1. Record Nr. UNINA9911011344203321

Autore	Zhu Liehuang
Titolo	Blockchain Technology and Application : 7th CCF China Blockchain Conference, CBCC 2024, Shanghai, China, December 13–15, 2024, Revised Selected Papers, Part II / / edited by Liehuang Zhu, Yi Sun, Jianming Zhu, Qianhong Wu, Xianhua Song, Zeguang Lu
Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2025
ISBN	981-9662-43-5
Edizione	[1st ed. 2025.]
Descrizione fisica	1 online resource (379 pages)
Collana	Communications in Computer and Information Science, , 1865-0937 ; ; 2498
Altri autori (Persone)	SunYi ZhuJianming WuQianhong SongXianhua LuZeguang
Disciplina	621.39 004.6
Soggetti	Computer engineering Computer networks Database management Application software Cryptography Data encryption (Computer science) Operating systems (Computers) Computer Engineering and Networks Database Management Computer and Information Systems Applications Cryptology Operating Systems
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Blockchain and Data Elements -- Storage Contract Scheme for Wind Energy Big Data Based on Ethereum -- Data Authentication Mechanism

in Internet of Vehicles for Digital Identity Verification with Identity-Based Proxy Homomorphic Signatures -- A Fine-Grained Multicryption Strategy Data Sharing Scheme for Biological Experiments Empowered by Block-Chain -- A Data Element Transaction Method Based on Range Zero-Knowledge Proofs and Nash Bargaining -- Security and Privacy for Blockchain -- A Novel Method for Block Propagation with Erasure Coding -- Improved HybridNet: A Hybrid Graph Neural Network for Anomaly Detection in the Bitcoin Network -- Practical Research on the Hot and Cold Hierarchical Storage Algorithm in ChainMaker -- A Data Validation Scheme Based on Binary Huffman Tree Structures and Its Exploration in Blockchain Applications -- DEDF: A Dual-Engine-Driven Framework for Blockchain Ecosystem Security Regulation -- Research on Privacy-Enhanced Fine-Grained Access Control and Permission Attribute Storage Methods Based on Blockchain in Data Sharing Scenarios -- Semi-Hidden Channel: Research on the Application of Privacy Protection Channel Based on Bitcoin Lightning Network -- PCSR: Privacy Computing Strategy Recommendation Model Based on Deep Learning -- Optimized Design and Implementation of the FPGA-Based SM2 Algorithm -- SPOR: A Lightweight Block Cipher that is Based on a High-Performance S-Box -- Implementation of a Two-Party Collaborative SM2 Signature Scheme and Its Application in Blockchain Governance Scenarios.

Sommario/riassunto

This book CCIS 2498 constitutes the refereed proceedings of the 7th CCF China Blockchain Summit on Blockchain Technology and Application, CBCC 2024, held in Shanghai, China, during December 13–15, 2024. The 15 full papers were carefully reviewed and selected from 151 submissions. The proceedings focused on discussing the latest developments in blockchain theory and technology, exchanging the latest application achievements of blockchain in distributed systems, cryptography, data elements, economic models, regulatory technology, metaverse and Web3.0.