A Survey of Blockchain Technology Applied to Smart Ci

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Blockchain-Based Distributed Software-Defined Vehicular Networks: A Dueling Deep \${Q}\$ -Learning Approach. IEEE Transactions on Cognitive Communications and Networking, 2019, 5, 1086-1100.	4.9	70
2	Blockchain-Based Mutual-Healing Group Key Distribution Scheme in Unmanned Aerial Vehicles Ad-Hoc Network. IEEE Transactions on Vehicular Technology, 2019, 68, 11309-11322.	3.9	84
3	Blockchain Technology: Characteristics, Security and Privacy; Issues and Solutions. , 2019, , .		16
4	Secure Service Computing System Platform Based On Blockchain - A Systematic Literature Review. , 2019, , .		1
5	Blockchain Applications for Industry 4.0 and Industrial IoT: A Review. IEEE Access, 2019, 7, 176935-176951.	2.6	246
6	Hierarchically Authorized Transactions for Massive Internet-of-Things Data Sharing Based on Multilayer Blockchain. Applied Sciences (Switzerland), 2019, 9, 5159.	1.3	18
7	Differential Privacy Techniques for Cyber Physical Systems: A Survey. IEEE Communications Surveys and Tutorials, 2020, 22, 746-789.	24.8	335
8	Design of a Trustless Smart City system: The #SmartME experiment. Internet of Things (Netherlands), 2020, 10, 100126.	4.9	10
9	How should we understand the digital economy in Asia? Critical assessment and research agenda. Electronic Commerce Research and Applications, 2020, 44, 101004.	2.5	155
10	Satellite-Aided Consensus Protocol for Scalable Blockchains. Sensors, 2020, 20, 5616.	2.1	11
11	A survey on recent optimal techniques for securing <scp>unmanned aerial vehicles</scp> applications. Transactions on Emerging Telecommunications Technologies, 2021, 32, e4133.	2.6	55
12	Resource Optimization for Delay-Tolerant Data in Blockchain-Enabled IoT With Edge Computing: A Deep Reinforcement Learning Approach. IEEE Internet of Things Journal, 2020, 7, 9399-9412.	5.5	74
13	Blockchain Based Trading Platform for Electric Vehicle Charging in Smart Cities. IEEE Open Journal of Intelligent Transportation Systems, 2020, 1, 80-92.	2.6	44
14	Potential integration of blockchain technology into smart sustainable city (SSC) developments: a systematic review. Smart and Sustainable Built Environment, 2022, 11, 559-574.	2.2	29
15	Application of Financial Cloud in the Sustainable Development of Smart Cities. Complexity, 2020, 2020, 1-11.	0.9	1
16	A Survey on the Usage of Blockchain Technology for Cyber-Threats in the Context of Industry 4.0. Sustainability, 2020, 12, 9179.	1.6	44
17	Security, Privacy and Risks Within Smart Cities: Literature Review and Development of a Smart City Interaction Framework. Information Systems Frontiers, 2022, 24, 393-414.	4.1	158
18	Blockchain technology applications in power distribution systems. Electricity Journal, 2020, 33, 106817.	1.3	32

#	Article	IF	Citations
19	A blockchain-based decentralized energy management in a P2P trading system. , 2020, , .		12
20	A DLT-based Trust Framework for IoT Ecosystems. , 2020, , .		4
21	6G Wireless Systems: A Vision, Architectural Elements, and Future Directions. IEEE Access, 2020, 8, 147029-147044.	2.6	193
22	Blockchain Radio Access Network Beyond 5G. IEEE Wireless Communications, 2020, 27, 160-168.	6.6	31
23	BlockSIEM: Protecting Smart City Services through a Blockchain-based and Distributed SIEM. Sensors, 2020, 20, 4636.	2.1	20
24	Applications of Blockchain Technology for Smart Cities. , 2020, , .		6
25	Disruptive Technologies in Smart Cities: A Survey on Current Trends and Challenges. Smart Cities, 2020, 3, 1022-1038.	5. 5	59
26	Smart Parking System With Privacy Preservation and Reputation Management Using Blockchain. IEEE Access, 2020, 8, 150823-150843.	2.6	46
27	Delegated Proof of Reputation Consensus Mechanism for Blockchain-Enabled Distributed Carbon Emission Trading System. IEEE Access, 2020, 8, 214932-214944.	2.6	26
28	Block Chain Based Internet of Medical Things for Uninterrupted, Ubiquitous, User-Friendly, Unflappable, Unblemished, Unlimited Health Care Services (BC IoMT U ⁶ HCS). IEEE Access, 2020, 8, 216856-216872.	2.6	57
29	Simulation of Enterprise Human Resource Scheduling Algorithm Optimization in the Context of Smart City. Complexity, 2020, 2020, 1-10.	0.9	2
30	Internet of Things-Supported Smart City Platform. IOP Conference Series: Materials Science and Engineering, 2020, 955, 012003.	0.3	11
31	Application of Blockchain Technology in Dynamic Resource Management of Next Generation Networks. Information (Switzerland), 2020, 11, 570.	1.7	16
32	Transactive energy markets for managing energy exchanges in power distribution systems. Electricity Journal, 2020, 33, 106868.	1.3	26
33	Practical Modeling and Analysis of Blockchain Radio Access Network. IEEE Transactions on Communications, 2020, , 1 -1.	4.9	27
34	Technological Aspects of Blockchain Application for Vehicle-to-Network. Information (Switzerland), 2020, 11, 465.	1.7	29
35	Blockchain for Digital Twins: Recent Advances and Future Research Challenges. IEEE Network, 2020, 34, 290-298.	4.9	136
36	Electronic agriculture, blockchain and digital agricultural democratization: Origin, theory and application. Journal of Cleaner Production, 2020, 268, 122071.	4.6	57

#	ARTICLE	IF	CITATIONS
37	A Review of Intrusion Detection and Blockchain Applications in the Cloud: Approaches, Challenges and Solutions. IEEE Access, 2020, 8, 104893-104917.	2.6	53
38	A survey on consensus methods in blockchain for resource-constrained IoT networks. Internet of Things (Netherlands), 2020, 11, 100212.	4.9	79
39	Differential privacy in blockchain technology: A futuristic approach. Journal of Parallel and Distributed Computing, 2020, 145, 50-74.	2.7	58
40	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
41	Towards Blockchain-Based Architecture for Smart Cities Cyber-Security., 2020,,.		3
42	Smart Cities: A Survey on New Developments, Trends, and Opportunities. Journal of Industrial Integration and Management, 2020, 05, 311-326.	3.1	22
43	A Blockchain-Based Load Balancing in Decentralized Hybrid P2P Energy Trading Market in Smart Grid. IEEE Access, 2020, 8, 47047-47062.	2.6	114
44	Blockchain Based Academic Records Verification in Smart Cities. Wireless Personal Communications, 2020, 113, 1397-1406.	1.8	15
45	Blockchain, an enabling technology for transparent and accountable decentralized public participatory GIS. Cities, 2020, 105, 102850.	2.7	34
46	Blockchain for smart cities: A review of architectures, integration trends and future research directions. Sustainable Cities and Society, 2020, 61, 102360.	5.1	201
47	Blockchain and Machine Learning for Communications and Networking Systems. IEEE Communications Surveys and Tutorials, 2020, 22, 1392-1431.	24.8	167
48	Applications of blockchain in unmanned aerial vehicles: A review. Vehicular Communications, 2020, 23, 100249.	2.7	130
49	Network Slicing: Recent Advances, Taxonomy, Requirements, and Open Research Challenges. IEEE Access, 2020, 8, 36009-36028.	2.6	121
50	The Future of Healthcare Internet of Things: A Survey of Emerging Technologies. IEEE Communications Surveys and Tutorials, 2020, 22, 1121-1167.	24.8	475
51	TCitySmartF: A Comprehensive Systematic Framework for Transforming Cities Into Smart Cities. IEEE Access, 2020, 8, 18615-18644.	2.6	46
52	Microgrid Transactive Energy: Review, Architectures, Distributed Ledger Technologies, and Market Analysis. IEEE Access, 2020, 8, 19410-19432.	2.6	223
53	Decentralized Authentication of Distributed Patients in Hospital Networks Using Blockchain. IEEE Journal of Biomedical and Health Informatics, 2020, 24, 2146-2156.	3.9	137
54	Securing Smart Cities through Blockchain Technology: Architecture, Requirements, and Challenges. IEEE Network, 2020, 34, 8-14.	4.9	141

#	Article	IF	CITATIONS
55	Blockchain-Enabled Cross-Domain Object Detection for Autonomous Driving: A Model Sharing Approach. IEEE Internet of Things Journal, 2020, 7, 3681-3692.	5.5	60
56	Blockchain Meets Cloud Computing: A Survey. IEEE Communications Surveys and Tutorials, 2020, 22, 2009-2030.	24.8	199
57	Edge-Computing-Enabled Smart Cities: A Comprehensive Survey. IEEE Internet of Things Journal, 2020, 7, 10200-10232.	5.5	219
58	Interaction design research based on large data rule mining and blockchain communication technology. Soft Computing, 2020, 24, 16593-16604.	2.1	26
59	Survey on blockchain-based applications in internet of vehicles. Computers and Electrical Engineering, 2020, 84, 106646.	3.0	75
60	Blockchain for Cybersecurity in Smart Grid: A Comprehensive Survey. IEEE Transactions on Industrial Informatics, 2021, 17, 3-19.	7.2	109
61	Ethereum smart contract security research: survey and future research opportunities. Frontiers of Computer Science, 2021, 15, 1.	1.6	98
62	Convergence of Blockchain and Edge Computing for Secure and Scalable IIoT Critical Infrastructures in Industry 4.0. IEEE Internet of Things Journal, 2021, 8, 2300-2317.	5.5	153
63	Blockchain for the Internet of Vehicles Towards Intelligent Transportation Systems: A Survey. IEEE Internet of Things Journal, 2021, 8, 4157-4185.	5.5	213
64	Security and blockchain convergence with Internet of Multimedia Things: Current trends, research challenges and future directions. Journal of Network and Computer Applications, 2021, 175, 102918.	5.8	36
65	Big data visualization of the quantification of influencing factors and key monitoring indicators in the refined oil products market based on fuzzy mathematics. Journal of Intelligent and Fuzzy Systems, 2021, 40, 6219-6229.	0.8	4
66	Blockchain-Based Edge Computing Resource Allocation in IoT: A Deep Reinforcement Learning Approach. IEEE Internet of Things Journal, 2021, 8, 2226-2237.	5.5	93
67	Blockchain-Based Secure Computation Offloading in Vehicular Networks. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 4073-4087.	4.7	27
68	Security and Privacy in Internet of Things-Enabled Smart Cities: Challenges and Future Directions. IEEE Security and Privacy, 2021, 19, 12-23.	1.5	14
69	BIDAPSCA5G: Blockchain based Internet of Things (IoT) device to device authentication protocol for smart city applications using 5G technology. Peer-to-Peer Networking and Applications, 2021, 14, 403-419.	2.6	46
70	Blockchain-Enabled Cyber–Physical Systems: A Review. IEEE Internet of Things Journal, 2021, 8, 4023-4034.	5.5	47
71	Vehicle Position Correction: A Vehicular Blockchain Networks-Based GPS Error Sharing Framework. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 898-912.	4.7	67
72	BZKP: Blockchain-based zero-knowledge proof model for enhancing healthcare security in Bahrain IoT smart cities and COVID-19 risk mitigation. Arab Journal of Basic and Applied Sciences, 2021, 28, 154-171.	1.0	20

#	ARTICLE	IF	CITATIONS
73	Potential Identity Resolution Systems for the Industrial Internet of Things: A Survey. IEEE Communications Surveys and Tutorials, 2021, 23, 391-430.	24.8	27
74	A Blockchain-Based Dual-Side Privacy-Preserving Multiparty Computation Scheme for Edge-Enabled Smart Grid. IEEE Internet of Things Journal, 2022, 9, 14287-14299.	5.5	26
75	Blockchain Technology for IoT. Advances in Information Security, Privacy, and Ethics Book Series, 2021, , 175-200.	0.4	1
76	Blockchain in a Nutshell. Advances in Data Mining and Database Management Book Series, 2021, , 124-143.	0.4	9
77	Privacy-Preserving Blockchain-Based Federated Learning for Marine Internet of Things. IEEE Transactions on Computational Social Systems, 2022, 9, 159-173.	3.2	19
78	An Edge Trajectory Protection Approach Using Blockchain. Lecture Notes in Computer Science, 2021, , 647-658.	1.0	0
79	Understanding the Trends in Blockchain Domain Through an Unsupervised Systematic Patent Analysis. IEEE Transactions on Engineering Management, 2023, 70, 1991-2005.	2.4	12
80	Efficient and Privacy-Preserving Infection Control System for Covid-19-Like Pandemics Using Blockchain. IEEE Internet of Things Journal, 2022, 9, 2744-2760.	5.5	9
81	Public Participation Consortium Blockchain for Smart City Governance. IEEE Internet of Things Journal, 2022, 9, 2094-2108.	5 . 5	34
82	Coupling Blockchain with Emerging Real-Life Applications. SpringerBriefs in Computer Science, 2021, , 59-69.	0.2	0
83	The Intersection of Blockchain and 6G Technologies. Computer Communications and Networks, 2021, , 393-417.	0.8	1
84	Cloud/edge computing for smart cities. , 2021, , 153-169.		0
85	An Effective Data Sharing Scheme Based on Blockchain in Vehicular Social Networks. Electronics (Switzerland), 2021, 10, 114.	1.8	10
86	Deposit Decision Model for Data Brokers in Distributed Personal Data Markets Using Blockchain. IEEE Access, 2021, 9, 114715-114726.	2.6	2
87	Design of Secure Decentralized Car-Sharing System Using Blockchain. IEEE Access, 2021, 9, 54796-54810.	2.6	29
88	Smart Approach to Management of Energy Resources in Smart Cities: Evaluation of Models and Methods. Green Energy and Technology, 2021, , 3-16.	0.4	1
89	An Integrated Platform for Vehicle-Related Services and Records Management Using Blockchain Technology. Communications in Computer and Information Science, 2021, , 337-351.	0.4	2
90	Fusion of Blockchain Technology with 5G: A Symmetric Beginning. , 2021, , 61-81.		2

#	Article	IF	Citations
91	ChainSensing: A Novel Mobile Crowdsensing Framework With Blockchain. IEEE Internet of Things Journal, 2022, 9, 2999-3010.	5 . 5	9
92	Barriers to blockchain adoption in health-care industry: an Indian perspective. Journal of Global Operations and Strategic Sourcing, 2021, 14, 134-169.	3.4	42
93	Blockchain Technology. Advances in Data Mining and Database Management Book Series, 2021, , 215-247.	0.4	1
94	Blockchain Integrated Framework for Resolving Privacy Issues in Smart City. Advanced Sciences and Technologies for Security Applications, 2021, , 109-133.	0.4	6
95	Design of Networked Secure and Real-Time Control Based on Blockchain Techniques. IEEE Transactions on Industrial Electronics, 2022, 69, 4096-4106.	5.2	10
96	Systematic literature review on the security challenges of blockchain in IoT-based smart cities. Kybernetes, 2022, 51, 323-347.	1.2	30
97	6G Enabled Smart Infrastructure for Sustainable Society: Opportunities, Challenges, and Research Roadmap. Sensors, 2021, 21, 1709.	2.1	120
98	High Security Ubiquitous H-IoT on a WBAN-based EHR using Blockchain., 2021,,.		4
99	A blockchain based incentive provisioning scheme for traffic event validation and information storage in VANETs. Information Processing and Management, 2021, 58, 102464.	5 . 4	56
100	Blockchain-based authentication and authorization for smart city applications. Information Processing and Management, 2021, 58, 102468.	5.4	268
101	Applications of the Internet of Things (IoT) in Smart Logistics: A Comprehensive Survey. IEEE Internet of Things Journal, 2021, 8, 4250-4274.	5 . 5	102
102	An ISM Modeling of Barriers for Blockchain/Distributed Ledger Technology Adoption in Supply Chains towards Cybersecurity. Sustainability, 2021, 13, 4672.	1.6	37
103	Blockchain-enabled wireless communications: a new paradigm towards 6G. National Science Review, 2021, 8, nwab069.	4.6	52
104	CoopEdge: A Decentralized Blockchain-based Platform for Cooperative Edge Computing. , 2021, , .		85
105	The Application of Blockchain in Sunshine Government Affairs : â€"â€"Student Allocation System As an Example. , 2021, , .		1
106	A Survey of State-of-the-Art on Blockchains. ACM Computing Surveys, 2022, 54, 1-42.	16.1	68
107	Health-BlockEdge: Blockchain-Edge Framework for Reliable Low-Latency Digital Healthcare Applications. Sensors, 2021, 21, 2502.	2.1	35
108	Game Analysis of Dynamic Planning Evolution for the Optimization of Community Governance Structure in Smart Cities. Complexity, 2021, 2021, 1-10.	0.9	0

#	Article	IF	CITATIONS
109	Amalgamation of blockchain and IoT for smart cities underlying 6G communication: A comprehensive review. Computer Communications, 2021, 172, 102-118.	3.1	74
110	Trustworthiness for Transportation Ecosystems: The Blockchain Vehicle Information System. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 2013-2022.	4.7	14
111	SmartOil: Blockchain and smart contractâ€based oil supply chain management. IET Blockchain, 2021, 1, 95-104.	1.1	14
112	Conceptual Technological Framework for Smart Cities to Move towards Decentralized and User-Centric Architectures Using DLT. Smart Cities, 2021, 4, 728-745.	5 . 5	6
113	Framework of sustainable urban spatial development model based on smart cities. , 2021, , .		0
114	On the construction of a post-quantum blockchain for smart city. Journal of Information Security and Applications, 2021, 58, 102780.	1.8	23
115	The Integration of Blockchain Technology and Smart Grid: Framework and Application. Mathematical Problems in Engineering, 2021, 2021, 1-12.	0.6	13
116	Blockchain for IoT-based smart cities: Recent advances, requirements, and future challenges. Journal of Network and Computer Applications, 2021, 181, 103007.	5.8	139
117	Role of emerging technologies in future IoT-driven Healthcare 4.0 technologies: a survey, current challenges and future directions. Journal of Ambient Intelligence and Humanized Computing, 2023, 14, 361-407.	3.3	63
118	Smart contracts for automated control system in Blockchain based smart cities. Journal of Ambient Intelligence and Smart Environments, 2021, , 1-15.	0.8	23
119	SMARTIES Project: The Survey of Needs for Municipalities and Trainers for Smart Cities. Challenges, 2021, 12, 13.	0.9	1
121	Blockchain-empowered Data-driven Networks. ACM Computing Surveys, 2022, 54, 1-38.	16.1	20
122	SeDID: An SGX-enabled decentralized intrusion detection framework for network trust evaluation. Information Fusion, 2021, 70, 100-114.	11.7	30
123	Conceptualizing smart city applications: Requirements, architecture, security issues, and emerging trends. Expert Systems, 2022, 39, .	2.9	104
124	Security of Blockchain-Based Supply Chain Management Systems: Challenges and Opportunities. Applied Sciences (Switzerland), 2021, 11, 5585.	1.3	34
125	An efficient anonymous authentication and key agreement scheme with privacy-preserving for smart cities. International Journal of Distributed Sensor Networks, 2021, 17, 155014772110268.	1.3	22
126	Towards a GDPR-Compliant Blockchain-Based COVID Vaccination Passport. Applied Sciences (Switzerland), 2021, 11, 6132.	1.3	25
127	Blockchain technology protects diplomas against fraud. , 2021, , .		2

#	Article	IF	CITATIONS
128	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
129	Knowledge Distillation for Wireless Edge Learning. , 2021, , .		0
130	A unified blockchain-based platform for global e-waste management. International Journal of Web Information Systems, 2021, 17, 449-479.	1.3	21
131	BIoTHR: Electronic Health Record Servicing Scheme in IoT-Blockchain Ecosystem. IEEE Internet of Things Journal, 2021, 8, 10857-10872.	5.5	61
132	Dual-hop Blockchain Radio Access Networks for Advanced Coverage Expansion. , 2021, , .		1
133	Can blockchain link the future?. Digital Communications and Networks, 2022, 8, 687-694.	2.7	20
134	Taxonomy of centralization in public blockchain systems: A systematic literature review. Information Processing and Management, 2021, 58, 102584.	5.4	43
135	Innovative blockchain-based farming marketplace and smart contract performance evaluation. Journal of Cleaner Production, 2021, 306, 127055.	4.6	49
136	Blockchain Technology in Healthcare Big Data Management: Benefits, Applications and Challenges. , 2021, , .		13
137	Security-Aware computation offloading for Mobile edge computing-Enabled smart city. Journal of Cloud Computing: Advances, Systems and Applications, 2021, 10, .	2.1	7
138	Assessing the Role and Use of Blockchain Technology in the Hospitality and Leisure Industry. International Journal of Innovative Technology and Exploring Engineering, 2021, 10, 148-151.	0.2	0
139	Blockchain-Based User Authentication in Cloud Governance Model. Lecture Notes in Networks and Systems, 2022, , 815-825.	0.5	1
140	Blockchain for securing aerial communications: Potentials, solutions, and research directions. Physical Communication, 2021, 47, 101390.	1.2	17
141	Public Blockchains for Resource-Constrained IoT Devicesâ€"A State-of-the-Art Survey. IEEE Internet of Things Journal, 2021, 8, 11960-11982.	5.5	29
142	Enabling Massive IoT Toward 6G: A Comprehensive Survey. IEEE Internet of Things Journal, 2021, 8, 11891-11915.	5.5	282
143	Blockchain Applications in UAV-Towards Aviation 4.0. Studies in Systems, Decision and Control, 2022, , 411-430.	0.8	10
144	Blockchain Technology for Property Sales and Registration. EAI/Springer Innovations in Communication and Computing, 2022, , 149-163.	0.9	0
145	Dynamic threshold ECDSA signature and application to asset custody in blockchain. Journal of Information Security and Applications, 2021, 61, 102805.	1.8	4

#	Article	IF	CITATIONS
146	Blockchain cities: the futuristic cities driven by Blockchain, big data and internet of things. Geo Journal, 2022, 87, 5383-5412.	1.7	15
147	Blockchain management and machine learning adaptation for IoT environment in 5G and beyond networks: A systematic review. Computer Communications, 2021, 178, 37-63.	3.1	30
148	Economic and environmental impacts of energy efficiency over smart cities and regulatory measures using a smart technological solution. Sustainable Energy Technologies and Assessments, 2021, 47, 101422.	1.7	16
149	On the Design and Implementation of a Blockchain Enabled E-Voting Application Within IoT-Oriented Smart Cities. IEEE Access, 2021, 9, 34165-34176.	2.6	65
150	Internet of Intelligent Things: Injection of Intelligence into IoT Devices., 2021,, 85-102.		7
151	Blockchain for Public Services: A Systematic Literature Review. IEEE Access, 2021, 9, 13904-13921.	2.6	62
152	A Blockchain Assisted Vehicular Pseudonym Issuance and Management System for Conditional Privacy Enhancement. IEEE Access, 2021, 9, 127305-127319.	2.6	15
153	A Survey of Decentralizing Applications via Blockchain: The 5G and Beyond Perspective. IEEE Communications Surveys and Tutorials, 2021, 23, 2191-2217.	24.8	60
154	Is Blockchain Technology Secure to Work On?. Advances in Data Mining and Database Management Book Series, 2021, , 66-80.	0.4	7
155	Optimizing Blockchain Based Smart Grid Auctions: A Green Revolution. IEEE Transactions on Green Communications and Networking, 2022, 6, 462-471.	3.5	13
156	Boosting the Decision-Making in Smart Ports by Using Blockchain. IEEE Access, 2021, 9, 128055-128068.	2.6	17
157	A Survey on Blockchain Technology: Evolution, Architecture and Security. IEEE Access, 2021, 9, 61048-61073.	2.6	182
158	Edge Intelligence and Internet of Things in Healthcare: A Survey. IEEE Access, 2021, 9, 45-59.	2.6	110
159	Blockchain for healthcare data management: opportunities, challenges, and future recommendations. Neural Computing and Applications, 2022, 34, 11475-11490.	3.2	165
160	Blockchain for Waste Management in Smart Cities: A Survey. IEEE Access, 2021, 9, 131520-131541.	2.6	32
161	Blockchain Valuation: Internet of Value and Smart Transactions. , 2020, , 401-422.		4
162	Blockchain for Smart Cities: A Systematic Literature Review. Lecture Notes in Business Information Processing, 2020, , 169-187.	0.8	3
163	Challenges, issues and opportunities for the development of smart grid. International Journal of Electrical and Computer Engineering, 2020, 10, 1179.	0.5	20

#	Article	IF	CITATIONS
164	Blockchain-Based Multimedia Content Protection: Review and Open Challenges. Applied Sciences (Switzerland), $2021,11,1.$	1.3	357
165	Blockchain Powered Smart Cities. Communications on Applied Electronics, 2019, 7, 7-11.	0.4	1
166	Blockchain for Edge of Things: Applications, Opportunities, and Challenges. IEEE Internet of Things Journal, 2022, 9, 964-988.	5.5	90
167	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
168	THE ROLE OF BLOCKCHAIN TECHNOLOGY IN SMART CITY. , 2021, 5, .		0
169	Blockchain Technology Enables Healthcare Data Management and Accessibility. Environmental Footprints and Eco-design of Products and Processes, 2022, , 91-118.	0.7	3
170	Blockchain technology in the smart city: a bibliometric review. Quality and Quantity, 2022, 56, 2875-2906.	2.0	35
171	Survey on blockchain for future smart grids: Technical aspects, applications, integration challenges and future research. Energy Reports, 2021, 7, 6530-6564.	2.5	58
172	A survey on applications of Alternating Direction Method of Multipliers in smart power grids. Renewable and Sustainable Energy Reviews, 2021, 152, 111687.	8.2	16
174	What differentiates a smart city? a comparison with a basic city. , 2019, , .		2
175	Blockchain technology in 5G networks. Scientific and Technical Journal of Information Technologies, Mechanics and Optics, 2020, 20, 472-484.	0.1	3
176	Data Management Plan for Clinical Trials in a Blockchain Environment. The Journal of Korean Institute of Information Technology, 2021, 19, 137-143.	0.1	1
177	Blockchain Technology: Concept, Applications, Challenges, and Security Threats. EAI/Springer Innovations in Communication and Computing, 2021, , 77-104.	0.9	2
178	Amalgamation of Advanced Technologies for Sustainable Development of Smart City Environment: A Review. IEEE Access, 2021, 9, 150060-150087.	2.6	40
179	Blockchain-Based Energy Applications: The DSO Perspective. IEEE Access, 2021, 9, 145605-145625.	2.6	14
180	Fog Computing in 5G Enabled Smart Cities: Conceptual Framework, Overview and Challenges., 2019,,.		9
181	Education Transformation Using Block Chain Technology - A Student Centric Model. IFIP Advances in Information and Communication Technology, 2020, , 201-217.	0.5	6
182	Blockchain-Based Forward and Reverse Supply Chains for E-waste Management. Lecture Notes in Computer Science, 2020, , 201-220.	1.0	11

#	Article	IF	Citations
183	Synergy of Trust, Blockchain and Smart Contracts for Optimization of Decentralized IoT Service Platforms. Advances in Intelligent Systems and Computing, 2020, , 547-558.	0.5	0
184	A Secure Cross-Shard View-Change Protocol for Sharding Blockchains. Lecture Notes in Computer Science, 2021, , 372-390.	1.0	4
186	Disruptive technologies as a solution for disaster risk management: A review. Science of the Total Environment, 2022, 806, 151351.	3.9	55
187	Blockchain Solutions in Education. , 2020, , .		4
188	Internet of Cross-Chains: Model-Driven Cross-Chain as a Service Platform for the Internet of Everything in Smart City. IEEE Consumer Electronics Magazine, 2023, 12, 85-97.	2.3	4
189	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
190	Blockchain technology as a Fog computing security and privacy solution: An overview. Computer Communications, 2022, 182, 129-152.	3.1	38
191	A Study on Data Sharing Using Blockchain System and Its Challenges and Applications. Advances in Information Security, Privacy, and Ethics Book Series, 2022, , 199-218.	0.4	0
192	Smart City Dimensions and Associated Risks: Review of literature. Sustainable Cities and Society, 2022, 77, 103542.	5.1	61
193	Applications of Integrated IoT-Fog-Cloud Systems to Smart Cities: A Survey. Electronics (Switzerland), 2021, 10, 2918.	1.8	8
194	Blockchain-Based Context-Aware Authorization Management as a Service in IoT. Sensors, 2021, 21, 7656.	2.1	5
195	Blockchain-Based Authentication in Internet of Vehicles: A Survey. Sensors, 2021, 21, 7927.	2.1	34
196	Blockchain for Smart Mobilityâ€"Literature Review and Future Research Agenda. Sustainability, 2021, 13, 13268.	1.6	18
197	Blockchain-Empowered Space-Air-Ground Integrated Networks: Opportunities, Challenges, and Solutions. IEEE Communications Surveys and Tutorials, 2022, 24, 160-209.	24.8	66
198	Differential Privacy for IoT-Enabled Critical Infrastructure: A Comprehensive Survey. IEEE Access, 2021, 9, 153276-153304.	2.6	27
199	A Survey on Blockchain-Based Telecommunication Services Marketplaces. IEEE Transactions on Network and Service Management, 2022, 19, 228-255.	3.2	18
200	Security-Aware and Privacy-Preserving Personal Health Record Sharing Using Consortium Blockchain. IEEE Internet of Things Journal, 2022, 9, 12014-12028.	5.5	28
201	A Survey on Spectrum Management for Unmanned Aerial Vehicles (UAVs). IEEE Access, 2022, 10, 11443-11499.	2.6	29

#	Article	IF	CITATIONS
202	Can Smart City Construction Promote City Informatization?. Lecture Notes in Electrical Engineering, 2021, , 489-495.	0.3	0
203	Blockchain-Guided Dynamic Best-Relay Selection for Trustworthy Vehicular Communication. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 13678-13693.	4.7	5
204	Developing future human-centered smart cities: Critical analysis of smart city security, Data management, and Ethical challenges. Computer Science Review, 2022, 43, 100452.	10.2	62
205	Interpretive Structural Modelling to assess the enablers of blockchain technology in supply chain. , 2020, , .		3
206	Exploration of Solutions for Smart Cities: Challenges in Privacy and Security., 2020,,.		1
207	Blockchain-Enabled Targeted Information Dissemination Framework in Vehicular Networks. , 2020, , .		1
208	A Secure Data Request and Sharing Model Based on Consortium Blockchain in Vehicular Edge Computing Environment. , 2020, , .		1
209	Blockchain for Distributed Consistency: A Cliquebased Framework for Multi-agent Systems. , 2021, , .		0
210	Edge Computing for Secured IoT Analytics on the Cloud. Advances in Computational Intelligence and Robotics Book Series, 2022, , 162-175.	0.4	0
211	Integration of Fog Computing for Health Record Management Using Blockchain Technology. Computers, Materials and Continua, 2022, 71, 4135-4149.	1.5	7
212	A Comprehensive Survey on Blockchain in Industrial Internet of Things: Motivations, Research Progresses, and Future Challenges. IEEE Communications Surveys and Tutorials, 2022, 24, 88-122.	24.8	93
213	Security of Vehicular Ad Hoc Networks using blockchain: A comprehensive review. Vehicular Communications, 2022, 34, 100458.	2.7	33
214	Blockchain Technology for Intelligent Transportation Systems: A Systematic Literature Review. IEEE Access, 2022, 10, 20995-21031.	2.6	70
215	Blockchain Protocol-Based Predictive Secure Control for Networked Systems. IEEE Transactions on Industrial Electronics, 2023, 70, 783-792.	5.2	15
216	Distributed Ledger Technologies for Network Slicing: A Survey. IEEE Access, 2022, 10, 19412-19442.	2.6	16
217	A survey on blockchain-based Recommender Systems: Integration architecture and taxonomy. Computer Communications, 2022, 187, 1-19.	3.1	10
218	Blockchain-Oriented Privacy Protection of Sensitive Data in the Internet of Vehicles. IEEE Transactions on Intelligent Vehicles, 2023, 8, 1057-1067.	9.4	20
219	Need, Role, and Impact of Blockchain in the Manufacturing and Logistics Industries. Advances in Business Information Systems and Analytics Book Series, 2022, , 1-24.	0.3	0

#	Article	IF	CITATIONS
220	A Secure and Efficient Decentralized Access Control Scheme Based on Blockchain for Vehicular Social Networks. IEEE Internet of Things Journal, 2022, 9, 17938-17952.	5.5	8
221	Rvc: An Reputation and Voting Based Blockchain Consensus Mechanism for Edge Computing-Enabled lot Systems. SSRN Electronic Journal, 0, , .	0.4	O
222	Integrating Blockchain with Education: Proposed Model, Prospects and Challenges., 2022,, 87-111.		4
224	Secure Unmanned Aerial Vehicle (UAV) Communication using Blockchain Technology. Lecture Notes in Electrical Engineering, 2022, , 201-211.	0.3	5
225	The Integration of Blockchain With IoT in Smart Appliances. Impact of Meat Consumption on Health and Environmental Sustainability, 2022, , 223-246.	0.4	6
226	Assessment of the impact of blockchain technology in the banking industry. Materials Today: Proceedings, 2022, 56, 2221-2226.	0.9	6
227	Digest of Blockchain Technologies to Design System for Big Image Data Provenance and Security. Communications in Computer and Information Science, 2022, , 33-47.	0.4	1
228	Realizing the Potential of Blockchain in Cancer Research. Studies in Computational Intelligence, 2022, , 455-467.	0.7	0
229	A Comprehensive Survey on the Applications of Blockchain for Securing Vehicular Networks. IEEE Communications Surveys and Tutorials, 2022, 24, 1212-1239.	24.8	43
231	Introducing a Smart City Component in a Robotic Competition: A Field Report. Frontiers in Robotics and Al, 2022, 9, 728628.	2.0	7
232	Blockchain's coming to hospital to digitalize healthcare services: Designing a distributed electronic health record ecosystem. Technovation, 2023, 120, 102480.	4.2	53
233	A Contemporary Survey on IoT Based Smart Cities: Architecture, Applications, and Open Issues. Wireless Personal Communications, 2022, 125, 2319-2367.	1.8	12
234	When blockchain meets smart grids: A comprehensive survey. High-Confidence Computing, 2022, 2, 100059.	2.2	32
235	State-of-the-art solutions of blockchain technology for data dissemination in smart cities: A comprehensive review. Computer Communications, 2022, 189, 120-147.	3.1	12
236	Blockchain-based P2P power trading mechanism for PV prosumer. Energy Reports, 2022, 8, 300-310.	2.5	11
237	Survey on Blockchain for Smart Grid Management, Control, and Operation. Energies, 2022, 15, 193.	1.6	25
238	A New Credit Data Evaluation Scheme Based on Blockchain and Smart Contract. Lecture Notes on Data Engineering and Communications Technologies, 2022, , 247-256.	0.5	1
239	Going beyond Cryptocurrencies: The Social Representation of Blockchain. Sustainability, 2021, 13, 14054.	1.6	4

#	Article	IF	CITATIONS
240	Potential Applications of 6G-Enabling Technologies and Challenges. Advances in Wireless Technologies and Telecommunication Book Series, 2022, , 114-137.	0.3	0
241	Survival of Blockchain Process and Block Chain Technology. , 2022, , .		0
242	Performance Evaluation of Blockchains Towards Sharing of Digital Twins., 2022,,.		2
243	Online Voting System Using Blockchain. , 2022, , .		1
244	A Parking Sharing Network Over Blockchain With Proof-of-Planned-Behavior Consensus Protocol. IEEE Transactions on Vehicular Technology, 2022, 71, 8124-8136.	3.9	5
245	Efficient Blockchain Scheme for IoT Data Storage and Manipulation in Smart City Environment. IEEE Transactions on Green Communications and Networking, 2022, 6, 1660-1670.	3.5	2
246	A Federated Blockchain Approach for Fertility Preservation and Assisted Reproduction in Smart Cities. Smart Cities, 2022, 5, 583-607.	5.5	2
247	Investigation into the Reliability and Encryption Performance of Wireless Signal Transmission by Network Coding Combined with Blockchain in Natural Disaster Scenarios. Wireless Communications and Mobile Computing, 2022, 2022, 1-10.	0.8	0
248	Blockchain-Enabled Federated Learning for UAV Edge Computing Network: Issues and Solutions. IEEE Access, 2022, 10, 56591-56610.	2.6	21
249	Blockchain-based IoT enabled health monitoring system. Journal of Supercomputing, 2022, 78, 17284-17308.	2.4	9
250	Blockchain-Based Internet of Vehicles for Intelligent Transportation System Using Fog Computing. Lecture Notes on Data Engineering and Communications Technologies, 2022, , 827-835.	0.5	1
251	Keyword search over encrypted cloud data based on blockchain in smart medical applications. Computer Communications, 2022, 192, 33-47.	3.1	12
252	The Roadmap of Communication and Networking in 6G for the Metaverse. IEEE Wireless Communications, 2023, 30, 72-81.	6.6	72
253	A blockchain-based integrated and interconnected hybrid platform for Smart City ecosystem. Peer-to-Peer Networking and Applications, 2022, 15, 2116-2141.	2.6	3
254	Edge AI and Blockchain for Smart Sustainable Cities: Promise and Potential. Sustainability, 2022, 14, 7609.	1.6	24
255	The Impact of Digital Economy of Resource-Based City on Carbon Emissions Trading by Blockchain Technology. Computational Intelligence and Neuroscience, 2022, 2022, 1-10.	1.1	6
257	Integrating Edge Intelligence and Blockchain: What, Why, and How. IEEE Communications Surveys and Tutorials, 2022, 24, 2193-2229.	24.8	13
258	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

#	Article	IF	CITATIONS
261	Blockchain-Enabled Emergency Detection and Response in Mobile Healthcare System., 2022, , .		4
262	Building Green Smart City Capabilities in South Sumatra, Indonesia. Sustainability, 2022, 14, 7695.	1.6	7
263	Security and Privacy Challenges using IoT-Blockchain Technology in a Smart City: Critical Analysis. International Journal of Electrical & Electronics Research, 2022, 10, 190-195.	1.0	10
264	Blockchain for Modern Applications: A Survey. Sensors, 2022, 22, 5274.	2.1	58
265	PharmaChain: A blockchain to ensure counterfeitâ€free pharmaceutical supply chain. IET Networks, 2023, 12, 53-76.	1.1	8
267	Blockchain-Based Distributed Renewable Energy Management Framework. IEEE Access, 2022, 10, 81888-81898.	2.6	2
268	Development and Performance Evaluation of a Blockchain Associated E-Voting System in IoT-Enabled Smart-Cities., 2022,,.		1
269	AgroBLF: blockchain-based framework for smart agriculture. Innovations in Systems and Software Engineering, 0, , .	1.6	1
270	Internet of Things and Blockchain Integration: Security, Privacy, Technical, and Design Challenges. Future Internet, 2022, 14, 216.	2.4	20
271	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
272	An Effective Sharding Consensus Algorithm for Blockchain Systems. Electronics (Switzerland), 2022, 11, 2597.	1.8	3
273	Credit Risk Evaluation in Enterprise Financial Management by Using Convolutional Neural Network under the Construction of Smart City. Security and Communication Networks, 2022, 2022, 1-8.	1.0	5
274	Climateâ€smart agriculture using intelligent techniques, blockchain and Internet of Things: Concepts, challenges, and opportunities. Transactions on Emerging Telecommunications Technologies, 2022, 33, .	2.6	15
275	Blockchain verification and validation: Techniques, challenges, and research directions. Computer Science Review, 2022, 45, 100492.	10.2	7
276	Transformational approach to subcontractor selection using blockchain-enabled smart contract as trust-enhancing technology. Automation in Construction, 2022, 142, 104538.	4.8	9
277	A systematic review of technologies and solutions to improve security and privacy protection of citizens in the smart city. Internet of Things (Netherlands), 2022, 20, 100584.	4.9	21
279	Blockchain-based vehicular ad-hoc networks: A comprehensive survey. Ad Hoc Networks, 2022, 137, 102980.	3.4	12
280	Ultimate approach and technologies in smart healthcare: A broad systematic review focused on citizens. Smart Health, 2022, 26, 100310.	2.0	1

#	Article	IF	CITATIONS
281	Decision support system for blockchain (DLT) platform selection based on ITU recommendations: A systematic literature review approach. Expert Systems With Applications, 2023, 211, 118704.	4.4	5
282	An Intelligent Security Framework Based on Collaborative Mutual Authentication Model for Smart City Networks. IEEE Access, 2022, 10, 85289-85304.	2.6	12
283	Blockchain Systems, Technologies, and Applications: A Methodology Perspective. IEEE Communications Surveys and Tutorials, 2023, 25, 353-385.	24.8	13
284	Review on Energy Application Using Blockchain Technology With an Introductions in the Pricing Infrastructure. IEEE Access, 2022, 10, 80119-80137.	2.6	9
285	Machine and Deep Learning for Resource Allocation in Multi-Access Edge Computing: A Survey. IEEE Communications Surveys and Tutorials, 2022, 24, 2449-2494.	24.8	19
286	loT based manhole cover management. AIP Conference Proceedings, 2022, , .	0.3	0
287	An Efficient and Physically Secure Privacy-Preserving Authentication Scheme for Vehicular Ad-hoc NETworks (VANETs). IEEE Access, 2022, 10, 93831-93844.	2.6	4
288	Blockchain Valuation: Internet of Value and Smart Transactions. , 2022, , 465-487.		0
289	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
290	A Gap Between Blockchain and General Data Protection Regulation: A Systematic Review. IEEE Access, 2022, 10, 103888-103905.	2.6	1
291	Anomaly Detection in Blockchain Networks: A Comprehensive Survey. IEEE Communications Surveys and Tutorials, 2023, 25, 289-318.	24.8	55
292	Securing Smart Cities Using Blockchain Technology. , 2022, , .		29
293	A Study on Data Sharing Using Blockchain System and Its Challenges and Applications., 2022, , 88-107.		0
294	Blockchain Technology for IoT. , 2022, , 1058-1083.		0
295	BIECS: A Blockchain-based Intelligent Edge Cooperation System for Latency-Sensitive Services., 2022,,.		6
296	Secure 6G Communication in Smart City Using Blockchain. Lecture Notes in Networks and Systems, 2023, , 487-496.	0.5	1
297	Future of industry 5.0 in society: human-centric solutions, challenges and prospectiveÂresearch areas. Journal of Cloud Computing: Advances, Systems and Applications, 2022, 11, .	2.1	134
298	Survey on the Convergence of Machine Learning and Blockchain. Lecture Notes in Networks and Systems, 2023, , 170-189.	0.5	1

#	Article	IF	CITATIONS
299	Blockchain-Based Federated Learning for Securing Internet of Things: A Comprehensive Survey. ACM Computing Surveys, 2023, 55, 1-43.	16.1	69
300	Developing a blockchain-based digitally secured model for the educational sector in Saudi Arabia toward digital transformation. PeerJ Computer Science, 0, 8, e1120.	2.7	3
301	Providing scalability and privacy for smart contract in the healthcare system. Optik, 2022, 271, 170077.	1.4	1
302	Recent Trends on Blockchain for Internet of Things based Applications: Open Issues and Future Trends. , 2022, , .		5
303	BAC: A block alliance consensus mechanism for the mine consortium blockchain. Concurrency Computation Practice and Experience, 2022, 34, .	1.4	2
304	RVC: A reputation and voting based blockchain consensus mechanism for edge computing-enabled IoT systems. Journal of Network and Computer Applications, 2023, 209, 103510.	5.8	11
305	Blockchain applications in smart sustainable city contextâ€"A systematic mapping study. Energy Reports, 2022, 8, 162-169.	2.5	5
306	Building blocks of sharding blockchain systems: Concepts, approaches, and open problems. Computer Science Review, 2022, 46, 100513.	10.2	22
307	Blockchain-Based Data Management for Smart Transportation. Springer Optimization and Its Applications, 2022, , 631-659.	0.6	0
308	A Cooperative Positioning Enhancement for Self-Powered Vehicular Networks with V2I Trustworthy Data Sharing. IEEE Sensors Journal, 2022, , 1-1.	2.4	2
309	NFTs in Smart Cities: Vision, Applications, and Challenges. IEEE Consumer Electronics Magazine, 2024, 13, 9-23.	2.3	9
310	Secure and Distributed IoT Data Storage in Clouds Based on Secret Sharing and Collaborative Blockchain. IEEE/ACM Transactions on Networking, 2023, 31, 1550-1565.	2.6	1
311	A Bibliometric-Based Analytical Framework for the Study of Smart City Lifeforms in China. International Journal of Environmental Research and Public Health, 2022, 19, 14762.	1.2	3
312	Status, Challenges and Future Directions of Blockchain Technology in Power System: A State of Art Review. Energies, 2022, 15, 8571.	1.6	9
313	A Survey on Blockchain for Healthcare: Challenges, Benefits, and Future Directions. IEEE Communications Surveys and Tutorials, 2023, 25, 386-424.	24.8	14
314	Smart Homecare Research Translation Into Broader Practice: Enablers, Barriers and Directions. IEEE Access, 2022, 10, 134726-134743.	2.6	2
315	Smart contract-based security architecture for collaborative services in municipal smart cities. Journal of Systems Architecture, 2023, 135, 102802.	2.5	18
316	Sec-edge: Trusted blockchain system for enabling the identification and authentication of edge based 5G networks. Computer Communications, 2023, 199, 10-29.	3.1	4

#	Article	IF	CITATIONS
317	Intelligent Information Network Security Management Strategy for Service Innovation of Manufacturing Enterprises Under Blockchain. Journal of Organizational and End User Computing, 2022, 34, 1-17.	1.6	1
318	Integration of Blockchain and Auction Models: A Survey, Some Applications, and Challenges. IEEE Communications Surveys and Tutorials, 2023, 25, 497-537.	24.8	6
319	Transparency in Digital-Citizens Interfaces Through Blockchain Technology: BBBlockchain for Participation Processes in Urban Planning. , 2022, , .		0
320	Privacy-Preserving Charging Coordination Scheme for Smart Power Grids Using a Blockchain. Energies, 2022, 15, 8996.	1.6	6
321	A Review of Emerging Technologies for IoT-Based Smart Cities. Sensors, 2022, 22, 9271.	2.1	21
322	Blockchain technology in energy systems: A stateâ€ofâ€theâ€art review. IET Blockchain, 2023, 3, 35-59.	1.1	8
323	Blockchain Technology and Its Role in Industry 4.0. , 2023, , 93-115.		0
324	SoK: DAG-based Blockchain Systems. ACM Computing Surveys, 2023, 55, 1-38.	16.1	17
325	RSU Cluster Deployment and Collaboration Storage of IoV Based Blockchain. Sustainability, 2022, 14, 16152.	1.6	2
326	How to Enhance Citizens' Sense of Gain in Smart Cities? A SWOT-AHP-TOWS Approach. Social Indicators Research, 2023, 165, 787-820.	1.4	7
328	Toward explainable electrical load forecasting of buildings: A comparative study of tree-based ensemble methods with Shapley values. Sustainable Energy Technologies and Assessments, 2022, 54, 102888.	1.7	7
329	Administration of Vaccine Mechanism for COVID-19 Using Blockchain. Communications in Computer and Information Science, 2022, , 36-48.	0.4	0
330	Blockchain adoption and security management of large scale industrial renewable-based systems: Knowledge-based approach. Journal of Innovation & Knowledge, 2023, 8, 100328.	7.3	2
331	Blockchain for Healthcare Management Systems: A Survey on Interoperability and Security. IEEE Access, 2023, 11, 5629-5652.	2.6	26
332	Redactable Blockchain: Comprehensive Review, Mechanisms, Challenges, Open Issues and Future Research Directions. Future Internet, 2023, 15, 35.	2.4	2
333	Secure Smart Grids: Based on Post-Quantum Blockchain. , 2022, , .		3
334	PharmaChain 2.0: A Blockchain Framework for Secure Remote Monitoring of Drug Environmental Parameters in Pharmaceutical Cold Supply Chain., 2022,,.		3
335	Modeling User-Centric Threats in Smart City: A Hybrid Threat Modeling Method. , 2022, , .		2

#	Article	IF	Citations
336	<i>FairShare</i> : Blockchain Enabled Fair, Accountable and Secure Data Sharing for Industrial IoT. IEEE Transactions on Network and Service Management, 2023, 20, 2929-2941.	3.2	5
337	Contemporary Role of Blockchain in Industry 4.0. Advanced Technologies and Societal Change, 2023, , 111-122.	0.8	2
338	Security and privacy concerns in smart healthcare system., 2023,, 243-273.		0
339	Empowering Authenticated and Efficient Queries for STK Transaction-Based Blockchains. IEEE Transactions on Computers, 2023, 72, 2209-2223.	2.4	1
340	Nullifying the Prevalent Threats in IoT Based Applications and Smart Cities Using Blockchain Technology., 2023,, 241-261.		2
341	A comprehensive review on blockchains for Internet of Vehicles: Challenges and directions. Computer Science Review, 2023, 48, 100547.	10.2	12
342	Using NFTs for ownership management of digital twins and for proof of delivery of their physical assets. Future Generation Computer Systems, 2023, 146, 1-17.	4.9	3
343	Trust Management Mechanism in Blockchain Data Science. , 2022, , 1762-1778.		0
344	Classification of the DLT Consensus Algorithms with Focus on Blockchain. Lecture Notes in Networks and Systems, 2023, , 731-740.	0.5	1
345	Incentive-Driven Information Sharing in Leasing Based on a Consortium Blockchain and Evolutionary Game. Journal of Theoretical and Applied Electronic Commerce Research, 2023, 18, 206-236.	3.1	3
346	Digital-care in next generation networks: Requirements and future directions. Computer Networks, 2023, 224, 109599.	3.2	5
347	Design and Optimization in MEC-Based Intelligent Rail System by Integration of Distributed Multi-Hop Communication and Blockchain. Mathematical Problems in Engineering, 2023, 2023, 1-11.	0.6	2
348	Impacts of blockchain in softwareâ€defined Internet of ThingsÂecosystem with Network Function Virtualization for smart applications: Present perspectives and future directions. International Journal of Communication Systems, 0, , .	1.6	14
349	BLRS: An Automated Land Records Management System Using Blockchain Technology. Lecture Notes in Networks and Systems, 2023, , 113-128.	0.5	1
350	Blockchain Based Smart Card for Smart City., 2023, , 173-202.		0
351	BAuth-ZKP—A Blockchain-Based Multi-Factor Authentication Mechanism for Securing Smart Cities. Sensors, 2023, 23, 2757.	2.1	9
352	A Blockchain-Facilitated Secure Sensing Data Processing and Logging System. IEEE Access, 2023, 11, 21712-21728.	2.6	12
353	Blockchain for social good and stakeholder engagement: Evidence from a case study. Corporate Social Responsibility and Environmental Management, 2023, 30, 2182-2193.	5.0	6

#	Article	IF	CITATIONS
354	A Hyper-Integrated Mobility as a Service (MaaS) to Gamification and Carbon Market Enterprise Architecture Framework for Sustainable Environment. Energies, 2023, 16, 2480.	1.6	3
355	An Overview of Blockchain Technology in Smart Grid. Studies in Infrastructure and Control, 2023, , 183-192.	0.4	0
356	A Multi-hop Transmission and Blockchain- Assisted Task Offloading Framework for MEC-Enabled Smart Rail System. , 2022, , .		0
357	A Survey on Role of Blockchain for IoT: Applications and Technical Aspects. Computer Networks, 2023, 227, 109726.	3.2	18
358	Transformation Model towards Sustainable Smart Cities: Riyadh, Saudi Arabia as a Case Study. Current Urban Studies, 2023, 11, 142-178.	0.3	1
359	Blockchain Technology: Opportunities and Challenges in Various Domains. I-manager's Journal on Software Engineering, 2022, 17, 20.	0.1	O
360	Indistinguishable Obfuscated Encryption andÂDecryption Based onÂTransformer Model. Lecture Notes in Computer Science, 2023, , 685-694.	1.0	1
361	Blockchain Integrated with Industrial IOT Towards Industry 4.0., 2023, , .		2
362	Decentralized Blockchain Technology for the Development of IoT-Based Smart City Applications. , 2023, , 223-239.		0
363	Intelligent Transportation Systems in Smart City: A Systematic Survey. , 2023, , .		8
364	Effects of smart-contract blockchain on smart healthcare center management., 2023, , 107-136.		0
365	Reviving the information veracity in healthcare supply chain with blockchain: a systematic review. Supply Chain Forum, 2024, 25, 111-130.	2.7	1
366	Internet of Things Communication protocols optimization using Blockchain Technology integrated with Reinforcement Learning. , 2022, , .		0
367	Smart City Concepts and Urban Service Robots. Mechanisms and Machine Science, 2023, , 381-388.	0.3	1
368	FlexiChain 3.0: Distributed Ledger Technology-Based Intelligent Transportation for Vehicular Digital Asset Exchange in Smart Cities. Sensors, 2023, 23, 4114.	2.1	5
369	BENIGREEN: Blockchain-Based Energy-Efficient Privacy-Preserving Scheme for Green IoT. IEEE Internet of Things Journal, 2023, 10, 16480-16493.	5.5	1
371	Exploring cyber attacks in blockchain technology enabled green smart city., 2023,, 343-359.		0
372	Improving citizen lifestyle in green smart city. , 2023, , 29-63.		0

#	Article	IF	Citations
376	Secure Data Dissemination in Ad-Hoc Networks by Means of Blockchain., 2023, , 288-297.		0
377	A Blockchain-Trusted Scheme Based on Multimedia Content Protection. Advances in Multimedia and Interactive Technologies Book Series, 2023, , 197-217.	0.1	0
383	Integration of the Internet of Things and Blockchain to Promote Collaboration in Smart Cities. Advances in Wireless Technologies and Telecommunication Book Series, 2023, , 1-29.	0.3	1
387	A Novel Decenterizled Product Verification using Blockchain Technology. , 2023, , .		0
388	Digital Token: Token-Based Degree Certificates with Credit Transfer System. , 2023, , .		0
392	A Mapping Study Research on Blockchain Technology in Education 4.0. , 2022, , .		1
393	Blockchain Olive Oil Supply Chain. Lecture Notes in Computer Science, 2023, , 101-113.	1.0	5
395	A Novel Decentralized Product Verification using Blockchain Technology. , 2023, , .		0
397	A Decentralized Smart City Using Solid andÂSelf-Sovereign Identity. Lecture Notes in Computer Science, 2023, , 149-161.	1.0	0
398	A blockchain based industrial internet of things enterprise supervision method., 2023,,.		0
406	Resources in IoT Through Bctechnology. , 2023, , .		0
407	A Review on Employment Opportunity in Defence Sector Using Blockchain Technology. , 2023, , .		0
408	The Emergence and Challenges of Blockchain Technology in Business and IoT Applications., 2023,,.		0
409	A Secure and Effective Solution for Electronic Health Records with Hyperledger Fabric Blockchain. Lecture Notes in Networks and Systems, 2023, , 503-511.	0.5	1
410	Decentralized Identifiers forÂloT Systems: Current Status andÂFuture Vision. Lecture Notes in Networks and Systems, 2023, , 408-417.	0.5	0
411	A Blockchain-Based Verification Process for Smart Cities. , 2023, , .		1
412	Blockchain-Enabled Healthcare Records Management: A Survey of Implementation Strategies. , 2023, , .		0
414	Analysing the state of the art of Blockchain application in Smart Cities: A bibliometric study. , 2023, , .		1

#	ARTICLE	IF	CITATIONS
416	Blockchain: Architecture, Security and Consensus Algorithms. Lecture Notes in Networks and Systems, 2023, , 738-753.	0.5	0
417	Cryptographic Ledger for Cyber Security in Smart Grid. , 2023, , .		0
420	Secured Electronic Voting System with Appropriate Authentication Using Blockchain., 2023, , .		0
429	Blockchain-Based Framework for Indian Retail Market in SMEs. Algorithms for Intelligent Systems, 2023, , 287-296.	0.5	0
435	Blockchain-Enabled Secured Smart City Services. Advances in Electronic Government, Digital Divide, and Regional Development Book Series, 2023, , 205-229.	0.2	0
438	Blockchains, Internet of Value, and Smart Transactions. , 2023, , 167-197.		1
440	Blockchain-Enabled Service Function Chain in 6G Networks: A Survey. , 2023, , .		0
451	Post Quantum Secure Blockchain Architecture forÂData Dissemination. Lecture Notes in Electrical Engineering, 2024, , 105-116.	0.3	0
452	Decentralized Energy Trading Using Blockchain Technology: A Novel Approach to Democratizing the Energy Market. , $2023, , .$		0
455	Blockchain for Smart Cities Improvement: an Architecture Proposal. , 2023, , .		2
458	A Cooperative Positioning Enhancement for Blockchain-Enabled Vehicular Networks., 2023, , 163-182.		0
460	Secured Electronic voting system using Blockchain Technology. , 2023, , .		O
466	Land Title Solutions Across The World With Blockchain: A Review. , 2024, , 233-255.		0
470	Blockchain Civic Tech for Smarter Cities: Governance Challenges from a Multistakeholder Ecosystem Perspective., 2023,,.		0
474	Distributed Ledger Technology for Next-Generation Cellular Networks: A SWOT Analysis. , 2024, , 281-304.		0
477	When Blockchain Meets Smart Cities: Opportunities, Security and Future Research. Advances in Information Security, 2024, , 423-463.	0.9	0