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436	A Survey on Challenges and Progresses in Blockchain Technologies: A Performance and Security Perspective. 2019 , 9, 4731		22
435	. 2019 , 7, 136951-136961		23
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433	The mean-variance approach for global supply chain risk analysis with air logistics in the blockchain technology era. 2019 , 127, 178-191		171
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426	A Novel Blockchain Oracle Implementation Scheme Based on Application Specific Knowledge Engines. 2019 ,		4
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424	Review: Data Security Models Developed by Blockchain Technology for Different Business Domains. 2019 ,		0
423	Uncertainty-aware workflow migration among edge nodes based on blockchain. 2019 , 2019,		1

422	Blockchain-Enabled Charging Right Trading Among EV Charging Stations. 2019 , 12, 3922	11
421	A Hybrid BlockChain-Based Identity Authentication Scheme for Multi-WSN. 2020 , 1-1	77
420	Blockchain Based Smart Contracts for Internet of Medical Things in e-Healthcare. 2020 , 9, 1609	53
419	Design of a digital currency information system based on the UnionPay network. 2020 , 7, 471-484	2
418	A blockchain-based scheme for privacy-preserving and secure sharing of medical data. 2020 , 99, 102010	33
417	How should we understand the digital economy in Asia? Critical assessment and research agenda. 2020 , 44, 101004	41
416	A Blockchain-based Approach for Assessing Compliance with SLA-guaranteed IoT Services. 2020 ,	4
415	Research on a Shared Bicycle Deposit Management System Based on Blockchain Technology. 2020 , 2020, 1-14	3
414	TrustedBaaS: Blockchain-Enabled Distributed and Higher-Level Trusted Platform. 2020 , 183, 107600	5
413	Construction quality information management with blockchains. 2020 , 120, 103373	56
412	Anomaly detection via blockchained deep learning smart contracts in industry 4.0. 2020 , 32, 17361-17378	28
411	Consortium Blockchain-Based Decentralized Stock Exchange Platform. 2020 , 8, 123711-123725	11
410	Electric Vehicles Battery Management Network Using Blockchain IoT. 2020 ,	0
409	A systematic review of the research on disruptive technology [Blockchain]. 2020 ,	3
408	Is code law? Current legal and technical adoption issues and remedies for blockchain-enabled smart contracts. 2020 , 35, 337-360	10
407	When Machine Learning Meets Privacy in 6G: A Survey. 2020 , 22, 2694-2724	56
406	Decentralized Stock Exchange Implementation using Ethereum. 2020 ,	1
405	Blockchain-Based Knowledge Automation for CPSS-Oriented Parallel Management. 2020 , 7, 1180-1188	10

404	Learning Markets: An AI Collaboration Framework Based on Blockchain and Smart Contracts. 2020 , 1-1	8
403	Video Fraud Detection using Blockchain. 2020 ,	3
402	Pay-per-use Sensor Data Exchange between IoT Devices by Blockchain and Smart Contract based Data and Encryption Key Management. 2020 ,	2
401	Trustful Resource Management for Service Allocation in Fog-Enabled Intelligent Transportation Systems. 2020 , 8, 147313-147322	11
400	. 2020 , 8, 174049-174079	6
399	Who Are the Phishers? Phishing Scam Detection on Ethereum via Network Embedding. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2020 , 1-11	7-3 35
398	Proof-of-Balance: Game-Theoretic Consensus for Controller Load Balancing of SDN. 2020 ,	0
397	Energy Transaction for Multi-Microgrids and Internal Microgrid Based on Blockchain. 2020 , 8, 144362-144372	16
396	Delegated Proof of Reputation Consensus Mechanism for Blockchain-Enabled Distributed Carbon Emission Trading System. 2020 , 8, 214932-214944	10
395	Blockchain-Based Decentralized Reverse Bidding in Fog Computing. 2020 , 8, 81686-81697	15
394	Evaluating the feasibility of blockchain in logistics operations: A decision framework. 2020 , 158, 113543	43
393	. 2020 ,	1
392	The Impact of Artificial Intelligence and Blockchain on the Accounting Profession. 2020 , 8, 110461-110477	27
391	A survey on consensus methods in blockchain for resource-constrained IoT networks. 2020 , 11, 100212	28
390	Blockchain IoT for Smart Electric Vehicles Battery Management. 2020 , 12, 3984	18
389	Application of Blockchain to Maintaining Patient Records in Electronic Health Record for Enhanced Privacy, Scalability, and Availability. 2020 , 26, 3-12	17
388	Intelligent transportation systems and blockchain technology. 2020 , 239-246	1
387	A Parking Slot Allocation Framework Based on Virtual Voting and Adaptive Pricing Algorithm. 2020 , 69, 5945-5957	22

386	Recent Advances in Smart Contracts: A Technical Overview and State of the Art. 2020 , 8, 117782-117801	23
385	A Blockchain-Based Framework for Green Logistics in Supply Chains. 2020 , 12, 4656	35
384	Process Automation and Blockchain in Intelligence and Investigation Units: An Approach. 2020 , 10, 3677	6
383	A Decentralized Car-Sharing Control Scheme Based on Smart Contract in Internet-of-Vehicles. 2020 , 10, 3677	7
382	Blockchain and Machine Learning for Communications and Networking Systems. 2020 , 22, 1392-1431	67
381	Blockchain Technology for Information Security of the Energy Internet: Fundamentals, Features, Strategy and Application. 2020 , 13, 881	17
380	A mobile data offloading framework based on a combination of blockchain and virtual voting. 2020 , 10, 2621	19
379	Blockchain Implementation to Verify Archives Integrity on Cilegon E-Archive. 2020 , 10, 2621	1
378	Blockchain-based intelligent contract for factoring business in supply chains. 2020 , 1, 1	19
377	A Three-Tier Framework for Understanding Disruption Trajectories for Blockchain in the Electricity Industry. 2020 , 8, 65670-65682	8
376	When Blockchain Meets Supply Chain: A Systematic Literature Review on Current Development and Potential Applications. 2020 , 8, 62478-62494	76
375	Formal Analysis of Smart Contract Based on Colored Petri Nets. 2020 , 35, 19-30	4
374	A Blockchain-Based Access Control Framework for Cyber-Physical-Social System Big Data. 2020 , 8, 77215-77226	4
373	Blockchain for Cybersecurity in Smart Grid: A Comprehensive Survey. 2021 , 17, 3-19	47
372	A secure vehicle theft detection framework using Blockchain and smart contract. 2021 , 14, 672-686	8
371	Unification of Blockchain and Internet of Things (BloT): requirements, working model, challenges and future directions. 2021 , 27, 55-90	67
370	Blockchain for next generation services in banking and finance: cost, benefit, risk and opportunity analysis. 2021 , 34, 884-899	24
369	Ethereum smart contract security research: survey and future research opportunities. 2021 , 15, 1	27

368	Blockchain incentivized data forwarding in MANETs: Strategies and challenges. 2021 , 110, 102321	10
367	Blockchain technology in IoT systems: current trends, methodology, problems, applications, and future directions. 2021 , 7, 115-143	6
366	Blockchain-enabled supply chain: analysis, challenges, and future directions. 2021 , 27, 787-806	44
365	Measuring the perceived benefits of implementing blockchain technology in the banking sector. 2021 , 163, 120407	32
364	Penetration testing framework for smart contract Blockchain. 2021 , 14, 2635-2650	26
363	Blockchain-Based Grievance Management System. 2021 , 211-222	0
362	A Distributed framework for detecting DDoS attacks in smart contract-based Blockchain-IoT Systems by leveraging Fog computing. 2021 , 32, e4112	24
361	Blockchain Technology: Key Features and Main Applications. 2021 , 9-31	1
360	SCT-CC: A Supply Chain Traceability System Based on Cross-chain Technology of Blockchain. 2021 , 281-293	
359	. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021 , 51, 253-265	7-3 14
358	Use of Smart Contracts and Distributed Ledger for Automation. 2021 , 245-277	
357	Machine Learning on Cloud with Blockchain: A Secure, Verifiable and Fair Approach to Outsource the Linear Regression for Data Analysis. 2021 , 1-1	5
356	Improving Transactional Data System Based on an Edge ComputingBlockchainMachine Learning Integrated Framework. 2021 , 9, 92	16
355	Blockchains, Front-Running, and Candle Auctions.	0
354	Blockchain-Based Decentralized Replay Attack Detection for Large-Scale Power Systems. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021 , 1-13	7-3 5
353	Reducing COVID-19 Cases and Deaths by Applying Blockchain in Vaccination Rollout Management.. 2021 , 2, 249-255	2
352	. 2021 , 1-11	6
351	Fire Equipment Information Traceability System based on Blockchain. 2021 , 251, 03099	

350	Evolution of Transaction Pattern in Ethereum: A Temporal Graph Perspective. 2021 , 1-16	0
349	The Role of Blockchain Security in the Internet of Things. 2021 , 18-26	
348	Multi-Layer Blockchain-Based Security Architecture for Internet of Things. 2021 , 21,	25
347	HIDRA: A Distributed Blockchain-Based Architecture for Fog/Edge Computing Environments. 2021 , 9, 75231-75251	1
346	LSO: A Dynamic and Scalable Blockchain Structuring Framework. 2021 , 219-238	2
345	Protecting the Privacy of IoT-Based Health Records Using Blockchain Technology. 2021 , 35-54	0
344	Energy and Cost Efficient Resource Allocation for Blockchain-Enabled NFV. 2021 , 1-1	1
343	A Framework of Blockchain Technology for Public Management in Brazil. 2021 , 151-174	
342	A Study of Blockchain for Secure Smart Contract. 2021 , 591-598	
341	A Framework for Blockchain Technology Including Features. 2021 , 633-645	7
340	Blockchain-based Smart Contracts in Procurement: A Technology Readiness Level Analysis. 2021 , 133-170	
339	On Blockchain-Enhanced Secure Data Storage and Sharing in Vehicular Edge Computing Networks. 2021 , 11, 414	22
338	The Mobility Open Blockchain Initiative. 2021 , 99-118	3
337	Endogenous Trusted DRL-Based Service Function Chain Orchestration for IoT. 2021 , 1-1	6
336	A KNN Approach for Blockchain Based Electronic Health Record Analysis. 2021 , 455-464	
335	DynamiChain: Development of Medical Blockchain Ecosystem Based on Dynamic Consent System. 2021 , 11, 1612	5
334	Diffusion-based image inpainting forensics via weighted least squares filtering enhancement. 2021 , 80, 30725-30739	2
333	A decentralized vehicle anti-theft system using Blockchain and smart contracts. 2021 , 14, 2775-2788	7

332	Hybrid Approaches for Smart Contracts in Land Administration: Lessons from Three Blockchain Proofs-of-Concept. 2021 , 10, 220	6
331	Systematic literature review on the security challenges of blockchain in IoT-based smart cities. 2021 , ahead-of-print,	11
330	A survey of breakthrough in blockchain technology: Adoptions, applications, challenges and future research. 2021 , 169, 179-201	39
329	An Anonymous Editable Blockchain Scheme Based on Certificateless Aggregate Signature. 2021 ,	0
328	Blockchain and smart contract for access control in healthcare: A survey, issues and challenges, and open issues. 2021 , 178, 102950	20
327	Multidimensional Development and Type Trend of the Blockchain Research: A Collaborative Network Analysis. 2021 , 2021, 1-15	2
326	A Traceable Online Will System Based on Blockchain and Smart Contract Technology. 2021 , 13, 466	5
325	Analysis of Source Code Duplication in Ethereum Smart Contracts. 2021 ,	
324	Tax Regulation on Blockchain and Cryptocurrency: The Implications for Open Innovation. 2021 , 7, 98	3
323	SP2F: A secured privacy-preserving framework for smart agricultural Unmanned Aerial Vehicles. 2021 , 187, 107819	45
322	Blockchain-Based Distributed Data Integrity Auditing Scheme. 2021 ,	1
321	Securing Collaborative Environment Monitoring in Smart Cities Using Blockchain Enabled Software-Defined Internet of Drones. 2021 , 4, 12-18	12
320	Software Engineering Applications Enabled by Blockchain Technology: A Systematic Mapping Study. 2021 , 11, 2960	6
319	An Efficient Authentication Scheme Using Blockchain Technology for Wireless Sensor Networks. 1	6
318	Application of Blockchain for Internet of Things: A Bibliometric Analysis. 2021 , 2021, 1-16	2
317	A Lightweight Scheme Exploiting Social Networks for Data Minimization According to the GDPR. 2021 , 8, 388-397	1
316	An Architecture for Reliable Transportation of Delicate Goods. 2021 , 21,	
315	Adaptable Parallel Acceleration Strategy for Dynamic Monte Carlo Simulations of Polymerization with Microscopic Resolution. 2021 , 60, 6173-6187	0

314	Optimal blockchain network construction methodology based on analysis of configurable components for enhancing Hyperledger Fabric performance. 2021 , 2, 100009	6
313	A Review of Smart Contracts Applications in Various Industries: A Procurement Perspective. 2021 , 2021, 1-25	4
312	Architecting Internet of Things Systems with Blockchain. 2021 , 30, 1-46	1
311	Blockchain enhanced price incentive demand response for building user energy network in sustainable society. 2021 , 68, 102748	10
310	Blockchain-assisted handover authentication for intelligent telehealth in multi-server edge computing environment. 2021 , 115, 102024	13
309	Assessing Smart Contracts Security Technical Debts. 2021 ,	2
308	Performance evaluation of Hyperledger Fabric-enabled framework for pervasive peer-to-peer energy trading in smart CyberPhysical Systems. 2021 , 118, 392-416	6
307	Blockchain for IoT-based smart cities: Recent advances, requirements, and future challenges. 2021 , 181, 103007	44
306	Blockchain-Based Security Framework for a Critical Industry 4.0 Cyber-Physical System. 2021 , 59, 128-134	8
305	Blockchain based solutions to secure IoT: Background, integration trends and a way forward. 2021 , 181, 103050	51
304	Security aspects in blockchain-based scheduling in mobile multi-cloud computing. 2021 ,	1
303	Blockchain-based IoT device identification and management in 5G smart grid. 2021 , 2021,	12
302	Introducing an application of an industry 4.0 solution for circular supply chain management. 2021 , 300, 126886	29
301	Exploring the redaction mechanisms of mutable blockchains: A comprehensive survey. 2021 , 36, 5051-5084	2
300	Unblocking the industry 4.0 value chain with cyber-physical social thinking. 1-48	3
299	RC-AAM: blockchain-enabled decentralized role-centric authentication and access management for distributed organizations. 1	5
298	IoT-Based Smart Home Device Monitor Using Private Blockchain Technology and Localization. 2021 , 3, 52-55	5
297	Decentralized Stock Market using Blockchain. 2021 ,	

296	MNCF: Prediction Method for Reliable Blockchain Services under a BaaS Environment. 2021 , 12, 242	1
295	Unified smart home resource access along with authentication using Blockchain technology. 2021 , 2, 29-34	3
294	Blockchain Based Spectrum Sharing over 6G Hybrid Cloud. 2021 ,	0
293	Research and Applied Perspective to Blockchain Technology: A Comprehensive Survey. 2021 , 11, 6252	8
292	Research on Construction of Supply Chain Financial Platform Based on Blockchain Technology. 2021 ,	0
291	DAM-SE: A Blockchain-Based Optimized Solution for the Counterattacks in the Internet of Federated Learning Systems. 2021 , 2021, 1-14	4
290	Factors Influencing Blockchain Adoption in Government Organization : A Proposed Framework. 2021 ,	0
289	BloTHR: Electronic Health Record Servicing Scheme in IoT-Blockchain Ecosystem. 2021 , 8, 10857-10872	18
288	Can blockchain link the future?. 2021 ,	9
287	Managing disruptions and risks amidst COVID-19 outbreaks: role of blockchain technology in developing resilient food supply chains. 1	9
286	A Blockchain-Based Smart Contract Towards Developing Secured University Examination System. 1	1
285	Empirical Evaluation of Privacy Efficiency in Blockchain Networks: Review and Open Challenges. 2021 , 11, 7013	2
284	. 2021 , 8, 12004-12020	33
283	Assessing the Role and Use of Blockchain Technology in the Hospitality and Leisure Industry. 2021 , 10, 148-151	
282	Blockchain and Artificial Intelligence for Dynamic Resource Sharing in 6G and Beyond. 2021 , 28, 145-151	19
281	Garbage in garbage out: The precarious link between IoT and blockchain in food supply chains. 2021 , 25, 100261	9
280	Blockchain-Based Internet of Things and Industrial IoT: A Comprehensive Survey. 2021 , 2021, 1-21	13
279	Blockchain for record-keeping and data verifying: proof of concept. 1	1

278	Security enhancement technologies for smart contracts in the blockchain: A survey. e4341	0
277	Hyperledger Fabric Access Control System for Internet of Things Layer in Blockchain-Based Applications. 2021 , 23,	11
276	A novel framework of collaborative early warning for COVID-19 based on blockchain and smart contracts. 2021 , 570, 124-143	10
275	Understanding Selfish Mining in Imperfect Bitcoin and Ethereum Networks With Extended Forks. 2021 , 18, 3079-3091	7
274	Blockchain Technology for Property Sales and Registration. 2022 , 149-163	
273	Improving Ponzi Scheme Contract Detection Using Multi-Channel TextCNN and Transformer. 2021 , 21,	4
272	Blockchain-Based Stochastic Energy Management of Interconnected Microgrids Considering Incentive Price. 2021 , 8, 1201-1211	10
271	Formal Analysis of Smart Contracts: Model Impact Factor on Criminality. 2022 , 3-13	
270	Previewable Contract-Based On-Chain X-Ray Image Sharing Framework for Clinical Research. 2021 , 156, 104599	3
269	Blockchain Enabled Automatic Reward System in Solid Waste Management. 2021 , 2021, 1-14	5
268	Blockchain for genomics and healthcare: a literature review, current status, classification and open issues. 2021 , 9, e12130	1
267	Reviewing the opportunities, challenges, and future directions for the digitalization of energy. 2021 , 81, 102243	11
266	Blockchain based decentralized local energy flexibility market. 2021 , 7, 5269-5288	5
265	A trusted architecture for EV shared charging based on blockchain technology. 2021 , 1, 100001	4
264	Energy-Aware Scheduling for Tasks with Target-Time in Blockchain based Data Centres. 2022 , 40, 405-419	1
263	A Survey of Smart Contract Formal Specification and Verification. 2022 , 54, 1-38	16
262	Modified Blockchain based Hardware Paradigm for Data Provenance in Academia. 2021 , 6, 66-77	
261	Application of Blockchain in Construction Inspection Activities. 2021 ,	

260	Blockchain: Application Domains, Research Issues and Challenges. 2021 , 115-129	
259	BCOOL: A Novel Blockchain Congestion Control Architecture Using Dynamic Service Function Chaining and Machine Learning for Next Generation Vehicular Networks. 2021 , 9, 53096-53122	6
258	A Survey of Decentralizing Applications via Blockchain: The 5G and Beyond Perspective. 2021 , 1-1	20
257	Security Framework for Delivery of Training, Using VR Technology. 2021 , 357-386	
256	Analysis of Blockchain Induced Cryptocurrency: Regulations and Challenges of Cryptocurrencies. 2021 , 553-564	8
255	Predictors for distributed ledger technology adoption: integrating three traditional adoption theories for manufacturing and service operations. 2021 , 9, 178-205	3
254	Using Blockchain for Smart Contracts. 2021 , 208-221	
253	A Survey of Blockchain-Based Solutions for IoTs, VANETs, and FANETs. 2021 , 110-148	1
252	Non-fungible token (NFT) markets on the Ethereum blockchain: Temporal development, cointegration and interrelations.	12
251	Understanding Ethereum Transactions via Network Approach. 2021 , 155-176	2
250	A DAPP Business Data Storage Model Based on Blockchain and IPFS. 2021 , 219-230	1
249	A Survey on Blockchain Technology: Evolution, Architecture and Security. 2021 , 9, 61048-61073	34
248	Smart Contracts in the Context of Procure-to-Pay. 2020 , 3-23	1
247	Blockchain Meets Cybersecurity: Security, Privacy, Challenges, and Opportunity. 2020 , 115-127	2
246	A Trading Model Based on Legal Contracts Using Smart Contract Templates. 2020 , 446-460	1
245	A New Approach to Prevent Reentrant Attack in Solidity Smart Contracts. 2020 , 83-103	1
244	A Blockchain and Edge-Computing-Based Secure Framework for Government Tender Allocation. 2021 , 8, 2409-2418	8
243	Design of Educational Resources-oriented Fair Recommendation System Based on Consortium Blockchain. 2020 ,	1

242	. 2021 , 1-1	3
241	Decentralized On-Chain Data Access via Smart Contracts in Ethereum Blockchain. 2021 , 1-1	1
240	Design and development of automobile assembly model using federated artificial intelligence with smart contract. 1-25	2
239	Blockchain-based solutions for cloud computing: A survey. 2021 , 196, 103246	3
238	Smart contract formation enabling energy-as-a-service in a virtual power plant.	0
237	Mathematical Analysis of Parametric Characteristics of the Consensus Algorithms Operation with the Choice of the Most Priority One for Implementation in the Financial Sphere. 2021 , 10, 2659	1
236	A Cross-border VR Technology for Blockchain Environment. 2020 , 609-615	
235	A Blockchain-based System for Secure Image Protection Using Zero-watermark. 2020 ,	1
234	IoT-Based Healthcare Monitoring Using Blockchain. 2021 , 141-170	1
233	Blockchain: A Review from The Perspective of Operations Researchers. 2020 ,	0
232	Smart Contract Development Model and the Future of Blockchain Technology. 2020 ,	1
231	Use of Smart Contracts and Distributed Ledger for Automation. 2022 , 645-677	
230	A Security Problem in Small Scale Private Ethereum Network. 2020 , 231-242	
229	. 2021 , 9, 145605-145625	2
228	Blockchain-Powered Real Estate System. 2020 , 609-620	1
227	Opportunities for Application of Blockchain in the Scenario of Intelligence and Investigation Units. 2020 , 399-414	
226	Blockchain-Powered Parallel FinTech Regulatory Sandbox Based on the ACP Approach. 2020 , 53, 863-867	3
225	Can Blockchain Capabilities Contribute to Sustainable Supply Chain Governance. 2021 , 1-1	4

224	Dynamic Access Control and Trust Management for Blockchain empowered IoT. 2021 , 1-1	2
223	Consensus Agreement for Secure Transactions in Self Help Groups. 2021 ,	0
222	The landscape of Blockchain research: impacts and opportunities. 1	
221	Improving Smart Contract Transaction Performance in Hyperledger Fabric. 2021 ,	
220	Multi-objective Sparrow Search Optimization for Task Scheduling in Fog-Cloud-Blockchain Systems. 2021 ,	0
219	A Quantum Blind Multi-Signature Method for the Industrial Blockchain. 2021 , 23,	3
218	An Authentication Method Combining Blockchain and Subject-Sensitive Hashing for the Data Sharing of Remote Sensing Image. 2022 , 774-783	
217	iContractML 2.0: A domain-specific language for modeling and deploying smart contracts onto multiple blockchain platforms. 2021 , 144, 106762	2
216	Implementing blockchain in information systems: a review. 1-32	3
215	Bringing Blockchain Technology in Innovating Industries: A Systematic Review. 2022 , 391-416	0
214	Federated Management: Toward Federated Services and Federated Security in Federated Ecology. 2021 , 8, 1283-1290	2
213	IMPLICATIONS OF BLOCKCHAIN AND TRANSPARENCY FOR BUSINESS SUSTAINABILITY: AN INTEGRATIVE REVIEW. 2021 , 22,	
212	Security-Aware and Privacy-Preserving Personal Health Record Sharing using Consortium Blockchain. 2021 , 1-1	5
211	Structuring Special Purpose Vehicles for Financing Renewable Generators on a Blockchain Marketplace. 2021 , 1-1	0
210	Temporal-Amount Snapshot MultiGraph for Ethereum Transaction Tracking. 2021 , 133-146	1
209	Blockchain-Based Incentive Mechanism to Combat Fake News. 2021 , 62-77	
208	Design and implementation of NDN-based Ethereum blockchain. 2022 , 200, 103329	3
207	Secure and privacy-preserving crowdsensing using smart contracts: Issues and solutions. 2022 , 43, 100450	3

206	Blockchain-based secure delivery of medical supplies using drones. 2022 , 204, 108706	1
205	A survey on blockchain systems: Attacks, defenses, and privacy preservation. 2022 , 2, 100048	3
204	Towards Embedding Network Usage Charges Within a Peer-to-Peer Electricity Marketplace. 2020 ,	1
203	A Survey on Blockchain: Architecture, Applications, Challenges, and Future Trends. 2020 ,	2
202	Blockchain and Smart Contracts to Improve Dental Healthcare for Children in Primary School. 2021 ,	1
201	BEADS: Blockchain-Empowered Auction in Decentralized Storage. 2021 ,	
200	Blockchain-based smart payment scheme of power infrastructure funds. 2021 , 7, 725-733	0
199	Formal Verification of Blockchain Smart Contracts via ATL Model Checking. 2022 , 10, 8151-8162	3
198	A review of smart contract-based platforms, applications, and challenges. 1	2
197	Deploying Transactional Smart Contracts using Multisignature Boolean Formulas. 2022 ,	
196	Blockchain-Based Sea Waybill Trust Mechanism. 2022 , 248-258	
195	Evolution of Internet of Things From Blockchain to IOTA: A Survey. 2022 , 10, 844-866	5
194	The Big Data, Artificial Intelligence, and Blockchain in True Cost Accounting for Energy Transition in Europe. 2022 , 15, 1089	2
193	A Privacy-Preserving Data Feed Scheme for Smart Contracts. 2022 , E105.D, 195-204	
192	MetaSocieties in Metaverse: MetaEconomics and MetaManagement for MetaEnterprises and MetaCities. 2022 , 9, 2-7	22
191	Towards user-centered and legally relevant smart-contract development: A systematic literature review. 2022 , 26, 100314	1
190	A survey on blockchain-based Recommender Systems: Integration architecture and taxonomy. 2022 ,	2
189	Blockchain opportunities for construction industry in Hong Kong: a case study of RISC and site diary. 2022 , ahead-of-print,	1

188	A comprehensive survey on blockchain technology. 2022 , 52, 102039	3
187	A hierarchical blockchain-based electricity market framework for energy transactions in a security-constrained cluster of microgrids. 2022 , 139, 108011	0
186	Application of asset tokenization, smart contracts and decentralized finance in agriculture. 2021 , 6, 152-163	0
185	Blockchain-Based Task and Information Management in Computational Cloud Systems. 2022 , 162-201	
184	Image Copyright Protection Based on Blockchain and Zero-watermark. 2022 , 1-1	1
183	A Blockchain-Based Document Verification System for Employers. 2022 , 123-137	1
182	Architecture of the Maritime Logistics Ecosystem of the Northern Sea Route: Vision and Gap. 2022 , 63-80	
181	Autonomous Economic Agent Framework. 2022 , 237-253	1
180	High-quality Model Aggregation for Blockchain-based Federated Learning via Reputation-motivated Task Participation. 2022 , 1-1	0
179	The Integration of Blockchain With IoT in Smart Appliances. 2022 , 223-246	1
178	Blockchain Technology in E-Healthcare. 2022 , 110-134	
177	An Effective Approach to the Cross-Border Exchange of Digital Evidence Using Blockchain. 2022 , 132-138	
176	Smart Contract Application for Managing Land Administration System Transactions. 2022 , 1-1	3
175	Decentralized Blockchain-Based Framework for Securing Review System. 2022 , 239-255	0
174	Smart Contracts: A Way to Modern Digital World. 2022 , 67-106	1
173	Blockchain-based Digital Twins: Research Trends, Issues, and Future Challenges.	3
172	Blockchain coming to hospital to digitalize healthcare services: Designing a distributed electronic health record ecosystem. 2022 , 102480	7
171	A controllable privacy data transmission mechanism for Internet of things system based on blockchain. 2022 , 18, 155013292210884	1

170	Blockchain technologies for museum management. The case of the loan of cultural objects. 1-15	2
169	A Transaction Traffic Control Approach Based on Fuzzy Logic to Improve Hyperledger Fabric Performance. 2022 , 2022, 1-19	2
168	A Blockchain Based Decentralized Identifiers for Entity Authentication in Electronic Health Records. 2022 , 9,	1
167	A privacy-preserving framework for smart contracts based on stochastic model checking. 2021 ,	
166	A Study on Decentralized Autonomous Organizations Based Intelligent Transportation System enabled by Blockchain and Smart Contract. 2021 ,	3
165	Framework of the Tourism Comprehensive Service Platform Based on Blockchain Technology. 2021 ,	
164	Blockchain-Based Crowdfunding Application. 2021 ,	0
163	A Centralized Data Validation System Model for Healthcare Systems Based on Blockchain. 2021 ,	
162	The application framework of blockchain technology in higher education based on the smart contract. 2021 ,	1
161	Permissioned Blockchain Reinforced API Platform for Data Management in IoT-based Sensor Networks. 2021 ,	
160	Blockchain Technology, Cryptocurrency: Entropy-Based Perspective.. 2022 , 24,	3
159	Prediction and analysis of illegal accounts on Ethereum based on Catboost algorithm. 2022 ,	0
158	A Survey on Blockchain Acquainted Software Requirements Engineering: Model, Opportunities, Challenges, and Future Directions. 2022 , 10, 48193-48228	1
157	Emerging Technologies: Blockchain and Smart Contracts. 2022 , 143-169	
156	Adoption of Blockchain Technology for Privacy and Security in the Context of Industry 4.0. 2022 , 2022, 1-14	2
155	A Blockchain-Based Verifiable User Data Access Control Policy for Secured Cloud Data Storage.. 2022 , 2022, 2254411	1
154	A blockchain-based secure storage scheme for medical information. 2022 , 2022,	1
153	Systematic literature review on smart contracts in the construction industry: Potentials, benefits, and challenges.	4

152	CBGRU: A Detection Method of Smart Contract Vulnerability Based on a Hybrid Model.. 2022 , 22,	2
151	A Multi-Perspective Framework for Research on (Sustainable) Autonomous Systems. 1	0
150	Ethereum transaction tracking: Inferring evolution of transaction networks via link prediction. 2022 , 127504	1
149	Ballot Blockchain System Design and Development on Ethereum Platform. 2022 , 11, 1-12	
148	Preserving Electronic Medical Records Using Blockchain Technology. 2022 , 1053-1062	
147	Industrial Internet Data Trusted Storage System Based on IPFS Blockchain Technology. 2022 , 12, 1292-1300	
146	Credible Internet of Intelligence Toward Future Multidimensional Connection. 2022 , 1-8	
145	SmartVM: A Smart Contract Virtual Machine for Fast on-Chain DNN Computations. 2022 , 1-1	1
144	Blockchain Architectural Concerns: A Systematic Mapping Study. 2022 ,	1
143	A Framework for the Evaluation of Factors Affecting Smart Contract Adoption and Enforceability in Port Supply Chain Industry in Ghana. 2022 , 957-969	
142	Throughput-oriented associated transaction assignment in sharding blockchains for IoT social data storage. 2022 ,	0
141	Transforming healthcare ecosystems through blockchain: Opportunities and capabilities for business process innovation. 2022 , 102557	3
140	Blockchain in construction management: Applications, advantages and limitations. 2022 , 140, 104379	3
139	A survey of blockchain-based IoT eHealthcare: Applications, research issues, and challenges. 2022 , 19, 100551	5
138	Introduction of Formal Methods in Blockchain Consensus Mechanism and its Associated Protocols. 2022 , 1-1	0
137	Impact of Security in Blockchain Based Real Time Applications. 2022 , 193-200	
136	Sidechain: A Scalable Blockchain. 2022 ,	
135	Blockchain Adoption in Banking Systems. 2022 , 19-42	1

134	Blockchain-based multi-skill mobile crowdsourcing services. 2022 , 2022,	
133	SPCBIG-EC: A Robust Serial Hybrid Model for Smart Contract Vulnerability Detection. 2022 , 22, 4621	2
132	Digitalization of the international shipping and maritime logistics industry. 2022 , 309-323	1
131	Blockchain Technology Research Hotspots from the Perspective of Smart City. 2022 ,	
130	Blockchain-based secure and transparent election and vote counting mechanism using secret sharing scheme.	0
129	Increasing Cyber Defense in the Music Education Sector Using Blockchain Zero-Knowledge Proof Identification. 2022 , 2022, 1-7	
128	Design of a Blockchain-Based Traceability System with a Privacy-Preserving Scheme of Zero-Knowledge Proof. 2022 , 2022, 1-12	
127	Integration of blockchain and collaborative intrusion detection for secure data transactions in industrial IoT: a survey.	0
126	Artificial Intelligence for Demystifying Blockchain Technology Challenges: A Survey of Recent Advances. 5,	
125	A blockchain-based secure storage and access control scheme for supply chain finance.	1
124	MP-GCN: A Phishing Nodes Detection Approach via Graph Convolution Network for Ethereum. 2022 , 12, 7294	1
123	A Long-Range Internet of Things-Based Advanced Vehicle Pollution Monitoring System with Node Authentication and Blockchain. 2022 , 12, 7547	0
122	Smart Contracts-Based Trusted Crowdfunding Platform. 2023 , 473-483	0
121	Digital Technology Search and New Venture Performance in Dynamic Environments. 2022 , 34, 1-22	
120	zVote: A Blockchain-based Privacy-preserving Platform for Remote E-voting. 2022 ,	0
119	A Blockchain-Enabled Distributed Advanced Metering Infrastructure Secure Communication (BC-AMI). 2022 , 12, 7274	0
118	Internet of Things and Blockchain Integration: Security, Privacy, Technical, and Design Challenges. 2022 , 14, 216	2
117	Circularity issues and blockchain technology in the auto industry. 2022 , 44, 7132-7144	0

116	Blockchain: Consensus Algorithm Key Performance Indicators, Trade-Offs, Current Trends, Common Drawbacks, and Novel Solution Proposals. 2022 , 10, 2754	0
115	Consensus Algorithms on Appendable-Block Blockchains: Impact and Security Analysis.	
114	A Review of Blockchain-Based Secure Sharing of Healthcare Data. 2022 , 12, 7912	0
113	On the Design and Implementation of a Blockchain-Based Data Management System for ETO Manufacturing. 2022 , 12, 9184	2
112	Blockchain-enabled energy sector management. 2023 , 285-310	0
111	Blockchain Based RFID Prototype For Medicine Traceability along the Healthcare Supply Chain. 2021 ,	0
110	Survey on Blockchain-Based IoT Payment and Marketplaces. 2022 , 10, 103411-103437	0
109	Prospects for the Impact of Blockchain on the Innovation and Development of the Tourism Industry. 2022 , 468-478	0
108	Quantum Blockchain Based on Dimensional Lifting Generalized Gram-Schmidt Procedure. 2022 , 10, 103212-103222	0
107	An Architecture Combining Blockchain, Docker and Cloud Storage for Improving Digital Processes in Cloud Manufacturing. 2022 , 10, 79141-79151	0
106	Integrating Blockchain with Fog and Edge Computing for Micropayment Systems. 2022 , 93-112	0
105	A fair, verifiable and privacy-protecting data outsourcing transaction scheme based on smart contracts. 2022 , 1-1	0
104	From Features Engineering to Scenarios Engineering for Trustworthy AI: I&I, C&C, and V&V. 2022 , 37, 18-26	22
103	A Survey of Blockchain-Based Solutions for IoTs, VANETs, and FANETs. 2022 , 663-701	0
102	Formal verification of Reentrancy Vulnerability Based on CPN.	0
101	A decentralized and reliable trust measurement for edge computing enabled Internet of Things. 2022 , 34,	0
100	Research on Architecture of Digital Bond Trading Contract System Based on Blockchain Technology. 2022 , 2022, 1-10	0
99	Decoding the trinity of Fintech, digitalization and financial services: An integrated bibliometric analysis and thematic literature review approach. 2022 , 10,	1

98	On the Integration of Blockchain and SDN: Overview, Applications, and Future Perspectives. 2022 , 30,	3
97	Ethereum Ponzi Scheme Detection Based on PD-SECR. 2022 , 2022, 1-15	0
96	Blockchain-based Federated Learning for Securing Internet of Things: A Comprehensive Survey.	1
95	Developing a blockchain-based digitally secured model for the educational sector in Saudi Arabia toward digital transformation. 8, e1120	1
94	Non-fungible token (NFT) markets on the Ethereum blockchain: temporal development, cointegration and interrelations. 1-19	2
93	DeSci Based on Web3 and DAO: A Comprehensive Overview and Reference Model. 2022 , 9, 1563-1573	6
92	Blockchain implementation in pharmaceutical supply chains: A review and conceptual framework. 1-19	3
91	Smart contract assisted blockchain based public key infrastructure system.	0
90	Cyber Security for Smart Grid: Vulnerabilities, Attacks, and Solution. 2022 , 835-857	0
89	Toward Blockchain-Based Trust and Reputation Management for Trustworthy 6G Networks. 2022 , 36, 112-119	1
88	CT-GCN: a phishing identification model for blockchain cryptocurrency transactions. 2022 , 21, 1223-1232	1
87	Smart contract token-based privacy-preserving access control system for industrial Internet of Things. 2022 ,	2
86	Secure distributed power trading protocol for networked microgrids based on blockchain and elliptic curve cryptography.	0
85	Redefining food safety traceability system through blockchain: findings, challenges and open issues.	0
84	Process Innovation and Unification of KYC Document Management System with Blockchain in Banking. 2022 , 197-216	0
83	Distributed-Ledger-Based Blockchain Technology for Reliable Electronic Voting System with Statistical Analysis. 2022 , 11, 3308	1
82	A blockchain-based trustworthy collaborative power trading scheme for 5G-enabled social internet of vehicles. 2022 ,	2
81	Why, where and how are organizations using blockchain in their supply chains? Motivations, application areas and contingency factors.	0

- 80 CWT-DPA: Component-wise waiting time for BC-enabled data plane authentication. **2022**, 219, 109423 ○
- 79 Critical success factors and architecture of innovation services models in data industry. **2023**, 213, 119014 ○
- 78 Understanding and Comparative Analysis of Consensus Algorithms. **2023**, 211-220 ○
- 77 Intelligent contracts: Making smart contracts smart for blockchain intelligence. **2022**, 104, 108421 ○
- 76 Visual Analysis of Research on Blockchain. **2022**, ○
- 75 Metaverses-Based Parallel Oil Fields in CPSS: A Framework and Methodology. **2022**, 1-10 ○
- 74 DeepThought: A Reputation and Voting-Based Blockchain Oracle. **2022**, 369-383 1
- 73 Application of Blockchain Technology for Microgrid Restoration. **2022**, 1-15 ○
- 72 A Prototype System for Blockchain Performance Evaluation. **2022**, 88-100 ○
- 71 A Secure Blockchain Enabled V2V Communication System Using Smart Contracts. **2022**, 1-10 2
- 70 Decentralized Autonomous Operations and Organizations in TransVerse: Federated Intelligence for Smart Mobility. **2022**, 1-11 ○
- 69 A Novel Approach for Predictable Governance of Decentralized Autonomous Organizations Based on Parallel Intelligence. **2022**, 1-12 ○
- 68 Analysis on the Development of Ethereum and Its Consensus Mechanisms. **2022**, ○
- 67 Blockchain and Big Data for a Smart Healthcare Model. **2022**, 64-80 ○
- 66 The perception of commercial construction companies on using technology to review contracts in New Zealand. **2022**, 1101, 052005 ○
- 65 6G IoT Tracking- and Machine Learning-Enhanced Blockchain Supply Chain Management. **2023**, 12, 40 ○
- 64 Parallel Manufacturing for Industrial Metaverses: A New Paradigm in Smart Manufacturing. **2022**, 9, 2063-2070 5
- 63 Privacy-preserving blockchain-based contract signing with multi-party supervision. ○

62	A Novel Scenarios Engineering Methodology for Foundation Models in Metaverse. 2022 , 1-12	0
61	Continuous and Secure Integration Framework for Smart Contracts. 2023 , 23, 541	0
60	ArtVerse: A Paradigm for Parallel HumanMachine Collaborative Painting Creation in Metaverses. 2023 , 1-9	0
59	FL-Incentivizer: FL-NFT and FL-Tokens for Federated Learning Model Trading and Training. 2023 , 11, 4381-4399	0
58	Blockchain for Healthcare Management Systems: A survey on Interoperability and Security. 2023 , 1-1	0
57	Blockchain Application in Healthcare Systems: A Review. 2023 , 11, 38	4
56	Measurement-device-independent quantum protocol for E-payment based on blockchain. 2023 , 22,	0
55	ChainSure: Agent free insurance system using blockchain for healthcare 4.0. 2023 , 17, 200177	0
54	A novel system for medical equipment supply chain traceability based on alliance chain and attribute and role access control. 2023 , 142, 195-211	1
53	Blockchain Enabled Biometric Security in Internet-of-Medical-Things (IoMT) Devices. 2022 ,	0
52	Blockchained supply chain management based on IoT tracking and machine learning. 2022 , 2022,	0
51	Supply chain finance: What are the challenges in the adoption of blockchain technology?. 2022 , 1, 153-165	3
50	A Certificate Authority Scheme Based on Trust Ring for Consortium Nodes. 2022 ,	0
49	ARTIFICIAL INTELLIGENCE IN BLOCKCHAIN-PROVIDE DIGITAL TECHNOLOGY. 2022 ,	0
48	Research on Grain Food Blockchain Traceability Information Management Model Based on Master-Slave Multichain. 2022 , 2022, 1-20	0
47	Towards Energy Transition: Use of Blockchain in Renewable Certificates to Support Sustainability Commitments. 2023 , 15, 258	1
46	Blockchain-Based Internet of Things: Review, Current Trends, Applications, and Future Challenges. 2023 , 12, 6	2
45	Proof of Work Consensus Based Peer to Peer Energy Trading in the Indian Residential Community. 2023 , 16, 1253	0

44	MSmart: Smart Contract Vulnerability Analysis and Improved Strategies Based on Smartcheck. 2023 , 13, 1733	0
43	Scientific communication of east Asian countries on internet of things (IoT): A performance evaluation based on scientometric tools. 026666692211511	1
42	DeSG: Towards Generating Valid Solidity Smart Contracts with Deep Learning. 2023 , 85-92	0
41	Blockchain Based Secure, Efficient, and Scalable Platform for the Organ Donation Process of Healthcare Industry. 2023 , 173-183	0
40	Approaches to Overpower Proof-of-Work Blockchains Despite Minority. 2023 , 11, 2952-2967	0
39	Smart Contract based Energy Trading-An overview. 2022 ,	0
38	BDOSN: Privacy-aware Blockchain based Decentralized OSNs. 2022 ,	0
37	Scams and Solutions in Cryptocurrencies A Survey Analyzing Existing Machine Learning Models. 2023 , 14, 171	0
36	Research on the Construction of Grain Food Multi-Chain Blockchain Based on Zero-Knowledge Proof. 2023 , 12, 1600	0
35	A review on blockchain smart contracts in the agri-food industry: Current state, application challenges and future trends. 2023 , 208, 107776	0
34	Investigating the barriers to the adoption of blockchain technology in sustainable construction projects. 2023 , 403, 136840	1
33	A survey on smart contract vulnerabilities: Data sources, detection and repair. 2023 , 159, 107221	0
32	Blockchain and Smart Grids: Opportunities, Open Issues, and Future Prospects. 2022 , 1-22	0
31	Blockchain: A Review from the Perspective of Operations Researchers. 2022 ,	0
30	Confluence of Artificial Intelligence and Blockchain Powered Smart Contract in Finance System. 2022 ,	0
29	Blockchain and Deep Learning Integration for Various Application: A Review. 1-14	0
28	Smart Contracts in Blockchain Technology: A Critical Review. 2023 , 14, 117	0
27	TSCS: A blockchain-based tokenized subtitling crowdsourcing system. 2023 , 100132	0

- 26 Data Flow Reduction Based Test Case Generation for Smart Contracts. **2022,** ○
- 25 A Secure Decentralized E-Voting with Blockchain & Smart Contracts. **2023,** ○
- 24 Semantic analysis of blockchain intelligence with proposed agenda for future issues. **2023,** 14, 34-54 ○
- 23 Integrating a Blockchain-Based Governance Framework for Responsible AI. **2023,** 15, 97 ○
- 22 IoT Access Control Model Based on Blockchain and Trusted Execution Environment. **2023,** 11, 723 ○
- 21 Blockchain for social good and stakeholder engagement: Evidence from a case study. ○
- 20 A transformative shift toward blockchain-based IoT environments: Consensus, smart contracts, and future directions. ○
- 19 Use of Blockchain-Based Smart Contracts in Logistics and Supply Chains. **2023,** 12, 1340 ○
- 18 Managing Reputation Scores in a Blockchain-based Decentralized Marketplace. **2022,** ○
- 17 An Exploration on Verification of Educational Assets Through Blockchain Technology. **2022,** ○
- 16 Smart Health Care System using Blockchain and Machine Learning. 56-66 ○
- 15 A Blockchain AutoML Network Traffic Analyzer to Industrial Cyber Defense and Protection. **2023,** 12, 1484 ○
- 14 Decentralized power grid fault traceability system based on internet of things and blockchain technology. 10, ○
- 13 AHash Time Lock Based on Double Encryption Algorithm. **2022,** ○
- 12 Blockchain in HRM:Application and Future Perspective. **2022,** ○
- 11 Parallel Services Metaverses. **2023,** 71-83 ○
- 10 Block-gram: Mining Knowledgeable Features for Smart Contract Vulnerability Detection. **2023,** 546-557 ○
- 9 Blockchain-Enabled Smart Contract Architecture in Supply Chain Design. **2023,** 1-14 ○

- 8 Role of Blockchain Technology Adoption between Sustainability Related Supply Chain Risks and Triple Bottom Line Performance. **2023**, 181-199
- 7 Risk analysis in decentralized finance (DeFi): a fuzzy-AHP approach. **2023**, 25,
- 6 Leveraging Blockchain Technology in the Construction Industry. **2023**, 50-65
- 5 HealthDote: A blockchain-based model for continuous health monitoring using interplanetary file system. **2023**, 3, 100175
- 4 Evolution of Blockchain and Smart Contracts: A State of the Art Review. **2023**,
- 3 DAOing It as a Collective: Designing the Future of Decentralised Personal Health Data Sharing. **2023**,
- 2 A Blockchain-Oriented Framework for Cloud-Assisted System to Countermeasure Phishing for Establishing Secure Smart City. **2023**, 2023, 1-13
- 1 Resilient Security Framework Using TNN and Blockchain for IoMT. **2023**, 12, 2252