 2022, , .		Ο
439	Towards aÂDynamic Testing Approach forÂChecking theÂCorrectness ofÂEthereum Smart Contracts. Lecture Notes in Computer Science, 2023, , 85-100.	1.0	3
443	Employing Blockchain and Machine Learning for Monitoring the Accumulation and Dispensation of Covid-19 Vaccine. Lecture Notes in Electrical Engineering, 2023, , 405-418.	0.3	1

#	Article	IF	CITATIONS
451	Leveraging Blockchain for Device Registration and Authentication in tSIP-Based Phone-of-Things (PoT) Systems. , 2023, , .		1
452	Towards Smart Contract-Based Verification ofÂAnonymous Credentials. Lecture Notes in Computer Science, 2023, , 481-498.	1.0	0
454	The Emergence and Challenges of Blockchain Technology in Business and IoT Applications. , 2023, , .		0
469	Research and Improvement of a Plagiarism Detection Methods Using Blockchain Technolog. , 2022, , .		0
471	Design and Implementation of Secure Transmission Architecture for IIOT Based on Blockchain. , 2023, ,		0
475	The Impact of 4IR Technologies on Venture Creation and Technology Commercialisation: Insights and Exemplars from an Emerging Economy Context. , 2023, , 149-178.		Ο
477	A correlation among industry 4.0, additive manufacturing, and topology optimization: a state-of-the-art review. International Journal of Advanced Manufacturing Technology, 2023, 129, 3771-3797.	1.5	1
481	Prospects and Challenges of Blockchain Technology in Managing Healthcare Data. Advances in Marketing, Customer Relationship Management, and E-services Book Series, 2023, , 89-104.	0.7	0
483	SoK: Blockchain for Industrial Internet of Things. , 2023, , .		0
486	A Survey on the Impact of Blockchain in Effective Organ Transplantation. , 2023, , .		0
488	Towards a Framework for Analyzing the Suitability of DLTs for Integration in the IoT. , 2023, , .		0
490	Safeguarding IoT: Harnessing Practical Byzantine Fault Tolerance for Robust Security. Lecture Notes in Networks and Systems, 2024, , 287-301.	0.5	0
493	Exponentially Distributed Nonlinear Proof-of-Work: Saving Energy while Preserving Decentralisation in Bitcoin Mining. , 2023, , .		0
494	Land Title Solutions Across The World With Blockchain: A Review. , 2024, , 233-255.		Ο
495	A Comprehensive Analysis of Blockchain Network Security: Attacks and Their Countermeasures. Communications in Computer and Information Science, 2024, , 276-291.	0.4	0
501	Robust Medical Data Sharing System Based onÂBlockchain andÂThreshold Rroxy Re-encryption. Lecture Notes in Computer Science, 2024, , 112-131.	1.0	0
504	Blockchain Basics. Advances in Web Technologies and Engineering Book Series, 2024, , 57-89.	0.4	0