

# Blockchain and Federated Learning for Privacy-Preserv

IEEE Transactions on Industrial Informatics

16, 4177-4186

DOI: [10.1109/tii.2019.2942190](https://doi.org/10.1109/tii.2019.2942190)

Citation Report

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Permissioned Blockchain-based Security for IIoT. , 2020, , .  |     | 11        |
| 2  | From distributed machine learning to federated learning: In the view of data privacy and security. Concurrency Computation Practice and Experience, 2022, 34, .           | 2.2 | 31        |
| 3  | SABlockFL: a blockchain-based smart agent system architecture and its application in federated learning. International Journal of Crowd Science, 2020, 4, 133-147.        | 1.8 | 13        |
| 4  | PPO-CPQ: A Privacy-Preserving Optimization of Clinical Pathway Query for E-Healthcare Systems. IEEE Internet of Things Journal, 2020, 7, 10660-10672.                     | 8.7 | 109       |
| 5  | New Frontiers in IoT: Networking, Systems, Reliability, and Security Challenges. IEEE Internet of Things Journal, 2020, 7, 11330-11346.                                   | 8.7 | 34        |
| 6  | Federated Learning in Smart City Sensing: Challenges and Opportunities. Sensors, 2020, 20, 6230.  | 3.8 | 129       |
| 7  | Edge Intelligence for Energy-Efficient Computation Offloading and Resource Allocation in 5G Beyond. IEEE Transactions on Vehicular Technology, 2020, 69, 12175-12186.     | 6.3 | 116       |
| 8  | Federated Learning: A Survey on Enabling Technologies, Protocols, and Applications. IEEE Access, 2020, 8, 140699-140725.  | 4.2 | 313       |
| 9  | Blockchain for Privacy Preserving and Trustworthy Distributed Machine Learning in Multicentric Medical Imaging (C-DistriM). IEEE Access, 2020, 8, 183939-183951.          | 4.2 | 44        |
| 10 | Blockchain-Based Incentive Energy-Knowledge Trading in IoT: Joint Power Transfer and AI Design. IEEE Internet of Things Journal, 2022, 9, 14685-14698.                    | 8.7 | 62        |
| 11 | Privacy-preserving solutions in the Industrial Internet of Things. , 2020, , .  |     | 6         |
| 12 | Blockchain-Based Federated Learning for Intelligent Control in Heavy Haul Railway. IEEE Access, 2020, 8, 176830-176839.   | 4.2 | 65        |
| 13 | Secure and Provenance Enhanced Internet of Health Things Framework: A Blockchain Managed Federated Learning Approach. IEEE Access, 2020, 8, 205071-205087.                | 4.2 | 144       |
| 14 | Distributed Network Intrusion Detection System in Satellite-Terrestrial Integrated Networks Using Federated Learning. IEEE Access, 2020, 8, 214852-214865.                | 4.2 | 38        |
| 15 | AI-Chain: Blockchain Energized Edge Intelligence for Beyond 5G Networks. IEEE Network, 2020, 34, 62-69.   | 6.9 | 40        |
| 16 | The Challenges of Privacy and Access Control as Key Perspectives for the Future Electric Smart Grid. IEEE Open Journal of the Communications Society, 2020, 1, 1934-1960. | 6.9 | 15        |
| 17 | A Critical Evaluation of Privacy and Security Threats in Federated Learning. Sensors, 2020, 20, 7182.   | 3.8 | 23        |
| 18 | Chain FL: Decentralized Federated Machine Learning via Blockchain. , 2020, , .  |     | 42        |

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 19 | Federated Learning for Vehicular Internet of Things: Recent Advances and Open Issues. IEEE Open Journal of the Computer Society, 2020, 1, 45-61.  | 7.8  | 190       |
| 20 | An Adaptive Resilient Load Frequency Controller for Smart Grids With DoS Attacks. IEEE Transactions on Vehicular Technology, 2020, 69, 4689-4699.   | 6.3  | 58        |
| 21 | Privacy-Preserving Asynchronous Federated Learning Mechanism for Edge Network Computing. IEEE Access, 2020, 8, 48970-48981.   | 4.2  | 88        |
| 22 | Manufacturing Blockchain of Things for the Configuration of a Data- and Knowledge-Driven Digital Twin Manufacturing Cell. IEEE Internet of Things Journal, 2020, 7, 11884-11894.            | 8.7  | 91        |
| 23 | Blockchain and Machine Learning for Communications and Networking Systems. IEEE Communications Surveys and Tutorials, 2020, 22, 1392-1431.  | 39.4 | 167       |
| 24 | Decentralized Privacy Using Blockchain-Enabled Federated Learning in Fog Computing. IEEE Internet of Things Journal, 2020, 7, 5171-5183.  | 8.7  | 268       |
| 25 | Deep Reinforcement Learning and Permissioned Blockchain for Content Caching in Vehicular Edge Computing and Networks. IEEE Transactions on Vehicular Technology, 2020, 69, 4312-4324.       | 6.3  | 169       |
| 26 | Blockchain Empowered Asynchronous Federated Learning for Secure Data Sharing in Internet of Vehicles. IEEE Transactions on Vehicular Technology, 2020, 69, 4298-4311.                       | 6.3  | 389       |
| 27 | A Hierarchical Blockchain-Enabled Federated Learning Algorithm for Knowledge Sharing in Internet of Vehicles. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 3975-3986. | 8.0  | 152       |
| 28 | Networking Integrated Cloud-Edge-End in IoT: A Blockchain-Assisted Collective Q-Learning Approach. IEEE Internet of Things Journal, 2021, 8, 12694-12704.                                   | 8.7  | 67        |
| 29 | Blockchain-Based Federated Learning for Device Failure Detection in Industrial IoT. IEEE Internet of Things Journal, 2021, 8, 5926-5937.  | 8.7  | 134       |
| 30 | Exploiting Unintended Property Leakage in Blockchain-Assisted Federated Learning for Intelligent Edge Computing. IEEE Internet of Things Journal, 2021, 8, 2265-2275.                       | 8.7  | 38        |
| 31 | FedMCCS: Multicriteria Client Selection Model for Optimal IoT Federated Learning. IEEE Internet of Things Journal, 2021, 8, 4723-4735.  | 8.7  | 129       |
| 32 | Communication-Efficient Federated Learning for Digital Twin Edge Networks in Industrial IoT. IEEE Transactions on Industrial Informatics, 2021, 17, 5709-5718.                              | 11.3 | 132       |
| 33 | Blockchain-Enabled Certificate-Based Authentication for Vehicle Accident Detection and Notification in Intelligent Transportation Systems. IEEE Sensors Journal, 2021, 21, 15824-15838.     | 4.7  | 57        |
| 34 | A Blockchain Federated Learning Framework for Cognitive Computing in Industry 4.0 Networks. IEEE Transactions on Industrial Informatics, 2021, 17, 2964-2973.                               | 11.3 | 174       |
| 35 | Data security sharing model based on privacy protection for blockchain-enabled industrial Internet of Things. International Journal of Intelligent Systems, 2021, 36, 94-111.               | 5.7  | 32        |
| 36 | Industrial Internet-of-Things Security Enhanced With Deep Learning Approaches for Smart Cities. IEEE Internet of Things Journal, 2021, 8, 6393-6405.  | 8.7  | 41        |

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 37 | A Checkpoint Enabled Scalable Blockchain Architecture for Industrial Internet of Things. IEEE Transactions on Industrial Informatics, 2021, 17, 7679-7687.  | 11.3 | 19        |
| 38 | Low-Latency Federated Learning and Blockchain for Edge Association in Digital Twin Empowered 6G Networks. IEEE Transactions on Industrial Informatics, 2021, 17, 5098-5107.   | 11.3 | 224       |
| 39 | DeepFed: Federated Deep Learning for Intrusion Detection in Industrial Cyber-Physical Systems. IEEE Transactions on Industrial Informatics, 2021, 17, 5615-5624.  | 11.3 | 247       |
| 40 | Communication-Efficient Federated Learning and Permissioned Blockchain for Digital Twin Edge Networks. IEEE Internet of Things Journal, 2021, 8, 2276-2288.   | 8.7  | 140       |
| 41 | Privacy-Preserving Blockchain-Based Federated Learning for IoT Devices. IEEE Internet of Things Journal, 2021, 8, 1817-1829.  | 8.7  | 256       |
| 42 | Enhanced-AODV: A Robust Three Phase Priority-Based Traffic Load Balancing Scheme for Internet of Things. IEEE Internet of Things Journal, 2022, 9, 14426-14437.   | 8.7  | 38        |
| 43 | A Blockchain-Based Dual-Side Privacy-Preserving Multiparty Computation Scheme for Edge-Enabled Smart Grid. IEEE Internet of Things Journal, 2022, 9, 14287-14299.   | 8.7  | 26        |
| 44 | Visual Human-Computer Interactions for Intelligent Vehicles and Intelligent Transportation Systems: The State of the Art and Future Directions. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 253-265. | 9.3  | 46        |
| 45 | Privacy-Preserving Blockchain-Based Federated Learning for Marine Internet of Things. IEEE Transactions on Computational Social Systems, 2022, 9, 159-173.  | 4.4  | 19        |
| 46 | Blockchain-Empowered Decentralized Horizontal Federated Learning for 5G-Enabled UAVs. IEEE Transactions on Industrial Informatics, 2022, 18, 3582-3592.   | 11.3 | 95        |
| 47 | Joint Scheduling and Resource Allocation for Efficiency-Oriented Distributed Learning Over Vehicle Platooning Networks. IEEE Transactions on Vehicular Technology, 2021, 70, 10894-10908.                                       | 6.3  | 13        |
| 48 | Coalescence of Artificial Intelligence with Blockchain: A Survey on Analytics Over Blockchain Data in Different Sectors. Advances in Intelligent Systems and Computing, 2021, , 703-711.  | 0.6  | 1         |
| 49 | Performance Benchmarking and Optimization for IIoT-oriented Blockchain. Lecture Notes in Computer Science, 2021, , 395-406.   | 1.3  | 0         |
| 50 | Unlinkable Collaborative Learning Transactions: Privacy-Awareness in Decentralized Approaches. IEEE Access, 2021, 9, 65293-65307.   | 4.2  | 6         |
| 51 | Permissioned Blockchain: Securing Industrial IoT Environments. International Journal of Advanced Computer Science and Applications, 2021, 12, .   | 0.7  | 1         |
| 52 | Open Research Directions. , 2021, , 159-166.  |      | 0         |
| 53 | Towards Blockchain-Based Federated Machine Learning: Smart Contract for Model Inference. Applied Sciences (Switzerland), 2021, 11, 1010.  | 2.5  | 22        |
| 54 | Machine Learning Empowered Trust Evaluation Method for IoT Devices. IEEE Access, 2021, 9, 65066-65077.  | 4.2  | 16        |

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 55 | Deep-Reinforcement-Learning-Based Latency Minimization in Edge Intelligence Over Vehicular Networks. IEEE Internet of Things Journal, 2022, 9, 1300-1312.  | 8.7  | 11        |
| 56 | AI-Enabled IIoT for Live Smart City Event Monitoring. IEEE Internet of Things Journal, 2023, 10, 2872-2880.  | 8.7  | 18        |
| 57 | A Study on Privacy Issues in Internet of Things (IoT). , 2021, , .   |      | 8         |
| 58 | Security and Privacy-Enhanced Federated Learning for Anomaly Detection in IoT Infrastructures. IEEE Transactions on Industrial Informatics, 2022, 18, 3492-3500.                                       | 11.3 | 75        |
| 59 | Blockchain Empowered Federated Learning for Medical Data Sharing Model. Lecture Notes in Computer Science, 2021, , 537-544.  | 1.3  | 0         |
| 60 | Nature-Inspired Gravitational Search-guided Artificial Neural Key Exchange For IoT Security Enhancement. IEEE Access, 2021, , 1-1.   | 4.2  | 3         |
| 61 | The Intersection of Blockchain and 6G Technologies. Computer Communications and Networks, 2021, , 393-417.   | 0.8  | 1         |
| 62 | Blockchain Assisted Secure Data Sharing Model for Internet of Things Based Smart Industries. IEEE Transactions on Reliability, 2022, 71, 348-358.  | 4.6  | 46        |
| 63 | Survey on Blockchain-Based Smart Contracts: Technical Aspects and Future Research. IEEE Access, 2021, 9, 87643-87662.  | 4.2  | 65        |
| 64 | SurveilNet: A Lightweight Anomaly Detection System for Cooperative IoT Surveillance Networks. IEEE Sensors Journal, 2021, 21, 25293-25306.   | 4.7  | 7         |
| 65 | PRVB: Achieving Privacy-Preserving and Reliable Vehicular Crowdsensing via Blockchain Oracle. IEEE Transactions on Vehicular Technology, 2021, 70, 831-843.  | 6.3  | 23        |
| 66 | Hashgraph Based Federated Learning for Secure Data Sharing. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2021, , 556-565.              | 0.3  | 0         |
| 67 | Privacy-Preserving Blockchain-Based Solutions in the Internet of Things. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2021, , 386-405. | 0.3  | 0         |
| 68 | A Novel Covert Communication Method Based on Bitcoin Transaction. IEEE Transactions on Industrial Informatics, 2022, 18, 2830-2839.  | 11.3 | 14        |
| 69 | Federated Transfer Learning Based Cross-Domain Prediction for Smart Manufacturing. IEEE Transactions on Industrial Informatics, 2022, 18, 4088-4096.   | 11.3 | 58        |
| 70 | Artificial Intelligence for UAV-Enabled Wireless Networks: A Survey. IEEE Open Journal of the Communications Society, 2021, 2, 1015-1040.  | 6.9  | 69        |
| 71 | LTSM: Lightweight and Trusted Sharing Mechanism of IoT Data in Smart City. IEEE Internet of Things Journal, 2022, 9, 5080-5093.  | 8.7  | 14        |
| 72 | A Survey on Federated Learning for Resource-Constrained IoT Devices. IEEE Internet of Things Journal, 2022, 9, 1-24.   | 8.7  | 215       |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 73 | FedSky: An Efficient and Privacy-Preserving Scheme for Federated Mobile Crowdsensing. IEEE Internet of Things Journal, 2022, 9, 5344-5356.  | 8.7 | 11        |
| 74 | LockEdge: Low-Complexity Cyberattack Detection in IoT Edge Computing. IEEE Access, 2021, 9, 29696-29710.  | 4.2 | 41        |
| 75 | Blockchain and Federated Learning for 5G Beyond. IEEE Network, 2021, 35, 219-225.   | 6.9 | 39        |
| 76 | A pervasive controlled access with privacy delegation design for smart internet of things applications. Measurement: Journal of the International Measurement Confederation, 2021, 172, 108875. | 5.0 | 2         |
| 77 | Blockchain-Enabled Secure Data Sharing Scheme in Mobile-Edge Computing: An Asynchronous Advantage Actor-Critic Learning Approach. IEEE Internet of Things Journal, 2021, 8, 2342-2353.          | 8.7 | 128       |
| 78 | Privacy challenges of IoT-based blockchain: a systematic review. Cluster Computing, 2022, 25, 2203-2221.  | 5.0 | 36        |
| 79 | Federated Learning Empowered End-Edge-Cloud Cooperation for 5G HetNet Security. IEEE Network, 2021, 35, 88-94.  | 6.9 | 19        |
| 80 | Blockchain-Empowered Mobile Edge Intelligence, Machine Learning and Secure Data Sharing. , 0, , .   |     | 2         |
| 81 | Current Research Trends in IoT Security: A Systematic Mapping Study. Mobile Information Systems, 2021, 2021, 1-25.  | 0.6 | 13        |
| 82 | A Federated Learning Approach for Privacy Protection in Context-Aware Recommender Systems. Computer Journal, 2021, 64, 1016-1027.   | 2.4 | 15        |
| 83 | Blockchain-enabled wireless communications: a new paradigm towards 6G. National Science Review, 2021, 8, nwab069.   | 9.5 | 52        |
| 84 | Integration of Blockchain and Machine Learning for Microgrids. , 2021, , .  |     | 2         |
| 85 | Secular: A Decentralized Blockchain-based Data Privacy-preserving Model Training Platform. , 2021, , .  |     | 2         |
| 86 | Secure Data Access Control With Fair Accountability in Smart Grid Data Sharing: An Edge Blockchain Approach. IEEE Internet of Things Journal, 2021, 8, 8632-8643.                               | 8.7 | 33        |
| 87 | Preserving Privacy with Federated Learning in Route Choice Behavior Modeling. Transportation Research Record, 2021, 2675, 268-276.  | 1.9 | 3         |
| 88 | A Federated Machine Learning Protocol for Fog Networks. , 2021, , .   |     | 1         |
| 89 | A blockchain-based collaborative training method for multi-party data sharing. Computer Communications, 2021, 173, 70-78.   | 5.1 | 9         |
| 90 | Deep reinforcement learning for blockchain in industrial IoT: A survey. Computer Networks, 2021, 191, 108004.   | 5.1 | 58        |

| #   | ARTICLE   | IF   | CITATIONS |
|-----|---|------|-----------|
| 91  | A framework for the prediction of earthquake using federated learning. PeerJ Computer Science, 2021, 7, e540.   | 4.5  | 19        |
| 92  | Blockchain based solutions to secure IoT: Background, integration trends and a way forward. Journal of Network and Computer Applications, 2021, 181, 103050.          | 9.1  | 118       |
| 93  | A Systematic Literature Review of Blockchain-based Federated Learning: Architectures, Applications and Issues. , 2021, , .  |      | 17        |
| 94  | Federated Reinforcement Learning-Supported IDS for IoT-steered Healthcare Systems. , 2021, , .  |      | 11        |
| 95  | Applications of federated learning in smart cities: recent advances, taxonomy, and open challenges. Connection Science, 2022, 34, 1-28.                               | 3.0  | 72        |
| 96  | Blockchain and Federated Learning for Collaborative Intrusion Detection in Vehicular Edge Computing. IEEE Transactions on Vehicular Technology, 2021, 70, 6073-6084.  | 6.3  | 114       |
| 97  | CEEP-FL: A comprehensive approach for communication efficiency and enhanced privacy in federated learning. Applied Soft Computing Journal, 2021, 104, 107235.         | 7.2  | 15        |
| 98  | Blockchain-empowered Data-driven Networks. ACM Computing Surveys, 2022, 54, 1-38.   | 23.0 | 20        |
| 99  | A Systematic Literature Review on Federated Machine Learning. ACM Computing Surveys, 2022, 54, 1-39.  | 23.0 | 67        |
| 100 | Energy-efficient Clustering to Address Data Heterogeneity in Federated Learning. , 2021, , .  |      | 2         |
| 101 | Privacy-preserving Decentralized Learning Framework for Healthcare System. ACM Transactions on Multimedia Computing, Communications and Applications, 2021, 17, 1-24. | 4.3  | 24        |
| 102 | Trust Hardware Based Secured Privacy Preserving Computation System for Three-Dimensional Data. Electronics (Switzerland), 2021, 10, 1546.                             | 3.1  | 3         |
| 103 | The internet-of-vehicle traffic condition system developed by artificial intelligence of things. Journal of Supercomputing, 2022, 78, 2665-2680.                      | 3.6  | 2         |
| 104 | Byzantine Resistant Secure Blockchain Federated Learning at the Edge. IEEE Network, 2021, 35, 295-301.  | 6.9  | 24        |
| 105 | Blockchain-Federated-Learning and Deep Learning Models for COVID-19 Detection Using CT Imaging. IEEE Sensors Journal, 2021, 21, 16301-16314.                          | 4.7  | 243       |
| 106 | Multiagent Minimum Risk Path Intrusion Strategy with Computational Geometry. Wireless Communications and Mobile Computing, 2021, 2021, 1-18.                          | 1.2  | 2         |
| 107 | Differential Privacy for Industrial Internet of Things: Opportunities, Applications, and Challenges. IEEE Internet of Things Journal, 2021, 8, 10430-10451.           | 8.7  | 74        |
| 108 | Over-the-Air Decentralized Federated Learning. , 2021, , .  |      | 22        |

| #   | ARTICLE   | IF   | CITATIONS |
|-----|---|------|-----------|
| 109 | DAM-SE: A Blockchain-Based Optimized Solution for the Counterattacks in the Internet of Federated Learning Systems. Security and Communication Networks, 2021, 2021, 1-14.            | 1.5  | 9         |
| 110 | Chaos-guided neural key coordination for improving security of critical energy infrastructures. Complex & Intelligent Systems, 0, , 1.  | 6.5  | 0         |
| 111 | FedCM: A Real-time Contribution Measurement Method for Participants in Federated Learning. , 2021, , .  |      | 6         |
| 112 | Federated transfer learning enabled smart work packaging for preserving personal image information of construction worker. Automation in Construction, 2021, 128, 103738.             | 9.8  | 26        |
| 113 | Blockchain-Enabled Federated Learning on Kubernetes for Air Quality Prediction Applications. Journal of Artificial Intelligence and Capsule Networks, 2021, 3, 196-217.               | 2.5  | 1         |
| 114 | Fast-convergent federated learning with class-weighted aggregation. Journal of Systems Architecture, 2021, 117, 102125.   | 4.3  | 22        |
| 115 | Blockchain for securing aerial communications: Potentials, solutions, and research directions. Physical Communication, 2021, 47, 101390.  | 2.1  | 17        |
| 116 | Blockchain and Artificial Intelligence for Dynamic Resource Sharing in 6G and Beyond. IEEE Wireless Communications, 2021, 28, 145-151.  | 9.0  | 46        |
| 117 | Adaptive Federated Learning and Digital Twin for Industrial Internet of Things. IEEE Transactions on Industrial Informatics, 2021, 17, 5605-5614.                                     | 11.3 | 134       |
| 118 | A trusted consensus fusion scheme for decentralized collaborated learning in massive IoT domain. Information Fusion, 2021, 72, 100-109.   | 19.1 | 24        |
| 119 | Neural synchronization of optimal structure-based group of neural networks. Neurocomputing, 2021, 450, 156-167.   | 5.9  | 2         |
| 120 | Trends in Blockchain and Federated Learning for Data Sharing in Distributed Platforms. , 2021, , .  |      | 10        |
| 121 | Federated Learning Meets Blockchain in Edge Computing: Opportunities and Challenges. IEEE Internet of Things Journal, 2021, 8, 12806-12825.   | 8.7  | 255       |
| 122 | An adaptive federated learning scheme with differential privacy preserving. Future Generation Computer Systems, 2022, 127, 362-372.   | 7.5  | 66        |
| 123 | Review of Recent Technologies for Tackling COVID-19. SN Computer Science, 2021, 2, 460.   | 3.6  | 3         |
| 124 | Agricultural data sharing and sustainable development of ecosystem based on block chain. Journal of Cleaner Production, 2021, 315, 127869.  | 9.3  | 31        |
| 125 | A Survey of Recent Advances in Edge-Computing-Powered Artificial Intelligence of Things. IEEE Internet of Things Journal, 2021, 8, 13849-13875.                                       | 8.7  | 113       |
| 126 | A classification-based privacy-preserving decision-making for secure data sharing in Internet of Things assisted applications. Digital Communications and Networks, 2022, 8, 436-445. | 5.0  | 9         |

| #   | ARTICLE   | IF   | CITATIONS |
|-----|---|------|-----------|
| 127 | An efficient parallel machine learning-based blockchain framework. <i>ICT Express</i> , 2021, 7, 300-307.   | 4.8  | 13        |
| 128 | An Asynchronous Quasi-Cloud/Edge/Client Collaborative Federated Learning Mechanism for Fault Diagnosis. <i>Chinese Journal of Electronics</i> , 2021, 30, 969-977.                            | 1.5  | 9         |
| 129 | Anonymous and Privacy-Preserving Federated Learning With Industrial Big Data. <i>IEEE Transactions on Industrial Informatics</i> , 2021, 17, 6314-6323.                                       | 11.3 | 69        |
| 130 | Trusted data sharing with flexible access control based on blockchain. <i>Computer Standards and Interfaces</i> , 2021, 78, 103543.   | 5.4  | 22        |
| 131 | Federated deep reinforcement learning based secure data sharing for Internet of Things. <i>Computer Networks</i> , 2021, 197, 108327.   | 5.1  | 19        |
| 132 | Magnum: A Distributed Framework for Enabling Transfer Learning in 5G-Enabled Industrial IoT. <i>IEEE Transactions on Industrial Informatics</i> , 2021, 17, 7133-7140.                        | 11.3 | 11        |
| 133 | CMOS technology-based energy efficient artificial neural session key synchronization for securing IoT. <i>Computers and Electrical Engineering</i> , 2021, 95, 107369.                        | 4.8  | 1         |
| 134 | Blockchain-Based Key Management for Heterogeneous Flying Ad Hoc Network. <i>IEEE Transactions on Industrial Informatics</i> , 2021, 17, 7629-7638.  | 11.3 | 42        |
| 135 | A Novel Image Steganography Method for Industrial Internet of Things Security. <i>IEEE Transactions on Industrial Informatics</i> , 2021, 17, 7743-7751.                                      | 11.3 | 67        |
| 136 | Neural weight coordination-based vector-valued neural network synchronization. <i>Neurocomputing</i> , 2021, 464, 507-521.  | 5.9  | 3         |
| 137 | Blockchain Empowered Differentially Private and Auditable Data Publishing in Industrial IoT. <i>IEEE Transactions on Industrial Informatics</i> , 2021, 17, 7659-7668.                        | 11.3 | 6         |
| 138 | Efficient federated convolutional neural network with information fusion for rolling bearing fault diagnosis. <i>Control Engineering Practice</i> , 2021, 116, 104913.                        | 5.5  | 36        |
| 139 | Energy-Efficient Industrial Internet of Things: Overview and Open Issues. <i>IEEE Transactions on Industrial Informatics</i> , 2021, 17, 7225-7237.   | 11.3 | 84        |
| 140 | Secured communication using efficient artificial neural synchronization. <i>Engineering Applications of Artificial Intelligence</i> , 2021, 106, 104478.                                      | 8.1  | 4         |
| 141 | Probabilistic Solar Irradiation Forecasting Based on Variational Bayesian Inference With Secure Federated Learning. <i>IEEE Transactions on Industrial Informatics</i> , 2021, 17, 7849-7859. | 11.3 | 46        |
| 142 | TrustFed: A Framework for Fair and Trustworthy Cross-Device Federated Learning in IIoT. <i>IEEE Transactions on Industrial Informatics</i> , 2021, 17, 8485-8494.                             | 11.3 | 56        |
| 143 | An Asynchronous and Real-Time Update Paradigm of Federated Learning for Fault Diagnosis. <i>IEEE Transactions on Industrial Informatics</i> , 2021, 17, 8531-8540.                            | 11.3 | 44        |
| 144 | A Distributed Hierarchical Deep Computation Model for Federated Learning in Edge Computing. <i>IEEE Transactions on Industrial Informatics</i> , 2021, 17, 7946-7956.                         | 11.3 | 24        |

| #   | ARTICLE  | IF   | CITATIONS |
|-----|--|------|-----------|
| 145 | Privacy-preserving Byzantine-robust federated learning. Computer Standards and Interfaces, 2022, 80, 103561.   | 5.4  | 19        |
| 146 | Cross-Cluster Federated Learning and Blockchain for Internet of Medical Things. IEEE Internet of Things Journal, 2021, 8, 15776-15784.   | 8.7  | 44        |
| 147 | Federated Learning Research: Trends and Bibliometric Analysis. Studies in Computational Intelligence, 2021, , 1-19.  | 0.9  | 6         |
| 148 | Privacy-Preserved Federated Learning for Autonomous Driving. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 8423-8434.   | 8.0  | 58        |
| 149 | A Blockchain-Based Machine Learning Framework for Edge Services in IIoT. IEEE Transactions on Industrial Informatics, 2022, 18, 1918-1929.   | 11.3 | 58        |
| 150 | The Block Propagation in Blockchain-Based Vehicular Networks. IEEE Internet of Things Journal, 2022, 9, 8001-8011.   | 8.7  | 9         |
| 151 | Vulnerabilities in Federated Learning. IEEE Access, 2021, 9, 63229-63249.  | 4.2  | 75        |
| 152 | Slicing-Based Reliable Resource Orchestration for Secure Software-Defined Edge-Cloud Computing Systems. IEEE Internet of Things Journal, 2022, 9, 2637-2648.   | 8.7  | 11        |
| 153 | Challenges, Applications and Design Aspects of Federated Learning: A Survey. IEEE Access, 2021, 9, 124682-124700.  | 4.2  | 45        |
| 154 | Privacy Issues in Edge Computing. Wireless Networks, 2021, , 15-34.  | 0.5  | 5         |
| 155 | Toward On-Device Federated Learning: A Direct Acyclic Graph-Based Blockchain Approach. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 2028-2042.                                   | 11.3 | 31        |
| 156 | Blockchain-Empowered Federated Learning Approach for an Intelligent and Reliable D2D Caching Scheme. IEEE Internet of Things Journal, 2022, 9, 7879-7890.  | 8.7  | 12        |
| 157 | Establishing a Cybersecurity Home Monitoring System for the Elderly. IEEE Transactions on Industrial Informatics, 2022, 18, 4838-4845.   | 11.3 | 7         |
| 158 | Blockchain-Enabled Federated Learning Data Protection Aggregation Scheme With Differential Privacy and Homomorphic Encryption in IIoT. IEEE Transactions on Industrial Informatics, 2022, 18, 4049-4058. | 11.3 | 118       |
| 159 | Federated Learning for Internet of Things: A Comprehensive Survey. IEEE Communications Surveys and Tutorials, 2021, 23, 1622-1658.   | 39.4 | 365       |
| 160 | Adaptive Privacy-Preserving Federated Learning for Fault Diagnosis in Internet of Ships. IEEE Internet of Things Journal, 2022, 9, 6844-6854.  | 8.7  | 34        |
| 161 | Blockchain-Supported Federated Learning for Trustworthy Vehicular Networks. , 2020, , .  |      | 45        |
| 162 | Toward Smart Manufacturing Using Spiral Digital Twin Framework and Twinchain. IEEE Transactions on Industrial Informatics, 2022, 18, 1359-1366.  | 11.3 | 39        |

| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 163 | Blockchain-Enabled Edge Intelligence for IoT: Background, Emerging Trends and Open Issues. Future Internet, 2021, 13, 48.   | 3.8 | 27        |
| 164 | Federated Deep Learning for Cyber Security in the Internet of Things: Concepts, Applications, and Experimental Analysis. IEEE Access, 2021, 9, 138509-138542.                           | 4.2 | 103       |
| 165 | Permissioned Blockchain Frame for Secure Federated Learning. IEEE Communications Letters, 2022, 26, 13-17.  | 4.1 | 16        |
| 166 | Federated Learning Model with Augmentation and Samples Exchange Mechanism. Lecture Notes in Computer Science, 2021, , 214-223.  | 1.3 | 2         |
| 167 | A Novel Protocol-Free Bandage-Cover Cryptographer. IEEE Transactions on Cybernetics, 2022, 52, 11431-11441.   | 9.5 | 1         |
| 168 | An Implementation of a Blockchain-based Data Marketplace using Geth. , 2021, , .  |     | 4         |
| 169 | Generative adversarial network-based efficient synchronization of group of neural networks to exchange the neural key. Journal of Ambient Intelligence and Humanized Computing, 0, , 1. | 4.9 | 0         |
| 170 | Security and privacy-aware Artificial Intrusion Detection System using Federated Machine Learning. Computers and Electrical Engineering, 2021, 96, 107440.                              | 4.8 | 26        |
| 171 | Bring Intelligence among Edges: A Blockchain-Assisted Edge Intelligence Approach. , 2020, , .   |     | 9         |
| 172 | Fed-DFE: A Decentralized Function Encryption-Based Privacy-Preserving Scheme for Federated Learning. Computers, Materials and Continua, 2022, 71, 1867-1886.                            | 1.9 | 5         |
| 173 | A Blockchain-Enabled Federated Learning Model for Privacy Preservation: System Design. Lecture Notes in Computer Science, 2021, , 473-489.  | 1.3 | 17        |
| 174 | Real-Time Automatic Configuration Tuning for Smart Manufacturing with Federated Deep Learning. Lecture Notes in Computer Science, 2020, , 304-318.                                      | 1.3 | 3         |
| 175 | SECURITY ENHANCEMENT OF IIOT WITH PERMISSIONED BLOCKCHAIN AND CLOUD COMPUTING. , 2021, , .  |     | 1         |
| 177 | EdgeShare: A blockchain-based edge data-sharing framework for Industrial Internet of Things. Neurocomputing, 2022, 485, 219-232.  | 5.9 | 18        |
| 178 | A secure and flexible edge computing scheme for AI-driven industrial IoT. Cluster Computing, 2023, 26, 283-301.   | 5.0 | 4         |
| 179 | Leveraging Federated Learning & Blockchain to counter Adversarial Attacks in Incremental Learning. , 2020, , .  |     | 2         |
| 180 | An Efficient and Robust Aggregation Algorithm for Learning Federated CNN. , 2020, , .   |     | 9         |
| 181 | Distributed Feature Selection Considering Data Pricing Based on Edge Computing in Electricity Spot Markets. IEEE Internet of Things Journal, 2023, 10, 2231-2244.                       | 8.7 | 2         |

| #   | ARTICLE  | IF   | CITATIONS |
|-----|--|------|-----------|
| 182 | Faster Synchronization of Triple Layer Neural Network Using Nature Inspired Whale Optimization: A Key Exchange Protocol. <i>Wireless Personal Communications</i> , 0, , 1.                             | 2.7  | 0         |
| 183 | Secure verifiable aggregation for blockchain-based federated averaging. <i>High-Confidence Computing</i> , 2022, 2, 100046.  | 3.7  | 8         |
| 184 | Blockchain for federated learning toward secure distributed machine learning systems: a systemic survey. <i>Soft Computing</i> , 2022, 26, 4423-4440.  | 3.6  | 80        |
| 185 | A Blockchain-Based Federated Learning Method for Smart Healthcare. <i>Computational Intelligence and Neuroscience</i> , 2021, 2021, 1-12.  | 1.7  | 30        |
| 186 | A reward response game in the blockchain-powered federated learning system. <i>International Journal of Parallel, Emergent and Distributed Systems</i> , 2022, 37, 68-90.                              | 1.0  | 2         |
| 187 | Decentralized Federated Learning Framework for the Neighborhood. , 2021, , .   |      | 20        |
| 188 | Towards Communication-Efficient and Attack-Resistant Federated Edge Learning for Industrial Internet of Things. <i>ACM Transactions on Internet Technology</i> , 2022, 22, 1-22.                       | 4.4  | 17        |
| 189 | Dronesâ€™ Edge Intelligence Over Smart Environments in B5G: Blockchain and Federated Learning Synergy. <i>IEEE Transactions on Green Communications and Networking</i> , 2022, 6, 295-312.             | 5.5  | 58        |
| 190 | Private 5G Networks: Concepts, Architectures, and Research Landscape. <i>IEEE Journal on Selected Topics in Signal Processing</i> , 2022, 16, 7-25.  | 10.8 | 56        |
| 191 | The Duo of Artificial Intelligence and Big Data for Industry 4.0: Applications, Techniques, Challenges, and Future Research Directions. <i>IEEE Internet of Things Journal</i> , 2022, 9, 12861-12885. | 8.7  | 50        |
| 193 | Intrusion Detection Based on Privacy-Preserving Federated Learning for the Industrial IoT. <i>IEEE Transactions on Industrial Informatics</i> , 2023, 19, 1145-1154.                                   | 11.3 | 26        |
| 194 | AFL: An Adaptively Federated Multitask Learning for Model Sharing in Industrial IoT. <i>IEEE Internet of Things Journal</i> , 2022, 9, 17080-17088.  | 8.7  | 7         |
| 195 | BESIFL: Blockchain-Empowered Secure and Incentive Federated Learning Paradigm in IoT. <i>IEEE Internet of Things Journal</i> , 2023, 10, 6561-6573.  | 8.7  | 21        |
| 196 | Privacy-Preserving Distribution and Access Control of Personalized Healthcare Data. <i>IEEE Transactions on Industrial Informatics</i> , 2022, 18, 5584-5591.  | 11.3 | 1         |
| 197 | Decentralized Deep Learning for Multi-Access Edge Computing: A Survey on Communication Efficiency and Trustworthiness. <i>IEEE Transactions on Artificial Intelligence</i> , 2022, 3, 963-972.         | 4.7  | 13        |
| 198 | A Peer-2-Peer Management and Secure Policy of the Energy Internet in Smart Microgrids. <i>IEEE Transactions on Industrial Informatics</i> , 2021, , 1-1.   | 11.3 | 6         |
| 199 | Blockchain and Federated Edge Learning for Privacy-Preserving Mobile Crowdsensing. <i>IEEE Internet of Things Journal</i> , 2023, 10, 12000-12011.   | 8.7  | 16        |
| 200 | Smart Detection and Preservation of Privacy Concerns in lot Systems: A Systematic Literature Review. <i>SSRN Electronic Journal</i> , 0, , .   | 0.4  | 0         |

| #   | ARTICLE  | IF   | CITATIONS |
|-----|--|------|-----------|
| 201 | Secure and Efficient Blockchain-Based Knowledge Sharing for Intelligent Connected Vehicles. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 14620-14631.                | 8.0  | 11        |
| 202 | An intelligent and privacy-enhanced data sharing strategy for blockchain-empowered Internet of Things. Digital Communications and Networks, 2022, 8, 636-643.                              | 5.0  | 15        |
| 203 | Privacy-preserving blockchain-enabled federated learning for 5G-Driven edge computing. Computer Networks, 2022, 204, 108671.   | 5.1  | 25        |
| 204 | The role of cross-silo federated learning in facilitating data sharing in the agri-food sector. Computers and Electronics in Agriculture, 2022, 193, 106648.                               | 7.7  | 29        |
| 205 | Be Your Neighbor's Miner: Building Trust in Ledger Content via Reciprocally Useful Work. , 2020, , .   |      | 5         |
| 206 | Retrospective Sensing Based on Federated Learning in the IoT. , 2020, , .  |      | 2         |
| 208 | Information Stealing in Federated Learning Systems Based on Generative Adversarial Networks. , 2021, , .   |      | 5         |
| 209 | FedVF: Personalized Federated Learning Based on Layer-wise Parameter Updates with Variable Frequency. , 2021, , .  |      | 4         |
| 210 | FedDCS: Federated Learning Framework based on Dynamic Client Selection. , 2021, , .  |      | 2         |
| 211 | Applying Federated Learning in Software-Defined Networks: A Survey. Symmetry, 2022, 14, 195.   | 2.2  | 18        |
| 212 | IoMT: A COVID-19 Healthcare System Driven by Federated Learning and Blockchain. IEEE Journal of Biomedical and Health Informatics, 2023, 27, 823-834.                                      | 6.3  | 45        |
| 213 | Edge Artificial Intelligence for 6G: Vision, Enabling Technologies, and Applications. IEEE Journal on Selected Areas in Communications, 2022, 40, 5-36.                                    | 14.0 | 206       |
| 214 | Blockchain Assisted Decentralized Federated Learning (BLADE-FL): Performance Analysis and Resource Allocation. IEEE Transactions on Parallel and Distributed Systems, 2022, 33, 2401-2415. | 5.6  | 60        |
| 215 | A Blockchain Based Privacy-Preserving Incentive Mechanism for Internet of Vehicles in Satellite-Terrestrial Crowdsensing. Wireless Communications and Mobile Computing, 2022, 2022, 1-13.  | 1.2  | 2         |
| 216 | Trust Management for Internet of Things: A Comprehensive Study. IEEE Internet of Things Journal, 2022, 9, 7664-7679.   | 8.7  | 24        |
| 217 | FLOM: Toward Efficient Task Processing in Big Data with Federated Learning. Security and Communication Networks, 2022, 2022, 1-16.   | 1.5  | 2         |
| 218 | Blockchain-Based Privacy-Preserving and Rewarding Private Data Sharing for IoT. IEEE Internet of Things Journal, 2022, 9, 15138-15149.   | 8.7  | 55        |
| 219 | Federated Learning Protocols for IoT Edge Computing. IEEE Internet of Things Journal, 2022, 9, 13570-13581.  | 8.7  | 3         |

| #   | ARTICLE  | IF   | CITATIONS |
|-----|--|------|-----------|
| 220 | 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. | 39.4 | 93        |
| 221 | Chaos coordinated neural key synchronization for enhancing security of IoT. Complex & Intelligent Systems, 2022, 8, 1619-1637.   | 6.5  | 2         |
| 222 | The Role of Communication Time in the Convergence of Federated Edge Learning. IEEE Transactions on Vehicular Technology, 2022, 71, 3241-3254.  | 6.3  | 3         |
| 223 | Homogeneous Learning: Self-Attention Decentralized Deep Learning. IEEE Access, 2022, 10, 7695-7703.  | 4.2  | 3         |
| 224 | A privacy-preserving and verifiable federated learning method based on blockchain. Computer Communications, 2022, 186, 1-11.   | 5.1  | 17        |
| 225 | Attention-based federated incremental learning for traffic classification in the Internet of Things. Computer Communications, 2022, 185, 168-175.  | 5.1  | 10        |
| 226 | A Privacy and Efficiency-Oriented Data Sharing Mechanism for IoTs. IEEE Transactions on Big Data, 2023, 9, 174-185.  | 6.1  | 10        |
| 227 | On Attacks To Federated Learning and a Blockchain-empowered Protection. , 2022, , .  |      | 2         |
| 228 | A Privacy-Preserving Multidimensional Range Query Scheme for Edge-Supported Industrial IoT. IEEE Internet of Things Journal, 2022, 9, 15285-15296.   | 8.7  | 7         |
| 229 | SecureIoT Environment: Federated Learning Empowered Approach for Securing IIoT From Data Breach. IEEE Transactions on Industrial Informatics, 2022, 18, 6406-6414.                           | 11.3 | 17        |
| 230 | A Secure Cloudlet-Based Charging Station Recommendation for Electric Vehicles Empowered by Federated Learning. IEEE Transactions on Industrial Informatics, 2022, 18, 6464-6473.             | 11.3 | 21        |
| 231 | FGFL: A blockchain-based fair incentive governor for Federated Learning. Journal of Parallel and Distributed Computing, 2022, 163, 283-299.  | 4.1  | 22        |
| 232 | Break the Data Barriers While Keeping Privacy: A Graph Differential Privacy Method. IEEE Internet of Things Journal, 2023, 10, 3840-3850.  | 8.7  | 3         |
| 233 | Privacy-Preserved Credit Data Sharing Integrating Blockchain and Federated Learning for Industrial 4.0. IEEE Transactions on Industrial Informatics, 2022, 18, 8755-8764.                    | 11.3 | 20        |
| 234 | Fed-Tra: Improving Accuracy of Deep Learning Model on Non-iid in Federated Learning. Lecture Notes in Computer Science, 2022, , 790-803.   | 1.3  | 1         |
| 235 | Federated-Learning Based Privacy Preservation and Fraud-Enabled Blockchain IoMT System for Healthcare. IEEE Journal of Biomedical and Health Informatics, 2023, 27, 664-672.                 | 6.3  | 41        |
| 236 | A Blockchain-Empowered Cluster-Based Federated Learning Model for Blade Icing Estimation on IoT-Enabled Wind Turbine. IEEE Transactions on Industrial Informatics, 2022, 18, 9184-9195.      | 11.3 | 12        |
| 237 | High-Quality Model Aggregation for Blockchain-Based Federated Learning via Reputation-Motivated Task Participation. IEEE Internet of Things Journal, 2022, 9, 18378-18391.                   | 8.7  | 29        |

| #   | ARTICLE  | IF   | CITATIONS |
|-----|--|------|-----------|
| 238 | Utilizing Blockchain for IoT Privacy through Enhanced ECIES with Secure Hash Function. Future Internet, 2022, 14, 77.  | 3.8  | 5         |
| 239 | Blockchain Data Privacy Protection and Sharing Scheme Based on Zero-Knowledge Proof. Wireless Communications and Mobile Computing, 2022, 2022, 1-11.   | 1.2  | 7         |
| 240 | AI on the edge: a comprehensive review. Artificial Intelligence Review, 2022, 55, 6125-6183.   | 15.7 | 17        |
| 241 | Development of GAN-based optimal neural network structure for group synchronization. Multimedia Tools and Applications, 0, , 1.  | 3.9  | 0         |
| 242 | An energy-efficient data management scheme for industrial IoT. International Journal of Communication Systems, 0, , .  | 2.5  | 2         |
| 243 | FLaMAS: Federated Learning Based on a SPADE MAS. Applied Sciences (Switzerland), 2022, 12, 3701.   | 2.5  | 8         |
| 244 | TradeChain: Decoupling Traceability and Identity in Blockchain enabled Supply Chains. , 2021, , .  |      | 10        |
| 245 | Mobile Blockchain-Empowered Federated Learning: Current Situation And Further Prospect. , 2021, , .  |      | 2         |
| 246 | Comparative Analysis of IoT based Blockchain Secure framework for Various Applications. , 2021, , .  |      | 0         |
| 247 | Lightweight Blockchain Secured Framework for Smart Precise Farming System. , 2021, , .   |      | 1         |
| 248 | Enabling machine learning-based side-chaining for improving <scp>QoS</scp> in blockchain-empowered <scp>IoT</scp> networks. Transactions on Emerging Telecommunications Technologies, 2022, 33, .    | 3.9  | 6         |
| 249 | BePOCH: Improving Federated Learning Performance in Resource-Constrained Computing Devices. , 2021, , .  |      | 5         |
| 251 | Secure Federated Learning Based on Coded Distributed Computing. , 2021, , .  |      | 0         |
| 252 | Personalized Federated Learning System Based on Permissioned Blockchain. , 2021, , .   |      | 1         |
| 253 | A survey on federated learning in data mining. Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery, 2022, 12, .   | 6.8  | 17        |
| 254 | Multi-Modal COVID-19 Discovery With Collaborative Federated Learning. , 2021, , .  |      | 7         |
| 255 | Unsupervised Federated Adversarial Domain Adaptation for Heterogeneous Internet of Things. , 2021, , .   |      | 0         |
| 256 | On the Feasibility of Split Learning, Transfer Learning and Federated Learning for Preserving Security in ITS Systems. IEEE Transactions on Intelligent Transportation Systems, 2023, 24, 7462-7470. | 8.0  | 9         |

| #   | ARTICLE   | IF   | CITATIONS |
|-----|---|------|-----------|
| 257 | Communication-Efficient Federated Learning for Digital Twin Systems of Industrial Internet of Things. IFAC-PapersOnLine, 2022, 55, 433-438.   | 0.9  | 4         |
| 258 | Edge Computing-Aided Coded Vertical Federated Linear Regression. IEEE Transactions on Cognitive Communications and Networking, 2022, 8, 1543-1551.  | 7.9  | 3         |
| 259 | Multitentacle Federated Learning Over Software-Defined Industrial Internet of Things Against Adaptive Poisoning Attacks. IEEE Transactions on Industrial Informatics, 2023, 19, 1260-1269.                            | 11.3 | 24        |
| 261 | A Federated Dictionary Learning Method for Process Monitoring With Industrial Applications. IEEE Transactions on Artificial Intelligence, 2023, 4, 1017-1028.   | 4.7  | 5         |
| 262 | DLBN: Group Storage Mechanism Based on Double-Layer Blockchain Network. IEEE Internet of Things Journal, 2022, 9, 19649-19659.  | 8.7  | 7         |
| 263 | SPDL: A Blockchain-Enabled Secure and Privacy-Preserving Decentralized Learning System. IEEE Transactions on Computers, 2023, 72, 548-558.  | 3.4  | 16        |
| 264 | Candidate Models for Federated Learning with Blockchain. , 2022, , .  |      | 1         |
| 265 | Federated learning-based IoT: A systematic literature review. International Journal of Communication Systems, 2022, 35, .   | 2.5  | 6         |
| 266 | Towards Fast and Accurate Federated Learning with non-IID Data for Cloud-Based IoT Applications. Journal of Circuits, Systems and Computers, 0, , .   | 1.5  | 2         |
| 267 | Data Trusts as a Service: Providing a platform for multi-party data sharing. International Journal of Information Management Data Insights, 2022, 2, 100075.  | 9.7  | 13        |
| 268 | Efficient Ring-Topology Decentralized Federated Learning with Deep Generative Models for Medical Data in eHealthcare Systems. Electronics (Switzerland), 2022, 11, 1548.  | 3.1  | 9         |
| 269 | Big Data analytics for privacy through ND-homomorphic encryption. Journal of Control and Decision, 2023, 10, 64-71.   | 1.6  | 1         |
| 270 | A blockchain-based audit approach for encrypted data in federated learning. Digital Communications and Networks, 2022, 8, 614-624.  | 5.0  | 12        |
| 271 | Defense Strategies Toward Model Poisoning Attacks in Federated Learning: A Survey. , 2022, , .  |      | 3         |
| 272 | Collaborative Machine Learning: Schemes, Robustness, and Privacy. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 9625-9642.   | 11.3 | 2         |
| 273 | Research on Blockchain Privacy Protection Mechanism in Financial Transaction Services Based on Zero-Knowledge Proof and Federal Learning. IFIP Advances in Information and Communication Technology, 2022, , 245-259. | 0.7  | 1         |
| 274 | A Review on Federated Learning and Machine Learning Approaches: Categorization, Application Areas, and Blockchain Technology. Information (Switzerland), 2022, 13, 263.   | 2.9  | 17        |
| 275 | Perturbation-enabled Deep Federated Learning for Preserving Internet of Things-based Social Networks. ACM Transactions on Multimedia Computing, Communications and Applications, 2022, 18, 1-19.                      | 4.3  | 6         |

| #   | ARTICLE   | IF   | CITATIONS |
|-----|---|------|-----------|
| 276 | FedProLs: federated learning for IoT perception data prediction. Applied Intelligence, 2023, 53, 3563-3575.   | 5.3  | 6         |
| 277 | Transparency-privacy Trade-off in Blockchain-Based Supply Chain in Industrial Internet of Things. , 2021, , .   |      | 2         |
| 278 | Toward Digital Twin Oriented Modeling of Complex Networked Systems and Their Dynamics: A Comprehensive Survey. IEEE Access, 2022, 10, 66886-66923.                                | 4.2  | 9         |
| 279 | Sandbox Computing: A Data Privacy Trusted Sharing Paradigm via Blockchain and Federated Learning. IEEE Transactions on Computers, 2022, , 1-12.                                   | 3.4  | 3         |
| 280 | Rendering Secure and Trustworthy Edge Intelligence in 5G-Enabled IIoT Using Proof of Learning Consensus Protocol. IEEE Transactions on Industrial Informatics, 2023, 19, 900-909. | 11.3 | 2         |
| 281 | Performance Analysis of Blockchain-Enabled Data-Sharing Scheme in Cloud-Edge Computing-Based IoT Networks. IEEE Internet of Things Journal, 2022, 9, 21520-21536.                 | 8.7  | 14        |
| 282 | Proof of Delivery Smart Contract for Performance Measurements. IEEE Access, 2022, 10, 69147-69159.  | 4.2  | 7         |
| 283 | Handling Privacy-Sensitive Medical Data With Federated Learning: Challenges and Future Directions. IEEE Journal of Biomedical and Health Informatics, 2023, 27, 790-803.          | 6.3  | 19        |
| 284 | Overview of Distributed Machine Learning Techniques for 6G Networks. Algorithms, 2022, 15, 210.   | 2.1  | 19        |
| 285 | Blockchain for Health IoT: A privacy-preserving data sharing system. Software - Practice and Experience, 2022, 52, 2026-2044.   | 3.6  | 6         |
| 286 | Integrating Edge Intelligence and Blockchain: What, Why, and How. IEEE Communications Surveys and Tutorials, 2022, 24, 2193-2229.   | 39.4 | 13        |
| 288 | Control over Blockchain for Data-Driven Fault Tolerant Control in Industry 4.0. , 2022, , .   |      | 2         |
| 289 | Accelerating Blockchain-enabled Distributed Machine Learning by Proof of Useful Work. , 2022, , .   |      | 0         |
| 290 | Integration of blockchain and collaborative intrusion detection for secure data transactions in industrial IoT: a survey. Cluster Computing, 2022, 25, 4129-4149.                 | 5.0  | 5         |
| 291 | Incentive techniques for the Internet of Things: A survey. Journal of Network and Computer Applications, 2022, 206, 103464.   | 9.1  | 34        |
| 292 | Cross-organisational data sharing framework based on blockchain-probes. IET Networks, 0, , .  | 1.8  | 0         |
| 293 | Data Privacy Security Mechanism of Industrial Internet of Things Based on Block Chain. Applied Sciences (Switzerland), 2022, 12, 6859.  | 2.5  | 6         |
| 294 | When Federated Learning Meets Blockchain: A New Distributed Learning Paradigm. IEEE Computational Intelligence Magazine, 2022, 17, 26-33.   | 3.2  | 44        |

| #   | ARTICLE  | IF   | CITATIONS |
|-----|--|------|-----------|
| 295 | Privacy protection federated learning system based on blockchain and edge computing in mobile crowdsourcing. <i>Computer Networks</i> , 2022, 215, 109206.                                 | 5.1  | 14        |
| 296 | A study of a federated learning framework based on the interstellar file system and blockchain: Private Blockchain Federated Learning. , 2022, , .   |      | 1         |
| 297 | User-centric In-network Caching Mechanism for Off-chain Storage with Blockchain. , 2022, , .   |      | 2         |
| 298 | SPRITE: A Scalable Privacy-Preserving and Verifiable Collaborative Learning for Industrial IoT. , 2022, , .  |      | 2         |
| 299 | Smoothing Method of User-equipment Accommodation for Blockchain-based Wireless Network Sharing. , 2022, , .  |      | 0         |
| 300 | A Comprehensive Study on Artificial Intelligence and Blockchain Driven Beyond 5G Networks. , 2022, , .   |      | 0         |
| 301 | Towards Fair and Decentralized Federated Learning System for Gradient Boosting Decision Trees. Security and Communication Networks, 2022, 2022, 1-18.                                      | 1.5  | 2         |
| 302 | A Hierarchy Byzantine Fault Tolerance Consensus Protocol Based on Node Reputation. <i>Sensors</i> , 2022, 22, 5887.  | 3.8  | 4         |
| 303 | Privacy-preserving household load forecasting based on non-intrusive load monitoring: A federated deep learning approach. <i>PeerJ Computer Science</i> , 0, 8, e1049.                     | 4.5  | 4         |
| 304 | A survey on blockchain-enabled federated learning and its prospects with digital twin. <i>Digital Communications and Networks</i> , 2022, , .  | 5.0  | 10        |
| 305 | Federated learning-based AI approaches in smart healthcare: concepts, taxonomies, challenges and open issues. <i>Cluster Computing</i> , 2023, 26, 2271-2311.                              | 5.0  | 49        |
| 306 | Federated Learning and Its Role in the Privacy Preservation of IoT Devices. <i>Future Internet</i> , 2022, 14, 246.  | 3.8  | 23        |
| 307 | On the use of artificial intelligence to deal with privacy in IoT systems: A systematic literature review. <i>Journal of Systems and Software</i> , 2022, 193, 111475.                     | 4.5  | 7         |
| 308 | Federated learning review: Fundamentals, enabling technologies, and future applications. <i>Information Processing and Management</i> , 2022, 59, 103061.                                  | 8.6  | 123       |
| 310 | HBFL: A hierarchical blockchain-based federated learning framework for collaborative IoT intrusion detection. <i>Computers and Electrical Engineering</i> , 2022, 103, 108379.             | 4.8  | 22        |
| 311 | Privacy-preserving federated learning for residential short-term load forecasting. <i>Applied Energy</i> , 2022, 326, 119915.  | 10.1 | 25        |
| 312 | CGAN-Based Collaborative Intrusion Detection for UAV Networks: A Blockchain-Empowered Distributed Federated Learning Approach. <i>IEEE Internet of Things Journal</i> , 2023, 10, 120-132. | 8.7  | 16        |
| 313 | Fully-Decentralized Fairness-Aware Federated MEC Small-Cell Peer-Offloading for Enterprise Management Networks. <i>IEEE Transactions on Industrial Informatics</i> , 2023, 19, 644-652.    | 11.3 | 6         |

| #   | ARTICLE  | IF   | CITATIONS |
|-----|--|------|-----------|
| 314 | Decoupling Predictions in Distributed Learning for Multi-center Left Atrial MRI Segmentation. Lecture Notes in Computer Science, 2022, , 517-527.              | 1.3  | 0         |
| 315 | Blockchain Driven Edge Intelligence. Wireless Networks, 2022, , 43-78.   | 0.5  | 0         |
| 316 | Intelligent and Interactive Healthcare System (I <sup>2</sup> HS) Using Machine Learning. IEEE Access, 2022, 10, 116402-116424.                                | 4.2  | 2         |
| 317 | Reconfigurable Intelligent Surface-Enabled Federated Learning for Power-Constrained Devices. IEEE Communications Letters, 2022, 26, 2725-2729.                 | 4.1  | 3         |
| 318 | AI-Bazaar: A Cloud-Edge Computing Power Trading Framework for Ubiquitous AI Services. IEEE Transactions on Cloud Computing, 2022, , 1-13.                      | 4.4  | 8         |
| 319 | Double Rainbows: A Promising Distributed Data Sharing in Augmented Intelligence of Things. IEEE Transactions on Industrial Informatics, 2023, 19, 653-661.     | 11.3 | 3         |
| 320 | An Intelligent Privacy Preservation Scheme for EV Charging Infrastructure. IEEE Transactions on Industrial Informatics, 2023, 19, 1238-1247.                   | 11.3 | 3         |
| 321 | A Comprehensive Review on Artificial Intelligence/Machine Learning Algorithms for Empowering the Future IoT Toward 6G Era. IEEE Access, 2022, 10, 87535-87562. | 4.2  | 33        |
| 322 | Tailoring Blockchain to Edge Intelligence. Wireless Networks, 2022, , 79-104.  | 0.5  | 0         |
| 323 | FlowChain: The Playground for Federated Learning in Industrial Internet of Things Environments. IEEE Internet of Things Magazine, 2022, 5, 78-83.              | 2.6  | 2         |
| 324 | Post-Quantum Blockchain-Based Data Sharing for IoT Service Providers. IEEE Internet of Things Magazine, 2022, 5, 96-101.                                       | 2.6  | 5         |
| 325 | Blockchain Federated Learning for Privacy and Security Preservation: Practical Example of Diagnosing Cerebellar Ataxia. , 2022, , .                            |      | 1         |
| 326 | FusionFedBlock: Fusion of blockchain and federated learning to preserve privacy in industry 5.0. Information Fusion, 2023, 90, 233-240.                        | 19.1 | 30        |
| 327 | A Blockchain-based Multi-layer Decentralized Framework for Robust Federated Learning. , 2022, , .  |      | 2         |
| 328 | Blockchain-based Access Control Model with Privacy preservation in a Fog Computing Environment. , 2022, , .  |      | 3         |
| 329 | Databox-based Delivery Service via Blockchain. , 2022, , .   |      | 1         |
| 330 | Privacy-Preserving Federated Learning based on Differential Privacy and Momentum Gradient Descent. , 2022, , .   |      | 3         |
| 331 | Robust privacy-preserving federated learning framework for IoT devices. International Journal of Intelligent Systems, 2022, 37, 9655-9673.                     | 5.7  | 1         |

| #   | ARTICLE  | IF   | CITATIONS |
|-----|--|------|-----------|
| 332 | Privacy enhanced key management protocol for handling remote data using deep learning and evolutionary models. International Journal of Health Sciences, 0, , 12353-12360.                                     | 0.1  | 0         |
| 333 | A Blockchain-based Incentive Architecture for Federated Learning. , 2022, , .  |      | 1         |
| 334 | Advancing Blockchain-based Federated Learning through Verifiable Off-chain Computations. , 2022, , .   |      | 10        |
| 335 | VFLF: A verifiable federated learning framework against malicious aggregators in Industrial Internet of Things. Concurrency Computation Practice and Experience, 0, , .  | 2.2  | 1         |
| 336 | Design of Enterprise Financial Information Fusion Sharing System Based on Blockchain Technology. Computational Intelligence and Neuroscience, 2022, 2022, 1-12.  | 1.7  | 2         |
| 337 | Secure Blockchain Middleware for Decentralized IIoT towards Industry 5.0: A Review of Architecture, Enablers, Challenges, and Directions. Machines, 2022, 10, 858.   | 2.2  | 21        |
| 338 | Analysis and evaluation of synchronous and asynchronous FLchain. Computer Networks, 2022, 218, 109390.   | 5.1  | 2         |
| 339 | Survey on the Convergence of Machine Learning and Blockchain. Lecture Notes in Networks and Systems, 2023, , 170-189.  | 0.7  | 1         |
| 340 | Federated Route Leak Detection in Inter-domain Routing with Privacy Guarantee. ACM Transactions on Internet Technology, 2023, 23, 1-22.  | 4.4  | 2         |
| 341 | Blockchain-empowered secure federated learning system: Architecture and applications. Computer Communications, 2022, 196, 55-65.   | 5.1  | 10        |
| 342 | A User-Centered Medical Data Sharing Scheme for Privacy-Preserving Machine Learning. Security and Communication Networks, 2022, 2022, 1-16.  | 1.5  | 2         |
| 343 | Data sharing concepts: a viable system model diagnosis. Kybernetes, 2022, ahead-of-print, .  | 2.2  | 2         |
| 344 | Trusted Data Sharing Mechanism Based on Blockchain and Federated Learning in Space-Air-Ground Integrated Networks. Wireless Communications and Mobile Computing, 2022, 2022, 1-9.                              | 1.2  | 1         |
| 345 | A Study of Blockchain-Based Federated Learning. Adaptation, Learning, and Optimization, 2023, , 139-165.   | 0.6  | 3         |
| 346 | DFHelper: Help clients to participate in federated learning tasks. Applied Intelligence, 0, , .  | 5.3  | 0         |
| 347 | A Decentralized Federated Learning Framework via Committee Mechanism With Convergence Guarantee. IEEE Transactions on Parallel and Distributed Systems, 2022, 33, 4783-4800.                                   | 5.6  | 24        |
| 348 | Blockchain-Empowered Efficient Data Sharing in Internet of Things Settings. IEEE Journal on Selected Areas in Communications, 2022, 40, 3422-3436.   | 14.0 | 17        |
| 349 | Incentivizing Proof-of-Stake Blockchain for Secured Data Collection in UAV-Assisted IoT: A Multi-Agent Reinforcement Learning Approach. IEEE Journal on Selected Areas in Communications, 2022, 40, 3470-3484. | 14.0 | 12        |

| #   | ARTICLE   | IF   | CITATIONS |
|-----|---|------|-----------|
| 350 | Recording Behaviors of Artificial Intelligence in Blockchains. IEEE Transactions on Artificial Intelligence, 2023, 4, 1437-1448.  | 4.7  | 1         |
| 351 | A Hierarchical Clustering Federated Learning System Based on Industry 4.0. Journal of Organizational and End User Computing, 2022, 34, 1-16.  | 2.9  | 3         |
| 352 | DRL and Blockchain Empowered Federated Learning Framework for Genetic Data Engineering. Lecture Notes in Electrical Engineering, 2022, , 265-274.                                   | 0.4  | 1         |
| 353 | TrustlessNAS: Towards Trustless Network Architecture Search. , 2022, , .  |      | 0         |
| 354 | Blockchain-Based Decentralized Federated Learning. , 2022, , .  |      | 2         |
| 355 | UIV-TSP: A Blockchain-Enabled Antileakage Sharing Protection Scheme for Undisclosed IIoT Vulnerabilities. Security and Communication Networks, 2022, 2022, 1-17.                    | 1.5  | 1         |
| 356 | An efficient blockchain-based privacy-preserving scheme with attribute and homomorphic encryption. International Journal of Intelligent Systems, 2022, 37, 10715-10750.             | 5.7  | 11        |
| 357 | A Secure Online Fingerprint Authentication System for Industrial IoT Devices over 5G Networks. Sensors, 2022, 22, 7609.   | 3.8  | 4         |
| 358 | Applications and Challenges of Federated Learning Paradigm in the Big Data Era with Special Emphasis on COVID-19. Big Data and Cognitive Computing, 2022, 6, 127.                   | 4.7  | 5         |
| 359 | Partially-federated learning: A new approach to achieving privacy and effectiveness. Information Sciences, 2022, 614, 534-547.  | 6.9  | 6         |
| 360 | Coalition based utility and efficiency optimization for multi-task federated learning in Internet of Vehicles. Future Generation Computer Systems, 2023, 140, 196-208.              | 7.5  | 5         |
| 361 | Blockchain and homomorphic encryption based privacy-preserving model aggregation for medical images. Computerized Medical Imaging and Graphics, 2022, 102, 102139.                  | 5.8  | 12        |
| 362 | A survey on the use of blockchain for future 6G: Technical aspects, use cases, challenges and research directions. Journal of Industrial Information Integration, 2022, 30, 100404. | 6.4  | 17        |
| 363 | Blockchain-based decentralized federated transfer learning methodology for collaborative machinery fault diagnosis. Reliability Engineering and System Safety, 2023, 229, 108885.   | 8.9  | 68        |
| 364 | Privacy-Preserving and Traceable Federated Learning for data sharing in industrial IoT applications. Expert Systems With Applications, 2023, 213, 119036.                           | 7.6  | 16        |
| 365 | An intelligent blockchain-based access control framework with federated learning for genome-wide association studies. Computer Standards and Interfaces, 2023, 84, 103694.          | 5.4  | 4         |
| 366 | A Survey of Network Automation for Industrial Internet-of-Things Toward Industry 5.0. IEEE Transactions on Industrial Informatics, 2023, 19, 2065-2077.                             | 11.3 | 24        |
| 367 | Adaptation of Machine Learning and Blockchain Technology in Cyber-Physical System Applications: A Concept Paper. Lecture Notes in Electrical Engineering, 2022, , 517-523.          | 0.4  | 0         |

| #   | ARTICLE  | IF   | CITATIONS |
|-----|--|------|-----------|
| 368 | Blockchain-Enabled Secure and Trusted Federated Data Sharing in IIoT. IEEE Transactions on Industrial Informatics, 2023, 19, 6669-6681.  | 11.3 | 12        |
| 369 | A New Framework of Swarm Learning Consolidating Knowledge From Multi-Center Non-IID Data for Medical Image Segmentation. IEEE Transactions on Medical Imaging, 2023, 42, 2118-2129.  | 8.9  | 2         |
| 370 | Blockchain Assisted Federated Learning Over Wireless Channels: Dynamic Resource Allocation and Client Scheduling. IEEE Transactions on Wireless Communications, 2023, 22, 3537-3553. | 9.2  | 9         |
| 371 | Survey of Secure Communications of Internet of Things with Artificial Intelligence. IEEE Internet of Things Magazine, 2022, 5, 92-99.  | 2.6  | 1         |
| 372 | Decision-Making Approach for an IoRT-Aware Business Process Outsourcing. Digital, 2022, 2, 520-537.  | 2.2  | 1         |
| 373 | Blockchain-empowered Federated Learning: Challenges, Solutions, and Future Directions. ACM Computing Surveys, 2023, 55, 1-31.  | 23.0 | 42        |
| 374 | Mutual learning-based group synchronization of neural networks. Sadhana - Academy Proceedings in Engineering Sciences, 2022, 47, .   | 1.3  | 1         |
| 375 | Traffic prediction using artificial intelligence: Review of recent Advances and emerging opportunities. Transportation Research Part C: Emerging Technologies, 2022, 145, 103921.    | 7.6  | 26        |
| 376 | Artificial intelligence for the metaverse: A survey. Engineering Applications of Artificial Intelligence, 2023, 117, 105581.   | 8.1  | 164       |
| 377 | Blockchain-Based Two-Stage Federated Learning With Non-IID Data in IoMT System. IEEE Transactions on Computational Social Systems, 2023, 10, 1701-1710.                              | 4.4  | 34        |
| 378 | An Efficient Blockchain Assisted Reputation Aware Decentralized Federated Learning Framework. IEEE Transactions on Network and Service Management, 2023, 20, 2771-2782.              | 4.9  | 3         |
| 379 | Noise-Boosted Convolutional Neural Network for Edge-Based Motor Fault Diagnosis With Limited Samples. IEEE Transactions on Industrial Informatics, 2023, 19, 9491-9502.              | 11.3 | 8         |
| 380 | Uncertainty Minimization for Personalized Federated Semi-Supervised Learning. IEEE Transactions on Network Science and Engineering, 2023, 10, 1060-1073.                             | 6.4  | 7         |
| 381 | Transform-Domain Federated Learning for Edge-Enabled IoT Intelligence. IEEE Internet of Things Journal, 2023, 10, 6205-6220.   | 8.7  | 1         |
| 382 | Blockchain-Based Secure and Efficient Federated Learning with Three-phase Consensus and Unknown Device Selection. Lecture Notes in Computer Science, 2022, , 453-465.                | 1.3  | 0         |
| 383 | Blockchain-Enabled Secure Big Data Analytics for Internet of Things Smart Applications. IEEE Internet of Things Journal, 2023, 10, 6428-6443.  | 8.7  | 0         |
| 384 | Local Model Quality Control Method Based on Credit Mortgage for Enterprise Credit Evaluation. , 2022, , .  |      | 1         |
| 385 | A Blockchain-based Framework for the Supply Chain Finance in The Electric-power Industry. , 2022, , .  |      | 0         |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 386 | Optimal Task Offloading with Deep Q-Network for Edge-Cloud Computing Environment. , 2022, , .  |     | 1         |
| 387 | Blockchain-based Federated Approach for Privacy-Preserved IoT-enabled Smart Vehicular Networks. , 2022, , .  |     | 1         |
| 388 | Blockchain-based Federated Learning with Contribution-Weighted Aggregation for Medical Data Modeling. , 2022, , .  |     | 2         |
| 389 | Security provisions in smart edge computing devices using blockchain and machine learning algorithms: a novel approach. Cluster Computing, 2024, 27, 27-52.  | 5.0 | 1         |
| 390 | Differential Optimization Federated Incremental Learning Algorithm Based on Blockchain. Electronics (Switzerland), 2022, 11, 3814.   | 3.1 | 0         |
| 391 | DRMT: A Decentralized IoT Device Recognition and Management Technology in Smart Cities. Journal of Circuits, Systems and Computers, 0, , .   | 1.5 | 1         |
| 392 | A Privacy-Preserving Blockchain Platform for a Data Marketplace. , 2023, 2, 1-16.  |     | 3         |
| 393 | Decentralized collaborative multi-institutional PET attenuation and scatter correction using federated deep learning. European Journal of Nuclear Medicine and Molecular Imaging, 2023, 50, 1034-1050. | 6.4 | 25        |
| 394 | Blockchain Systems in Embedded Internet of Things: Systematic Literature Review, Challenges Analysis, and Future Direction Suggestions. Electronics (Switzerland), 2022, 11, 4020.                     | 3.1 | 2         |
| 395 | Practical Byzantine fault tolerance consensus based on comprehensive reputation. Peer-to-Peer Networking and Applications, 2023, 16, 420-430.  | 3.9 | 3         |
| 396 | Faster service with less resource: A resource efficient blockchain framework for edge computing. Computer Communications, 2023, 199, 196-209.  | 5.1 | 2         |
| 397 | A game-theoretic approach for federated learning: A trade-off among privacy, accuracy and energy. Digital Communications and Networks, 2023, , .   | 5.0 | 1         |
| 398 | HBMD-FL: Heterogeneous Federated Learning Algorithm Based on Blockchain and Model Distillation. Communications in Computer and Information Science, 2022, , 145-159.                                   | 0.5 | 1         |
| 399 | Application of the Elimination Competition Mechanism Based on Blockchain Multi-supervision in Vehicle Data Sharing. Communications in Computer and Information Science, 2022, , 112-118.               | 0.5 | 0         |
| 400 | Objective-Aware Reputation-Enabled Blockchain-Based Federated Learning. Lecture Notes in Networks and Systems, 2023, , 259-268.  | 0.7 | 0         |
| 401 | Intelligent digital twin for federated learning in AIoT networks. Internet of Things (Netherlands), 2023, 22, 100698.  | 7.7 | 5         |
| 402 | Sybil in the Haystack: A Comprehensive Review of Blockchain Consensus Mechanisms in Search of Strong Sybil Attack Resistance. Algorithms, 2023, 16, 34.  | 2.1 | 10        |
| 403 | Deep learning based energy efficient optimal RMC-CNN model for secured data transmission and anomaly detection in industrial IOT. Sustainable Energy Technologies and Assessments, 2023, 56, 102983.   | 2.7 | 5         |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 404 | Blockchain for medical collaboration: A federated learning-based approach for multi-class respiratory disease classification. <i>Healthcare Analytics</i> , 2023, 3, 100135.                                 | 4.3 | 6         |
| 405 | A secured big-data sharing platform for materials genome engineering: State-of-the-art, challenges and architecture. <i>Future Generation Computer Systems</i> , 2023, 142, 59-74.                           | 7.5 | 4         |
| 406 | FAIR-BFL: Flexible and Incentive Redesign for Blockchain-based Federated Learning. , 2022, , .   |     | 0         |
| 407 | VFLChain: Blockchain-enabled Vertical Federated Learning for Edge Network Data Sharing. , 2022, , .  |     | 1         |
| 408 | Collecting VS Sharing Personal Data: Examining the Viability of the Concepts. <i>Lecture Notes in Computer Science</i> , 2022, , 653-657.  | 1.3 | 0         |
| 409 | Federated Learning Attacks and Defenses: A Survey. , 2022, , .   |     | 11        |
| 410 | <i>FairShare</i>: Blockchain Enabled Fair, Accountable and Secure Data Sharing for Industrial IoT. <i>IEEE Transactions on Network and Service Management</i> , 2023, 20, 2929-2941.                         | 4.9 | 5         |
| 411 | A Survey of Machine and Deep Learning Methods for Privacy Protection in the Internet of Things. <i>Sensors</i> , 2023, 23, 1252.   | 3.8 | 10        |
| 412 | Adaptive Resource Allocation for Blockchain-Based Federated Learning in Internet of Things. <i>IEEE Internet of Things Journal</i> , 2023, 10, 10621-10635.  | 8.7 | 4         |
| 414 | RL-Based Federated Learning Framework Over Blockchain (RL-FL-BC). <i>IEEE Transactions on Network and Service Management</i> , 2023, 20, 1587-1599.  | 4.9 | 3         |
| 415 | FD-Leaks: Membership Inference Attacks Against Federated Distillation Learning. <i>Lecture Notes in Computer Science</i> , 2023, , 364-378.  | 1.3 | 2         |
| 416 | A Lightweight Model-Based Evolutionary Consensus Protocol in Blockchain as a Service for IoT. <i>IEEE Transactions on Services Computing</i> , 2023, 16, 2343-2358.  | 4.6 | 7         |
| 417 | Security and Privacy in Connected Vehicle Cyber Physical System Using Zero Knowledge Succinct Non Interactive Argument of Knowledge over Blockchain. <i>Applied Sciences (Switzerland)</i> , 2023, 13, 1959. | 2.5 | 7         |
| 418 | Enhancing privacy preservation and trustworthiness for decentralized federated learning. <i>Information Sciences</i> , 2023, 628, 449-468.   | 6.9 | 15        |
| 419 | A Comprehensive Study of Blockchain for Federated Learning Toward Safe Distributed Machine Learning Systems. , 2023, , .   |     | 0         |
| 420 | VC-DCPS: Verifiable Cross-Domain Data Collection and Privacy-Persevering Sharing Scheme Based on Lattice in Blockchain-Enhanced Smart Grids. <i>IEEE Internet of Things Journal</i> , 2023, 10, 12449-12461. | 8.7 | 1         |
| 421 | MDIFL: Robust Federated Learning Based on Malicious Detection and Incentives. <i>Applied Sciences (Switzerland)</i> , 2023, 13, 2793.  | 2.5 | 0         |
| 422 | An access control scheme for distributed Internet of Things based on adaptive trust evaluation and blockchain. <i>High-Confidence Computing</i> , 2023, 3, 100104.   | 3.7 | 2         |

| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 423 | Neural coordination through spider monkey optimization-guided weight synchronization. Multimedia Tools and Applications, 0, , .   | 3.9 | 0         |
| 424 | A reliable and fair federated learning mechanism for mobile edge computing. Computer Networks, 2023, 226, 109678.   | 5.1 | 3         |
| 425 | Incentive Mechanism Design for Joint Resource Allocation in Blockchain-Based Federated Learning. IEEE Transactions on Parallel and Distributed Systems, 2023, 34, 1536-1547.                        | 5.6 | 14        |
| 426 | A hybrid deep learning framework for privacy preservation in edge computing. Computers and Security, 2023, 129, 103209.   | 6.0 | 1         |
| 427 | Federated learning in smart cities: Privacy and security survey. Information Sciences, 2023, 632, 833-857.  | 6.9 | 18        |
| 428 | PEvaChain: Privacy-preserving ridge regression-based credit evaluation system using Hyperledger Fabric blockchain. Expert Systems With Applications, 2023, 223, 119844.                             | 7.6 | 2         |
| 429 | Design and Optimization of Blockchain-Based Distributed Data-Sharing System for Urban Rail Transit. Security and Communication Networks, 2023, 2023, 1-11.  | 1.5 | 0         |
| 430 | Hybrid KD-NFT: A multi-layered NFT assisted robust Knowledge Distillation framework for Internet of Things. Journal of Information Security and Applications, 2023, 75, 103483.                     | 2.5 | 0         |
| 431 | Blockchain-Federated and Deep-Learning-Based Ensembling of Capsule Network with Incremental Extreme Learning Machines for Classification of COVID-19 Using CT Scans. Bioengineering, 2023, 10, 203. | 3.5 | 8         |
| 432 | Introductory Chapter: An Overview to the Internet of Things. , 0, , .   |     | 2         |
| 433 | Risk Assessment of Block Chain Technology Application in Sports Industry. , 2022, , .   |     | 1         |
| 434 | Federated Learning with Blockchain: A Study of the Latest Decentralized Couple. , 2022, , .   |     | 0         |
| 435 | Smart Contracts in Blockchain Technology: A Critical Review. Information (Switzerland), 2023, 14, 117.  | 2.9 | 45        |
| 436 | Privacy-Preserving Power Consumption Prediction Based on Federated Learning with Cross-Entity Data. , 2022, , .   |     | 2         |
| 437 | An Approach to Effectively Manage Access Control, Privacy, and Information Transparency in Hybrid Blockchain for Decentralized IoT Applications. , 2022, , .  |     | 1         |
| 438 | L2chain. Proceedings of the VLDB Endowment, 2022, 16, 986-999.  | 3.8 | 3         |
| 439 | Recent Advances of Blockchain and Its Applications. Journal of Social Computing, 2022, 3, 363-394.  | 2.2 | 3         |
| 440 | Blockchain-Based Process Quality Data Sharing Platform for Aviation Suppliers. IEEE Access, 2023, 11, 19007-19023.  | 4.2 | 0         |

| #   | ARTICLE  | IF   | CITATIONS |
|-----|--|------|-----------|
| 441 | CAP2M..Ã-Contingent Anonymity Preserving Privacy Method for the Internet of Things Services. Computers and Electrical Engineering, 2023, 107, 108640.  | 4.8  | 3         |
| 442 | A lightweight blockchain-based framework for medical cyber-physical system. Journal of Supercomputing, 2023, 79, 12013-12041.  | 3.6  | 0         |
| 443 | Neutralizing Adversarial Machine Learning in Industrial Control Systems Using Blockchain. Springer Proceedings in Complexity, 2023, , 437-451.   | 0.3  | 0         |
| 444 | Quantitative risk analysis of treatment plans for patients with tumor by mining historical similar patients from electronic health records using federated learning. Risk Analysis, 2023, 43, 2422-2449. | 2.7  | 1         |
| 445 | Federated learning for 6G-enabled secure communication systems: a comprehensive survey. Artificial Intelligence Review, 2023, 56, 11297-11389.   | 15.7 | 6         |
| 446 | LBDTM: Lightweight Blockchain with Dynamic Trust Management. , 2022, , .   |      | 1         |
| 447 | A data sharing method for remote medical system based on federated distillation learning and consortium blockchain. Connection Science, 2023, 35, .  | 3.0  | 0         |
| 448 | An integrated security approach for vehicular networks in smart cities. Transactions on Emerging Telecommunications Technologies, 0, , .   | 3.9  | 1         |
| 449 | Federated Learning Scheme with Dual Security of Identity Authentication and Verification. , 2022, , .  |      | 1         |
| 450 | A Blockchain-assisted Collaborative Ensemble Learning for Network Intrusion Detection. , 2022, , .   |      | 2         |
| 451 | Blockchain Technology Enabled Communication Network for 5G MEC Architecture of Smart Grids. , 2022, , .  |      | 0         |
| 452 | FLB2: Layer 2 Blockchain Implementation Scheme on Federated Learning Technique. , 2023, , .  |      | 1         |
| 453 | Introducing Federated Learning intoÃ-Internet of Things Ecosystems â€œ Maintaining Cooperation Between Competing Parties. Lecture Notes in Computer Science, 2023, , 53-69.                              | 1.3  | 0         |
| 454 | A Blockchain-Based Distributed Computational Resource Trading Strategy for Internet of Things Considering Multiple Preferences. Symmetry, 2023, 15, 808.   | 2.2  | 3         |
| 455 | Privacy-Preserving Asynchronous Federated Learning Framework in Distributed IoT. IEEE Internet of Things Journal, 2023, 10, 13281-13291.   | 8.7  | 1         |
| 456 | Blockchain-Empowered Distributed Multicamera Multitarget Tracking in Edge Computing. IEEE Transactions on Industrial Informatics, 2024, 20, 369-379.   | 11.3 | 39        |
| 457 | Blockchain-Based Fairness-Enhanced Federated Learning Scheme Against Data Poisoning Attack. Lecture Notes in Computer Science, 2023, , 329-339.  | 1.3  | 1         |
| 458 | Training Node Screening in Decentralized Trusted Federated Learning. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2023, , 236-261.       | 0.3  | 0         |

| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 459 | VTFL: A Blockchain Based Vehicular Trustworthy Federated Learning Framework. , 2023, , .  |     | 0         |
| 460 | Blockchain Meets Federated Learning in Healthcare: A Systematic Review With Challenges and Opportunities. IEEE Internet of Things Journal, 2023, 10, 14418-14437.                                     | 8.7 | 26        |
| 461 | DBSDS: A dual-blockchain security data sharing model with supervision and privacy protection. Concurrency Computation Practice and Experience, 0, , .   | 2.2 | 0         |
| 462 | Application of artificial intelligence in secure decentralized computation enabled by TOTEM. , 2022, , .  |     | 0         |
| 463 | A pipeline to collaborative AI models creation between Brazilian governmental institutions. , 2023, , .   |     | 0         |
| 464 | Lightweight Privacy and Security Computing for Blockchained Federated Learning in IoT. IEEE Internet of Things Journal, 2023, 10, 16048-16060.  | 8.7 | 1         |
| 465 | FRNet: an MCS framework for efficient and secure data sensing and privacy protection in IoVs. IEEE Internet of Things Journal, 2023, , 1-1.   | 8.7 | 0         |
| 466 | How Blockchain and Artificial Intelligence influence Digital Sovereignty. Lecture Notes in Business Information Processing, 2023, , 3-16.   | 1.0 | 0         |
| 467 | An anomaly detection on blockchain infrastructure using artificial intelligence techniques: Challenges and future directions – A review. Concurrency Computation Practice and Experience, 2023, 35, . | 2.2 | 0         |
| 468 | Distribution-Balanced Federated Learning for Fault Identification of Power Lines. IEEE Transactions on Power Systems, 2024, 39, 1209-1223.  | 6.5 | 1         |
| 469 | Blockchains for Artificial Intelligence of Things: A Comprehensive Survey. IEEE Internet of Things Journal, 2023, 10, 14483-14506.  | 8.7 | 3         |
| 470 | MSEs Credit Risk Assessment Model Based on Federated Learning and Feature Selection. Computers, Materials and Continua, 2023, 75, 5573-5595.  | 1.9 | 2         |
| 471 | A systematic review of privacy-preserving methods deployed with blockchain and federated learning for the telemedicine. Healthcare Analytics, 2023, 3, 100192.  | 4.3 | 5         |
| 472 | Federated Learning Based Privacy Ensured Sensor Communication in IoT Networks: A Taxonomy, Threats and Attacks. IEEE Access, 2023, 11, 42248-42275.   | 4.2 | 3         |
| 473 | Blockchain-Enabled Data Sharing Framework for Intelligent Healthcare System. Smart Innovation, Systems and Technologies, 2023, , 357-367.   | 0.6 | 0         |
| 474 | A Novel Data Poisoning Attack in Federated Learning based on Inverted Loss Function. Computers and Security, 2023, 130, 103270.   | 6.0 | 6         |
| 475 | AI Approaches for IoT Security Analysis. Advances in Intelligent Systems and Computing, 2021, , 47-70.  | 0.6 | 0         |
| 476 | Secure Blockchain-Enabled Internet of Vehicles Scheme with Privacy Protection. Computers, Materials and Continua, 2023, 75, 6185-6199.  | 1.9 | 1         |

| #   | ARTICLE  | IF   | CITATIONS |
|-----|--|------|-----------|
| 477 | A Trusted Edge Computing System Based on Intelligent Risk Detection for Smart IoT. IEEE Transactions on Industrial Informatics, 2024, 20, 1445-1454.   | 11.3 | 6         |
| 478 | Federated Transferable Ordered Personalized Learning for Driver Monitoring Application. IEEE Internet of Things Journal, 2023, 10, 18292-18301.  | 8.7  | 4         |
| 479 | A Novel Disease Prediction Model Based on Blockchain and Federated Learning. Journal of Physics: Conference Series, 2023, 2504, 012049.  | 0.4  | 0         |
| 480 | Differential privacy in edge computing-based smart city Applications: Security issues, solutions and future directions. Array, 2023, 19, 100293.   | 4.0  | 2         |
| 481 | BPFL: Blockchain-Enabled Distributed Edge Cluster for Personalized Federated Learning. Lecture Notes in Electrical Engineering, 2023, , 431-437.   | 0.4  | 2         |
| 482 | A Federated Learning Framework for Enforcing Traceability in Manufacturing Processes. IEEE Access, 2023, 11, 57585-57597.  | 4.2  | 2         |
| 483 | The Value Proposition of Machine Learning in Construction Management. Advances in Civil and Industrial Engineering Book Series, 2023, , 247-272.   | 0.2  | 0         |
| 484 | A Game Theory-Based Incentive Mechanism for Collaborative Security of Federated Learning in Energy Blockchain Environment. IEEE Internet of Things Journal, 2023, 10, 21294-21308.                     | 8.7  | 2         |
| 485 | A Blockchain-Centric IoT Architecture for Effective Smart Contract-Based Management of IoT Data Communications. Electronics (Switzerland), 2023, 12, 2564.   | 3.1  | 3         |
| 486 | A Spatiotemporal Federated Learning Based Distributed Photovoltaic Ultra-short-term Power Forecasting Method. , 2023, , .  |      | 1         |
| 487 | Enhancing the blockchain interoperability through federated learning with directed acyclic graph. IET Blockchain, 2023, 3, 238-248.  | 1.6  | 0         |
| 488 | Pelican Optimization Algorithm with Federated Learning Driven Attack Detection model in Internet of Things environment. Future Generation Computer Systems, 2023, 148, 118-127.                        | 7.5  | 5         |
| 489 | Toward Autonomic Internet of Things: Recent Advances, Evaluation Criteria, and Future Research Directions. IEEE Internet of Things Journal, 2023, 10, 14725-14748.                                     | 8.7  | 2         |
| 490 | A lattice-based blind ring signature scheme for sensitive data protection in blockchain applications. Concurrency Computation Practice and Experience, 2023, 35, .                                     | 2.2  | 0         |
| 491 | A Robust NFT Assisted Knowledge Distillation Framework for Edge Computing. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2023, , 20-31. | 0.3  | 1         |
| 492 | Gaussian Differential Privacy Integrated Machine Learning Model for Industrial Internet of Things. SN Computer Science, 2023, 4, .   | 3.6  | 0         |
| 493 | Blockchain-based vehicular edge computing networks: the communication perspective. Science China Information Sciences, 2023, 66, .   | 4.3  | 1         |
| 494 | Blockchain-Based Federated Learning System: A Survey on Design Choices. Sensors, 2023, 23, 5658.   | 3.8  | 1         |

| #   | ARTICLE   | IF   | CITATIONS |
|-----|---|------|-----------|
| 495 | DFL: High-Performance Blockchain-Based Federated Learning. , 2023, 2, 1-25.   |      | 1         |
| 496 | Heterogeneous Multi-Party Learning With Data-Driven Network Sampling. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2023, 45, 13328-13343.  | 13.9 | 0         |
| 497 | CSFL: Cooperative Security Aware Federated Learning Model Using The Blockchain. Computer Journal, 0, , .  | 2.4  | 0         |
| 498 | Secure and Efficient Hierarchical Decentralized Learning for Internet of Vehicles. IEEE Open Journal of the Communications Society, 2023, 4, 1417-1429.   | 6.9  | 1         |
| 499 | MIA-Leak: Exploring Membership Inference Attacks in Federated Learning Systems. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2023, , 140-154. | 0.3  | 0         |
| 500 | FeDDkw â€“ Federated Learning with Dynamic Kullbackâ€“Leibler-divergence Weight. ACM Transactions on Asian and Low-Resource Language Information Processing, 0, , .   | 2.0  | 0         |
| 501 | Towards Privacy Preserving Cross Project Defect Prediction with Federated Learning. , 2023, , .   |      | 1         |
| 502 | A Blockchain-Based Trust-Value Management Approach for Secure Information Sharing in Internet of Vehicles. IEEE Internet of Things Journal, 2024, 11, 333-344.  | 8.7  | 0         |
| 503 | A Novel Blockchain-Assisted Aggregation Scheme for Federated Learning in IoT Networks. IEEE Internet of Things Journal, 2023, , 1-1.  | 8.7  | 0         |
| 504 | Federated learning for secure IoMT-applications in smart healthcare systems: A comprehensive review. Knowledge-Based Systems, 2023, 274, 110658.  | 7.1  | 20        |
| 505 | Blockchain-Based Personalized Federated Learning for Internet of Medical Things. IEEE Transactions on Sustainable Computing, 2023, 8, 694-702.  | 3.1  | 7         |
| 506 | Federated Learning on Multimodal Data: A Comprehensive Survey. , 2023, 20, 539-553.   |      | 2         |
| 507 | Federated Learning and Blockchain Integration for Privacy Protection in the Internet of Things: Challenges and Solutions. Future Internet, 2023, 15, 203.   | 3.8  | 3         |
| 508 | Efficient and privacy-preserving online diagnosis scheme based on federated learning in e-healthcare system. Information Sciences, 2023, 647, 119261.   | 6.9  | 4         |
| 509 | Shapley Values as a Strategy for Ensemble Weights Estimation. Applied Sciences (Switzerland), 2023, 13, 7010.   | 2.5  | 0         |
| 510 | TEA-EKHO-IDS: An intrusion detection system for industrial CPS with trustworthy explainable AI and enhanced krill herd optimization. Peer-to-Peer Networking and Applications, 2023, 16, 1993-2021.           | 3.9  | 4         |
| 511 | Towards big data driven construction industry. Journal of Industrial Information Integration, 2023, 35, 100483.   | 6.4  | 9         |
| 512 | BDFL: A Blockchain-Enabled FL Framework for Edge-based Smart UAV Delivery Systems. , 2023, , .  |      | 1         |

| #   | ARTICLE   | IF   | CITATIONS |
|-----|---|------|-----------|
| 513 | Security and Privacy in 5G-IIoT Smart Factories: Novel Approaches, Trends, and Challenges. Mobile Networks and Applications, 0, .   | 3.3  | 3         |
| 514 | Interacting Federated and Transfer Learning-Aided CSI Prediction for Intelligent Cellular Networks. IEEE Transactions on Vehicular Technology, 2023, 72, 15776-15787.   | 6.3  | 1         |
| 515 | Explore deep reinforcement learning for efficient task processing based on federated optimization in big data. Future Generation Computer Systems, 2023, 149, 150-161.  | 7.5  | 1         |
| 516 | A Blockchain-Based Cross-Domain Authentication Management System for IoT Devices. IEEE Transactions on Network Science and Engineering, 2024, 11, 115-127.  | 6.4  | 1         |
| 517 | Lightweight Blockchain-Empowered Secure and Efficient Federated Edge Learning. IEEE Transactions on Computers, 2023, 72, 3314-3325.   | 3.4  | 2         |
| 518 | Collaborative Intrusion Detection System for SDVN: A Fairness Federated Deep Learning Approach. IEEE Transactions on Parallel and Distributed Systems, 2023, 34, 2512-2528.                                   | 5.6  | 5         |
| 519 | Artificial intelligence-based blockchain solutions for intelligent healthcare: A comprehensive review on privacy preserving techniques. Transactions on Emerging Telecommunications Technologies, 2023, 34, . | 3.9  | 1         |
| 520 | PD2S: A Privacy-Preserving Differentiated Data Sharing Scheme Based on Blockchain and Federated Learning. IEEE Internet of Things Journal, 2023, 10, 21489-21501.   | 8.7  | 0         |
| 521 | Blockchain-Enabled Privacy and Homomorphic Encryption with Voting Classifier in IIoT. , 2023, , .   |      | 0         |
| 522 | Privacy Preservation in Federated Learning, its Attacks and Defenses using SMC-GAN. , 2023, , .   |      | 0         |
| 523 | A Knowledge Graph-Based Survey on Distributed Ledger Technology for IoT Verticals. ACM Computing Surveys, 2024, 56, 1-36.   | 23.0 | 1         |
| 524 | StackFBAs: Detection of Fetal Brain Abnormalities using CNN with Stacking Strategy from MRI Images. Journal of King Saud University - Computer and Information Sciences, 2023, , 101647.                      | 3.9  | 0         |
| 526 | Unleashing the Potential of Blockchain and Machine Learning: Insights and Emerging Trends From Bibliometric Analysis. IEEE Access, 2023, 11, 78879-78903.   | 4.2  | 9         |
| 527 | A Blockchain-Based Federated Learning Scheme for Data Sharing in Industrial Internet of Things. IEEE Internet of Things Journal, 2023, 10, 21467-21478.   | 8.7  | 2         |
| 528 | FRAD: Free-Rider Attacks Detection Mechanism for Federated Learning in AIoT. IEEE Internet of Things Journal, 2023, , 1-1.  | 8.7  | 0         |
| 529 | Incentive-compatible Intelligence Collaboration Analysis Framework Based on Blockchain and Evolutionary Game. , 2022, , .   |      | 0         |
| 530 | A Holistic Blockchain Architecture for IoT Systems: Design Considerations and Challenges. , 2023, , .   |      | 0         |
| 531 | A Lightweight Homomorphic Encryption Federated Learning Based on Blockchain in IoV. , 2022, , .   |      | 0         |

| #   | ARTICLE   | IF   | CITATIONS |
|-----|---|------|-----------|
| 532 | OWL: A data sharing scheme with controllable anonymity and integrity for group users. Computer Communications, 2023, 209, 455-468.  | 5.1  | 0         |
| 533 | Next Generation Financial Services: Role of Blockchain enabled Federated Learning and Metaverse. , 2023, , .  |      | 2         |
| 534 | Secure solution for decentralized federated learning with blockchain. Scientia Sinica Informationis, 2024, 54, 316.   | 0.4  | 0         |
| 535 | Efficient federated item similarity model for privacy-preserving recommendation. Information Processing and Management, 2023, 60, 103470.   | 8.6  | 2         |
| 536 | Joining Federated Learning to Blockchain for Digital Forensics in IoT. Computers, 2023, 12, 157.  | 3.3  | 1         |
| 537 | 6G-Enabled Mobile Access Point Placement via Dynamic Federated Learning Strategies. IEEE Open Journal of the Communications Society, 2023, , 1-1.   | 6.9  | 0         |
| 538 | TinyFL: On-Device Training, Communication and Aggregation on a Microcontroller For Federated Learning. , 2023, , .  |      | 2         |
| 539 | An Overview of Privacy Dimensions on the Industrial Internet of Things (IIoT). Algorithms, 2023, 16, 378.   | 2.1  | 3         |
| 540 | A systematic review of federated learning from clientsâ€™ perspective: challenges and solutions. Artificial Intelligence Review, 0, , .   | 15.7 | 0         |
| 541 | Integration of Federated Learning to Smart Grid for Efficient and Secure Energy Distribution. Lecture Notes in Mechanical Engineering, 2023, , 477-486.   | 0.4  | 0         |
| 542 | Data Monetization Using Smart Contracts. , 2023, , .  |      | 0         |
| 543 | BPCPR-FC: blockchain-based privacy preservation with confidentiality using proxy reencryption and ring signature in fog computing environments. International Journal of Information Technology (Singapore), 2023, 15, 3343-3357. | 2.7  | 3         |
| 544 | Exploiting Blockchain to Make AI Trustworthy: A Software Development Lifecycle View. ACM Computing Surveys, 0, , .  | 23.0 | 0         |
| 545 | GA Approach to Optimize Training Client Set in Federated Learning. IEEE Access, 2023, 11, 85489-85500.  | 4.2  | 1         |
| 546 | Joint Reputation Based Grouping and Hierarchical Byzantine Fault Tolerance Consensus Protocol. IEEE Access, 2023, 11, 90335-90344.  | 4.2  | 0         |
| 547 | A Privacy-Preserved and Efficient Federated Learning Method Based on Important Data Selection. , 2023, , .  |      | 0         |
| 548 | A Comprehensive Overview of IoT-Based Federated Learning: Focusing on Client Selection Methods. Sensors, 2023, 23, 7235.  | 3.8  | 2         |
| 549 | Swarm Learning In Autonomous Driving: A Privacy Preserving Approach. , 2023, , .  |      | 0         |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 550 | IoMT: A Medical Resource Management System Using Edge Empowered Blockchain Federated Learning. IEEE Transactions on Network and Service Management, 2024, 21, 517-534. | 4.9 | 1         |
| 551 | A Consensus Protocol for Incentivizing Contribution from Decentralized Community for Machine Learning-based Scamming Website Detection. , 2023, , .                    |     | 0         |
| 552 | Blockchain-based fairness-enhanced federated learning scheme against label flipping attack. Journal of Information Security and Applications, 2023, 77, 103580.        | 2.5 | 0         |
| 553 | A Review of Blockchain Technology in Knowledge-Defined Networking, Its Application, Benefits, and Challenges. Network, 2023, 3, 343-421.                               | 2.4 | 2         |
| 554 | Research on Offloading Strategy of Twin UAVs Edge Computing Tasks for Emergency Communication. IEEE Transactions on Network and Service Management, 2024, 21, 684-696. | 4.9 | 0         |
| 555 | Blockchain-assisted multi-keyword fuzzy search encryption for secure data sharing. Journal of Systems Architecture, 2023, 144, 102984.                                 | 4.3 | 3         |
| 556 | Enhancing the Security and Privacy in the IoT Supply Chain Using Blockchain and Federated Learning with Trusted Execution Environment. Mathematics, 2023, 11, 3759.    | 2.2 | 0         |
| 557 | A Survey on Blockchain-Based Federated Learning and Data Privacy. , 2023, , .  |     | 3         |
| 558 | Privacy Protection Federated Learning Framework Based on Blockchain and Committee Consensus in IoT Devices. , 2023, , .  |     | 1         |
| 559 | Edge aggregation placement for semi-decentralized federated learning in Industrial Internet of Things. Future Generation Computer Systems, 2024, 150, 160-170.         | 7.5 | 0         |
| 561 | Hierarchical Blockchain-enabled Federated Learning with Reputation Management for Mobile Internet of Vehicles. , 2023, , .   |     | 0         |
| 562 | Time-Series Forecasting to Fill Missing Data in IoT Sensor Data. , 2023, 7, 1-4.   |     | 1         |
| 563 | Artistic expression and data protection: Balancing aesthetics with data privacy in IoT. Heliyon, 2023, 9, e19380.  | 3.2 | 0         |
| 564 | Collaborative Learning of Different Types of Healthcare Data From Heterogeneous IoT Devices. IEEE Internet of Things Journal, 2024, 11, 5757-5769.                     | 8.7 | 0         |
| 565 | Decentralized Communication-assisted Sensing based on Federated Learning Framework for IIoT. , 2023, , .   |     | 0         |
| 566 | Blockchain-Empowered Federated Learning Through Model and Feature Calibration. IEEE Internet of Things Journal, 2024, 11, 5770-5780.                                   | 8.7 | 0         |
| 567 | Adaptive Quantization Mechanism for Federated Learning Models Based on DAG Blockchain. Electronics (Switzerland), 2023, 12, 3712.                                      | 3.1 | 0         |
| 568 | Digital Twins and Blockchain for IoT Management. , 2023, , .   |     | 0         |

| #   | ARTICLE   | IF   | CITATIONS |
|-----|---|------|-----------|
| 569 | A Survey of Blockchain and Artificial Intelligence for 6G Wireless Communications. IEEE Communications Surveys and Tutorials, 2023, 25, 2494-2528.  | 39.4 | 4         |
| 570 | Qualitative Survey on Artificial Intelligence Integrated Blockchain Approach for 6G and Beyond. IEEE Access, 2023, 11, 105935-105981.   | 4.2  | 0         |
| 571 | Breakthroughs and Challenges in Multimedia Privacy and Security in the Internet of Things (IoT). , 2023, , 51-83.   |      | 0         |
| 572 | Blockchain managed federated learning for a secure IoT framework. Eurasip Journal on Wireless Communications and Networking, 2023, 2023, .  | 2.4  | 2         |
| 573 | SIX-Trust for 6G: Toward a Secure and Trustworthy Future Network. IEEE Access, 2023, 11, 107657-107668.   | 4.2  | 2         |
| 574 | Obscuring Transaction Information in Decentralized P2P Wireless Networks. IEEE Access, 2023, 11, 111053-111067.   | 4.2  | 0         |
| 575 | Privacy Preservation in Federated Learning: its Attacks and Defenses. , 2023, , .   |      | 0         |
| 576 | Blockchain and Machine Learning Security for the Internet of Things: A Bibliometric Analysis. , 2023, , .   |      | 0         |
| 578 | A Review of Privacy-Preserving Federated Learning, Deep Learning, and Machine Learning IIoT and IoT Solutions. , 2023, , .  |      | 0         |
| 579 | Federated Learning Meets Intelligence Reflection Surface in Drones for Enabling 6G Networks: Challenges and Opportunities. IEEE Access, 2023, 11, 130860-130887.                                  | 4.2  | 11        |
| 580 | Blockchain and federated learning-based intrusion detection approaches for edge-enabled industrial IoT networks: a survey. Ad Hoc Networks, 2024, 152, 103320.                                    | 5.5  | 7         |
| 581 | FedChain-Hunter: A reliable and privacy-preserving aggregation for federated threat hunting framework in SDN-based IIoT. Internet of Things (Netherlands), 2023, 24, 100966.                      | 7.7  | 1         |
| 582 | BCAFL: A Blockchain-Based Framework for Asynchronous Federated Learning Protection. Electronics (Switzerland), 2023, 12, 4214.  | 3.1  | 1         |
| 583 | Data storage query and traceability method of electronic certificate based on cloud computing and blockchain. Intelligent Decision Technologies, 2023, , 1-14.                                    | 0.9  | 0         |
| 584 | Privacy-preserving and Byzantine-robust Federated Learning Framework using Permissioned Blockchain. Expert Systems With Applications, 2024, 238, 122210.  | 7.6  | 0         |
| 585 | Federated Learning in Industrial IoT: A Privacy-Preserving Solution That Enables Sharing of Data in Hydrocarbon Explorations. IEEE Transactions on Industrial Informatics, 2024, 20, 4337-4346.   | 11.3 | 0         |
| 586 | A Survey on Attacks and Their Countermeasures in Deep Learning: Applications in Deep Neural Networks, Federated, Transfer, and Deep Reinforcement Learning. IEEE Access, 2023, 11, 120095-120130. | 4.2  | 2         |
| 587 | FLEC: Federated Learning for Cloud/Edge-Based Smart Industry via Batch Normalization. , 2023, , .   |      | 0         |

| #   | ARTICLE   | IF   | CITATIONS |
|-----|---|------|-----------|
| 588 | IoT Data Security: An Integration of Blockchain and Federated Learning. , 2023, , .   |      | 0         |
| 589 | Deep Reinforcement Learning for Resource Allocation in Blockchain-Based Federated Learning. , 2023, , .   |      | 0         |
| 590 | A Bibliometric Analysis of Convergence of Artificial Intelligence and Blockchain for Edge of Things. Journal of Grid Computing, 2023, 21, .                           | 3.9  | 1         |
| 591 | Load frequency control in smart grids: A review of recent developments. Renewable and Sustainable Energy Reviews, 2024, 189, 114013.                                  | 16.4 | 4         |
| 592 | An Efficient and Secure Data Sharing Scheme for Edge-Enabled IoT. IEEE Transactions on Computers, 2023, , 1-14.   | 3.4  | 0         |
| 593 | Federated Classification for Multiple Blockchain Systems. Lecture Notes in Computer Science, 2024, , 201-209.   | 1.3  | 0         |
| 594 | FeDis: Federated Learning Framework Supported by Distributed Ledger. Lecture Notes in Networks and Systems, 2023, , 32-41.  | 0.7  | 0         |
| 595 | A Blockchain-Based Privacy-Preserving and Fair Data Transaction Model in IoT. Applied Sciences (Switzerland), 2023, 13, 12389.  | 2.5  | 0         |
| 596 | Efficient Privacy-Preserving Federated Deep Learning for Network Intrusion of Industrial IoT. International Journal of Intelligent Systems, 2023, 2023, 1-22.         | 5.7  | 0         |
| 597 | A Blockchain-Based Auditable Semi-Asynchronous Federated Learning for Heterogeneous Clients. IEEE Access, 2023, 11, 133394-133412.                                    | 4.2  | 0         |
| 598 | A Secure Data Sharing System for 6G Networks. IEEE Access, 2023, 11, 133281-133293.   | 4.2  | 0         |
| 599 | Blockchain-Based Federated Learning for IoT Sharing: Incentive Scheme with Reputation Mechanism. Communications in Computer and Information Science, 2024, , 270-284. | 0.5  | 0         |
| 600 | Ensuring secure interoperation of access control in a multidomain environment. Computers and Security, 2024, 137, 103621.   | 6.0  | 0         |
| 601 | MuSelect Chain: trusted decentralized mutual selection through blockchain. Complex & Intelligent Systems, 0, , .  | 6.5  | 0         |
| 602 | FLEDGE: Ledger-based Federated Learning Resilient to Inference and Backdoor Attacks. , 2023, , .  |      | 1         |
| 604 | Health data security sharing method based on hybrid blockchain. Future Generation Computer Systems, 2024, 153, 251-261.   | 7.5  | 0         |
| 605 | Blockchain and Artificial Intelligence: Scientometric Analysis and Visualization. IEEE Access, 2023, 11, 137911-137928.   | 4.2  | 0         |
| 606 | FedDhr: Improved Adaptive Learning Strategy Using Federated Learning for Image Processing. , 2023, , .  |      | 0         |

| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 607 | A comprehensive knowledge map for AI improving security management of cyber-physical system enabled smart manufacturing. Computers and Security, 2024, 137, 103650. | 6.0 | 0         |
| 608 | A Survey on Blockchain-Based Federated Learning. Future Internet, 2023, 15, 400.  | 3.8 | 1         |
| 609 | Search and Permission Request Over Encrypted Database. , 2023, , .  |     | 0         |
| 610 | A Systematic Review for Privacy-Preserving Challenges of Blockchain-Based IoT Networks. Lecture Notes in Networks and Systems, 2023, , 440-457.                     | 0.7 | 0         |
| 611 | Bidirectional utilization of blockchain and privacy computing: Issues, progress, and challenges. Journal of Network and Computer Applications, 2024, 222, 103795.   | 9.1 | 0         |
| 612 | Securing Federated Learning against FGSM Attacks with Adaptive Trust Scores and Blockchain Updates. , 2023, , .   |     | 0         |
| 613 | Towards Reliable Participation in UAV-Enabled Federated Edge Learning on Non-IID Data. IEEE Open Journal of Vehicular Technology, 2023, , 1-18.                     | 4.9 | 0         |
| 614 | Privacy-Preserving Genomic Analysis via PSO-Driven Federated Learning on Blockchain. , 2023, , .  |     | 0         |
| 615 | Differentially private enhanced permissioned blockchain for private data sharing in industrial IoT. Information Sciences, 2024, 658, 119997.                        | 6.9 | 0         |
| 616 | Survey on Blockchain-Enhanced Machine Learning. IEEE Access, 2023, , 1-1.   | 4.2 | 1         |
| 617 | Secure IoT Communication with a Blockchain-Enabled Decentralized MQTT Network. , 2023, , .  |     | 0         |
| 618 | VDFChain: Secure and verifiable decentralized federated learning via committee-based blockchain. Journal of Network and Computer Applications, 2024, 223, 103814.   | 9.1 | 0         |
| 619 | TDLearning: Trusted Distributed Collaborative Learning Based on Blockchain Smart Contracts. Future Internet, 2024, 16, 6.   | 3.8 | 0         |
| 620 | A blockchain-based framework for federated learning with privacy preservation in power load forecasting. Knowledge-Based Systems, 2024, 284, 111338.                | 7.1 | 1         |
| 621 | Federated Learning Integration in O-RAN: A Concise Review. , 2023, , .  |     | 0         |
| 622 | Federated learning: a comprehensive review of recent advances and applications. Multimedia Tools and Applications, 0, , .   | 3.9 | 0         |
| 623 | Industry 5.0: Towards Human Centered Design in Human Machine Interaction. Springer Proceedings in Complexity, 2024, , 661-672.                                      | 0.3 | 0         |
| 624 | Federated transfer learning for attack detection for Internet of Medical Things. International Journal of Information Security, 2024, 23, 81-100.                   | 3.4 | 0         |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 625 | A Lightweight Combined Physical Layer Encryption and Authentication Scheme for Industrial Internet of Things. IEEE Access, 2024, 12, 6961-6970.  | 4.2 | 0         |
| 626 | The Threat of Disruptive Jamming to Blockchain-Based Decentralized Federated Learning in Wireless Networks. Sensors, 2024, 24, 535.  | 3.8 | 0         |
| 627 | The Secondary Isolated Data Island: Isolated Data Island Caused by Blockchain in Federated Learning. , 2023, , .   |     | 0         |
| 628 | Machine Learning and Blockchain: A Bibliometric Study on Security and Privacy. Information (Switzerland), 2024, 15, 65.  | 2.9 | 0         |
| 629 | Shadow backdoor attack: Multi-intensity backdoor attack against federated learning. Computers and Security, 2024, 139, 103740.   | 6.0 | 0         |
| 630 | Federated distillation and blockchain empowered secure knowledge sharing for Internet of medical Things. Information Sciences, 2024, 662, 120217.  | 6.9 | 1         |
| 631 | A Trusted Sharing Model for Risk Information of Food Full-process and All-information Based on Blockchain and Federated Learning. , 2023, , .  |     | 0         |
| 632 | BDVFL: Blockchain-based Decentralized Vertical Federated Learning. , 2023, , .   |     | 0         |
| 633 | Blockchain Based an Efficient and Secure Privacy Preserved Framework for Smart Cities. IEEE Access, 2024, 12, 21985-22002.   | 4.2 | 0         |
| 634 | Improving Security in the Internet of Vehicles: A Blockchain-Based Data Sharing Scheme. Electronics (Switzerland), 2024, 13, 714.  | 3.1 | 1         |
| 635 | A Review on the Applications of Blockchain-Based Smart Contracts in the Smart Grid. , 2024, , .  |     | 0         |
| 636 | Blockchain and Access Control Encryption-Empowered IoT Knowledge Sharing for Cloud-Edge Orchestrated Personalized Privacy-Preserving Federated Learning. Applied Sciences (Switzerland), 2024, 14, 1743. | 2.5 | 0         |
| 637 | Towards blockchain-enabled decentralized and secure federated learning. Information Sciences, 2024, 665, 120368.   | 6.9 | 0         |
| 638 | The role of artificial intelligence and IoT in prediction of earthquakes: Review. Artificial Intelligence in Geosciences, 2024, 5, 100075.   | 1.9 | 0         |
| 639 | Dual-blockchain based multi-layer grouping federated learning scheme for heterogeneous data in industrial IoT. Blockchain: Research and Applications, 2024, , 100195.                                    | 6.7 | 0         |
| 640 | A Blockchain-Based Fairness Guarantee Approach for Privacy-Preserving Collaborative Training in Computing Force Network. Mathematics, 2024, 12, 718.   | 2.2 | 0         |
| 641 | AI-enhanced blockchain technology: A review of advancements and opportunities. Journal of Network and Computer Applications, 2024, 225, 103858.  | 9.1 | 0         |
| 642 | AI and Blockchain Enabled Future Wireless Networks: A Survey And Outlook. , 0, , .   |     | 0         |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 643 | FederatedMesh: Collaborative Federated Learning for Medical Data Sharing in Mesh Networks. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2024, , 154-169. | 0.3 | 0         |
| 644 | A privacy-preserving federated learning framework for blockchain networks. Cluster Computing, 0, , .   | 5.0 | 0         |
| 645 | Blockchain technology meets 6G wireless networks: A systematic survey. AEJ - Alexandria Engineering Journal, 2024, 92, 199-220.  | 6.4 | 0         |
| 646 | Privacy-Preserving Process Mining: A Blockchain-Based Privacy-Aware Reversible Shared Image Approach. Applied Artificial Intelligence, 2024, 38, .   | 3.2 | 0         |
| 647 | IoT data sharing technology based on blockchain and federated learning algorithms. Intelligent Systems With Applications, 2024, 22, 200359.  | 3.0 | 0         |
| 648 | Blockchain and signcrypton enabled asynchronous federated learning framework in fog computing. Digital Communications and Networks, 2024, , .  | 5.0 | 0         |
| 649 | A federated learning privacy framework for missing data inference in environmental crowd sensing. Transactions on Emerging Telecommunications Technologies, 2024, 35, .  | 3.9 | 0         |
| 650 | Privacy preserving and secure robust federated learning: A survey. Concurrency Computation Practice and Experience, 0, , .   | 2.2 | 0         |