## Federated Learning in Mobile Edge Networks: A Compre

IEEE Communications Surveys and Tutorials 22, 2031-2063 DOI: 10.1109/comst.2020.2986024

**Citation Report** 

#	Article	IF	CITATIONS
1	An Artificial Intelligence-Based Collaboration Approach in Industrial IoT Manufacturing: Key Concepts, Architectural Extensions and Potential Applications. Sensors, 2020, 20, 5480.	2.1	63
2	Achieving Optimal Cache Utility in Constrained Wireless Networks through Federated Learning. , 2020, , .		5
3	A Novel Reputation-aware Client Selection Scheme for Federated Learning within Mobile Environments. , 2020, , .		21
4	Customized Federated Learning for accelerated edge computing with heterogeneous task targets. Computer Networks, 2020, 183, 107569.	3.2	16
5	From distributed machine learning to federated learning: In the view of data privacy and security. Concurrency Computation Practice and Experience, 2022, 34, .	1.4	31
6	Preserving User Privacy for Machine Learning: Local Differential Privacy or Federated Machine Learning?. IEEE Intelligent Systems, 2020, 35, 5-14.	4.0	47
7	Federated Learning in Smart City Sensing: Challenges and Opportunities. Sensors, 2020, 20, 6230.	2.1	129
8	Machine Learning Threatens 5G Security. IEEE Access, 2020, 8, 190822-190842.	2.6	37
9	Importance-Aware Data Selection and Resource Allocation in Federated Edge Learning System. IEEE Transactions on Vehicular Technology, 2020, 69, 13593-13605.	3.9	35
10	A Classification of the Enabling Techniques for Low Latency and Reliable Communications in 5G and Beyond: Al-Enabled Edge Caching. IEEE Access, 2020, 8, 205502-205533.	2.6	18
11	Key Advances in Pervasive Edge Computing for Industrial Internet of Things in 5G and Beyond. IEEE Access, 2020, 8, 206734-206754.	2.6	43
12	EdgeFed: Optimized Federated Learning Based on Edge Computing. IEEE Access, 2020, 8, 209191-209198.	2.6	99
13	Distributed Network Intrusion Detection System in Satellite-Terrestrial Integrated Networks Using Federated Learning. IEEE Access, 2020, 8, 214852-214865.	2.6	38
14	Machine Learning Meets Communication Networks: Current Trends and Future Challenges. IEEE Access, 2020, 8, 223418-223460.	2.6	58
15	Federated Learning for Edge Networks: Resource Optimization and Incentive Mechanism. IEEE Communications Magazine, 2020, 58, 88-93.	4.9	252
16	Active Learning Based Federated Learning for Waste and Natural Disaster Image Classification. IEEE Access, 2020, 8, 208518-208531.	2.6	40
17	Intrusion Detection for Wireless Edge Networks Based on Federated Learning. IEEE Access, 2020, 8, 217463-217472.	2.6	71
18	FedLoc: Federated Learning Framework for Data-Driven Cooperative Localization and Location Data Processing, IEEE Open Journal of Signal Processing, 2020, 1, 187-215.	2.3	121

#	Article	IF	CITATIONS
19	Federated Reinforcement Learning for Energy Management of Multiple Smart Homes With Distributed Energy Resources. IEEE Transactions on Industrial Informatics, 2022, 18, 488-497.	7.2	87
20	Federated Machine Learning in Vehicular Networks: A summary of Recent Applications. , 2020, , .		20
21	Federated learning based caching in fog computing for future smart cities. Internet Technology Letters, 2022, 5, e225.	1.4	3
22	A Survey of Multi-Access Edge Computing in 5C and Beyond: Fundamentals, Technology Integration, and State-of-the-Art. IEEE Access, 2020, 8, 116974-117017.	2.6	493
23	Toward an Automated Auction Framework for Wireless Federated Learning Services Market. IEEE Transactions on Mobile Computing, 2021, 20, 3034-3048.	3.9	104
24	Hierarchical Incentive Mechanism Design for Federated Machine Learning in Mobile Networks. IEEE Internet of Things Journal, 2020, 7, 9575-9588.	5.5	121
25	Multiagent DDPG-Based Deep Learning for Smart Ocean Federated Learning IoT Networks. IEEE Internet of Things Journal, 2020, 7, 9895-9903.	5.5	67
26	Analog Gradient Aggregation for Federated Learning Over Wireless Networks: Customized Design and Convergence Analysis. IEEE Internet of Things Journal, 2021, 8, 197-210.	5.5	64
27	CREAT: Blockchain-Assisted Compression Algorithm of Federated Learning for Content Caching in Edge Computing. IEEE Internet of Things Journal, 2022, 9, 14151-14161.	5.5	55
28	Deep-IFS: Intrusion Detection Approach for Industrial Internet of Things Traffic in Fog Environment. IEEE Transactions on Industrial Informatics, 2021, 17, 7704-7715.	7.2	54
29	A Survey on Federated Learning: The Journey From Centralized to Distributed On-Site Learning and Beyond. IEEE Internet of Things Journal, 2021, 8, 5476-5497.	5.5	283
30	A review on deep learning approaches in healthcare systems: Taxonomies, challenges, and open issues. Journal of Biomedical Informatics, 2021, 113, 103627.	2.5	133
31	Ternary Compression for Communication-Efficient Federated Learning. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 1162-1176.	7.2	64
32	Cyber security in smart cities: A review of deep learning-based applications and case studies. Sustainable Cities and Society, 2021, 66, 102655.	5.1	130
33	Toward Smart Security Enhancement of Federated Learning Networks. IEEE Network, 2021, 35, 340-347.	4.9	19
34	Deep-VFog: When Artificial Intelligence Meets Fog Computing in V2X. IEEE Systems Journal, 2021, 15, 3492-3505.	2.9	14
35	Low-Latency Federated Learning and Blockchain for Edge Association in Digital Twin Empowered 6G Networks. IEEE Transactions on Industrial Informatics, 2021, 17, 5098-5107.	7.2	224
36	Communication-Efficient Federated Learning and Permissioned Blockchain for Digital Twin Edge Networks. IEEE Internet of Things Journal, 2021, 8, 2276-2288.	5.5	140

Ŧ	Article	IF	CITATIONS
37	Privacy-Preserving Blockchain-Based Federated Learning for IoT Devices. IEEE Internet of Things Journal, 2021, 8, 1817-1829.	5.5	256
38	Accelerating Federated Learning for IoT in Big Data Analytics With Pruning, Quantization and Selective Updating. IEEE Access, 2021, 9, 38457-38466.	2.6	36
39	Fine-Grained Data Selection for Improved Energy Efficiency of Federated Edge Learning. IEEE Transactions on Network Science and Engineering, 2022, 9, 3258-3271.	4.1	20
40	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.	5.9	46
41	Multiagent Federated Reinforcement Learning for Secure Incentive Mechanism in Intelligent Cyber–Physical Systems. IEEE Internet of Things Journal, 2022, 9, 22095-22108.	5.5	36
42	Privacy-Preserving Blockchain-Based Federated Learning for Marine Internet of Things. IEEE Transactions on Computational Social Systems, 2022, 9, 159-173.	3.2	19
43	Blockchain-Based Privacy-Preserving Medical Data Sharing Scheme Using Federated Learning. Lecture Notes in Computer Science, 2021, , 634-646.	1.0	14
44	A Novel Framework for the Analysis and Design of Heterogeneous Federated Learning. IEEE Transactions on Signal Processing, 2021, 69, 5234-5249.	3.2	33
45	Federated Learning With Heterogeneity-Aware Probabilistic Synchronous Parallel on Edge. IEEE Transactions on Services Computing, 2022, 15, 614-626.	3.2	5
46	Security and Privacy for 6G: A Survey on Prospective Technologies and Challenges. IEEE	94 Q	140
	Communications Surveys and Tutorials, 2021, 23, 2384-2428.	24.0	
47	An Ensemble Multi-View Federated Learning Intrusion Detection for IoT. IEEE Access, 2021, 9, 117734-117745.	24.0	56
47 48	An Ensemble Multi-View Federated Learning Intrusion Detection for IoT. IEEE Access, 2021, 9, 117734-117745. Deploying Federated Learning in Large-Scale Cellular Networks: Spatial Convergence Analysis. IEEE Transactions on Wireless Communications, 2022, 21, 1542-1556.	24.0 2.6 6.1	56 12
47 48 49	Communications Surveys and Tutorials, 2021, 23, 2384-2428.         An Ensemble Multi-View Federated Learning Intrusion Detection for IoT. IEEE Access, 2021, 9, 117734-117745.         Deploying Federated Learning in Large-Scale Cellular Networks: Spatial Convergence Analysis. IEEE Transactions on Wireless Communications, 2022, 21, 1542-1556.         Client Selection for Federated Learning With Non-IID Data in Mobile Edge Computing. IEEE Access, 2021, 9, 24462-24474.	24.0 2.6 6.1 2.6	56 12 91
47 48 49 50	Communications Surveys and Tutorials, 2021, 23, 2384-2428.         An Ensemble Multi-View Federated Learning Intrusion Detection for IoT. IEEE Access, 2021, 9, 117734-117745.         Deploying Federated Learning in Large-Scale Cellular Networks: Spatial Convergence Analysis. IEEE Transactions on Wireless Communications, 2022, 21, 1542-1556.         Client Selection for Federated Learning With Non-IID Data in Mobile Edge Computing. IEEE Access, 2021, 9, 24462-24474.         Wirelessly Powered Federated Edge Learning: Optimal Tradeoffs Between Convergence and Power Transfer. IEEE Transactions on Wireless Communications, 2022, 21, 680-695.	24.0 2.6 6.1 2.6 6.1	56 12 91 17
47 48 49 50 51	Communications Surveys and Tutorials, 2021, 23, 2384-2428.         An Ensemble Multi-View Federated Learning Intrusion Detection for IoT. IEEE Access, 2021, 9, 117734-117745.         Deploying Federated Learning in Large-Scale Cellular Networks: Spatial Convergence Analysis. IEEE Transactions on Wireless Communications, 2022, 21, 1542-1556.         Client Selection for Federated Learning With Non-IID Data in Mobile Edge Computing. IEEE Access, 2021, 9, 24462-24474.         Wirelessly Powered Federated Edge Learning: Optimal Tradeoffs Between Convergence and Power Transfer. IEEE Transactions on Wireless Communications, 2022, 21, 680-695.         Loss and Energy Tradeoff in Multi-access Edge Computing Enabled Federated Learning. , 2021, , .	24.0 2.6 6.1 2.6 6.1	<ul> <li>56</li> <li>12</li> <li>91</li> <li>17</li> <li>1</li> </ul>
47 48 49 50 51 52	Communications Surveys and Tutorials, 2021, 23, 2384-2428.         An Ensemble Multi-View Federated Learning Intrusion Detection for IoT. IEEE Access, 2021, 9, 117734-117745.         Deploying Federated Learning in Large-Scale Cellular Networks: Spatial Convergence Analysis. IEEE Transactions on Wireless Communications, 2022, 21, 1542-1556.         Client Selection for Federated Learning With Non-IID Data in Mobile Edge Computing. IEEE Access, 2021, 9, 24462-24474.         Wirelessly Powered Federated Edge Learning: Optimal Tradeoffs Between Convergence and Power Transfer. IEEE Transactions on Wireless Communications, 2022, 21, 680-695.         Loss and Energy Tradeoff in Multi-access Edge Computing Enabled Federated Learning. , 2021, , .         Secure Federated Learning by Power Control for Internet of Drones. IEEE Transactions on Cognitive Communications, 2021, 7, 1021-1031.	24.0 2.6 6.1 2.6 6.1 4.9	<ul> <li>56</li> <li>12</li> <li>91</li> <li>17</li> <li>1</li> <li>27</li> </ul>
47 48 49 50 51 52 53	Communications Surveys and Tutorials, 2021, 23, 2384-2428.         An Ensemble Multi-View Federated Learning Intrusion Detection for IoT. IEEE Access, 2021, 9, 117734-117745.         Deploying Federated Learning in Large-Scale Cellular Networks: Spatial Convergence Analysis. IEEE Transactions on Wireless Communications, 2022, 21, 1542-1556.         Client Selection for Federated Learning With Non-IID Data in Mobile Edge Computing. IEEE Access, 2021, 9, 24462-24474.         Wirelessly Powered Federated Edge Learning: Optimal Tradeoffs Between Convergence and Power Transfer. IEEE Transactions on Wireless Communications, 2022, 21, 680-695.         Loss and Energy Tradeoff in Multi-access Edge Computing Enabled Federated Learning. , 2021, , .         Secure Federated Learning by Power Control for Internet of Drones. IEEE Transactions on Cognitive Communications and Networking, 2021, 7, 1021-1031.         Communication-Efficient Federated Learning Based on Compressed Sensing. IEEE Internet of Things Journal, 2021, 8, 15531-15541.	24.0 2.6 6.1 2.6 6.1 4.9 5.5	<ul> <li>56</li> <li>12</li> <li>91</li> <li>17</li> <li>1</li> <li>27</li> <li>34</li> </ul>

#	Article	IF	CITATIONS
55	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
56	Cloud Versus Edge Deployment Strategies of Real-Time Face Recognition Inference. IEEE Transactions on Network Science and Engineering, 2022, 9, 143-160.	4.1	24
57	Accelerating DNN Training in Wireless Federated Edge Learning Systems. IEEE Journal on Selected Areas in Communications, 2021, 39, 219-232.	9.7	105
58	Collaborative Edge Computing for Social Internet of Things: Applications, Solutions, and Challenges. IEEE Transactions on Computational Social Systems, 2022, 9, 291-301.	3.2	14
59	Security and Privacy-Enhanced Federated Learning for Anomaly Detection in IoT Infrastructures. IEEE Transactions on Industrial Informatics, 2022, 18, 3492-3500.	7.2	75
60	Reinforcement Learning for Edge Device Selection Using Social Attribute Perception in Industry 4.0. IEEE Internet of Things Journal, 2023, 10, 2784-2792.	5.5	7
61	PySyft: A Library for Easy Federated Learning. Studies in Computational Intelligence, 2021, , 111-139.	0.7	51
62	Distributed Machine Learning for Wireless Communication Networks: Techniques, Architectures, and Applications. IEEE Communications Surveys and Tutorials, 2021, 23, 1458-1493.	24.8	53
63	Bandwidth Allocation for Multiple Federated Learning Services in Wireless Edge Networks. IEEE Transactions on Wireless Communications, 2022, 21, 2534-2546.	6.1	25
64	Semi-Supervised Federated Learning for Travel Mode Identification From GPS Trajectories. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 2380-2391.	4.7	25
65	MDLdroid: A ChainSGD-Reduce Approach to Mobile Deep Learning for Personal Mobile Sensing. IEEE/ACM Transactions on Networking, 2022, 30, 134-147.	2.6	3
66	Edge-Assisted Democratized Learning Toward Federated Analytics. IEEE Internet of Things Journal, 2022, 9, 572-588.	5.5	16
67	An Internet-of-Medical-Things-Enabled Edge Computing Framework for Tackling COVID-19. IEEE Internet of Things Journal, 2021, 8, 15847-15854.	5.5	92
68	Post-Quantum Era Privacy Protection for Intelligent Infrastructures. IEEE Access, 2021, 9, 36038-36077.	2.6	31
69	Multiagent Deep Reinforcement Learning for Task Offloading and Resource Allocation in Cybertwin-Based Networks. IEEE Internet of Things Journal, 2021, 8, 16256-16268.	5.5	32
70	Fast-Convergent Federated Learning With Adaptive Weighting. IEEE Transactions on Cognitive Communications and Networking, 2021, 7, 1078-1088.	4.9	55
71	A Survey on Machine Learning Techniques for Routing Optimization in SDN. IEEE Access, 2021, 9, 104582-104611.	2.6	49
72	A Survey on Federated Learning for Resource-Constrained IoT Devices. IEEE Internet of Things Journal, 2022, 9, 1-24.	5.5	215

#	Article	IF	CITATIONS
73	A Comprehensive Survey on Training Acceleration for Large Machine Learning Models in IoT. IEEE Internet of Things Journal, 2022, 9, 939-963.	5.5	14
74	Network for AI and AI for Network: Challenges and Opportunities for Learning-Oriented Networks. IEEE Network, 2021, 35, 270-277.	4.9	16
75	A Unified Federated DNNs Framework for Heterogeneous Mobile Devices. IEEE Internet of Things Journal, 2022, 9, 1737-1748.	5.5	6
76	Early DGA-based botnet identification: pushing detection to the edges. Cluster Computing, 2021, 24, 1695-1710.	3.5	5
77	Optimizing Task Assignment for Reliable Blockchain-Empowered Federated Edge Learning. IEEE Transactions on Vehicular Technology, 2021, 70, 1910-1923.	3.9	53
78	MLMG: Multi-Local and Multi-Global Model Aggregation for Federated Learning. , 2021, , .		6
79	D2D-Assisted Federated Learning in Mobile Edge Computing Networks. , 2021, , .		18
80	Artifact: A Federated Learning Aggregation Algorithm for Pervasive Computing: Evaluation and Comparison. , 2021, , .		1
81	A Federated Learning Aggregation Algorithm for Pervasive Computing: Evaluation and Comparison. , 2021, , .		26
82	How might technology rise to the challenge of data sharing in agri-food?. Global Food Security, 2021, 28, 100493.	4.0	29
83	UAV Communications for Sustainable Federated Learning. IEEE Transactions on Vehicular Technology, 2021, 70, 3944-3948.	3.9	65
84	Federated Quantum Machine Learning. Entropy, 2021, 23, 460.	1.1	52
85	Federated Learning Meets Human Emotions: A Decentralized Framework for Human–Computer Interaction for IoT Applications. IEEE Internet of Things Journal, 2021, 8, 6949-6962.	5.5	47
86	Context-Aware Multi-User Offloading in Mobile Edge Computing: a Federated Learning-Based Approach. Journal of Grid Computing, 2021, 19, 1.	2.5	22
87	Federated-Learning-Empowered Collaborative Data Sharing for Vehicular Edge Networks. IEEE Network, 2021, 35, 116-124.	4.9	36
88	Optimal Task Assignment for Heterogeneous Federated Learning Devices. , 2021, , .		9
89	Resource Rationing for Wireless Federated Learning: Concept, Benefits, and Challenges. IEEE Communications Magazine, 2021, 59, 82-87.	4.9	21
90	A framework for the prediction of earthquake using federated learning. PeerJ Computer Science, 2021, 7, e540.	2.7	19

<u></u>	 D	_
	REDC	ND T
CILAT	NLFU	

#	Article	IF	CITATIONS
91	Applying machine learning techniques for caching in next-generation edge networks: A comprehensive survey. Journal of Network and Computer Applications, 2021, 181, 103005.	5.8	80
92	An Incentive Mechanism for Cross-Silo Federated Learning: A Public Goods Perspective. , 2021, , .		42
94	Smart Cities of the Future as Cyber Physical Systems: Challenges and Enabling Technologies. Sensors, 2021, 21, 3349.	2.1	22
95	Mobility-Aware Routing and Caching: A Federated Learning Assisted Approach. , 2021, , .		2
96	Federated Traffic Synthesizing and Classification Using Generative Adversarial Networks. , 2021, , .		2
97	Opportunistic Coded Distributed Computing: An Evolutionary Game Approach. , 2021, , .		3
98	Federated Double Deep Q-learning for Joint Delay and Energy Minimization in IoT networks. , 2021, , .		14
99	Cooperative Edge Caching via Federated Deep Reinforcement Learning in Fog-RANs. , 2021, , .		14
100	Spectrum and Computing Resource Management for Federated Learning in Distributed Industrial IoT. , 2021, , .		6
101	AI@EDGE: A Secure and Reusable Artificial Intelligence Platform for Edge Computing. , 2021, , .		2
102	Applications of federated learning in smart cities: recent advances, taxonomy, and open challenges. Connection Science, 2022, 34, 1-28.	1.8	72
103	Efficient and flexible management for industrial Internet of Things: A federated learning approach. Computer Networks, 2021, 192, 108122.	3.2	71
104	Federated Intrusion Detection In NG-IoT Healthcare Systems: An Adversarial Approach. , 2021, , .		11
105	Efficient and Privacy-preserving Distributed Learning in Cloud-Edge Computing Systems. , 2021, , .		0
106	Evolutionary-based Federated Ensemble Learning on Face Recognition. , 2021, , .		1
107	Optimizing Federated Learning on Device Heterogeneity with A Sampling Strategy. , 2021, , .		6
108	AdaMM: Adaptive Object Movement and Motion Tracking in Hierarchical Edge Computing System. Sensors, 2021, 21, 4089.	2.1	2
109	Byzantine-Resilient Federated Machine Learning via Over-the-Air Computation. , 2021, , .		8

#	Article	IF	Citations
110	Reputation-enabled Federated Learning Model Aggregation in Mobile Platforms. , 2021, , . Federated Deep Reinforcement Learning for User Access Control in Open Radio Access Networks. ,		9
111	2021,,.		15
112	Federated Learning for Spanish Ports as an Aid to Digitization. Journal of KONBiN, 2021, 51, 1-17.	0.1	0
113	Fast Convergence Algorithm for Analog Federated Learning. , 2021, , .		15
114	Design and Analysis of Uplink and Downlink Communications for Federated Learning. , 2021, , .		3
115	Federated Learning toward Data Preprocessing: COVID-19 Context. , 2021, , .		8
116	Implementation Framework for a Blockchain-Based Federated Learning Model for Classification Problems. Symmetry, 2021, 13, 1116.	1.1	9
117	Addressing the Constraints of Active Learning on the Edge. , 2021, , .		0
118	Cost as Performance: VNF Placement at the Edge. IEEE Networking Letters, 2021, 3, 70-74.	1.5	5
119	Poisoning attacks and countermeasures in intelligent networks: Status quo and prospects. Digital Communications and Networks, 2022, 8, 225-234.	2.7	16
120	A Comprehensive Survey of Privacy-preserving Federated Learning. ACM Computing Surveys, 2022, 54, 1-36.	16.1	191
121	Over-the-Air Decentralized Federated Learning. , 2021, , .		22
122	Security and Privacy for Edge Artificial Intelligence. IEEE Security and Privacy, 2021, 19, 4-7.	1.5	3
123	On Addressing Heterogeneity in Federated Learning for Autonomous Vehicles Connected to a Drone Orchestrator. Frontiers in Communications and Networks, 2021, 2, .	1.9	4
124	LPWAN and Embedded Machine Learning as Enablers for the Next Generation of Wearable Devices. Sensors, 2021, 21, 5218.	2.1	18
125	Rebirth of Distributed Alâ $\in$ "A Review of eHealth Research. Sensors, 2021, 21, 4999.	2.1	6
126	Design and Analysis of Uplink and Downlink Communications for Federated Learning. IEEE Journal on Selected Areas in Communications, 2021, 39, 2150-2167.	9.7	66
127	A Privacy-Preserving Federated Learning for Multiparty Data Sharing in Social loTs. IEEE Transactions on Network Science and Engineering, 2021, 8, 2706-2718.	4.1	63

ARTICLE IF CITATIONS A Novel Server-side Aggregation Strategy for Federated Learning in Non-IID situations., 2021,,. 13 128 Advancing Design and Runtime Management of AI Applications with AI-SPRINT (Position Paper)., 2021, , . 129 130 Dew Intelligence: Federated learning perspective., 2021,,. 7 Federated transfer learning: Concept and applications. Intelligenza Artificiale, 2021, 15, 35-44. 131 Slashing Communication Traffic in Federated Learning by Transmitting Clustered Model Updates. IEEE 132 9.7 18 Journal on Selected Areas in Communications, 2021, 39, 2572-2589. Federated Learning in Unreliable and Resource-Constrained Cellular Wireless Networks. IEEE Transactions on Communications, 2021, 69, 5136-5151. Blockchain for Securing AI Applications and Open Innovations. Journal of Open Innovation: 134 2.6 28 Technology, Market, and Complexity, 2021, 7, 189. Federated Learning Meets Blockchain in Edge Computing: Opportunities and Challenges. IEEE Internet of Things Journal, 2021, 8, 12806-12825. 5.5 Socially-Aware-Clustering-Enabled Federated Learning for Edge Networks. IEEE Transactions on 136 3.2 23 Network and Service Management, 2021, 18, 2641-2658. Stream Distributed Coded Computing. IEEE Journal on Selected Areas in Information Theory, 2021, 2, 1.9 1025-1040. Integration of blockchain and federated learning for Internet of Things: Recent advances and future 138 4.074 challenges. Computers and Security, 2021, 108, 102355. Digestive neural networks: A novel defense strategy against inference attacks in federated learning. 4.0 Computers and Security, 2021, 109, 102378. Federated user activity analysis via network traffic and deep neural network in mobile wireless 140 1.2 2 networks. Physical Communication, 2021, 48, 101438. Swarm intelligence for next-generation networks: Recent advances and applications. Journal of Network and Computer Applications, 2021, 191, 103141. 141 5.8 URLLC resource slicing and scheduling for trustworthy 6G vehicular services: A federated 142 1.2 11 reinforcement learning approach. Physical Communication, 2021, 49, 101470. FedPA: An adaptively partial model aggregation strategy in Federated Learning. Computer Networks, 143 2021, 199, 108468. A Federated Learning Approach to Anomaly Detection in Smart Buildings. ACM Transactions on 144 3.4 51 Internet of Things, 2021, 2, 1-23. 145 Federated learning on non-IID data: A survey. Neurocomputing, 2021, 465, 371-390. 277

#	Article	IF	CITATIONS
146	A survey on deep learning for challenged networks: Applications and trends. Journal of Network and Computer Applications, 2021, 194, 103213.	5.8	28
147	Probabilistic Solar Irradiation Forecasting Based on Variational Bayesian Inference With Secure Federated Learning. IEEE Transactions on Industrial Informatics, 2021, 17, 7849-7859.	7.2	46
148	Self-aware distributed deep learning framework for heterogeneous IoT edge devices. Future Generation Computer Systems, 2021, 125, 908-920.	4.9	17
149	A Distributed Hierarchical Deep Computation Model for Federated Learning in Edge Computing. IEEE Transactions on Industrial Informatics, 2021, 17, 7946-7956.	7.2	24
150	Decentralized Edge Intelligence: A Dynamic Resource Allocation Framework for Hierarchical Federated Learning. IEEE Transactions on Parallel and Distributed Systems, 2022, 33, 536-550.	4.0	124
151	Toward Privacy Preserving Federated Learning in Internet of Vehicular Things: Challenges and Future Directions. IEEE Consumer Electronics Magazine, 2022, 11, 56-66.	2.3	1
152	Research on the Security Technology of Federated Learning Privacy Preserving. Journal of Physics: Conference Series, 2021, 1757, 012192.	0.3	0
153	Energy-Aware Resource Management for Federated Learning in Multi-Access Edge Computing Systems. IEEE Access, 2021, 9, 34938-34950.	2.6	16
154	MDLdroidLite: A Release-and-Inhibit Control Approach to Resource-Efficient Deep Neural Networks on Mobile Devices. IEEE Transactions on Mobile Computing, 2022, 21, 3670-3686.	3.9	4
155	Reliable Federated Learning Systems Based on Intelligent Resource Sharing Scheme for Big Data Internet of Things. IEEE Access, 2021, 9, 108091-108100.	2.6	9
156	Federated Learning Research: Trends and Bibliometric Analysis. Studies in Computational Intelligence, 2021, , 1-19.	0.7	6
157	User-Centric Radio Access Technology Selection: A Survey of Game Theory Models and Multi-Agent Learning Algorithms. IEEE Access, 2021, 9, 84417-84464.	2.6	9
158	Fast and Fair Computation Offloading Management in a Swarm of Drones Using a Rating-Based Federated Learning Approach. IEEE Access, 2021, 9, 113832-113849.	2.6	7
159	Compact and Stable Memristive Visual Geometry Group Neural Network. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 987-998.	7.2	4
160	Federated Learning for Internet of Things: Recent Advances, Taxonomy, and Open Challenges. IEEE Communications Surveys and Tutorials, 2021, 23, 1759-1799.	24.8	290
161	Vulnerabilities in Federated Learning. IEEE Access, 2021, 9, 63229-63249.	2.6	75
162	Distillation-Based Semi-Supervised Federated Learning for Communication-Efficient Collaborative Training With Non-IID Private Data. IEEE Transactions on Mobile Computing, 2023, 22, 191-205.	3.9	61
163	Toward Multiple Federated Learning Services Resource Sharing in Mobile Edge Networks. IEEE Transactions on Mobile Computing, 2023, 22, 541-555.	3.9	23

#	Article	IF	CITATIONS
164	A Comprehensive Survey on Coded Distributed Computing: Fundamentals, Challenges, and Networking Applications. IEEE Communications Surveys and Tutorials, 2021, 23, 1800-1837.	24.8	38
165	Challenges, Applications and Design Aspects of Federated Learning: A Survey. IEEE Access, 2021, 9, 124682-124700.	2.6	45
166	Intelligent Radio Signal Processing: A Survey. IEEE Access, 2021, 9, 83818-83850.	2.6	49
167	UAV-Assisted Communication Efficient Federated Learning in the Era of the Artificial Intelligence of Things. IEEE Network, 2021, 35, 188-195.	4.9	29
168	Resource-Constrained Federated Learning with Heterogeneous Labels and Models for Human Activity Recognition. Communications in Computer and Information Science, 2021, , 57-69.	0.4	15
169	Accelerating Federated Edge Learning. IEEE Communications Letters, 2021, 25, 3282-3286.	2.5	1
170	Federated Machine Learning: Survey, Multi-Level Classification, Desirable Criteria and Future Directions in Communication and Networking Systems. IEEE Communications Surveys and Tutorials, 2021, 23, 1342-1397.	24.8	243
171	Wireless Power Transfer for Future Networks: Signal Processing, Machine Learning, Computing, and Sensing. IEEE Journal on Selected Topics in Signal Processing, 2021, 15, 1060-1094.	7.3	55
172	Optimal User-Edge Assignment in Hierarchical Federated Learning Based on Statistical Properties and Network Topology Constraints. IEEE Transactions on Network Science and Engineering, 2022, 9, 55-66.	4.1	50
173	Survey on 6G Frontiers: Trends, Applications, Requirements, Technologies and Future Research. IEEE Open Journal of the Communications Society, 2021, 2, 836-886.	4.4	294
174	Client Scheduling and Resource Management for Efficient Training in Heterogeneous IoT-Edge Federated Learning. IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems, 2022, 41, 2407-2420.	1.9	25
175	Edge-Based Communication Optimization for Distributed Federated Learning. IEEE Transactions on Network Science and Engineering, 2022, 9, 2015-2024.	4.1	38
176	Federated Learning for Internet of Things: A Comprehensive Survey. IEEE Communications Surveys and Tutorials, 2021, 23, 1622-1658.	24.8	365
177	Federated Learning Based Proactive Handover in Millimeter-wave Vehicular Networks. , 2020, , .		12
178	Dynamic Contract Design for Federated Learning in Smart Healthcare Applications. IEEE Internet of Things Journal, 2021, 8, 16853-16862.	5.5	41
179	When Information Freshness Meets Service Latency in Federated Learning: A Task-Aware Incentive Scheme for Smart Industries. IEEE Transactions on Industrial Informatics, 2022, 18, 457-466.	7.2	36
180	FedHome: Cloud-Edge Based Personalized Federated Learning for In-Home Health Monitoring. IEEE Transactions on Mobile Computing, 2022, 21, 2818-2832.	3.9	112
181	Federated Learning Meets Contract Theory: Economic-Efficiency Framework for Electric Vehicle Networks. IEEE Transactions on Mobile Computing, 2022, 21, 2803-2817.	3.9	23

#	Article	IF	CITATIONS
182	Device Association for RAN Slicing Based on Hybrid Federated Deep Reinforcement Learning. IEEE Transactions on Vehicular Technology, 2020, 69, 15731-15745.	3.9	58
183	Federated Learning for Cellular Networks: Joint User Association and Resource Allocation. , 2020, , .		8
184	A Vision on Intelligent Medical Service for Emergency on 5G and 6G Communication Era. EAI Endorsed Transactions on Internet of Things, 2020, 6, 166293.	0.9	19
185	Delay Analysis of Wireless Federated Learning Based on Saddle Point Approximation and Large Deviation Theory. IEEE Journal on Selected Areas in Communications, 2021, 39, 3772-3789.	9.7	18
186	Optimizing Federated Learning in Distributed Industrial IoT: A Multi-Agent Approach. IEEE Journal on Selected Areas in Communications, 2021, 39, 3688-3703.	9.7	84
187	Semi-Decentralized Federated Learning With Cooperative D2D Local Model Aggregations. IEEE Journal on Selected Areas in Communications, 2021, 39, 3851-3869.	9.7	38
188	Federated Deep Learning for Cyber Security in the Internet of Things: Concepts, Applications, and Experimental Analysis. IEEE Access, 2021, 9, 138509-138542.	2.6	103
189	Protecting Data Privacy in Federated Learning Combining Differential Privacy and Weak Encryption. Lecture Notes in Computer Science, 2021, , 95-109.	1.0	3
190	Adaptive Transmission Scheduling in Wireless Networks for Asynchronous Federated Learning. IEEE Journal on Selected Areas in Communications, 2021, 39, 3673-3687.	9.7	21
191	Deep Reinforcement Learning for Energy-Efficient Federated Learning in UAV-Enabled Wireless Powered Networks. IEEE Communications Letters, 2022, 26, 99-103.	2.5	28
192	Automatic Modulation Classification: A Deep Architecture Survey. IEEE Access, 2021, 9, 142950-142971.	2.6	50
193	Horizontal Federated Learning of Takagi–Sugeno Fuzzy Rule-Based Models. IEEE Transactions on Fuzzy Systems, 2022, 30, 3537-3547.	6.5	11
194	Edge-to-Fog Collaborative Computing in a Swarm of Drones. Communications in Computer and Information Science, 2021, , 78-87.	0.4	1
195	Pain-FL: Personalized Privacy-Preserving Incentive for Federated Learning. IEEE Journal on Selected Areas in Communications, 2021, 39, 3805-3820.	9.7	40
196	Cost-Efficient and Skew-Aware Data Scheduling for Incremental Learning in 5G Networks. IEEE Journal on Selected Areas in Communications, 2022, 40, 578-595.	9.7	1
197	FedMes: Speeding Up Federated Learning With Multiple Edge Servers. IEEE Journal on Selected Areas in Communications, 2021, 39, 3870-3885.	9.7	14
198	Convergence of Photovoltaic Power Forecasting and Deep Learning: State-of-Art Review. IEEE Access, 2021, 9, 136593-136615.	2.6	37
199	Budget-Aware Online Control of Edge Federated Learning on Streaming Data With Stochastic Inputs. IEEE Journal on Selected Areas in Communications, 2021, 39, 3704-3722.	9.7	6

ARTICLE IF CITATIONS # Dynamic Edge Association and Resource Allocation in Self-Organizing Hierarchical Federated Learning 200 9.7 70 Networks. IEEE Journal on Selected Areas in Communications, 2021, 39, 3640-3653. Federated Learning for Cybersecurity: Concepts, Challenges, and Future Directions. IEEE Transactions 7.2 114 on Industrial Informatics, 2022, 18, 3501-3509. Distributed Learning in Wireless Networks: Recent Progress and Future Challenges. IEEE Journal on 202 9.7 201 Selected Areas in Communications, 2021, 39, 3579-3605. AutoFL: Enabling Heterogeneity-Aware Energy Efficient Federated Learning., 2021, , . Survey on Mobile Edge-Cloud Computing: A Taxonomy on Computation offloading Approaches. Studies 204 0.8 10 in Big Data, 2022, , 117-158. Carbon-Responsive Computing: Changing the Nexus between Energy and Computing. Energies, 2021, 14, 1.6 6917. Intelligent Intrusion Detection Based on Federated Learning for Edge-Assisted Internet of Things. 206 1.0 18 Security and Communication Networks, 2021, 2021, 1-11. Trends in Intelligent Communication Systems: Review of Standards, Major Research Projects, and 2.3 Identification of Research Gaps. Journal of Sensor and Actuator Networks, 2021, 10, 60. 208 Federated mobile sensing for activity recognition., 2021,,. 1 Model Poisoning Defense on Federated Learning: A Validation Based Approach. Lecture Notes in 209 1.0 Computer Science, 2020, , 207-223. Artificial Intelligence Approach for Target Classification: A State of The Art. Advances in Science, 210 2 0.4 Technology and Engineering Systems, 2020, 5, 445-456. 211 Collaborative Anomaly Detection for Internet of Things based on Federated Learning., 2020, , . Wireless Network Optimization for Federated Learning with Model Compression in Hybrid VLC/RF 212 1.1 7 Systems. Entropy, 2021, 23, 1413. Definition of a novel federated learning approach to reduce communication costs. Expert Systems 4.4 26 With Applications, 2022, 189, 116109 214 Hosting AI/ML Workflows on O-RAN RIC Platform., 2020,,. 39 Towards Efficient Secure Aggregation for Model Update in Federated Learning., 2020, , . Proposing a Distributed and Dynamic Bio-inspired Recognition of Identity in Vehicular Networks., 216 0 2020,,. FeGAN., 2020, , .

#	Article	IF	CITATIONS
218	Accelerating Partitioned Edge Learning via Joint Parameter-and-Bandwidth Allocation. , 2020, , .		1
219	Multi-Dimensional Contract-Matching for Federated Learning in UAV-Enabled Internet of Vehicles. , 2020, , .		3
220	A Spiking Neural Network Based Auto-encoder for Anomaly Detection in Streaming Data. , 2020, , .		2
221	Simulating Aggregation Algorithms for Empirical Verification of Resilient and Adaptive Federated Learning. , 2020, , .		7
222	An Overview of Energy-Efficient Hardware Accelerators for On-Device Deep-Neural-Network Training. IEEE Open Journal of the Solid-State Circuits Society, 2021, 1, 115-128.	2.0	11
223	A Survey on Federated Learning Systems: Vision, Hype and Reality for Data Privacy and Protection. IEEE Transactions on Knowledge and Data Engineering, 2023, 35, 3347-3366.	4.0	209
224	PBFL: Communication-Efficient Federated Learning via Parameter Predicting. Computer Journal, 2023, 66, 626-642.	1.5	1
225	Dynamic Federated Learning-Based Economic Framework for Internet-of-Vehicles. IEEE Transactions on Mobile Computing, 2023, 22, 2100-2115.	3.9	11
226	Machine Learning at the Network Edge: A Survey. ACM Computing Surveys, 2022, 54, 1-37.	16.1	134
227	User Access Control in Open Radio Access Networks: A Federated Deep Reinforcement Learning Approach. IEEE Transactions on Wireless Communications, 2022, 21, 3721-3736.	6.1	20
228	Dispersed Federated Learning: Vision, Taxonomy, and Future Directions. IEEE Wireless Communications, 2021, 28, 192-198.	6.6	16
229	Edge-Assisted Federated Learning: An Empirical Study from Software Decomposition Perspective. Lecture Notes in Computer Science, 2020, , 200-214.	1.0	1
230	Defending Poisoning Attacks in Federated Learning via Adversarial Training Method. Communications in Computer and Information Science, 2020, , 83-94.	0.4	5
231	Empirical Studies of Institutional Federated Learning For Natural Language Processing. , 2020, , .		20
232	A Security-Oriented Architecture for Federated Learning in Cloud Environments. Advances in Intelligent Systems and Computing, 2020, , 730-741.	0.5	8
233	CNN-Based Distributed Learning for Spectrum Sensing in Cognitive Radio Networks. , 2021, , .		0
234	Learning Based Efficient Federated Learning for Object Detection in MEC Against Jamming. , 2021, , .		0
235	Steering Angle Prediction for Autonomous Driving using Federated Learning: The Impact of Vehicle-To-Everything Communication. , 2021, , .		10

# 236	ARTICLE User-centric User Selection for Federated Learning in Visible-Light Networks. , 2021, , .	IF	CITATIONS
237	Blockchain-based federated learning methodologies in smart environments. Cluster Computing, 2022, 25, 2585-2599.	3.5	28
238	A privacy-preserving multi-agent updating framework for self-adaptive tree model. Peer-to-Peer Networking and Applications, 2022, 15, 921-933.	2.6	3
239	Online federated learning with imbalanced class distribution. , 2020, , .		0
240	Client Selection for Federated Learning With Label Noise. IEEE Transactions on Vehicular Technology, 2022, 71, 2193-2197.	3.9	16
241	Quantized Federated Learning Under Transmission Delay and Outage Constraints. IEEE Journal on Selected Areas in Communications, 2022, 40, 323-341.	9.7	29
242	Decentralized Inference With Graph Neural Networks in Wireless Communication Systems. IEEE Transactions on Mobile Computing, 2023, 22, 2582-2598.	3.9	15
243	Signal Source Distribution Approximation to Speedup Scalar Quantizer Design. IEEE Transactions on Signal Processing, 2021, 69, 6314-6328.	3.2	1
244	A hybridization of distributed policy and heuristic augmentation for improving federated learning approach. Neural Networks, 2022, 146, 130-140.	3.3	17
245	Turning Channel Noise into an Accelerator for Over-the-Air Principal Component Analysis. , 2021, , .		4
246	Wirelessly Powered Federated Edge Learning. , 2021, , .		0
247	Modeling and Performance Analysis on Federated Learning in Edge Computing. , 2021, , .		1
248	Spatial Convergence of Federated Learning in Large-Scale Cellular Networks. , 2021, , .		1
249	An Edge based Federated Learning Framework for Person Re-identification in UAV Delivery Service. , 2021, , .		5
250	Resource Optimization for Signal Recognition in Satellite MEC with Federated Learning. , 2021, , .		5
251	FedSkel., 2021,,.		5
252	Blockchain for federated learning toward secure distributed machine learning systems: a systemic survey. Soft Computing, 2022, 26, 4423-4440.	2.1	80
253	A Privacy-Oriented Approach for Depression Signs Detection Based on Speech Analysis. Electronics (Switzerland), 2021, 10, 2986.	1.8	1

#	Article	IF	CITATIONS
254	Inter-Server Collaborative Federated Learning for Ultra-Dense Edge Computing. IEEE Transactions on Wireless Communications, 2022, 21, 5191-5203.	6.1	18
255	Drones' Edge Intelligence Over Smart Environments in B5G: Blockchain and Federated Learning Synergy. IEEE Transactions on Green Communications and Networking, 2022, 6, 295-312.	3.5	58
257	Blockchain-Empowered Space-Air-Ground Integrated Networks: Opportunities, Challenges, and Solutions. IEEE Communications Surveys and Tutorials, 2022, 24, 160-209.	24.8	66
258	RLSS: A Reinforcement Learning Scheme for HD Map Data Source Selection in Vehicular NDN. IEEE Internet of Things Journal, 2022, 9, 10777-10791.	5.5	11
259	CBFL: A Communication-Efficient Federated Learning Framework From Data Redundancy Perspective. IEEE Systems Journal, 2022, 16, 5572-5583.	2.9	4
261	The Duo of Artificial Intelligence and Big Data for Industry 4.0: Applications, Techniques, Challenges, and Future Research Directions. IEEE Internet of Things Journal, 2022, 9, 12861-12885.	5.5	50
263	FedHAR: Semi-Supervised Online Learning for Personalized Federated Human Activity Recognition. IEEE Transactions on Mobile Computing, 2023, 22, 3318-3332.	3.9	22
264	Reputation-aware Hedonic Coalition Formation for Efficient Serverless Hierarchical Federated Learning. IEEE Transactions on Parallel and Distributed Systems, 2021, , 1-1.	4.0	10
266	Resource-Constrained Federated Edge Learning With Heterogeneous Data: Formulation and Analysis. IEEE Transactions on Network Science and Engineering, 2022, 9, 3166-3178.	4.1	14
267	Holistic Network Virtualization and Pervasive Network Intelligence for 6G. IEEE Communications Surveys and Tutorials, 2022, 24, 1-30.	24.8	124
267 268	Holistic Network Virtualization and Pervasive Network Intelligence for 6G. IEEE Communications Surveys and Tutorials, 2022, 24, 1-30. Toward Crowdsourced Transportation Mode Identification: A Semisupervised Federated Learning Approach. IEEE Internet of Things Journal, 2022, 9, 11868-11882.	24.8 5.5	124 12
267 268 269	Holistic Network Virtualization and Pervasive Network Intelligence for 6G. IEEE Communications         Surveys and Tutorials, 2022, 24, 1-30.         Toward Crowdsourced Transportation Mode Identification: A Semisupervised Federated Learning         Approach. IEEE Internet of Things Journal, 2022, 9, 11868-11882.         Adaptive Deadline Determination for Mobile Device Selection in Federated Learning. IEEE Transactions         on Vehicular Technology, 2022, 71, 3367-3371.	24.8 5.5 3.9	124 12 16
267 268 269 270	Holistic Network Virtualization and Pervasive Network Intelligence for 6G. IEEE Communications         Surveys and Tutorials, 2022, 24, 1-30.         Toward Crowdsourced Transportation Mode Identification: A Semisupervised Federated Learning         Approach. IEEE Internet of Things Journal, 2022, 9, 11868-11882.         Adaptive Deadline Determination for Mobile Device Selection in Federated Learning. IEEE Transactions         on Vehicular Technology, 2022, 71, 3367-3371.         Al-based Intrusion Detection for Intelligence Internet of Vehicles. IEEE Consumer Electronics         Magazine, 2023, 12, 109-116.	24.8 5.5 3.9 2.3	124 12 16 7
267 268 269 270	Holistic Network Virtualization and Pervasive Network Intelligence for 6G. IEEE Communications         Surveys and Tutorials, 2022, 24, 1-30.         Toward Crowdsourced Transportation Mode Identification: A Semisupervised Federated Learning         Approach. IEEE Internet of Things Journal, 2022, 9, 11868-11882.         Adaptive Deadline Determination for Mobile Device Selection in Federated Learning. IEEE Transactions on Vehicular Technology, 2022, 71, 3367-3371.         Al-based Intrusion Detection for Intelligence Internet of Vehicles. IEEE Consumer Electronics         Magazine, 2023, 12, 109-116.         Adaptive Resource Optimized Edge Federated Learning in Real-Time Image Sensing Classifications. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 10929-10940.	24.8 5.5 3.9 2.3	124 12 16 7 26
267 268 269 270 272 273	Holistic Network Virtualization and Pervasive Network Intelligence for 6C. IEEE Communications         Surveys and Tutorials, 2022, 24, 1-30.         Toward Crowdsourced Transportation Mode Identification: A Semisupervised Federated Learning Approach. IEEE Internet of Things Journal, 2022, 9, 11868-11882.         Adaptive Deadline Determination for Mobile Device Selection in Federated Learning. IEEE Transactions on Vehicular Technology, 2022, 71, 3367-3371.         Al-based Intrusion Detection for Intelligence Internet of Vehicles. IEEE Consumer Electronics Magazine, 2023, 12, 109-116.         Adaptive Resource Optimized Edge Federated Learning in Real-Time Image Sensing Classifications. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 10929-10940.         Federated Learning and Proactive Computation Reuse at the Edge of Smart Homes. IEEE Transactions on Network Science and Engineering, 2022, 9, 3045-3056.	24.8 5.5 3.9 2.3 2.3 4.1	<ul> <li>124</li> <li>12</li> <li>16</li> <li>7</li> <li>26</li> <li>10</li> </ul>
267 268 269 270 272 273	<ul> <li>Holistic Network Virtualization and Pervasive Network Intelligence for 6G. IEEE Communications Surveys and Tutorials, 2022, 24, 1-30.</li> <li>Toward Crowdsourced Transportation Mode Identification: A Semisupervised Federated Learning Approach. IEEE Internet of Things Journal, 2022, 9, 11868-11882.</li> <li>Adaptive Deadline Determination for Mobile Device Selection in Federated Learning. IEEE Transactions on Vehicular Technology, 2022, 71, 3367-3371.</li> <li>Al-based Intrusion Detection for Intelligence Internet of Vehicles. IEEE Consumer Electronics Magazine, 2023, 12, 109-116.</li> <li>Adaptive Resource Optimized Edge Federated Learning in Real-Time Image Sensing Classifications. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 10929-10940.</li> <li>Federated Learning and Proactive Computation Reuse at the Edge of Smart Homes. IEEE Transactions on Network Science and Engineering, 2022, 9, 3045-3056.</li> <li>Mobile Edge Computing for Content Distribution and Mobility Support in Smart Cities., 2021, , 473-500.</li> </ul>	<ul> <li>24.8</li> <li>5.5</li> <li>3.9</li> <li>2.3</li> <li>2.3</li> <li>4.1</li> </ul>	124 12 16 7 26 10
267 268 269 270 272 273 273	Holistic Network Virtualization and Pervasive Network Intelligence for 6G. IEEE Communications         Surveys and Tutorials, 2022, 24, 1-30.         Toward Crowdsourced Transportation Mode Identification: A Semisupervised Federated Learning         Approach. IEEE Internet of Things Journal, 2022, 9, 11868-11882.         Adaptive Deadline Determination for Mobile Device Selection In Federated Learning. IEEE Transactions         on Vehicular Technology, 2022, 71, 3367-3371.         Al-based Intrusion Detection for Intelligence Internet of Vehicles. IEEE Consumer Electronics         Magazine, 2023, 12, 109-116.         Adaptive Resource Optimized Edge Federated Learning in Real-Time Image Sensing Classifications. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 10929-10940.         Federated Learning and Proactive Computation Reuse at the Edge of Smart Homes. IEEE Transactions on Network Science and Engineering, 2022, 9, 3045-3056.         Mobile Edge Computing for Content Distribution and Mobility Support in Smart Cities., 2021,, 473-500.         THF: 3-Way Hierarchical Framework for Efficient Client Selection and Resource Management in Federated Learning. IEEE Internet of Things Journal, 2022, 9, 11085-11097.	<ul> <li>24.8</li> <li>5.5</li> <li>3.9</li> <li>2.3</li> <li>2.3</li> <li>4.1</li> <li>5.5</li> </ul>	124 12 16 7 26 10 2 11

#	Article	IF	CITATIONS
277	Federated Learning-Based Content Popularity Prediction in Fog Radio Access Networks. IEEE Transactions on Wireless Communications, 2022, 21, 3836-3849.	6.1	9
278	The Internet of Federated Things (IoFT). IEEE Access, 2021, 9, 156071-156113.	2.6	15
279	Federated Learning in Edge Computing: A Systematic Survey. Sensors, 2022, 22, 450.	2.1	92
280	Multi-Agent Deep Q-Networks for Efficient Edge Federated Learning Communications in Software-Defined IoT. Computers, Materials and Continua, 2022, 71, 3319-3335.	1.5	8
281	Dynamic Scheduling for Over-the-Air Federated Edge Learning With Energy Constraints. IEEE Journal on Selected Areas in Communications, 2022, 40, 227-242.	9.7	40
282	Blockchained service provisioning and malicious node detection via federated learning in scalable Internet of Sensor Things networks. Computer Networks, 2022, 204, 108691.	3.2	18
283	Evaluating Federated Learning for intrusion detection in Internet of Things: Review and challenges. Computer Networks, 2022, 203, 108661.	3.2	51
284	Social physics. Physics Reports, 2022, 948, 1-148.	10.3	231
285	Secure deduplication schemes for content delivery in mobile edge computing. Computers and Security, 2022, 114, 102602.	4.0	6
286	A framework for privacy-preservation of IoT healthcare data using Federated Learning and blockchain technology. Future Generation Computer Systems, 2022, 129, 380-388.	4.9	114
287	Federated Learning Service Market: A Game Theoretic Analysis. , 2020, , .		9
288	A Cross-Layer Optimization Framework for Distributed Computing in IoT Networks. , 2020, , .		2
290	A Blockchain Based Federated Learning for Message Dissemination in Vehicular Networks. IEEE Transactions on Vehicular Technology, 2022, 71, 1927-1940.	3.9	31
291	Leveraging the Potentials of Federated Al Ecosystems. Lecture Notes in Information Systems and Organisation, 2021, , 61-68.	0.4	0
292	Cooperative Federated Learning-Based Task Offloading Scheme for Tactical Edge Networks. IEEE Access, 2021, 9, 145739-145747.	2.6	4
293	Federated Transfer Learning-based Data Security Assurance in Edge Optical Networks for IoT Applications. , 2021, , .		1
294	Synthetic Traffic Signs Dataset for Traffic Sign Detection & Recognition In Distributed Smart Systems. , 2021, , .		2
295	Federated Deep Unfolding for Sparse Recovery. , 2021, , .		2

#	Article	IF	Citations
296	Federated Deep Learning for Collaborative Intrusion Detection in Heterogeneous Networks. , 2021, , .		5
297	Adaptive Modulation for Wireless Federated Learning. , 2021, , .		2
298	A Recommender System that safeguards the user privacy through Federated Learning. , 2021, , .		0
299	Impact of Network Topology on the Convergence of Decentralized Federated Learning Systems. , 2021, ,		1
300	Optimization for Node Cooperation in Hierarchical Federated Learning. , 2021, , .		0
301	Privacy-Preserving Wireless Federated Learning Exploiting Inherent Hardware Impairments. , 2021, , .		2
302	Federated Learning with Fair Worker Selection: A Multi-Round Submodular Maximization Approach. , 2021, , .		2
303	Low Latency Multi - Dimensional Offloading in Intelligent Transportation System. , 2021, , .		0
304	A survey on security and privacy threats to federated learning. , 2021, , .		11
305	Al-Based Radio Resource Allocation in Support of the Massive Heterogeneity of 6G Networks. , 2021, , .		9
306	Energy-Efficient Transmissions in Federated Learning-Assisted Cognitive Radio Networks. , 2021, , .		3
307	Gradient Compression via Count-Sketch for Analog Federated Learning. , 2021, , .		0
308	User Scheduling in Federated Learning over Energy Harvesting Wireless Networks. , 2021, , .		2
309	Enabling Large-Scale Federated Learning over Wireless Edge Networks. , 2021, , .		2
310	Federated Deep Reinforcement Learning for Online Task Offloading and Resource Allocation in WPC-MEC Networks. IEEE Access, 2022, 10, 9856-9867.	2.6	12
311	Distributed Machine Learning for Multiuser Mobile Edge Computing Systems. IEEE Journal on Selected Topics in Signal Processing, 2022, 16, 460-473.	7.3	55
312	Leveraging asynchronous federated learning to predict customers financial distress. Intelligent Systems With Applications, 2022, 14, 200064.	1.9	10
313	Cyber Security and Privacy of Connected and Automated Vehicles (CAVs)-Based Federated Learning: Challenges, Opportunities, and Open Issues. EAI/Springer Innovations in Communication and Computing, 2022, , 169-183.	0.9	14

#	Article	IF	CITATIONS
314	A Novel Joint Dataset and Computation Management Scheme for Energy-Efficient Federated Learning in Mobile Edge Computing. IEEE Wireless Communications Letters, 2022, 11, 898-902.	3.2	11
315	Federated Learning for Privacy-Preserved Medical Internet of Things. Intelligent Automation and Soft Computing, 2022, 33, 157-172.	1.6	6
316	Energy-efficient client selection in federated learning with heterogeneous data on edge. Peer-to-Peer Networking and Applications, 2022, 15, 1139-1151.	2.6	9
317	Visual privacy attacks and defenses in deep learning: a survey. Artificial Intelligence Review, 2022, 55, 4347-4401.	9.7	12
318	Trust Management for Internet of Things: A Comprehensive Study. IEEE Internet of Things Journal, 2022, 9, 7664-7679.	5.5	24
319	Hierarchical Federated Learning for Edge-Aided Unmanned Aerial Vehicle Networks. Applied Sciences (Switzerland), 2022, 12, 670.	1.3	14
320	Hybrid NOMA Offloading in Multi-User MEC Networks. IEEE Transactions on Wireless Communications, 2022, 21, 5377-5391.	6.1	45
321	Federated Learning: Challenges, Methods, and Future Directions. EAI/Springer Innovations in Communication and Computing, 2022, , 199-214.	0.9	8
322	A Hierarchical Incentive Design Toward Motivating Participation in Coded Federated Learning. IEEE Journal on Selected Areas in Communications, 2022, 40, 359-375.	9.7	22
323	Al-Based Mobile Edge Computing for IoT: Applications, Challenges, and Future Scope. Arabian Journal for Science and Engineering, 2022, 47, 9801-9831.	1.7	42
324	Fuzzy Clustered Federated Learning Algorithm for Solar Power Generation Forecasting. IEEE Transactions on Emerging Topics in Computing, 2022, 10, 2092-2098.	3.2	8
325	SplitPlace. Performance Evaluation Review, 2022, 49, 63-65.	0.4	3
326	FedAda: Fast-convergent adaptive federated learning in heterogeneous mobile edge computing environment. World Wide Web, 2022, 25, 1971-1998.	2.7	10
327	Communication-efficient distributed AI strategies for the IoT edge. Future Generation Computer Systems, 2022, 131, 292-308.	4.9	19
328	A lightweight federated learning based privacy preserving B5G pandemic response network using unmanned aerial vehicles: A proof-of-concept. Computer Networks, 2022, 205, 108672.	3.2	14
329	Federated learning enabled digital twins for smart cities: Concepts, recent advances, and future directions. Sustainable Cities and Society, 2022, 79, 103663.	5.1	94
330	Enabling Long-Term Cooperation in Cross-Silo Federated Learning: A Repeated Game Perspective. IEEE Transactions on Mobile Computing, 2023, 22, 3910-3924.	3.9	9
331	Energy-Efficient Federated Learning Over UAV-Enabled Wireless Powered Communications. IEEE Transactions on Vehicular Technology, 2022, 71, 4977-4990.	3.9	51

#	Article	IF	CITATIONS
333	SecurelloT Environment: Federated Learning Empowered Approach for Securing IIoT From Data Breach. IEEE Transactions on Industrial Informatics, 2022, 18, 6406-6414.	7.2	17
335	Federated learning and next generation wireless communications: A survey on bidirectional relationship. Transactions on Emerging Telecommunications Technologies, 2022, 33, .	2.6	13
336	A survey: Distributed Machine Learning for 5G and beyond. Computer Networks, 2022, 207, 108820.	3.2	25
337	IOGOD: An interpretable outlier generation-based outlier detector for categorical databases. Expert Systems With Applications, 2022, 195, 116570.	4.4	2
338	Federated Learning for 6G: Applications, Challenges, and Opportunities. Engineering, 2022, 8, 33-41.	3.2	105
339	Federated Learning for Physical Layer Design. IEEE Communications Magazine, 2021, 59, 81-87.	4.9	17
340	Privacy-Preserved Generative Network for Trustworthy Anomaly Detection in Smart Grids: A Federated Semisupervised Approach. IEEE Transactions on Industrial Informatics, 2023, 19, 995-1005.	7.2	7
341	EPPDA: An Efficient Privacy-Preserving Data Aggregation Federated Learning Scheme. IEEE Transactions on Network Science and Engineering, 2023, 10, 3047-3057.	4.1	46
342	Clustered Vehicular Federated Learning: Process and Optimization. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 25371-25383.	4.7	25
343	Aerial Computing: A New Computing Paradigm, Applications, and Challenges. IEEE Internet of Things Journal, 2022, 9, 8339-8363.	5.5	38
344	A Novel Joint Dataset and Incentive Management Mechanism for Federated Learning Over MEC. IEEE Access, 2022, 10, 30026-30038.	2.6	3
345	Heterogeneous Semi-Asynchronous Federated Learning in Internet of Things: A Multi-Armed Bandit Approach. IEEE Transactions on Emerging Topics in Computational Intelligence, 2022, 6, 1113-1124.	3.4	8
346	Data Heterogeneity-Robust Federated Learning via Group Client Selection in Industrial IoT. IEEE Internet of Things Journal, 2022, 9, 17844-17857.	5.5	39
347	Towards Personalized Federated Learning. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 9587-9603.	7.2	196
348	Improving Accuracy and Convergence in Group-Based Federated Learning on Non-IID Data. IEEE Transactions on Network Science and Engineering, 2023, 10, 1389-1404.	4.1	3
349	Machine Learning in NextG Networks via Generative Adversarial Networks. IEEE Transactions on Cognitive Communications and Networking, 2022, 8, 480-501.	4.9	10
350	Smartphone App Usage Analysis: Datasets, Methods, and Applications. IEEE Communications Surveys and Tutorials, 2022, 24, 937-966.	24.8	59
351	Exploiting Federated Learning Technique to Recognize Human Activities in Resource-Constrained Environment. Lecture Notes in Computer Science, 2022, , 659-672.	1.0	1

#	Article	IF	CITATIONS
352	Robust Multi-model Personalized Federated Learning viaÂModel Distillation. Lecture Notes in Computer Science, 2022, , 432-446.	1.0	2
353	DER Forecast Using Privacy-Preserving Federated Learning. IEEE Internet of Things Journal, 2023, 10, 2046-2055.	5.5	16
354	An Improved Federated Learning Algorithm for Privacy Preserving in Cybertwin-Driven 6G System. IEEE Transactions on Industrial Informatics, 2022, 18, 6733-6742.	7.2	8
355	Al-Enabled Secure Microservices in Edge Computing: Opportunities and Challenges. IEEE Transactions on Services Computing, 2023, 16, 1485-1504.	3.2	29
356	Non-Orthogonal Multiple Access Assisted Federated Learning via Wireless Power Transfer: A Cost-Efficient Approach. IEEE Transactions on Communications, 2022, 70, 2853-2869.	4.9	74
357	p2pGNN: A Decentralized Graph Neural Network for Node Classification in Peer-to-Peer Networks. IEEE Access, 2022, 10, 34755-34765.	2.6	6
358	Turning Channel Noise Into an Accelerator for Over-the-Air Principal Component Analysis. IEEE Transactions on Wireless Communications, 2022, 21, 7926-7941.	6.1	10
359	Toward Federated-Learning-Enabled Visible Light Communication in 6G Systems. IEEE Wireless Communications, 2022, 29, 48-56.	6.6	18
360	Applications of Federated Learning; Taxonomy, Challenges, and Research Trends. Electronics (Switzerland), 2022, 11, 670.	1.8	51
361	From distributed machine learning to federated learning: a survey. Knowledge and Information Systems, 2022, 64, 885-917.	2.1	81
362	AFLPC: An Asynchronous Federated Learning Privacy-Preserving Computing Model Applied to 5G-V2X. Security and Communication Networks, 2022, 2022, 1-11.	1.0	19
363	GAN-Based Information Leakage Attack Detection in Federated Learning. Security and Communication Networks, 2022, 2022, 1-10.	1.0	3
364	Unequal error protection transmission for federated learning. IET Communications, 2022, 16, 1106-1118.	1.5	1
365	SignDS-FL: Local Differentially Private Federated Learning with Sign-based Dimension Selection. ACM Transactions on Intelligent Systems and Technology, 2022, 13, 1-22.	2.9	6
366	EC-SAGINs: Edge-Computing-Enhanced Space–Air–Ground-Integrated Networks for Internet of Vehicles. IEEE Internet of Things Journal, 2022, 9, 5742-5754.	5.5	59
367	A review on federated learning towards image processing. Computers and Electrical Engineering, 2022, 99, 107818.	3.0	23
368	Dynamic and adaptive fault-tolerant asynchronous federated learning using volunteer edge devices. Future Generation Computer Systems, 2022, 133, 53-67.	4.9	13
369	Reconfigurable Aggregation Tree for Distributed Machine Learning in Optical WAN. , 2021, ,		1

#	Article	IF	CITATIONS
370	FedIM: An Anti-attack Federated Learning Based on Agent Importance Aggregation. , 2021, , .		0
371	Dynamic Edge Association in Hierarchical Federated Learning Networks. , 2021, , .		0
372	Digital Twin Based Trajectory Prediction for Platoons of Connected Intelligent Vehicles. , 2021, , .		3
373	On the Convergence Rate of Federated Learning over Unreliable Networks. , 2021, , .		1
374	Big Data Analytics Framework for Predictive Analytics using Public Data with Privacy Preserving. , 2021, , .		3
375	An Incentive Mechanism for Big Data Trading in End-Edge-Cloud Hierarchical Federated Learning. , 2021, , .		5
376	Client Selection with Bandwidth Allocation in Federated Learning. , 2021, , .		5
377	Joint Client Selection and Task Assignment for Multi-Task Federated Learning in MEC Networks. , 2021, ,		2
378	Federated Learning for Privacy-Preserving Internet of Things. Studies in Computational Intelligence, 2022, , 215-228.	0.7	2
379	A comprehensive review of federated learning for COVIDâ€19 detection. International Journal of Intelligent Systems, 2022, 37, 2371-2392.	3.3	24
380	Covert Distributed Training of Deep Federated Industrial Honeypots. , 2021, , .		2
381	6C service-oriented space-air-ground integrated network: A survey. Chinese Journal of Aeronautics, 2022, 35, 1-18.	2.8	30
382	Introduction Conceptualization of Security, Forensics, and Privacy of Internet of Things: An Artificial Intelligence Perspective. Studies in Computational Intelligence, 2022, , 1-35.	0.7	0
383	Challenges and future directions of secure federated learning: a survey. Frontiers of Computer Science, 2022, 16, 165817.	1.6	45
385	Selective Federated Learning for On-Road Services in Internet-of-Vehicles. , 2021, , .		3
386	Incentive Mechanism for AI-Based Mobile Applications with Coded Federated Learning. , 2021, , .		1
387	A Differential Privacy-enhanced Federated Learning Method for Short-Term Household Load Forecasting in Smart Grid. , 2021, , .		6
388	A Hierarchical Incentive Mechanism for Coded Federated Learning. , 2021, , .		0

#	Article	IF	CITATIONS
389	Improving Security with Federated Learning. , 2021, , .		3
390	Distributed Unsupervised Pattern Learning for Constrained Sensor Network. , 2022, , .		Ο
391	A Differentially Private Federated Learning Model against Poisoning Attacks in Edge Computing. IEEE Transactions on Dependable and Secure Computing, 2022, , 1-1.	3.7	13
392	Privacy-Preserved Cyberattack Detection in Industrial Edge of Things (IEoT): A Blockchain-Orchestrated Federated Learning Approach. IEEE Transactions on Industrial Informatics, 2022, 18, 7920-7934.	7.2	13
393	Federated Learning for IoMT Applications: A Standardization and Benchmarking Framework of Intrusion Detection Systems. IEEE Journal of Biomedical and Health Informatics, 2023, 27, 878-887.	3.9	15
394	Decentralized Graph Federated Multitask Learning for Streaming Data. , 2022, , .		9
395	A dynamic incentive and reputation mechanism for energy-efficient federated learning in 6G. Digital Communications and Networks, 2023, 9, 817-826.	2.7	10
396	Communication efficiency optimization in federated learning based on multi-objective evolutionary algorithm. Evolutionary Intelligence, 2023, 16, 1033-1044.	2.3	6
397	A survey of privacy-preserving offloading methods in mobile-edge computing. Journal of Network and Computer Applications, 2022, 203, 103395.	5.8	17
398	Networking Systems of AI: On the Convergence of Computing and Communications. IEEE Internet of Things Journal, 2022, 9, 20352-20381.	5.5	22
399	Federated Learning Over Multihop Wireless Networks With In-Network Aggregation. IEEE Transactions on Wireless Communications, 2022, 21, 4622-4634.	6.1	11
400	FedMe: Federated Learning via Model Exchange. , 2022, , 459-467.		7
401	AdaFed: Optimizing Participation-Aware Federated Learning With Adaptive Aggregation Weights. IEEE Transactions on Network Science and Engineering, 2022, 9, 2708-2720.	4.1	8
402	Heterogeneous Federated Learning viaÂGrouped Sequential-to-Parallel Training. Lecture Notes in Computer Science, 2022, , 455-471.	1.0	4
403	Automatic Double-Auction Mechanism for Federated Learning Service Market in Internet of Things. IEEE Transactions on Network Science and Engineering, 2022, 9, 3123-3135.	4.1	13
404	SCA: Sybil-Based Collusion Attacks of IIoT Data Poisoning in Federated Learning. IEEE Transactions on Industrial Informatics, 2023, 19, 2608-2618.	7.2	16
405	Device Selection and Resource Allocation for Layerwise Federated Learning in Wireless Networks. IEEE Systems Journal, 2022, 16, 6441-6444.	2.9	4
406	MotiLearn: Contract-Based Incentive Mechanism for Heterogeneous Edge Collaborative Training. IEEE Transactions on Network Science and Engineering, 2022, 9, 2895-2909.	4.1	0

	Сітатіс	on Report	
# 407	ARTICLE KafkaFed: Two-Tier Federated Learning Communication Architecture for Internet of Vehicles. , 2022, , .	IF	Citations
408	Federated Learning for the Internet of Things: Applications, Challenges, and Opportunities. IEEE Internet of Things Magazine, 2022, 5, 24-29.	2.0	74
409	Toward Scalable and Robust AloT via Decentralized Federated Learning. IEEE Internet of Things Magazine, 2022, 5, 30-35.	2.0	5
410	Federated Learning and catastrophic forgetting in pervasive computing: demonstration in HAR domain. , 2022, , .		1
411	Distributed consensus problem with caching on federated learning framework. International Journal of Distributed Sensor Networks, 2022, 18, 155013292210929.	1.3	0
412	A Fairness-Aware Peer-to-Peer Decentralized Learning Framework with Heterogeneous Devices. Future Internet, 2022, 14, 138.	2.4	4
413	FEAR: Federated Cyber-Attack Reaction in Distributed Software-Defined Networks with Deep Q-Network. , 2022, , .		0
414	Communication-Efficient Online Federated Learning Framework for Nonlinear Regression. , 2022, , .		7
415	Federated Stochastic Gradient Descent Begets Self-Induced Momentum. , 2022, , .		1
416	A state-of-the-art survey on solving non-IID data in Federated Learning. Future Generation Computer Systems, 2022, 135, 244-258.	4.9	61
417	Train Me If You Can: Decentralized Learning on the Deep Edge. Applied Sciences (Switzerland), 2022, 12, 4653.	1.3	6
418	OpenComm: Open community platform for data integration and privacy preserving for 311 calls. Sustainable Cities and Society, 2022, 83, 103858.	5.1	1
419	Orbital collaborative learning in 6G space-air-ground integrated networks. Neurocomputing, 2022, 497, 94-109.	3.5	32
420	Blockchain-Enabled Federated Learning for UAV Edge Computing Network: Issues and Solutions. IEEE Access, 2022, 10, 56591-56610.	2.6	21
421	WSCC: A Weight-Similarity-Based Client Clustering Approach for Non-IID Federated Learning. IEEE Internet of Things Journal, 2022, 9, 20243-20256.	5.5	25
423	Joint Client Selection and Resource Allocation for Federated Learning in Mobile Edge Networks. , 2022, , .		2
424	Probabilistic Node Selection for Federated Learning with Heterogeneous Data in Mobile Edge. , 2022, , .		1
425	Semi-Decentralized Federated Edge Learning for Fast Convergence on Non-IID Data. , 2022, , .		13

#	Article	IF	CITATIONS
426	Optimize Coding and Node Selection for Coded Distributed Computing over Wireless Edge Networks. , 2022, , .		1
427	Towards Efficient Synchronous Federated Training: A Survey on System Optimization Strategies. IEEE Transactions on Big Data, 2023, 9, 437-454.	4.4	4
428	Machine learning techniques in emerging cloud computing integrated paradigms: A survey and taxonomy. Journal of Network and Computer Applications, 2022, 205, 103419.	5.8	27
429	Proactive Network Fault Management for Reliable Subscribed Network Slicing in Software-Defined Mobile Data IoT Services. Scientific Programming, 2022, 2022, 1-11.	0.5	1
430	Fusion of Federated Learning and Industrial Internet of Things: A survey. Computer Networks, 2022, 212, 109048.	3.2	46
431	Incentive Mechanisms for Federated Learning: From Economic and Game Theoretic Perspective. IEEE Transactions on Cognitive Communications and Networking, 2022, 8, 1566-1593.	4.9	36
432	μDFL: A Secure Microchained Decentralized Federated Learning Fabric Atop IoT Networks. IEEE Transactions on Network and Service Management, 2022, 19, 2677-2688.	3.2	15
433	Federated Learning Framework with Straggling Mitigation and Privacy-Awareness for AI-based Mobile Application Services. IEEE Transactions on Mobile Computing, 2022, , 1-1.	3.9	2
434	SplitPlace: AI Augmented Splitting and Placement of Large-Scale Neural Networks in Mobile Edge Environments. IEEE Transactions on Mobile Computing, 2023, 22, 5539-5554.	3.9	8
435	A novel decentralized federated learning approach to train on globally distributed, poor quality, and protected private medical data. Scientific Reports, 2022, 12, .	1.6	16
436	STROVE: spatial data infrastructure enabled cloud–fog–edge computing framework for combating COVID-19 pandemic. Innovations in Systems and Software Engineering, 0, , .	1.6	5
437	Federated Learning for Smart Healthcare: A Survey. ACM Computing Surveys, 2023, 55, 1-37.	16.1	147
438	Distributed Consensus Problem in Federated Learning Paradigm. , 2021, , .		0
439	Joint Device Selection and Power Control for Wireless Federated Learning. IEEE Journal on Selected Areas in Communications, 2022, 40, 2395-2410.	9.7	13
440	Analog MIMO Communication for One-Shot Distributed Principal Component Analysis. IEEE Transactions on Signal Processing, 2022, 70, 3328-3342.	3.2	1
441	Toward Secure Federated Learning for IoT Using DRL-Enabled Reputation Mechanism. IEEE Internet of Things Journal, 2022, 9, 21971-21983.	5.5	5
442	Toward Digital Twin Oriented Modeling of Complex Networked Systems and Their Dynamics: A Comprehensive Survey. IEEE Access, 2022, 10, 66886-66923.	2.6	9
443	Sandbox Computing: A Data Privacy Trusted Sharing Paradigm via Blockchain and Federated Learning. IEEE Transactions on Computers, 2022, , 1-12.	2.4	3

#	Article	IF	CITATIONS
444	NttpFL: Privacy-Preserving Oriented No Trusted Third Party Federated Learning System Based on Blockchain. IEEE Transactions on Network and Service Management, 2022, 19, 3750-3763.	3.2	3
445	Transfer Learning for Wireless Networks: A Comprehensive Survey. Proceedings of the IEEE, 2022, 110, 1073-1115.	16.4	28
446	Anonymous and Efficient Authentication Scheme for Privacy-Preserving Distributed Learning. IEEE Transactions on Information Forensics and Security, 2022, 17, 2227-2240.	4.5	14
447	Auction-Promoted Trading for Multiple Federated Learning Services in UAV-Aided Networks. IEEE Transactions on Vehicular Technology, 2022, 71, 10960-10974.	3.9	5
448	FLAS: A Platform forÂStudying Attacks onÂFederated Learning. Lecture Notes in Computer Science, 2022, , 160-169.	1.0	0
449	Resource Consumption for Supporting Federated Learning in Wireless Networks. IEEE Transactions on Wireless Communications, 2022, 21, 9974-9989.	6.1	7
450	Vertical Federated Edge Learning With Distributed Integrated Sensing and Communication. IEEE Communications Letters, 2022, 26, 2091-2095.	2.5	13
451	Optimizing Edge-Cloud Cooperation for Machine Learning Accuracy Considering Transmission Latency and Bandwidth Congestion. , 2022, , .		3
452	Federated Learning Empowered Edge Collaborative Content Caching Mechanism for Internet of Vehicles. , 2022, , .		2
453	Federated Learning Driven Secure Internet of Medical Things. IEEE Wireless Communications, 2022, 29, 68-75.	6.6	10
454	A Profit-Maximizing Model Marketplace with Differentially Private Federated Learning. , 2022, , .		6
455	Semi-Federated Learning: An Integrated Framework for Pervasive Intelligence in 6G Networks. , 2022, , .		3
456	Online Model Updating with Analog Aggregation in Wireless Edge Learning. , 2022, , .		4
457	Unsupervised Bias Evaluation of DNNs in non-IID Federated Learning Through Latent micro-Manifolds. , 2022, , .		3
458	VSiM: Improving QoE Fairness for Video Streaming in Mobile Environments. , 2022, , .		9
459	Optimal Rate Adaption in Federated Learning with Compressed Communications. , 2022, , .		16
460	Fed-GBM. , 2022, , .		2
461	Integration of Blockchain Technology and Federated Learning in Vehicular (IoT) Networks: A Comprehensive Survey. Sensors, 2022, 22, 4394.	2.1	66

#	Article	IF	CITATIONS
462	Memory-efficient DNN training on mobile devices. , 2022, , .		6
463	A Comprehensive Survey of Digital Twins and Federated Learning for Industrial Internet of Things (IIoT), Internet of Vehicles (IoV) and Internet of Drones (IoD). Applied System Innovation, 2022, 5, 56.	2.7	24
464	Distributed LSTM-based cloud resource allocation in Network Function Virtualization Architectures. Computer Networks, 2022, 213, 109111.	3.2	9
465	FedNKD: A Dependable Federated Learning Using Fine-tuned Random Noise and Knowledge Distillation. , 2022, , .		3
466	FIDChain: Federated Intrusion Detection System for Blockchain-Enabled IoT Healthcare Applications. Healthcare (Switzerland), 2022, 10, 1110.	1.0	22
467	Weighted Averaging Federated Learning Based on Example Forgetting Events in Label Imbalanced Non-IID. Applied Sciences (Switzerland), 2022, 12, 5806.	1.3	6
468	Paving the Way for Distributed Artificial Intelligence Over the Air. IEEE Open Journal of the Communications Society, 2022, 3, 1103-1118.	4.4	2
469	In-Network Computation for Large-Scale Federated Learning Over Wireless Edge Networks. IEEE Transactions on Mobile Computing, 2023, 22, 5918-5932.	3.9	2
470	Integrating Edge Intelligence and Blockchain: What, Why, and How. IEEE Communications Surveys and Tutorials, 2022, 24, 2193-2229.	24.8	13
471	Federated Analytics Informed Distributed Industrial IoT Learning with Non-IID Data. IEEE Transactions on Network Science and Engineering, 2022, , 1-15.	4.1	0
472	Worker-Centric Model Allocation for Federated Learning in Mobile Edge Computing. IEEE Transactions on Green Communications and Networking, 2023, 7, 869-880.	3.5	2
473	Collaborative Sensing in Internet of Things: A Comprehensive Survey. IEEE Communications Surveys and Tutorials, 2022, 24, 1435-1474.	24.8	52
474	Time-Triggered Federated Learning Over Wireless Networks. IEEE Transactions on Wireless Communications, 2022, 21, 11066-11079.	6.1	6
475	Efficient poisoning attacks and defenses for unlabeled data in DDoS prediction of intelligent transportation systems. , 2022, 1, 2022003.		0
476	FastSlowMo: Federated Learning With Combined Worker and Aggregator Momenta. IEEE Transactions on Artificial Intelligence, 2022, , 1-10.	3.4	1
479	Unsupervised Recurrent Federated Learning for Edge Popularity Prediction in Privacy-Preserving Mobile-Edge Computing Networks. IEEE Internet of Things Journal, 2022, 9, 24328-24345.	5.5	11
480	Adaptive Control of Local Updating and Model Compression for Efficient Federated Learning. IEEE Transactions on Mobile Computing, 2023, 22, 5675-5689.	3.9	8
481	Class-Imbalance Privacy-Preserving Federated Learning for Decentralized Fault Diagnosis With Biometric Authentication. IEEE Transactions on Industrial Informatics. 2022. 18. 9101-9111.	7.2	46

#	Article	IF	CITATIONS
482	HCFL: A High Compression Approach for Communication-Efficient Federated Learning in Very Large Scale IoT Networks. IEEE Transactions on Mobile Computing, 2022, , 1-13.	3.9	4
483	Collaborative and Incremental Learning for Modulation Classification With Heterogeneous Local Dataset in Cognitive IoT. IEEE Transactions on Green Communications and Networking, 2023, 7, 881-893.	3.5	1
484	Federated-Learning-Aided Next-Generation Edge Networks for Intelligent Services. IEEE Network, 2022, 36, 56-64.	4.9	5
485	Resource Consumption for Supporting Federated Learning Enabled Network Edge Intelligence. , 2022, ,		1
486	Accelerating Blockchain-enabled Distributed Machine Learning by Proof of Useful Work. , 2022, , .		0
487	N-FedAvg: Novel Federated Average Algorithm Based on FedAvg. , 2022, , .		3
488	FedHGCDroid: An Adaptive Multi-Dimensional Federated Learning for Privacy-Preserving Android Malware Classification. Entropy, 2022, 24, 919.	1.1	6
489	Computing in the Sky: A Survey on Intelligent Ubiquitous Computing for UAV-Assisted 6G Networks and Industry 4.0/5.0. Drones, 2022, 6, 177.	2.7	54
490	MGM-4-FL: Combining federated learning and model gossiping in WSNs. Computer Networks, 2022, 214, 109144.	3.2	3
491	Optimal and Effective Resource Management in Edge Computing. Computer Systems Science and Engineering, 2023, 44, 1201-1217.	1.9	0
492	What is Semantic Communication? A View on Conveying Meaning in the Era of Machine Intelligence. Journal of Communications and Information Networks, 2021, 6, 336-371.	3.5	63
493	Framework for Trustworthy Al/ML in B5G/6G. , 2022, , .		2
494	Lead federated neuromorphic learning for wireless edge artificial intelligence. Nature Communications, 2022, 13, .	5.8	24
495	VFedCS: Optimizing Client Selection for Volatile Federated Learning. IEEE Internet of Things Journal, 2022, 9, 24995-25010.	5.5	6
496	Afl-Dag: Asynchronous Federated Learning with Directed Acyclic Graph-Based Blockchain in Edge Computing. SSRN Electronic Journal, 0, , .	0.4	0
497	Privacy-aware Methods for Data Sharing between Autonomous Vehicles*. IFAC-PapersOnLine, 2022, 55, 7-13.	O.5	0
498	A Glimpse of Physical Layer Decision Mechanisms: Facts, Challenges, and Remedies. IEEE Open Journal of the Communications Society, 2022, 3, 1280-1294.	4.4	0
499	Dynamic User-Scheduling and Power Allocation for SWIPT Aided Federated Learning: A Deep Learning Approach. IEEE Transactions on Mobile Computing, 2023, 22, 6956-6969.	3.9	5

#	Article	IF	CITATIONS
500	Collaborative Edge Caching with Personalized Modeling of Content Popularity over Indoor Mobile Social Networks. , 2022, , .		0
501	Evolutionary Model Owner Selection for Federated Learning with Heterogeneous Privacy Budgets. , 2022, , .		0
502	Asynchronous Semi-Decentralized Federated Edge Learning for Heterogeneous Clients. , 2022, , .		1
503	Client Discovery and Data Exchange in Edge-based Federated Learning via Named Data Networking. , 2022, , .		2
504	Hierarchical Over-the-Air Federated Edge Learning. , 2022, , .		11
505	Scalable federated machine learning with FEDn. , 2022, , .		13
506	TinyMLOps: Operational Challenges for Widespread Edge Al Adoption. , 2022, , .		3
507	Decentralized Data Allocation via Local Benchmarking for Parallelized Mobile Edge Learning. , 2022, , .		1
508	Secure Federated Learning for IoT using DRL-based Trust Mechanism. , 2022, , .		4
509	In-Network Caching and Learning Optimization for Federated Learning in Mobile Edge Networks. , 2022, , .		0
510	Federated Learning for Anomaly Detection: A Case of Real-World Energy Storage Deployment. , 2022, , .		3
511	FedSA: Accelerating Intrusion Detection in Collaborative Environments with Federated Simulated Annealing. , 2022, , .		2
512	Decentralized Federated Learning for Nonintrusive Load Monitoring in Smart Energy Communities. , 2022, , .		8
513	Task Scheduling with Collaborative Computing of MEC System Based on Federated Learning. , 2022, , .		1
514	Ensemble-Based Distributed Learning for Generative Adversarial Networks. , 2022, , .		0
515	A Communication-efficient Semi Asynchronous Federated Learning Network in Power Grid. , 2022, , .		0
516	Lightweight Digital Twin and Federated Learning with Distributed Incentive in Air-Ground 6G Networks. , 2022, , .		3
517	Distributed Optimization for Mixed-Integer Consensus in Multi-Agent Networks. , 2022, , .		3

#	Article	IF	CITATIONS
518	A Weighted Average Consensus Approach for Decentralized Federated Learning. , 2022, 19, 319-330.		10
519	Analysis on Security and Privacy-preserving in Federated Learning. , 0, 4, 349-358.		0
520	DRL-based Federated Learning Node Selection Algorithm for Mobile Edge Networks. , 2022, , .		1
521	Combined Federated and Split Learning in Edge Computing for Ubiquitous Intelligence in Internet of Things: State-of-the-Art and Future Directions. Sensors, 2022, 22, 5983.	2.1	25
522	Secured Optimized Resource Allocation in Mobile Edge Computing. Mobile Information Systems, 2022, 2022, 1-14.	0.4	1
523	Aggregation Strategy on Federated Machine Learning Algorithm for Collaborative Predictive Maintenance. Sensors, 2022, 22, 6252.	2.1	12
524	Federated learning-based AI approaches in smart healthcare: concepts, taxonomies, challenges and open issues. Cluster Computing, 2023, 26, 2271-2311.	3.5	49
525	Federated Learning and Its Role in the Privacy Preservation of IoT Devices. Future Internet, 2022, 14, 246.	2.4	23
526	Federated learning review: Fundamentals, enabling technologies, and future applications. Information Processing and Management, 2022, 59, 103061.	5.4	123
527	Non-IID data and Continual Learning processes in Federated Learning: A long road ahead. Information Fusion, 2022, 88, 263-280.	11.7	24
528	Prospective for urban informatics. , 2022, 1, .		3
529	Federated Learning for intrusion detection system: Concepts, challenges and future directions. Computer Communications, 2022, 195, 346-361.	3.1	61
530	Intelligent authentication of 5G healthcare devices: A survey. Internet of Things (Netherlands), 2022, 20, 100610.	4.9	26
531	AFAFed—Asynchronous Fair Adaptive Federated learning for IoT stream applications. Computer Communications, 2022, 195, 376-402.	3.1	5
532	Pervasive AI for IoT Applications: A Survey on Resource-Efficient Distributed Artificial Intelligence. IEEE Communications Surveys and Tutorials, 2022, 24, 2366-2418.	24.8	29
533	A Survey on Mobility of Edge Computing Networks in IoT: State-of-the-Art, Architectures, and Challenges. IEEE Communications Surveys and Tutorials, 2022, 24, 2329-2365.	24.8	16
534	An Analysis ofÂByzantine-Tolerant Aggregation Mechanisms onÂModel Poisoning inÂFederated Learning. Lecture Notes in Computer Science, 2022, , 143-155.	1.0	0
535	Overview of Edge Intelligence and Blockchain. Wireless Networks, 2022, , 9-31.	0.3	0

#	Article	IF	CITATIONS
536	Distributed Online Learning for Coexistence in Cognitive Radar Networks. IEEE Transactions on Aerospace and Electronic Systems, 2022, , 1-14.	2.6	6
537	Machine and Deep Learning for Resource Allocation in Multi-Access Edge Computing: A Survey. IEEE Communications Surveys and Tutorials, 2022, 24, 2449-2494.	24.8	19
538	Federated Learning With Nesterov Accelerated Gradient. IEEE Transactions on Parallel and Distributed Systems, 2022, 33, 4863-4873.	4.0	6
539	Deep Reinforcement Learning for Mobile Edge Computing Systems. Wireless Networks, 2022, , 175-201.	0.3	0
540	Securing Federated Learning: A Covert Communication-Based Approach. IEEE Network, 2023, 37, 118-124.	4.9	7
541	Deep Transfer Learning: A Novel Collaborative Learning Model for Cyberattack Detection Systems in IoT Networks. IEEE Internet of Things Journal, 2023, 10, 8578-8589.	5.5	6
542	Collaborative Federated Learning for Healthcare: Multi-Modal COVID-19 Diagnosis at the Edge. IEEE Open Journal of the Computer Society, 2022, 3, 172-184.	5.2	72
543	Data Distribution-Aware Online Client Selection Algorithm for Federated Learning in Heterogeneous Networks. IEEE Transactions on Vehicular Technology, 2023, 72, 1127-1136.	3.9	5
544	FedTwin: Blockchain-Enabled Adaptive Asynchronous Federated Learning for Digital Twin Networks. IEEE Network, 2022, 36, 183-190.	4.9	20
545	Virtual Experience-Based Mobile Device Selection Algorithm for Federated Learning. IEEE Systems Journal, 2022, , 1-10.	2.9	0
546	FedMarket: A Cryptocurrency Driven Marketplace for Mobile Federated Learning Services. IEEE Access, 2022, 10, 87602-87616.	2.6	1
547	Privacy-Preserving Federated Learning for Value-Added Service Model in Advanced Metering Infrastructure. IEEE Transactions on Computational Social Systems, 2024, 11, 117-131.	3.2	6
548	Knowledge-Guided Learning for Transceiver Design in Over-the-Air Federated Learning. IEEE Transactions on Wireless Communications, 2023, 22, 270-285.	6.1	11
549	Adoption of Federated Learning for Healthcare Informatics: Emerging Applications and Future Directions. IEEE Access, 2022, 10, 90792-90826.	2.6	18
550	Reconfigurable Intelligent Surface-Enabled Federated Learning for Power-Constrained Devices. IEEE Communications Letters, 2022, 26, 2725-2729.	2.5	3
551	Edge Computing for Internet of Everything: A Survey. IEEE Internet of Things Journal, 2022, 9, 23472-23485.	5.5	50
552	Semi-Supervised Federated Learning Over Heterogeneous Wireless IoT Edge Networks: Framework and Algorithms. IEEE Internet of Things Journal, 2022, 9, 25626-25642.	5.5	5
553	Evolutionary Edge Association and Auction in Hierarchical Federated Learning. Wireless Networks, 2022, , 117-145.	0.3	0

#	Article	IF	CITATIONS
554	Partially Collaborative Edge Caching Based on Federated Deep Reinforcement Learning. IEEE Transactions on Vehicular Technology, 2023, 72, 1389-1394.	3.9	2
555	FEAT: A Federated Approach for Privacy-Preserving Network Traffic Classification in Heterogeneous Environments. IEEE Internet of Things Journal, 2023, 10, 1274-1285.	5.5	4
556	On the Convergence of Multi-Server Federated Learning with Overlapping Area. IEEE Transactions on Mobile Computing, 2022, , 1-15.	3.9	3
557	Time is Gold: A Time-Dependent Incentive Mechanism Design for Fast Federated Learning. , 2022, , .		0
558	Two-Phase Deep Reinforcement Learning of Dynamic Resource Allocation and Client Selection for Hierarchical Federated Learning. , 2022, , .		3
559	ASSERT: A Blockchain-Based Architectural Approach for Engineering Secure Self-Adaptive IoT Systems. Sensors, 2022, 22, 6842.	2.1	7
560	Preventing COVID-19 Using Edge Intelligence in Internet of Medical Things. Lecture Notes in Networks and Systems, 2023, , 213-227.	0.5	0
561	Analysis and evaluation of synchronous and asynchronous FLchain. Computer Networks, 2022, 218, 109390.	3.2	2
562	An artificial intelligence diabetes management architecture based on 5G. Digital Communications and Networks, 2024, 10, 75-82.	2.7	0
563	Federated Learning for Edge Computing: A Survey. Applied Sciences (Switzerland), 2022, 12, 9124.	1.3	21
564	Regional Financial Data Processing Based on Distributed Decoding Technology. Security and Communication Networks, 2022, 2022, 1-8.	1.0	2
565	Secure Smart Communication Efficiency in Federated Learning: Achievements and Challenges. Applied Sciences (Switzerland), 2022, 12, 8980.	1.3	15
566	Applications in AloT: Federated Distributed Learning for Edge IoT. Springer Series in Wireless Technology, 2023, , 311-330.	1.1	0
567	Accelerating model synchronization for distributed machine learning in an optical wide area network. Journal of Optical Communications and Networking, 2022, 14, 852.	3.3	1
568	A deep and systematic review of the intrusion detection systems in the fog environment. Transactions on Emerging Telecommunications Technologies, 2023, 34, .	2.6	8
569	Toward Collaborative Intelligence in IoV Systems: Recent Advances and Open Issues. Sensors, 2022, 22, 6995.	2.1	6
570	Dynamic mode selection and resource allocation approach for 5G-vehicle-to-everything (V2X) communication using asynchronous federated deep reinforcement learning method. Vehicular Communications, 2022, 38, 100532.	2.7	3
571	Federated learning for energy constrained devices: a systematic mapping study. Cluster Computing, 2023, 26, 1685-1708.	3.5	3

#	Article	IF	CITATIONS
572	Application of Federated Learning Approaches for Time-Series Classification in eHealth Domain. Procedia Computer Science, 2022, 207, 3545-3552.	1.2	1
573	Distributed Reconfigurable Intelligent Surfaces for Energy-Efficient Indoor Terahertz Wireless Communications. IEEE Internet of Things Journal, 2023, 10, 2728-2742.	5.5	9
574	A Federated Learning Framework for Fingerprinting-Based Indoor Localization in Multibuilding and Multifloor Environments. IEEE Internet of Things Journal, 2023, 10, 2615-2629.	5.5	8
575	Federated Learning and Edge Collaboration Empowered Service Provision Method for Mobile Terminals. Lecture Notes in Electrical Engineering, 2022, , 254-264.	0.3	Ο
576	Online Client Selection for Asynchronous Federated Learning With Fairness Consideration. IEEE Transactions on Wireless Communications, 2023, 22, 2493-2506.	6.1	12
577	A Hybrid CNN-LSTM Architecture for High Accurate Edge-Assisted Bandwidth Prediction. IEEE Wireless Communications Letters, 2022, , 1-1.	3.2	Ο
578	Deep Incremental Learning for Personalized Human Activity Recognition on Edge Devices. Canadian Journal of Electrical and Computer Engineering, 2022, 45, 215-221.	1.5	1
579	Edge Computing for Critical Infrastructure Delay Sensitive Applications: Current Trends and Future Directions. , 2022, , .		Ο
580	A Federated Learning Framework for Resource Constrained Fog Networks. , 2022, , .		0
581	Lagrange Coded Federated Learning (L-CoFL) Model for Internet of Vehicles. , 2022, , .		1
582	Accelerate Federated Learning of Big Data Analysis Through Distillation and Coupled Gradient Methods. , 2022, , .		1
583	ContextFL: Context-aware Federated Learning by Estimating the Training and Reporting Phases of Mobile Clients. , 2022, , .		7
584	HPFL-CN: Communication-Efficient Hierarchical Personalized Federated Edge Learning via Complex Network Feature Clustering. , 2022, , .		4
585	A review on edge analytics: Issues, challenges, opportunities, promises, future directions, and applications. Digital Communications and Networks, 2022, , .	2.7	8
586	A Survey on Integrated Sensing, Communication, and Computing Networks for Smart Oceans. Journal of Sensor and Actuator Networks, 2022, 11, 70.	2.3	3
587	Edge-assisted Gossiping Learning: Leveraging V2V Communications Between Connected Vehicles. , 2022, , .		1
588	Resource management at the network edge for federated learning. Digital Communications and Networks, 2022, , .	2.7	5
589	FedMC: Federated Reinforcement Learning on the Edge with Meta-Critic Networks. , 2022, , .		Ο

#	Article	IF	CITATIONS
590	Evaluation and comparison of federated learning algorithms for Human Activity Recognition on smartphones. Pervasive and Mobile Computing, 2022, 87, 101714.	2.1	5
591	Distributed Mechanism Design in Continuous Space for Federated Learning Over Vehicular Networks. IEEE Transactions on Vehicular Technology, 2023, 72, 4196-4206.	3.9	1
592	A Full Dive Into Realizing the Edge-Enabled Metaverse: Visions, Enabling Technologies, and Challenges. IEEE Communications Surveys and Tutorials, 2023, 25, 656-700.	24.8	116
593	Communication-Efficient Online Federated Learning Strategies for Kernel Regression. IEEE Internet of Things Journal, 2023, 10, 4531-4544.	5.5	4
594	Misbehavior Detection in Vehicular Ad Hoc Networks Based on Privacy-Preserving Federated Learning and Blockchain. IEEE Transactions on Network and Service Management, 2022, 19, 3936-3948.	3.2	3
595	Elastic Resource Allocation for Coded Distributed Computing Over Heterogeneous Wireless Edge Networks. IEEE Transactions on Wireless Communications, 2023, 22, 2636-2649.	6.1	2
596	Coordinated Scheduling and Decentralized Federated Learning Using Conflict Clustering Graphs in Fog-Assisted IoD Networks. IEEE Transactions on Vehicular Technology, 2023, 72, 3455-3472.	3.9	1
597	Lightweight Digital Twin and Federated Learning With Distributed Incentive in Air-Ground 6G Networks. IEEE Transactions on Network Science and Engineering, 2023, 10, 1214-1227.	4.1	4
598	Optimized Data Sampling and Energy Consumption in IIoT: A Federated Learning Approach. IEEE Transactions on Communications, 2022, , 1-1.	4.9	0
599	A Cooperative Federated Learning Mechanism for Collision Avoidance using Cellular and 802.11p based Radios Opportunistically. , 2021, , .		0
600	On Leveraging FemtoClouds for Federated Learning. IEEE Internet of Things Magazine, 2022, 5, 68-75.	2.0	2
601	Using Al and IoT at the Edge of the network. , 2022, , .		0
602	FFD: A Full-Stack Federated Distillation method for Heterogeneous Massive IoT Networks. , 2022, , .		0
603	Review on application progress of federated learning model and security hazard protection. Digital Communications and Networks, 2023, 9, 146-158.	2.7	4
604	Blockchain-empowered Federated Learning: Challenges, Solutions, and Future Directions. ACM Computing Surveys, 2023, 55, 1-31.	16.1	42
605	Manufacturing Data Privacy Protection System for Secure Predictive Maintenance. , 2022, , .		0
606	Free-Rider Games for Federated Learning with Selfish Clients in NextG Wireless Networks. , 2022, , .		5
607	Communication-efficient semi-synchronous hierarchical federated learning with balanced training in heterogeneous IoT edge environments. Internet of Things (Netherlands), 2023, 21, 100642.	4.9	5

#	Article	IF	CITATIONS
608	Insights into Multi-Model Federated Learning: An Advanced Approach for Air Quality Index Forecasting. Algorithms, 2022, 15, 434.	1.2	4
609	A Comparative Study ofÂFederated Versus Centralized Learning forÂTime Series Prediction inÂloT. Lecture Notes in Computer Science, 2022, , 297-311.	1.0	Ο
610	Cross-FCL: Toward a Cross-edge Federated Continual Learning Framework in Mobile Edge Computing Systems. IEEE Transactions on Mobile Computing, 2022, , 1-15.	3.9	0
611	Privacy Preservation for Federated Learning With Robust Aggregation in Edge Computing. IEEE Internet of Things Journal, 2023, 10, 7343-7355.	5.5	5
612	Semi-Asynchronous Hierarchical Federated Learning Over Mobile Edge Networks. IEEE Access, 2023, 11, 18887-18899.	2.6	2
613	VOSA: Verifiable and Oblivious Secure Aggregation for Privacy-Preserving Federated Learning. IEEE Transactions on Dependable and Secure Computing, 2023, 20, 3601-3616.	3.7	1
614	Reinforcement Learning-Based Physical Cross-Layer Security and Privacy in 6G. IEEE Communications Surveys and Tutorials, 2023, 25, 425-466.	24.8	21
615	Edge–Cloud Co-Evolutionary Algorithms for Distributed Data-Driven Optimization Problems. IEEE Transactions on Cybernetics, 2023, 53, 6598-6611.	6.2	13
616	Federated Reinforcement Learning-Based Resource Allocation for D2D-Aided Digital Twin Edge Networks in 6G Industrial IoT. IEEE Transactions on Industrial Informatics, 2023, 19, 7228-7236.	7.2	10
617	Synchronous Federated Learning Latency Optimization Based onÂModel Splitting. Lecture Notes in Computer Science, 2022, , 495-506.	1.0	0
618	Spotting Anomalies at the Edge: Outlier Exposure-Based Cross-Silo Federated Learning for DDoS Detection. IEEE Transactions on Dependable and Secure Computing, 2023, 20, 4002-4015.	3.7	1
619	Multicore Federated Learning for Mobile-Edge Computing Platforms. IEEE Internet of Things Journal, 2023, 10, 5940-5952.	5.5	0
620	Distributed Over-the-Air Computing for Fast Distributed Optimization: Beamforming Design and Convergence Analysis. IEEE Journal on Selected Areas in Communications, 2023, 41, 274-287.	9.7	3
621	Deep Reinforcement Learning Based Resource Allocation in Multi-UAV-Aided MEC Networks. IEEE Transactions on Communications, 2023, 71, 296-309.	4.9	13
622	Privacy-Preserving Intelligent Resource Allocation for Federated Edge Learning in Quantum Internet. IEEE Journal on Selected Topics in Signal Processing, 2023, 17, 142-157.	7.3	6
623	A Survey of Blockchain and Intelligent Networking for the Metaverse. IEEE Internet of Things Journal, 2023, 10, 3587-3610.	5.5	50
624	Mobility-aware and Privacy-protecting QoS Optimization in Mobile Edge Networks. IEEE Transactions on Mobile Computing, 2022, , 1-17.	3.9	1
625	Resource Scheduling of Time-Sensitive Services for B5G/6G Connected Automated Vehicles. IEEE Internet of Things Journal, 2023, 10, 14820-14833.	5.5	8

#	Article	IF	CITATIONS
626	Performance Analysis of Large Intelligent Surfaces in Dense Millimeter-Wave Deployment. , 2022, , .		1
627	Learning while Respecting Privacy and Robustness to Adversarial Distributed Datasets. , 2022, , .		0
628	Differentially Private Federated Learning in Edge Networks: The Perspective of Noise Reduction. IEEE Network, 2022, 36, 167-172.	4.9	3
629	Privacy-Preserving Viewport Prediction using Federated Learning for 360Å $^{\circ}$ Live Video Streaming. , 2022, , ,		2
630	Federated Learning for Air Quality Index Prediction: An Overview. , 2022, , .		1
631	Federated Learning via Local Update with Uploading Zone. , 2022, , .		0
632	HSFL: An Efficient Split Federated Learning Framework via Hierarchical Organization. , 2022, , .		4
633	A Federated Learning Approach for Water Distribution Networks Monitoring. , 2022, , .		0
634	MCORANFed: Communication Efficient Federated Learning in Open RAN. , 2022, , .		1
636	Security provisions in smart edge computing devices using blockchain and machine learning algorithms: a novel approach. Cluster Computing, 2024, 27, 27-52.	3.5	1
637	Secure Federated Learning. , 2023, , 165-212.		0
638	SHFL: K-Anonymity-Based Secure Hierarchical Federated Learning Framework for Smart Healthcare Systems. Future Internet, 2022, 14, 338.	2.4	3
640	When machine learning meets Network Management and Orchestration in Edge-based networking paradigms. Journal of Network and Computer Applications, 2023, 212, 103558.	5.8	11
641	Deep Learning in Diverse Intelligent Sensor Based Systems. Sensors, 2023, 23, 62.	2.1	7
642	Towards predicting client benefit and contribution in federated learning from data imbalance. , 2022, ,		0
643	Deep reinforcement learningâ€based joint optimization of computation offloading and resource allocation in Fâ€RAN. IET Communications, 2023, 17, 549-564.	1.5	6
644	Federated learning in cloud-edge collaborative architecture: key technologies, applications and challenges. Journal of Cloud Computing: Advances, Systems and Applications, 2022, 11, .	2.1	11
646	PPSS: A privacy-preserving secure framework using blockchain-enabled federated deep learning for Industrial IoTs. Pervasive and Mobile Computing, 2023, 88, 101738.	2.1	6

#	Article	IF	CITATIONS
647	Blockchainâ€based multiâ€layered federated extreme learning networks in connected vehicles. Expert Systems, 2023, 40, .	2.9	2
648	Personalized Federated Learning via Domain Adaptation with an Application to Distributed 3D Printing. Technometrics, 2023, 65, 328-339.	1.3	2
649	AsyFed: Accelerated Federated Learning With Asynchronous Communication Mechanism. IEEE Internet of Things Journal, 2023, 10, 8670-8683.	5.5	1
650	Automated Exploration and Implementation of Distributed CNN Inference at the Edge. IEEE Internet of Things Journal, 2023, 10, 5843-5858.	5.5	2
651	Generalizing intrusion detection for heterogeneous networks: A stacked-unsupervised federated learning approach. Computers and Security, 2023, 127, 103106.	4.0	19
652	Federated Learning as a Privacy Solution - An Overview. Procedia Computer Science, 2023, 217, 316-325.	1.2	8
653	BiLSTM-based Federated Learning Computation Offloading and Resource Allocation AlgorithmÂin MEC. ACM Transactions on Sensor Networks, 2023, 19, 1-20.	2.3	0
654	Scalable and interoperable edge-based federated learning in IoT contexts. Computer Networks, 2023, 223, 109576.	3.2	7
655	Latency-Oriented Secure Wireless Federated Learning: A Channel-Sharing Approach With Artificial Jamming. IEEE Internet of Things Journal, 2023, 10, 9675-9689.	5.5	1
656	Delay-Tolerant Distributed Algorithms for Decision-Making in Vehicular Networks. Asia-Pacific Journal of Operational Research, 2023, 40, .	0.9	3
657	SemiPFL: Personalized Semi-Supervised Federated Learning Framework for Edge Intelligence. IEEE Internet of Things Journal, 2023, , 1-1.	5.5	2
658	A Random Forest Approach to Body Motion Detection: Multisensory Fusion and Edge Processing. IEEE Sensors Journal, 2023, 23, 3801-3814.	2.4	7
659	Enhancing Federated Learning With Spectrum Allocation Optimization and Device Selection. IEEE/ACM Transactions on Networking, 2023, 31, 1981-1996.	2.6	2
660	Time-sensitive Learning for Heterogeneous Federated Edge Intelligence. IEEE Transactions on Mobile Computing, 2023, , 1-18.	3.9	4
661	Federated learning for smart cities: A comprehensive survey. Sustainable Energy Technologies and Assessments, 2023, 55, 102987.	1.7	40
662	Leveraging heuristic client selection for enhanced secure federated submodel learning. Information Processing and Management, 2023, 60, 103211.	5.4	1
663	Federated Deep Reinforcement Learning for THz-Beam Search with Limited CSI. , 2022, , .		2
664	Shrink AutoEncoder for Federated Learning-based IoT Anomaly Detection. , 2022, , .		1

#	Article	IF	Citations
665	Cost-Aware Hierarchical Federated Learning via Over-the-Air Computing. , 2022, , .		0
666	Hierarchical Federated Learning with Adaptive Clustering on Non-IID Data. , 2022, , .		1
668	How to Launch Jamming Attacks on Federated Learning in NextG Wireless Networks. , 2022, , .		3
669	BigMEC: Scalable Service Migration for Mobile Edge Computing. , 2022, , .		0
670	A Study on Multi-Antenna and Pertinent Technologies with AI/ML Approaches for B5G/6G Networks. Electronics (Switzerland), 2023, 12, 189.	1.8	14
671	Personalized Online Federated Learning for IoT/CPS: Challenges and Future Directions. IEEE Internet of Things Magazine, 2022, 5, 78-84.	2.0	5
672	Elastic Optimized Edge Federated Learning. , 2022, , .		0
673	FedDBG: Privacy-Preserving Dynamic Benchmark Gradient in Federated Learning Against Poisoning Attacks. , 2022, , .		0
674	Resource and Heterogeneity-aware Clients Eligibility Protocol in Federated Learning. , 2022, , .		2
675	Communication-Efficient Federated Learning in Channel Constrained Internet of Things. , 2022, , .		0
676	Over-the-Air Federated Learning with Energy Harvesting Devices. , 2022, , .		5
677	HT-Fed-GAN: Federated Generative Model for Decentralized Tabular Data Synthesis. Entropy, 2023, 25, 88.	1.1	1
678	A novel aggregation method to promote safety security for poisoning attacks in Federated Learning. , 2022, , .		0
679	Social-Aware Edge Intelligence: A Constrained Graphical Bandit Approach. , 2022, , .		0
680	FedAegis: Edge-Based Byzantine-Robust Federated Learning for Heterogeneous Data. , 2022, , .		3
681	Privacy-preserving and Efficient Decentralized Federated Learning-based Energy Theft Detector. , 2022, ,		9
682	Data-aware Hierarchical Federated Learning via Task Offloading. , 2022, , .		3
683	A Mechanism Design Approach for Multi-party Machine Learning. Lecture Notes in Computer Science, 2022, , 248-268.	1.0	2

#	Article	IF	CITATIONS
685	Federated learning with hyper-network—a case study on whole slide image analysis. Scientific Reports, 2023, 13, .	1.6	3
686	Intrusion Detection System Using Ensemble Machine Learning in Cloud Environment. Lecture Notes in Networks and Systems, 2023, , 513-522.	0.5	0
687	Adaptive Resource Allocation for Blockchain-Based Federated Learning in Internet of Things. IEEE Internet of Things Journal, 2023, 10, 10621-10635.	5.5	4
688	MiTFed: A Privacy Preserving Collaborative Network Attack Mitigation Framework Based on Federated Learning Using SDN and Blockchain. IEEE Transactions on Network Science and Engineering, 2023, 10, 1985-2001.	4.1	20
689	The Role of Edge Computing in Pandemic and Epidemic Situations with Its Solutions. Signals and Communication Technology, 2023, , 207-220.	0.4	0
690	Federated Learning to Safeguard Patients Data: A Medical Image Retrieval Case. Big Data and Cognitive Computing, 2023, 7, 18.	2.9	9
691	Federated Learning Based on Data Divergence and Differential Privacy in燜inancial Risk Control Research. Computers, Materials and Continua, 2023, 75, 863-878.	1.5	0
692	HiFlash: Communication-Efficient Hierarchical Federated Learning With Adaptive Staleness Control and Heterogeneity-Aware Client-Edge Association. IEEE Transactions on Parallel and Distributed Systems, 2023, 34, 1560-1579.	4.0	11
693	Edge Computing on IoT for Machine Signal Processing and Fault Diagnosis: A Review. IEEE Internet of Things Journal, 2023, 10, 11093-11116.	5.5	27
694	Regulated Subspace Projection Based Local Model Update Compression for Communication-Efficient Federated Learning. IEEE Journal on Selected Areas in Communications, 2023, 41, 964-976.	9.7	2
695	Poisoning Attacks in Federated Learning: A Survey. IEEE Access, 2023, 11, 10708-10722.	2.6	9
696	A Comprehensive Survey of V2X Cybersecurity Mechanisms and Future Research Paths. IEEE Open Journal of the Communications Society, 2023, 4, 325-391.	4.4	14
697	Distributed Traffic Synthesis and Classification in Edge Networks: A Federated Self-supervised Learning Approach. IEEE Transactions on Mobile Computing, 2023, , 1-15.	3.9	2
698	Accelerating Convergence of Federated Learning in MEC with Dynamic Community. IEEE Transactions on Mobile Computing, 2023, , 1-17.	3.9	5
699	Scheduling Algorithms for Federated Learning With Minimal Energy Consumption. IEEE Transactions on Parallel and Distributed Systems, 2023, 34, 1215-1226.	4.0	2
700	Optimal Device Selection in Federated Learning for Resource-Constrained Edge Networks. IEEE Internet of Things Journal, 2023, 10, 10845-10856.	5.5	2
701	Transfer Learning for Convolutional Neural Networks in Tiny Deep Learning Environments. , 2022, , .		0
702	LGCM: A Communication-Efficient Scheme for Federated Learning in Edge Devices. , 2022, , .		Ο

#	ARTICLE	IF	Citations
703	SPATL: Salient Parameter Aggregation and Transfer Learning for Heterogeneous Federated Learning. , 2022, , .		6
704	FLIoDT: A Federated Learning Architecture from Privacy by Design to Privacy by Default over IoT. , 2022, , .		5
705	A Comprehensive Study on Personalized Federated Learning with Non-IID Data. , 2022, , .		1
706	Community Detection and Attention-Weighted Federated Learning Based Proactive Edge Caching for D2D-Assisted Wireless Networks. IEEE Transactions on Wireless Communications, 2023, 22, 7287-7303.	6.1	0
707	Decentralized Federated Learning Over Slotted ALOHA Wireless Mesh Networking. IEEE Access, 2023, 11, 18326-18342.	2.6	6
708	Computation and Communication Efficient Federated Learning With Adaptive Model Pruning. IEEE Transactions on Mobile Computing, 2024, 23, 2003-2021.	3.9	2
709	Distributed Intelligence in Wireless Networks. IEEE Open Journal of the Communications Society, 2023, , 1-1.	4.4	3
710	Clustered Scheduling and Communication Pipelining for Efficient Resource Management of Wireless Federated Learning. IEEE Internet of Things Journal, 2023, 10, 13303-13316.	5.5	0
711	Heterogeneous Federated Learning for Balancing Job Completion Time and Model Accuracy. , 2023, , .		1
712	Experimental Evaluation and Analysis of Federated Learning in Edge Computing Environments. IEEE Access, 2023, 11, 33628-33639.	2.6	3
713	Building Trusted Federated Learning: Key Technologies and Challenges. Journal of Sensor and Actuator Networks, 2023, 12, 13.	2.3	5
714	An investigation on the relationship of abusive supervision with knowledge hiding and organizational deviance: The mediating roles of employee silence and negative affectivity. Human Systems Management, 2024, 43, 65-78.	0.5	0
715	LDIA: Label distribution inference attack against federated learning in edge computing. Journal of Information Security and Applications, 2023, 74, 103475.	1.8	0
716	Scalable anomaly-based intrusion detection for secure Internet of Things using generative adversarial networks in fog environment. Journal of Network and Computer Applications, 2023, 214, 103622.	5.8	5
717	Fed-ESD: Federated learning for efficient epileptic seizure detection in the fog-assisted internet of medical things. Information Sciences, 2023, 630, 403-419.	4.0	7
718	Asynchronous federated learning with directed acyclic graph-based blockchain in edge computing: Overview, design, and challenges. Expert Systems With Applications, 2023, 223, 119896.	4.4	5
719	Review on security of federated learning and its application in healthcare. Future Generation Computer Systems, 2023, 144, 271-290.	4.9	21
720	Communication and computation efficiency in Federated Learning: A survey. Internet of Things (Netherlands), 2023, 22, 100742.	4.9	9

#	Article	IF	CITATIONS
721	Research on smart city data encryption and communication efficiency improvement under federated learning framework. Egyptian Informatics Journal, 2023, 24, 217-227.	4.4	3
722	Ubiquitous intelligent federated learning privacy-preserving scheme under edge computing. Future Generation Computer Systems, 2023, 144, 205-218.	4.9	6
723	Task offloading paradigm in mobile edge computing-current issues, adopted approaches, and future directions. Journal of Network and Computer Applications, 2023, 212, 103568.	5.8	22
724	TailorFL. , 2022, , .		3
725	Leveraging Semi-Connected Devices To Enhance Federated Learning. , 2022, , .		0
726	Edge Federated Learning forÂSocial Profit Optimality: A Cooperative Game Approach. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2022, , 135-153.	0.2	0
727	FedLesScan: Mitigating Stragglers in Serverless Federated Learning. , 2022, , .		0
728	Personalized Federated Learning via Heterogeneous Modular Networks. , 2022, , .		1
729	A tutorial on Federated Learning methodology for indoor localization with non-IID fingerprint databases. ICT Express, 2023, 9, 548-555.	3.3	0
730	Security and Privacy on 6G Network Edge: A Survey. IEEE Communications Surveys and Tutorials, 2023, 25, 1095-1127.	24.8	20
731	Energy Aware Task Allocation for Semi-Asynchronous Mobile Edge Learning. IEEE Transactions on Green Communications and Networking, 2023, 7, 1766-1777.	3.5	0
732	Reviewing Federated Machine Learning and Its Use in Diseases Prediction. Sensors, 2023, 23, 2112.	2.1	20
733	Federated Learning-Based Resource Management with Blockchain Trust Assurance in Smart IoT. Electronics (Switzerland), 2023, 12, 1034.	1.8	2
734	Survey on Machine Learning for Traffic-Driven Service Provisioning in Optical Networks. IEEE Communications Surveys and Tutorials, 2023, 25, 1412-1443.	24.8	11
735	Poisoning Attack based on Data Feature Selection in Federated Learning. , 2023, , .		0
736	Federated Learning-Based Analysis of Human Sentiments and Physical Activities in Natural Disasters. Applied Sciences (Switzerland), 2023, 13, 2925.	1.3	0
737	Data Quality Detection Mechanism Against Label Flipping Attacks in Federated Learning. IEEE Transactions on Information Forensics and Security, 2023, 18, 1625-1637.	4.5	7
738	Applicability of Deep Reinforcement Learning for Efficient Federated Learning in Massive IoT Communications. Applied Sciences (Switzerland), 2023, 13, 3083.	1.3	10

#	Article	IF	CITATIONS
739	Stackelberg Game Based Resource Allocation Algorithm for Federated Learning in MEC Systems. , 2023,		0
740	Efficiency-Boosting Federated Learning in Wireless Networks: A Long-Term Perspective. IEEE Transactions on Vehicular Technology, 2023, 72, 9434-9447.	3.9	2
741	Intelligent Transportation Using Wireless Sensor Networks Blockchain and License Plate Recognition. Sensors, 2023, 23, 2670.	2.1	5
742	Towards Mobile Federated Learning with Unreliable Participants and Selective Aggregation. Applied Sciences (Switzerland), 2023, 13, 3135.	1.3	2
743	Federated Learning for Tabular Data using TabNet: A Vehicular Use-Case. , 2022, , .		3
744	(Private) Kernelized Bandits with Distributed Biased Feedback. Proceedings of the ACM on Measurement and Analysis of Computing Systems, 2023, 7, 1-47.	1.4	2
745	Decentralized Aggregation for Energy-Efficient Federated Learning via D2D Communications. IEEE Transactions on Communications, 2023, 71, 3333-3351.	4.9	6
746	Semi-Decentralized Federated Edge Learning With Data and Device Heterogeneity. IEEE Transactions on Network and Service Management, 2023, 20, 1487-1501.	3.2	3
747	Research on Aggregation Strategy of Federated Learning Parameters under Non-Independent and Identically Distributed Conditions. , 2022, , .		0
748	Synergetic Focal Loss for Imbalanced Classification in Federated XGBoost. IEEE Transactions on Artificial Intelligence, 2024, 5, 647-660.	3.4	1
749	An integrated security approach for vehicular networks in smart cities. Transactions on Emerging Telecommunications Technologies, 0, , .	2.6	1
750	Time series prediction in IoT: a comparative study of federated versus centralized learning. , 2023, , .		1
751	Wireless Quantized Federated Learning: A Joint Computation and Communication Design. IEEE Transactions on Communications, 2023, 71, 2756-2770.	4.9	2
752	Compressed Client Selection for Efficient Communication in Federated Learning. , 2023, , .		1
753	Collecting, Processing and Secondary Using Personal and (Pseudo)Anonymized Data in Smart Cities. Applied Sciences (Switzerland), 2023, 13, 3830.	1.3	2
754	Dynamic Network-Assisted D2D-Aided Coded Distributed Learning. IEEE Transactions on Communications, 2023, , 1-1.	4.9	0
755	On the Dependability of 6G Networks. Electronics (Switzerland), 2023, 12, 1472.	1.8	2
756	Security of Internet of Things (IoT) using federated learning and deep learning — Recent advancements, issues and prospects. ICT Express, 2023, 9, 941-960.	3.3	5

#	Article	IF	CITATIONS
757	Performance Optimization for Energy-Efficient Industrial Internet of Things Based on Ambient Backscatter Communication: An A3C-FL Approach. IEEE Transactions on Green Communications and Networking, 2023, 7, 1121-1134.	3.5	4
758	Analysis of Recent IIoT Security Technology Trends in a Smart Factory Environment. , 2023, , .		1
759	Adaptive Resource Allocation in Quantum Key Distribution (QKD) for Federated Learning. , 2023, , .		3
760	Secure Federated Training: Detecting Compromised Nodes and Identifying the Type of Attacks. , 2022, , .		1
761	Optimizing Edge-Cloud Cooperation for Machine Learning Accuracy Considering Transmission Latency and Bandwidth Congestion. IEICE Transactions on Communications, 2023, E106.B, 827-836.	0.4	1
762	Blockchain-based Data Quality Assessment to Improve Distributed Machine Learning. , 2023, , .		1
763	Edge-Native Intelligence for 6G Communications Driven by Federated Learning: A Survey of Trends and Challenges. IEEE Transactions on Emerging Topics in Computational Intelligence, 2023, 7, 957-979.	3.4	14
764	CluFL: Cluster-driven Weighted FL Model Aggregation Strategy. , 2023, , .		0
765	Hierarchical Clustering-based Personalized Federated Learning for Robust and Fair Human Activity Recognition. , 2022, 7, 1-38.		1
766	Explainable, Domain-Adaptive, and Federated Artificial Intelligence in Medicine. IEEE/CAA Journal of Automatica Sinica, 2023, 10, 859-876.	8.5	14
767	Federated Learning for Heterogeneous Mobile Edge Device: A Client Selection Game. , 2022, , .		0
768	FedBranched: Leveraging Federated Learning for Anomaly-Aware Load Forecasting in Energy Networks. Sensors, 2023, 23, 3570.	2.1	2
769	Blockchain Meets Federated Learning in Healthcare: A Systematic Review With Challenges and Opportunities. IEEE Internet of Things Journal, 2023, 10, 14418-14437.	5.5	26
770	Toward Federated Learning With Byzantine and Inactive Users: A Game Theory Approach. IEEE Access, 2023, 11, 34138-34149.	2.6	1
771	ANIARA Project - Automation of Network Edge Infrastructure and Applications with Artificial Intelligence. ACM SIGAda Ada Letters, 2023, 42, 92-95.	0.1	0
772	Resilient Distributed Classification Learning Against Label Flipping Attack: An ADMM-Based Approach. IEEE Internet of Things Journal, 2023, 10, 15617-15631.	5.5	3
773	A Comprehensive Study of Gradient Inversion Attacks in Federated Learning and Baseline Defense Strategies. , 2023, , .		0
774	Multi-Objective Optimization for Bandwidth-Limited Federated Learning in Wireless Edge Systems. IEEE Open Journal of the Communications Society, 2023, 4, 954-966.	4.4	3

	CITATION	Report	
#	Article	IF	CITATIONS
775	A split-federated learning and edge-cloud based efficient and privacy-preserving large-scale item recommendation model. Journal of Cloud Computing: Advances, Systems and Applications, 2023, 12, .	2.1	0
776	Privacy preserving federated learning for full heterogeneity. ISA Transactions, 2023, 141, 73-83.	3.1	1
777	Research on Model Optimization Technology of Federated Learning. , 2023, , .		1
778	PipeEdge: A Trusted Pipelining Collaborative Edge Training based on Blockchain. , 2023, , .		0
782	100X Increase in Industrial and Personal Productivity Augmenting the State-of-the-Art Technologies AI/ML, Edge Computing, and 5G Network. Lecture Notes in Electrical Engineering, 2023, , 463-472.	0.3	0
783	SGDE: Secure Generative Data Exchange for Cross-Silo Federated Learning. , 2022, , .		5
784	Analysis of Internet of Vehicles Technology Evolution and Trends Based on Bibliometric Visualization. Lecture Notes in Electrical Engineering, 2023, , 188-202.	0.3	0
791	Efficient Data Transfer Based on Unsupervised Data Grading. Lecture Notes on Data Engineering and Communications Technologies, 2023, , 565-575.	0.5	0
792	Al Approaches for IoT Security Analysis. Advances in Intelligent Systems and Computing, 2021, , 47-70.	0.5	0
797	FEEL-enhanced Edge Computing in Energy Constrained UAV-aided IoT Networks. , 2023, , .		0
807	Dependable Mobile Federated Learning Classifications Focused for Mobile Intelligent Source Distribution System in Big Data Analytics using Artificial Internet of Things. , 2023, , .		0
810	Efficient Federated Learning Method for Cloud-Edge Network Communication. , 2023, , .		1
813	EEFL: High-Speed Wireless Communications Inspired Energy Efficient Federated Learning over Mobile Devices. , 2023, , .		0
817	Adaptive Sensor Scheduling for Federated Learning over 6G in-X Subnetworks. , 2023, , .		0
820	Federated Learning Enabled Edge Computing Security for Internet of Medical Things: Concepts, Challenges and Open Issues. Advances in Information Security, 2023, , 67-89.	0.9	2
824	Federated Learning for Metaverse: A Survey. , 2023, , .		3
826	Federated learning: Applications, Security hazards and Defense measures. , 2023, , .		4
829	DPP-Based Client Selection for Federated Learning with NON-IID DATA. , 2023, , .		0

#	Article	IF	CITATIONS
834	Towards Native Support for Federated Learning in 6C. , 2023, , .		0
835	Al/ML on Edge. , 2023, , 183-211.		Ο
838	Implementing Federated Learning based on RainForest Model. , 2023, , .		1
841	Federated Learning with Client Selection in Resource-Uncertain Wireless Networks: Simulation and Proof ofÂConcept Experiments. , 2023, , 223-243.		0
845	loV Data Processing Algorithms for Automatic Real-Time Object Detection - Literature Review. , 2023, , .		1
847	Scoring Mechanism for Clustering Training in Wireless Federated Learning. , 2023, , .		0
858	Heterogeneous Federated Learning using Dynamic Model Pruning and Adaptive Gradient. , 2023, , .		3
869	Crowdsourcing as a Future Collaborative Computing Paradigm. Wireless Networks, 2023, , 3-32.	0.3	0
872	FedTrip: A Resource-Efficient Federated Learning Method with Triplet Regularization. , 2023, , .		0
877	Edge Learning-Based Efficient Data Imputation of Water Quality. Lecture Notes in Electrical Engineering, 2023, , 437-448.	0.3	0
880	Energy-Efficient Online Node Cooperation Strategy for Hierarchical Federated Learning. , 2022, , .		0
881	When Computing Power Network Meets Distributed Machine Learning: An Efficient Federated Split Learning Framework. , 2023, , .		1
882	CAIM: A Context-Aware Incentive Mechanism for Robust Federated Learning. , 2022, , .		0
883	Privacy-Preserving Digital Twin for Vehicular Edge Computing Networks. , 2022, , .		0
884	Efficient Federated Learning with Adaptive Channel Pruning for Edge Devices. , 2022, , .		0
891	Resource-Efficient Federated Learning Robust to Communication Errors. , 2023, , .		1
893	OpenFed: A Comprehensive and Versatile Open-Source Federated Learning Framework. , 2023, , .		3
894 <u></u>	FedATM: Adaptive Trimmed Mean based Federated Learning against Model Poisoning <u>Attacks. , 2023, , .</u>		0 _

#	Article	IF	CITATIONS
895	AFLChain: Blockchain-enabled Asynchronous Federated Learning in Edge Computing Network. , 2023, , .		0
896	Parameter-less Asynchronous Federated Learning under Computation and Communication Constraints. , 2023, , .		0
899	Mixed Quantization Enabled Federated Learning to Tackle Gradient Inversion Attacks. , 2023, , .		0
900	Logical-Cluster-Based Personalized Federated Multi-Task Learning for Internet of Vehicles. , 2023, , .		0
901	User Profile-Based Viewport Prediction Using Federated Learning in Real-Time 360-Degree Video Streaming. , 2023, , .		0
904	Personal Federated Learning viaÂMomentum Target withÂSelf-Improvement. Lecture Notes in Networks and Systems, 2023, , 247-253.	0.5	0
907	An Insight into Federated Learning Based Digital Twin Applications in Smart City. , 2023, , .		0
908	A Hierarchical Knowledge Transfer Framework for Heterogeneous Federated Learning. , 2023, , .		0
909	Scalable Federated Learning Simulations Using Virtual Client Engine in Flower. , 2023, , .		0
910	Communication-Efficient Federated Learning for Heterogeneous Edge Devices Based on Adaptive Gradient Quantization. , 2023, , .		0
911	Adaptive Configuration for Heterogeneous Participants in Decentralized Federated Learning. , 2023, , .		5
912	Jamming Attacks on Decentralized Federated Learning in General Multi-Hop Wireless Networks. , 2023, , ·		1
914	Tackling System Induced Bias in Federated Learning: Stratification and Convergence Analysis. , 2023, , .		0
917	Federated Learning Approaches to Diverse Machine Learning Model: A Review. Lecture Notes in Networks and Systems, 2023, , 259-269.	0.5	0
919	A Note on Discriminator Updating Method based on Weights of Other Models and its Verification. , 2023, , .		0
934	FS-REAL: Towards Real-World Cross-Device Federated Learning. , 2023, , .		1
938	ScaleFL: Resource-Adaptive Federated Learning with Heterogeneous Clients. , 2023, , .		2
940	Wireless Coded Distributed Learning with Gaussian-based Local Differential Privacy. , 2023, , .		0

#	Article	IF	CITATIONS
941	Federated Learning with Data-Agnostic Distribution Fusion. , 2023, , .		1
944	Federated Learning over Harmonized Data Silos. Studies in Computational Intelligence, 2023, , 27-41.	0.7	1
945	Efficient Federated Learning in Wireless Communication Systems: A Multi-Objective Optimization Perspective. , 2023, , .		0
947	A Novel Privacy-Centric Training Routine for Maintaining Accuracy in Traditional Machine Learning Systems. Smart Innovation, Systems and Technologies, 2023, , 257-263.	0.5	0
950	ASFL: Adaptive Semi-asynchronous Federated Learning for Balancing Model Accuracy and Total Latency in Mobile Edge Networks. , 2023, , .		0
952	A Group Anonymity Based Federated Learning Framework. , 2023, , .		0
954	Prevention ofÂGlobal Mental Health Crisis withÂTransformer Neural Networks. Intelligent Systems Reference Library, 2023, , 197-221.	1.0	0
955	Cluster Head Selection and Cluster Construction for Federated Learning in Mobile Ad Hoc Networks. , 2023, , .		0
963	Federated Learning for Beginners: Types, Simulation Environments, and Open Challenges. , 2023, , .		0
966	Machine Learning for Managing Modeling Ecosystems: Techniques, Applications, and a Research Vision. , 2023, , 249-279.		0
970	Hierarchical Federated Learning with Adaptive Momentum in Multi-Tier Networks. , 2023, , .		0
973	Communication Efficient on Symmetric and Asymmetric Encrypted Anonymous Federated Learning. , 2023, , .		0
975	An Adaptive Sampling Strategy for Federal Graph Neural Networks in Internet of Things. , 2023, , .		0
979	FedLP: Layer-Wise Pruning Mechanism for Communication-Computation Efficient Federated Learning. , 2023, , .		3
980	Clustered Data Sharing for Non-IID Federated Learning over Wireless Networks. , 2023, , .		0
981	Bandwidth Allocation for Low-Latency Wireless Federated Learning: An Evolutionary Game Approach. , 2023, , .		0
982	EdgeC3: Online Management for Edge-Cloud Collaborative Continuous Learning. , 2023, , .		0
983	Joint Edge Association and Aggregation Frequency for Energy-Efficient Hierarchical Federated Learning by Deep Reinforcement Learning. , 2023, , .		0

#	Article	IF	Citations
984	Enhanced Federated Learning on Non-lid Data via Local Importance Sampling. , 2023, , .		0
985	Analysis and Optimization of Model Aggregation Performance in Federated Learning. , 2023, , .		0
986	Joint Quality Evaluation, Model Splitting and Resource Provisioning for Split Edge Learning. , 2023, , .		0
987	Joint Multi-UAV Deployment and Resource Allocation Based on Personalized Federated Deep Reinforcement Learning. , 2023, , .		0
988	GBMIA: Gradient-based Membership Inference Attack in Federated Learning. , 2023, , .		0
989	Fuzzy Logic Assisted Client Selection and Energy-Efficient Joint Optimization for Hierarchical Federated Learning. , 2023, , .		0
990	A Survey of Edge Computing Resource Allocation Strategies Based on Federated Learning. , 2023, , .		0
991	FLAP: Federated Learning Aggregation Scheme Based on Privileged Secret Sharing. , 2023, , .		0
994	A Review of Client Selection Methods in Federated Learning. Archives of Computational Methods in Engineering, 2024, 31, 1129-1152.	6.0	0
999	Communication-Efficient Federated Multi-Task Learning with Sparse Sharing. , 2023, , .		0
1000	Towards Federated Learning on Fresh Datasets. , 2023, , .		0
1002	A Deep Reinforcement Learning Perspective on Adaptive Federated Dropout. , 2023, , .		0
1005	Privacy-aware Adaptive Collaborative Learning Approach for Distributed Edge Networks. , 2023, , .		0
1006	Federated Learning in Smart Agriculture: An Overview. , 2023, , .		0
1008	ART4FL: An Agent-Based Architectural Approach for Trustworthy Federated Learning in the IoT. , 2023, ,		2
1009	An Application for Federated Learning of XAI Models in Edge Computing Environments. , 2023, , .		0
1013	HyperFed: Free-riding Resistant Federated Learning with Performance-based Reputation Mechanism and Adaptive Aggregation using Hypernetworks. , 2023, , .		0
1016	An Enhanced Incentive Mechanism forÂCrowdsourced Federated Learning Based onÂContract Theory andÂShapley Value. Communications in Computer and Information Science, 2023, , 18-33.	0.4	0

щ		IF	CITATIONS
Ŧ	ARTICLE	IF	CHATIONS
1017	Optimizing Federated Learning Approach: Literature Survey and Open Points. , 2023, , .		0
1020	Decentralized Federated Learning in IoT Environments: A Hierarchical Approach. , 2023, , .		0
1028	FedDHr: Improved Adaptive Learning Strategy Using Federated Learning for Image Processing. , 2023, , .		0
1030	Cohort-based Power Scaling and Gradient Recovery for Over-The-Air Federated Learning. , 2023, , .		0
1033	TrustFedHealth: Federated Learning with Homomorphic Encryption and Blockchain for Heart Disease Prediction in the Smart Healthcare. , 2023, , .		1
1035	Machine Learning Data Markets: Evaluating the Impact of Data Exchange on the Agent Learning Performance. Lecture Notes in Computer Science, 2023, , 337-348.	1.0	0
1046	RoamML: Distributed Machine Learning at the Tactical Edge. , 2023, , .		0
1047	Privacy-Preserving Trainer Recruitment in Model Marketplace of Federated Learning. , 2023, , .		0
1052	A Unified Process on Opportunities for Federated Learning in Big Data with IoT. , 2023, , .		0
1056	Towards Instance-adaptive Inference for Federated Learning. , 2023, , .		0
1058	FeDZIO: Decentralized Federated Knowledge Distillation onÂEdge Devices. Lecture Notes in Computer Science, 2024, , 201-210.	1.0	0
1060	FedCIO: Efficient Exact Federated Unlearning with Clustering, Isolation, and One-shot Aggregation. , 2023, , .		0
1063	A Secure andÂFair Federated Learning Protocol Under theÂUniversal Composability Framework. Lecture Notes in Computer Science, 2024, , 462-474.	1.0	0
1064	Improving Communication Efficiency: A Dual Adaptive Federated Learning Framework. , 2023, , .		0
1065	A Trusted Sharing Model for Risk Information of Food Full-process and All-information Based on Blockchain and Federated Learning. , 2023, , .		0
1069	Federated Learning for Privacy-Preserving Prediction of Occupational Group Mobility Using Multi-Source Mobile Data. , 2023, , .		0
1070	A Federated Multi-Modal Learning Framework Powered by Distributed Ledgers for Cyber-safe and Efficient UAV Delivery Systems. , 2023, , .		0
1073	NOMA-Empowered Federated Learning for Enhancing Uplink Efficiency in Wireless Networks. , 2024, , .		0

#	Article	IF	CITATIONS
1075	Edge-Cloud Collaborative Inference Expending Federated Learning in Task Migration. Advances in Healthcare Information Systems and Administration Book Series, 2023, , 84-110.	0.2	0
1076	Safeguarding Privacy Through Federated Machine Learning Techniques. Advances in Information Security, Privacy, and Ethics Book Series, 2024, , 295-318.	0.4	0
1077	Federated Learning Based Elderly Fall Detection Using Edge Computing. , 2023, , .		0
1078	RAI4IoE: Responsible AI for Enabling the Internet of Energy. , 2023, , .		0
1082	Federated Learning Systems: Mathematical Modeling and Internet of Things. , 2024, , 21-32.		0
1083	Hyperparameter tuning for federated learning $\hat{a} \in $ systems and practices. , 2024, , 219-235.		0
1085	Solving Client Dropout inÂFederated Learning viaÂClient Similarity Discovery andÂGradient Supplementation Mechanism. Lecture Notes in Computer Science, 2024, , 446-457.	1.0	0
1088	A Collaborative Migration Algorithm forÂEdge Services Based onÂEvolutionary Reinforcement Learning. Lecture Notes in Computer Science, 2024, , 47-66.	1.0	0