## Edge Computing in Industrial Internet of Things: Archit

IEEE Communications Surveys and Tutorials 22, 2462-2488 DOI: 10.1109/comst.2020.3009103

**Citation Report** 

#	Article	IF	CITATIONS
1	A Survey on Security and Privacy Issues in Edge-Computing-Assisted Internet of Things. IEEE Internet of Things Journal, 2021, 8, 4004-4022.	5.5	147
2	Cybertwin-Driven Resource Provisioning for IoE Applications at 6G-Enabled Edge Networks. IEEE Transactions on Industrial Informatics, 2022, 18, 4850-4858.	7.2	16
4	Potential Identity Resolution Systems for the Industrial Internet of Things: A Survey. IEEE Communications Surveys and Tutorials, 2021, 23, 391-430.	24.8	27
5	Toward Enabled Industrial Verticals in 5G: A Survey on MEC-Based Approaches to Provisioning and Flexibility. IEEE Communications Surveys and Tutorials, 2021, 23, 596-630.	24.8	109
6	MMWD: An efficient mobile malicious webpage detection framework based on deep learning and edge cloud. Concurrency Computation Practice and Experience, 2021, 33, e6191.	1.4	5
7	Federated Transfer Learning for IIoT Devices With Low Computing Power Based on Blockchain and Edge Computing. IEEE Access, 2021, 9, 98630-98638.	2.6	28
8	Energy-Efficient Joint Task Offloading and Resource Allocation in OFDMA-Based Collaborative Edge Computing. IEEE Transactions on Wireless Communications, 2022, 21, 1960-1972.	6.1	48
9	Industrial IoT in 5G-and-Beyond Networks: Vision, Architecture, and Design Trends. IEEE Transactions on Industrial Informatics, 2022, 18, 4122-4137.	7.2	77
10	A Reinforcement Learning-Empowered Feedback Control System for Industrial Internet of Things. IEEE Transactions on Industrial Informatics, 2022, 18, 2724-2733.	7.2	34
11	Federated Deep Reinforcement Learning for Traffic Monitoring in SDN-Based IoT Networks. IEEE Transactions on Cognitive Communications and Networking, 2021, 7, 1048-1065.	4.9	39
12	Upgrading the manufacturing sector via applications of Industrial Internet of Things (IIoT). Sensors International, 2021, 2, 100129.	4.9	38
13	Survey on Network Slicing for Internet of Things Realization in 5G Networks. IEEE Communications Surveys and Tutorials, 2021, 23, 957-994.	24.8	216
14	Educational Warehouse: Modular, Private and Secure Cloudable Architecture System for Educational Data Storage, Analysis and Access. Applied Sciences (Switzerland), 2021, 11, 806.	1.3	9
15	A Survey of Technologies and Recent Developments for Sustainable Smart Cycling. Sustainability, 2021, 13, 3422.	1.6	16
16	Achieving low tail-latency and high scalability for serializable transactions in edge computing. , 2021, ,		8
17	Searchable Encryption with Access Control in Industrial Internet of Things (IIoT). Wireless Communications and Mobile Computing, 2021, 2021, 1-10.	0.8	12
18	Design and Implementation of Decentralized Swarm Intelligence E-Commerce Model Based on Regional Chain and Edge Computing. Complexity, 2021, 2021, 1-11.	0.9	2
19	Trust Trackers for Computation Offloading in Edge-Based IoT Networks. , 2021, , .		4

#	Article	IF	CITATIONS
20	Design and implementation of decentralized E-commerce model based on edge computing. Journal of Intelligent and Fuzzy Systems, 2021, , 1-11.	0.8	3
21	A Text Similarity-based Protocol Parsing Scheme for Industrial Internet of Things. , 2021, , .		0
22	Industrial Intelligent Edge Computing System based on 5G. , 2021, , .		1
23	Robust Networking: Dynamic Topology Evolution Learning for Internet of Things. ACM Transactions on Sensor Networks, 2021, 17, 1-23.	2.3	12
24	Intelligent manufacturing in the context of industry 4.0: A case study of siemens industry. Journal of Physics: Conference Series, 2021, 1969, 012019.	0.3	9
25	Deep Reinforcement Learning for Scheduling in an Edge Computing-Based Industrial Internet of Things. Wireless Communications and Mobile Computing, 2021, 2021, 1-12.	0.8	11
26	Vehicular intelligence in 6C: Networking, communications, and computing. Vehicular Communications, 2022, 33, 100399.	2.7	36
27	Ant colony resource optimization for Industrial IoT and CPS. International Journal of Intelligent Systems, 2022, 37, 10513-10532.	3.3	3
28	6G-enabled Edge Intelligence for Ultra -Reliable Low Latency Applications: Vision and Mission. Computer Standards and Interfaces, 2021, 77, 103521.	3.8	63
29	A Real-time Reconfigurable Edge computing System in Industrial Internet of Things Based on FPGA. , 2021, , .		1
30	Enabling Massive IoT Toward 6G: A Comprehensive Survey. IEEE Internet of Things Journal, 2021, 8, 11891-11915.	5.5	282
31	State-of-the-Art Review on IoT Threats and Attacks: Taxonomy, Challenges and Solutions. Sustainability, 2021, 13, 9463.	1.6	31
32	EA-DFPSO: An intelligent energy-efficient scheduling algorithm for mobile edge networks. Digital Communications and Networks, 2022, 8, 237-246.	2.7	10
33	Energy-Efficient Industrial Internet of Things: Overview and Open Issues. IEEE Transactions on Industrial Informatics, 2021, 17, 7225-7237.	7.2	84
34	Complex event detection for commodity distribution Internet of Things model incorporating radio frequency identification and Wireless Sensor Network. Future Generation Computer Systems, 2021, 125, 100-111.	4.9	30
35	Lightweight Computational Intelligence for IoT Health Monitoring of Off-Road Vehicles: Enhanced Selection Log-Scaled Mutation GA Structured ANN. IEEE Transactions on Industrial Informatics, 2022, 18, 611-619.	7.2	9
36	DDSLA-RPL: Dynamic Decision System Based on Learning Automata in the RPL Protocol for Achieving QoS. IEEE Access, 2021, 9, 63131-63148.	2.6	3
37	Fast Node Clustering Based on an Improved Birch Algorithm for Data Collection Towards Software-Defined Underwater Acoustic Sensor Networks. IEEE Sensors Journal, 2021, 21, 25480-25488.	2.4	7

#	Article	IF	CITATIONS
38	The Role of Machine Learning in IIoT Through FPGAs. , 2021, , 121-137.		0
39	Complementing IIoT Services Through AI: Feasibility and Suitability. , 2021, , 7-19.		3
40	Novel Computation and Communication Resources Allocation Using Relay Communications in UAV-Mounted Cloudlet Systems. IEEE Transactions on Network Science and Engineering, 2021, 8, 3140-3151.	4.1	9
41	Federated Learning for Internet of Things: A Comprehensive Survey. IEEE Communications Surveys and Tutorials, 2021, 23, 1622-1658.	24.8	365
42	A Cloud-edge Collaborative Architecture for Data-driven Health Condition Monitoring of Machines. , 2021, , .		0
43	Optimal CPU Frequency Scaling Policies for Sustainable Edge Computing. , 2021, , .		1
44	Subway Obstacle Perception and Identification Method Based on Cloud Edge Collaboration. Wireless Communications and Mobile Computing, 2021, 2021, 1-10.	0.8	0
45	Survey on blockchain for future smart grids: Technical aspects, applications, integration challenges and future research. Energy Reports, 2021, 7, 6530-6564.	2.5	58
46	Modeling of a Generic Edge Computing Application Design. Sensors, 2021, 21, 7276.	2.1	4
47	Certificateless signature schemes in Industrial Internet of Things: A comparative survey. Computer Communications, 2022, 181, 116-131.	3.1	18
48	Enabling User-Oriented Features at the Edge: A Case of an IoT-based Smart Shopping Cart. , 2021, , .		1
49	Edge-cloud computing application, architecture, and challenges in ubiquitous power Internet of Things demand response. Journal of Renewable and Sustainable Energy, 2020, 12, .	0.8	14
50	Edge-Cloud Intelligence in Self-Diagnostic of Land Mobile Radio Systems. , 2021, , .		0
51	A Fast and Energy-Saving Neural Network Inference Method for Fault Diagnosis of Industrial Equipment Based on Edge-End Collaboration. , 2021, , .		1
52	Challenges in the Organization of a Wireless Network in Complex Industrial Scenario. , 2021, , .		0
53	Learning Rule Optimization and Comparative Evaluation of Accelerated Self-Organizing Maps for Industrial Applications. , 2021, , .		0
54	Enabling the Industrial Internet of Things to Cloud Continuum in a Real City Environment. Sensors, 2021, 21, 7707.	2.1	8
55	UAV-Assisted Privacy-Preserving Online Computation Offloading for Internet of Things. Remote Sensing, 2021, 13, 4853.	1.8	9

#	Article	IF	CITATIONS
56	Asynchronous Peer-to-Peer Federated Capability-Based Targeted Ransomware Detection Model for Industrial IoT. IEEE Access, 2021, 9, 148738-148755.	2.6	17
57	Private 5G Networks: Concepts, Architectures, and Research Landscape. IEEE Journal on Selected Topics in Signal Processing, 2022, 16, 7-25.	7.3	56
59	An On-Demand Channel Bonding Algorithm Based on Outage Probability for Large-Scale Industrial Internet of Things. IEEE Internet of Things Journal, 2022, 9, 12696-12710.	5.5	3
60	A cost aware topology formation scheme for latency sensitive applications in edge infrastructure-as-a-service paradigm. Journal of Network and Computer Applications, 2022, 199, 103303.	5.8	10
61	Internet Of Things And Cloud Computing - A Review. , 2020, , .		9
62	Cloud Computing Security For Algorithms. , 2020, , .		12
63	Passive User Authentication Utilizing Behavioral Biometrics for IIoT Systems. IEEE Internet of Things Journal, 2022, 9, 12783-12798.	5.5	3
65	Multi-Agent Reinforcement Learning-Based Cooperative Beam Selection in mmWave Vehicular Networks. , 2021, , .		1
66	A Multi-Intersection Vehicular Cooperative Control Based on End-Edge-Cloud Computing. IEEE Transactions on Vehicular Technology, 2022, 71, 2459-2471.	3.9	8
67	Review of commercial and open technologies available for Industrial Internet of Things. , 2022, , 209-241.		6
68	Towards edge computing in intelligent manufacturing: Past, present and future. Journal of Manufacturing Systems, 2022, 62, 588-611.	7.6	60
69	Edge Artificial Intelligence for 6G: Vision, Enabling Technologies, and Applications. IEEE Journal on Selected Areas in Communications, 2022, 40, 5-36.	9.7	206
70	High-availability clusters: A taxonomy, survey, and future directions. Journal of Systems and Software, 2022, 187, 111208.	3.3	7
71	Internet of Medical Things-Based Secure and Energy-Efficient Framework for Health Care. Big Data, 2022, 10, 18-33.	2.1	21
72	Edge intelligence and agnostic robotic paradigm in resource synchronisation and sharing in flexible robotic and facility control system. Advanced Engineering Informatics, 2022, 52, 101530.	4.0	17
73	Edge Intelligence: A Computational Task Offloading Scheme for Dependent IoT Application. IEEE Transactions on Wireless Communications, 2022, 21, 7222-7237.	6.1	35
74	Identification and Resolution for Industrial Internet: Architecture and Key Technology. IEEE Internet of Things Journal, 2022, 9, 16780-16794.	5.5	17
75	Personalized Privacy-Aware Task Offloading for Edge-Cloud-Assisted Industrial Internet of Things in Automated Manufacturing. IEEE Transactions on Industrial Informatics, 2022, 18, 7935-7945.	7.2	7

#	Article	IF	CITATIONS
78	Time-Varying-Aware Network Traffic Prediction Via Deep Learning in IIoT. IEEE Transactions on Industrial Informatics, 2022, 18, 8129-8137.	7.2	5
79	Edge Computing Application, Architecture, and Challenges in Ubiquitous Power Internet of Things. Frontiers in Energy Research, 2022, 10, .	1.2	10
80	A Highly Compatible Verification Framework with Minimal Upgrades to Secure an Existing Edge Network. ACM Transactions on Internet Technology, 2023, 23, 1-23.	3.0	0
82	A New Area of Utilizing Industrial Internet of Things in Environmental Monitoring. Frontiers in Chemical Engineering, 2022, 4, .	1.3	1
83	Blockchain for IoT access control: Recent trends and future research directions. Journal of Network and Computer Applications, 2022, 203, 103371.	5.8	41
84	STEWART: STacking Ensemble for White-Box AdversaRial Attacks Towards more resilient data-driven predictive maintenance. Computers in Industry, 2022, 140, 103660.	5.7	11
85	BACE: Blockchain-based Access Control at the Edge for Industrial Control Devices of Industry 4.0. , 2021, , .		2
86	Research on Performance Optimization Method of Edge Collaborative 6LoWPAN Sensor Network. , 2021, , .		Ο
87	Machine Learning for Physical Layer in 5G and beyond Wireless Networks: A Survey. Electronics (Switzerland), 2022, 11, 121.	1.8	18
88	On the Efficiency of Service and Data Handoff Protocols in Edge Computing Systems. , 2021, , .		3
89	Anomalous energy detection for resource-constrained embedded systems using tracing data analysis. , 2021, , .		2
90	Over-The-Air Firmware Updating Model suitable for Industrial IoT based on Microchip AVR MCU. , 2021, ,		2
91	Proactive autoscaling for edge computing systems with kubernetes. , 2021, , .		9
92	Internet of Things, Preliminaries and Foundations. Studies in Computational Intelligence, 2022, , 37-65.	0.7	2
93	Autonomous UAV Aided Vehicular Edge Computing for Service Offering. , 2021, , .		1
94	Performance Appraisal of 6LoWPAN and OpenFlow in SDN Enabled Edge-Based IoT Network. Advances in Intelligent Systems and Computing, 2022, , 21-29.	0.5	2
95	Deep Reinforcement Learning Based Cooperative Partial Task Offloading and Resource Allocation for IIoT Applications. IEEE Transactions on Network Science and Engineering, 2023, 10, 2991-3006.	4.1	6
96	Privacy-Enhanced Federated Generative Adversarial Networks for Internet of Things. Computer Journal, 2022, 65, 2860-2869.	1.5	4

#	Article	IF	CITATIONS
97	Coordinate-based efficient indexing mechanism for intelligent IoT systems in heterogeneous edge computing. Journal of Parallel and Distributed Computing, 2022, 166, 45-56.	2.7	8
98	Orbital Edge Offloading on Mega-LEO Satellite Constellations for Equal Access to Computing. IEEE Communications Magazine, 2022, 60, 32-36.	4.9	21
99	An Efficient Approach to Sharing Edge Knowledge in 5C-Enabled Industrial Internet of Things. IEEE Transactions on Industrial Informatics, 2023, 19, 930-939.	7.2	16
100	Radio Resource Allocation for Integrated Sensing, Communication, and Computation Networks. IEEE Transactions on Wireless Communications, 2022, 21, 8675-8687.	6.1	17
101	SEAWALL: Seamless Low Latency Cloud Platforms for the Industry 4.0. , 2022, , .		1
102	Methodology and Tools to Integrate Industry 4.0 CPS into Process Design and Management: ISA-88 Use Case. Information (Switzerland), 2022, 13, 226.	1.7	3
103	Heterogeneous Network Access and Fusion in Smart Factory: A Survey. ACM Computing Surveys, 2023, 55, 1-31.	16.1	4
104	Construction of Smart Grid Load Forecast Model by Edge Computing. Energies, 2022, 15, 3028.	1.6	1
105	Multi-step attack threat recognition algorithm based on attribute association in internet of things security. Wireless Networks, 0, , .	2.0	1
106	Optimize Coding and Node Selection for Coded Distributed Computing over Wireless Edge Networks. , 2022, , .		1
107	An efficient quantum based D2D computation and communication approach for the Internet of Things. Optical and Quantum Electronics, 2022, 54, .	1.5	5
108	Multicluster-Coordination Industrial Internet of Things: The Era of Nonorthogonal Transmission. IEEE Vehicular Technology Magazine, 2022, 17, 84-93.	2.8	4
109	Efficient and Privacy-Preserving Blockchain-Based Multifactor Device Authentication Protocol for Cross-Domain IIoT. IEEE Internet of Things Journal, 2022, 9, 22501-22515.	5.5	14
110	Optimal Task-Offloading Control for Edge Computing System With Tasks Offloaded and Computed in Sequence. IEEE Transactions on Automation Science and Engineering, 2023, 20, 1378-1392.	3.4	2
111	Service Function Chaining in Industrial Internet of Things With Edge Intelligence: A Natural Actor-Critic Approach. IEEE Transactions on Industrial Informatics, 2023, 19, 491-502.	7.2	13
112	Toward a Trust Evaluation Framework Against Malicious Behaviors of Industrial IoT. IEEE Internet of Things Journal, 2022, 9, 21260-21277.	5.5	2
113	EdgeCloudSim Based Computing Resource Configuration Strategy Analysis of Cloud-Edge System in Power Distribution Internet of Things. , 2022, , .		0
114	Deterministic Wireless Channel Characterization towards the Integration of Communication Capabilities to Enable Context Aware Industrial Internet of Thing Environments. Mobile Networks and Applications, 2023, 28, 4-18.	2.2	2

#	Article	IF	CITATIONS
115	A Novel Edge-Based Trust Management System for the Smart City Environment Using Eigenvector Analysis. Journal of Healthcare Engineering, 2022, 2022, 1-10.	1.1	0
116	Exploiting radio access information to improve performance of remote-controlled mobile robots in MEC-based 5G networks. Computer Networks, 2022, 212, 109061.	3.2	1
118	Industrial Internet of Things: Requirements, Architecture, Challenges, and Future Research Directions. IEEE Access, 2022, 10, 66374-66400.	2.6	21
119	Joint Task Offloading and Resource Allocation for Accuracy-Aware Machine-Learning-Based IIoT Applications. IEEE Internet of Things Journal, 2023, 10, 3305-3321.	5.5	8
120	URLLC and eMBB in 5G Industrial IoT: A Survey. IEEE Open Journal of the Communications Society, 2022, 3, 1134-1163.	4.4	33
121	A Load-Balanced and Energy-Efficient Navigation Scheme for UAV-Mounted Mobile Edge Computing. IEEE Transactions on Network Science and Engineering, 2022, 9, 3659-3674.	4.1	15
122	Green Heterogeneous Computing Powers Allocation Using Reinforcement Learning in SDN-IoV. IEEE Transactions on Green Communications and Networking, 2022, , 1-1.	3.5	0
123	A Novel Non-Volatile Memory Update Mechanism for 6G Edge Computing. IEEE Transactions on Network Science and Engineering, 2023, 10, 1431-1444.	4.1	2
124	Theil-Sen Regressive Miyaguchi–Preneel Based Cryptographic Hash Blockchain for Secure Data Transmission Using Remote Sensing Data in lot. SSRN Electronic Journal, 0, , .	0.4	0
125	Internet of Things (IoT) benefits, future perspective, and implementation challenges. , 2022, , .		4
126	A Survey of Security Architectures for Edge Computing-Based IoT. IoT, 2022, 3, 332-365.	2.3	22
127	Predictable Fog Computing for Cyber-physical Systems. , 2022, , .		0
128	The Design of Urban Sculpture Space with User Behavior Based on Internet of Things and Edge Computing. Scientific Programming, 2022, 2022, 1-12.	0.5	0
129	Low complexity closedâ€loop strategy for mmWave communication in industrial intelligent systems. International Journal of Intelligent Systems, 0, , .	3.3	0
130	The Influence of the Development of the Internet of Things Industry on the Optimization of the High- and New-Tech Industry Structure under the Wireless Mobile Network. Computational Intelligence and Neuroscience, 2022, 2022, 1-10.	1.1	1
131	Task offloading in fog computing: A survey of algorithms and optimization techniques. Computer Networks, 2022, 214, 109137.	3.2	31
132	Joint Radio Map Construction and Dissemination in MEC Networks: A Deep Reinforcement Learning Approach. Wireless Communications and Mobile Computing, 2022, 2022, 1-12.	0.8	0
133	Aggregate processes as distributed adaptive services for the Industrial Internet of Things. Pervasive and Mobile Computing, 2022, 85, 101658.	2.1	9

#	Article	IF	CITATIONS
134	An Optimization Method for Integrating Educational Information Resources Based on Edge Computing. Journal of Sensors, 2022, 2022, 1-12.	0.6	2
135	An Efficient Hybrid-DNN for DDoS Detection and Classification in Software-Defined IIoT Networks. IEEE Internet of Things Journal, 2023, 10, 8491-8504.	5.5	25
136	How Matching Theory Enables Multi-access Edge Computing Adaptive Task Scheduling in IIoT. IEEE Network, 2023, 37, 126-131.	4.9	1
137	Security Challenges for Modern Data Centers with IoT: A Preliminary Study. , 2022, , .		1
138	Traffic Data Scheduling of Frequent Application Sets for Task Offloading in Multi-access Edge Computing. , 2022, , .		0
139	Role of fogâ€assisted Industrial Internet of Things: A systematic review. Transactions on Emerging Telecommunications Technologies, 2022, 33, .	2.6	1
140	The future of computing paradigms for medical and emergency applications. Computer Science Review, 2022, 45, 100494.	10.2	6
141	MCCP: Multi-Collaboration Channel Pruning for Model Compression. Neural Processing Letters, 2023, 55, 2777-2797.	2.0	3
142	Cooperative optimisation strategy of computation offloading in multiâ€UAVsâ€assisted edge computing networks. IET Communications, 0, , .	1.5	1
143	Quality-aware analysis and optimisation of virtual network functions. , 2022, , .		1
144	Improved MobileNetV2-SSDLite for automatic fabric defect detection system based on cloud-edge computing. Measurement: Journal of the International Measurement Confederation, 2022, 201, 111665.	2.5	20
145	Information fusion on delivery: A survey on the roles of mobile edge caching systems. Information		
	Fusion, 2023, 89, 486-509.	11.7	7
146	Fusion, 2023, 89, 486-509. Automating the Deployment of Artificial Intelligence Services in Multiaccess Edge Computing Scenarios. IEEE Access, 2022, 10, 100736-100745.	11.7 2.6	7
146 147	Fusion, 2023, 89, 486-509. Automating the Deployment of Artificial Intelligence Services in Multiaccess Edge Computing		
	<ul><li>Fusion, 2023, 89, 486-509.</li><li>Automating the Deployment of Artificial Intelligence Services in Multiaccess Edge Computing Scenarios. IEEE Access, 2022, 10, 100736-100745.</li><li>Group key agreement protocol for edge computing in industrial internet. Mathematical Biosciences</li></ul>	2.6	1
147	<ul> <li>Fusion, 2023, 89, 486-509.</li> <li>Automating the Deployment of Artificial Intelligence Services in Multiaccess Edge Computing Scenarios. IEEE Access, 2022, 10, 100736-100745.</li> <li>Group key agreement protocol for edge computing in industrial internet. Mathematical Biosciences and Engineering, 2022, 19, 12730-12743.</li> <li>Efficient Batch Authentication Scheme Based on Edge Computing in IIoT. IEEE Transactions on Network</li> </ul>	2.6 1.0	1 0
147 148	<ul> <li>Fusion, 2023, 89, 486-509.</li> <li>Automating the Deployment of Artificial Intelligence Services in Multiaccess Edge Computing Scenarios. IEEE Access, 2022, 10, 100736-100745.</li> <li>Group key agreement protocol for edge computing in industrial internet. Mathematical Biosciences and Engineering, 2022, 19, 12730-12743.</li> <li>Efficient Batch Authentication Scheme Based on Edge Computing in IIoT. IEEE Transactions on Network and Service Management, 2023, 20, 357-368.</li> <li>Containerized edge architecture for manufacturing data analysis in Cyber-Physical Production</li> </ul>	2.6 1.0 3.2	1 0 3

#	Article	IF	CITATIONS
152	Passive User Authentication Utilizing Consecutive Touch Action Features forÂlloT Systems. Lecture Notes in Computer Science, 2022, , 276-284.	1.0	0
153	Blockchain-Based Resource Trading in Multi-UAV-Assisted Industrial IoT Networks: A Multi-Agent DRL Approach. IEEE Transactions on Network and Service Management, 2023, 20, 166-181.	3.2	8
154	Industrial Internet of Things for Safety Management Applications: A Survey. IEEE Access, 2022, 10, 83415-83439.	2.6	16
155	EdgeLeague: Camera Network Configuration With Dynamic Edge Grouping for Industrial Surveillance. IEEE Transactions on Industrial Informatics, 2022, , 1-11.	7.2	0
156	6G Based Green Mobile Edge Computing for Internet of Things (IoT). , 2022, , 265-282.		0
157	Data-Aware Service Placement inÂtheÂCloud-IoT Continuum. Communications in Computer and Information Science, 2022, , 139-158.	0.4	2
158	Poisson Game with Population Uncertainty for Mobile Edge Computing Networks. , 2022, , .		1
159	Deep reinforcement learning-based task scheduling and resource allocation for NOMA-MEC in Industrial Internet of Things. Peer-to-Peer Networking and Applications, 2023, 16, 170-188.	2.6	5
160	SCOTT: Scheduling of Comprehensive Objectives for Tasks with Multitargets in Computing Networks. Wireless Communications and Mobile Computing, 2022, 2022, 1-17.	0.8	0
162	Offloading Cost Optimization in Multiserver Mobile Edge Computing Systems with Energy Harvesting Devices. Wireless Communications and Mobile Computing, 2022, 2022, 1-10.	0.8	0
163	Multiple Local-Edge-Cloud Collaboration Strategies in Industrial Internet of Things: A Hybrid Genetic-Based Approach. Mathematical Problems in Engineering, 2022, 2022, 1-12.	0.6	3
164	Energy-Efficient Collaborative Multi-Access Edge Computing via Deep Reinforcement Learning. IEEE Transactions on Industrial Informatics, 2023, 19, 7689-7699.	7.2	6
165	EaaS: A Service-Oriented Edge Computing Framework Towards Distributed Intelligence. , 2022, , .		7
166	Mobility-aware hierarchical fog computing framework for Industrial Internet of Things (IIoT). Journal of Cloud Computing: Advances, Systems and Applications, 2022, 11, .	2.1	6
167	A Study on the Quality Improvement of Language Teaching in the IoT Environment. Wireless Communications and Mobile Computing, 2022, 2022, 1-9.	0.8	0
169	Elastic Resource Allocation for Coded Distributed Computing Over Heterogeneous Wireless Edge Networks. IEEE Transactions on Wireless Communications, 2023, 22, 2636-2649.	6.1	2
170	CPU Frequency Scaling Optimization in Sustainable Edge Computing. IEEE Transactions on Sustainable Computing, 2022, , 1-14.	2.2	0
171	Joint Task Offloading, Resource Sharing and Computation Incentive for Edge Computing Networks. IEEE Communications Letters, 2023, 27, 258-262.	2.5	2

#	Article	IF	Citations
172	Trust Aware Multi-Objective Metaheuristic Optimization Based Secure Route Planning Technique for Cluster Based IIoT Environment. IEEE Access, 2022, 10, 112686-112694.	2.6	15
173	Data science and machine learning in the IIoT concepts of power plants. International Journal of Electrical Power and Energy Systems, 2023, 145, 108711.	3.3	16
174	Task Offloading Strategies for Cloud-Side Cooperation in Compute-Intensive Scenarios Based on Edge Computing. , 2022, , .		2
175	Low-Latency Anomaly Detection on the Edge-Cloud Continuum for Industry 4.0 Applications: the SEAWALL Case Study. IEEE Internet of Things Magazine, 2022, 5, 32-37.	2.0	2
176	Towards secure intra-vehicle communications in 5G advanced and beyond: Vulnerabilities, attacks and countermeasures. Vehicular Communications, 2023, 39, 100548.	2.7	4
177	Mist and Edge Computing Cyber-Physical Human-Centered Systems for Industry 5.0: A Cost-Effective IoT Thermal Imaging Safety System. Sensors, 2022, 22, 8500.	2.1	12
178	Distributed resource scheduling in edge computing: Problems, solutions, and opportunities. Computer Networks, 2022, 219, 109430.	3.2	4
179	A survey of mobility-aware Multi-access Edge Computing: Challenges, use cases and future directions. Ad Hoc Networks, 2023, 140, 103044.	3.4	17
180	Load Balancing of Double Queues and Utility-Workload Tradeoff in Heterogeneous Mobile Edge Computing. IEEE Transactions on Wireless Communications, 2023, 22, 4313-4326.	6.1	0
181	A Comprehensive Study on LPWANs With a Focus on the Potential of LoRa/LoRaWAN Systems. IEEE Communications Surveys and Tutorials, 2023, 25, 825-867.	24.8	15
182	Artificial intelligence implication on energy sustainability in Internet of Things: A survey. Information Processing and Management, 2023, 60, 103212.	5.4	16
183	Two-tier MPC architecture for AGVs navigation assisted by edge computing in an industrial scenario. Internet of Things (Netherlands), 2023, 21, 100666.	4.9	2
184	In-Home Older Adults' Activity Pattern Monitoring Using Depth Sensors: A Review. Sensors, 2022, 22, 9067.	2.1	8
185	A Novel Task Offloading Scheme for Robotics Applications in Information Centric Networks. , 2022, , .		0
186	A Data Traffic Remapping Scheme for Delay Sensitive Industrial Applications. , 2022, , .		0
187	Application and Research of IoT Architecture for End-Net-Cloud Edge Computing. Electronics (Switzerland), 2023, 12, 1.	1.8	12
188	Remote Monitoring and Maintenance for Equipment and Production Lines on Industrial Internet: A Literature Review. Machines, 2023, 11, 12.	1.2	4
189	Federated-Learning-based Decision Support for Industrial Internet of Things (IIoT)-based Printed Circuit Board Assembly Process. Journal of Grid Computing, 2022, 20, .	2.5	1

#	Article	IF	Citations
" 190	Performance Analysis of OPC UA for Industrial Interoperability towards Industry 4.0. IoT, 2022, 3, 507-525.	2.3	5
191	Task Offloading and Resource Allocation for Tasks with Varied Requirements in Mobile Edge Computing Networks. Electronics (Switzerland), 2023, 12, 366.	1.8	3
192	Cost-Efficient Virtual Network Function Placement in an Industrial Edge System: A Proposed Method. IEEE Systems, Man, and Cybernetics Magazine, 2023, 9, 10-17.	1.2	1
193	Joint Task Offloading and Resource Allocation for Quality-Aware Edge-Assisted Machine Learning Task Inference. IEEE Transactions on Vehicular Technology, 2023, 72, 6739-6752.	3.9	0
194	Wireless Powered Mobile Edge Computing Networks: A Survey. ACM Computing Surveys, 2023, 55, 1-37.	16.1	32
195	An intelligent data capturing framework to improve condition monitoring and anomaly detection for industrial machines. Procedia Computer Science, 2023, 217, 709-719.	1.2	2
196	Efficient Revocable Anonymous Authentication Mechanism for Edge Intelligent Controllers. IEEE Internet of Things Journal, 2023, , 1-1.	5.5	0
197	Unmanned Aerial Vehicle Computation Task Scheduling Based on Parking Resources in Post-Disaster Rescue. Applied Sciences (Switzerland), 2023, 13, 289.	1.3	5
198	Mobility-Aware and Energy-Efficient Task Offloading Strategy for Mobile Edge Workflows. Wuhan University Journal of Natural Sciences, 2022, 27, 476-488.	0.2	0
200	Task Offloading Optimization Based on Position Prediction in Pedestrian- Robot Mixed Traffic Flows. , 2022, , .		0
201	Industrial Internet of Things (IIoT): Testbed and Datasets for CyberSecurity and Digital Forensics. , 2022, , .		0
202	A Survey on Low-Power GNSS. IEEE Communications Surveys and Tutorials, 2023, 25, 1482-1509.	24.8	7
203	An Evaluative Study on IoT Ecosystem for Smart Predictive Maintenance (IoT-SPM) in Manufacturing: Multiview Requirements and Data Quality. IEEE Internet of Things Journal, 2023, 10, 11160-11184.	5.5	9
204	Detecting feature influences to quality attributes in large and partially measured spaces using smart sampling and dynamic learning. Knowledge-Based Systems, 2023, 270, 110558.	4.0	0
205	Secure and Private Internet of Things for Industry, Training, and Homes: A Communications Solution for Connected Devices. IEEE Industrial Electronics Magazine, 2023, , 2-10.	2.3	1
206	Privacy-Preserving Blockchain-based User Authentication with Device Group Authorization for Mobile Edge Computing. , 2022, , .		1
207	Efficient heterogeneous signcryption scheme based on Edge Computing for Industrial Internet of Things. Journal of Systems Architecture, 2023, 136, 102836.	2.5	2
208	Edge Computing and Sensor-Cloud: Overview, Solutions, and Directions. ACM Computing Surveys, 2023, 55, 1-37.	16.1	11

#	Article	IF	CITATIONS
209	A battlefield task distribution strategy optimization model based on edge computing. Modern Physics Letters B, 2023, 37, .	1.0	0
210	SMART & Secure AV Communication with the Edge in 5G and Beyond. , 2023, , .		0
211	An Adaptable and Unsupervised TinyML Anomaly Detection System for Extreme Industrial Environments. Sensors, 2023, 23, 2344.	2.1	14
212	Industrial Defect Detection System Based on Edge-Cloud Collaboration and Task Scheduling Technology. Lecture Notes in Electrical Engineering, 2023, , 104-112.	0.3	0
213	Using Quantum Nodes Connected via the Quantum Cloud to Perform IoT Quantum Network. Condensed Matter, 2023, 8, 24.	0.8	0
214	Blockchain-Based Continuous Knowledge Transfer in Decentralized Edge Computing Architecture. Electronics (Switzerland), 2023, 12, 1154.	1.8	3
215	ABIDI: A Reference Architecture forÂReliable Industrial Internet ofÂThings. Lecture Notes in Networks and Systems, 2023, , 26-39.	0.5	0
216	Aol-Bounded Scheduling for Industrial Wireless Sensor Networks. Electronics (Switzerland), 2023, 12, 1499.	1.8	1
217	Hierarchical Computing Network Collaboration Architecture for Industrial Internet of Things. , 2023,		0
218	Joint MU-MIMO Precoding and Computation Optimization for Energy Efficient Industrial IoT With Mobile Edge Computing. IEEE Transactions on Green Communications and Networking, 2023, 7, 1472-1485.	3.5	1
219	Virtual Commissioning of Distributed Systems in the Industrial Internet of Things. Sensors, 2023, 23, 3545.	2.1	1
220	Edge Computing Applications in Industrial IoT: A Literature Review. Lecture Notes in Computer Science, 2023, , 124-131.	1.0	0
221	A Post-Evaluation System for Smart Grids Based on Microservice Framework and Big Data Analysis. Electronics (Switzerland), 2023, 12, 1647.	1.8	1
222	A Roadmap Toward Prospects for IoT Enabled 5G Networks. , 2023, , .		3
223	An Integrated Security Framework for OT System Based on Edge Computing. , 2022, , .		0
224	Policy-Based Task Allocation at Runtime for a Self-Adaptive Edge Computing Infrastructure. , 2023, , .		0
225	Joint Design of Communication and Computing for Digital Twin Enabled Aircraft Final Assembly. IEEE Internet of Things Journal, 2023, , 1-1.	5.5	0
226	Trusted Access Authentication Technology for Large-Scale Heterogeneous Terminals in a Vehicle Charging Network System. Electronics (Switzerland), 2023, 12, 1882.	1.8	0

	Сітат	CITATION REPORT	
# 227	ARTICLE Recent Advancements in IoT Implementation for Environmental, Safety, and Production Monitoring in Underground Mines. IEEE Internet of Things Journal, 2023, 10, 14507-14526.	lF 5.5	Citations
228	Handling Data Handoff of Al-based Applications in Edge Computing Systems. IEEE Transactions on Network and Service Management, 2023, , 1-1.	3.2	0
229	Dependability: Enablers in 5G Campus Networks for Industry 4.0. , 2023, , .		1
241	Modular Cyber-Physical System for Smart Industry: a case study on energy load disaggregation. , 2023, , .		Ο
246	Bayesian Network based Reliability Analysis in Edge Computing enabled Machine Vision System. , 2022, ,		1
247	An Edge-Cloud Collaborative Computing System forÂReal-Time Internet-of-Things Applications. Communications in Computer and Information Science, 2023, , 652-663.	0.4	Ο
248	Robotics and Artificial Intelligence in the Nuclear Industry: From Teleoperation to Cyber Physical Systems. Studies in Computational Intelligence, 2023, , 123-166.	0.7	0
253	Smart Manufacturing In Industries Using Internet Of Things. , 2023, , .		Ο
258	GPU Cloud Architectures forÂBioinformatic Applications. Lecture Notes in Computer Science, 2023, , 77-89.	1.0	0
259	Neuro-Adaptive Dynamic Control with Edge-Computing for Collaborative Digital Twin of an Industrial Robotic Manipulator. , 2023, , .		Ο
260	SECBlock-IIoT: A Secure Blockchain-enabled Edge Computing Framework for Industrial Internet of Things. , 2023, , .		2
264	More AddNet: A deeper insight into DNNs using FPGA-optimized multipliers. , 2023, , .		Ο
267	Application of Edge Computing Technology in Intelligent Control System of Air Compressor Station. Lecture Notes in Electrical Engineering, 2023, , 482-489.	0.3	0
269	Optimization Scheme of Single-Objective Task Offloading with Multi-user Participation in Cloud-Edge-End Environment. , 2022, , .		Ο
270	A review of computing offloading and caching in edge computing based on reinforcement learning. , 2023, , .		0
272	The Role of Microservices in the Internet of Things: Applications, Challenges, and Research Opportunities. , 2023, , .		0
277	Relation between Edge Computing and the Internet of Things: A Systematic Literature Review. , 2023, , .		0
279	Third Industrial Revolution: 5G Wireless Systems, Internet of Things, and Beyond. , 2023, , 19-43.		0

#	ARTICLE	IF	CITATIONS
280	Edge Architecture for the Integration of Soft Models Based Industrial AI Control into Industry 4.0 Cyber-Physical Systems. Lecture Notes in Networks and Systems, 2023, , 67-76.	0.5	0
284	Domain modeling for scenario sensing and edge decision-making. , 2023, , .		1
289	Resource Allocation for Coupled Slices in Edge-Assisted Industrial IoT Systems. , 2023, , .		0
292	Improving Data-Scarce Image Classification Through Multimodal Synthetic Data Pretraining. , 2023, , .		0
294	(POSTER) Unsupervised and Condition Invariant Anomaly Detection for The Constrained Edge. , 2023, , .		0
295	Smart Ecosystems for Sustainable Development: Opportunities, Challenges, and Solutions. , 2023, , 3-28.		0
296	Task Offloading for UAV-Assisted of Collaborative Mobile Edge Computing Network Based on Deep Reinforcement Learning. Mechanisms and Machine Science, 2023, , 219-232.	0.3	0
298	Performance Analysis of Task Offloading in Mobile Edge Computing using Multi-Objective Optimization Algorithm. , 2023, , .		0
299	Data Flow as Code: Managing Data Flow in an Industrial Hierarchical Edge Network. , 2023, , .		0
302	Robot Subset Selection for Swarm Lifetime Maximization in Computation Offloading with Correlated Data Sources. , 2023, , .		0
306	Energy-Efficient Multi-Vehicle Edge Networks: A Joint Optimization Algorithm for Task Splitting Offloading and Resource Allocation. , 2023, , .		0
307	Secure and Energy-Efficient Framework for Internet of Medical Things (IoMT)-Based Healthcare System. Lecture Notes in Networks and Systems, 2024, , 487-498.	0.5	0
309	Edge Computing Enabled Smart Warehouse Management System for Food Processing Industries. , 2023, , .		0
314	Integrating 5G Technology for Improved Process Monitoring and Network Slicing in ICS. , 2023, , .		0
316	Joint Optimization Scheme for User Association and Resource Allocation in Internet of Vehicles. , 2023, , .		0
319	Offloading Algorithm for Edge Computing Tasks Based on Energy Optimization. , 2023, , .		0
322	Critical Analysis of Blockchain-based Security for The Internet of Things in Enhancing the Future Technology. , 2023, , .		0
323	Application of Machine Learning Algorithm in Cloud-to-edge Computing: Analysis and Limitations. , 2023, , .		0

#	Article	IF	CITATIONS
329	Towards the Adoption of Smartness in the Public Sector; African Perspective. , 2023, , .		0
330	A Review on Edge Computing in 5G-Enabled IoT for Agricultural Applications: Opportunities and Challenges. , 2023, , .		0
331	Enabling Smart Farming Through Edge Artificial Intelligence (AI). Advances in Environmental Engineering and Green Technologies Book Series, 2024, , 69-82.	0.3	0
332	Edge Computing Empowering Distributed Computing at the Edge. Advances in Computer and Electrical Engineering Book Series, 2024, , 67-83.	0.2	0
334	BLSO: Broad Learning System-Based Scheme for Adaptive Task Offloading in Industrial IoT. , 2023, , .		0
339	Efficient Shortest-Path Tree Construction Based on Graph Convolutional Networks. , 2024, , .		0
340	RibesDB: A Time-Series Database at Edge for the Industrial Internet of Things. , 2023, , .		0
341	Empowering Intelligent Manufacturing with the Potential of Edge Computing with NVIDIA's Jetson Nano. , 2023, , .		0
342	Link-Aware Industrial Wireless Sensor Sleeping Scheme via Graph Signal Processing in Fog Enabled Industrial Internet of Things. , 2023, , .		0
343	Caching Techniques in Edge Computing and Challenges. , 2023, , .		1
344	Edge Computing for IoT. , 2024, , 1-20.		0
348	Reliable Function Computation Offloading inÂCloud-Edge Collaborative Network. Lecture Notes in Computer Science, 2024, , 433-451.	1.0	Ο
349	Enhancing Rainfall Prediction Accuracy Through Fog Computing. Advances in Systems Analysis, Software Engineering, and High Performance Computing Book Series, 2024, , 53-72.	0.5	0
352	AloT Revolution. Advances in Computational Intelligence and Robotics Book Series, 2024, , 108-143.	0.4	Ο
354	From Virtual Worlds toÂReal-World Impact: An Industrial Metaverse Survey. Lecture Notes in Networks and Systems, 2024, , 592-613.	0.5	0