

TITLE OF THE PAPER	YEAR	NO. OF CITATIONS	REFERENCES	WHY DO WE NEED THIS?	CUTTING EDGE POINT / INNOVATION/IDEAS	CORE OF RUST	LINKS
1. The Future of Digital Health with Federated Learning	2021	1007	Federative models, hospitalization, heart disease, distributed learning, Electronic medical Records (EMR), Federated databases	Requires the challenge that may be faced when implementing federated learning in healthcare	Introduces a hybrid federated learning system	yes	https://arxiv.org/pdf/2104.02526v1.pdf
2. Federated Learning for Healthcare Information	2021	85	Federated learning, healthcare, privacy	Requires the challenge that may be faced when implementing federated learning in healthcare	Designed a hybrid algorithm that improved the performance	yes	https://arxiv.org/pdf/2104.02526v1.pdf
3. Federated Learning: Challenges, Methods, and Future Directions	2021	1280	Distributed databases, data models, training data, data privacy, privacy, predictive models, machine learning	Discussing the challenges and efficiency of federated learning with data isolation	Analyses federated learning from different point of view	yes	https://arxiv.org/pdf/2104.02526v1.pdf
4. A Hybrid Approach to Privacy-Preserving Federated Learning	2020	126	Privacy, federated learning, privacy-preserving machine learning, differential privacy, secure multiparty computation	To achieve to keep the privacy of patients while working on multiple clients	Propose a new approach to federated learning	yes	https://arxiv.org/pdf/2104.02526v1.pdf
5. Federated Machine Learning: Concept and Applications	2021	104	Federated learning, ML, machine learning	Review the data privacy and security challenges in artificial intelligence with deep federated learning	Propose a federated machine learning framework	yes	https://arxiv.org/pdf/2104.02526v1.pdf
6. How to Securely Federated Learning	2020	112	Copyrights, confidentiality, machine learning	Review federated learning with three perspectives: for the federated machine learning tasks and show that it greatly outperforms learning data processing	Propose a new algorithm (SCAFOLD) that uses central variance reduction to combat the client drift	yes	https://arxiv.org/pdf/2104.02526v1.pdf
7. SCAFLD: The Federated Central Averaging for Federated Learning	2020	100	Machine learning, distributed, parallel, and federated computing, optimization and control, machine learning	To get a new federated learning framework	Propose a new algorithm (SCAFOLD) that uses central variance reduction to combat the client drift	yes	https://arxiv.org/pdf/2104.02526v1.pdf
8. Joint Learning and Communication Scheduling for Federated Learning over Wireless Networks	2022	100	Federated learning, user resources, resource management	Integrate the joint of data and radio resource management	Formulate federated learning over wireless networks using their own data and transmitting the trained models	yes	https://arxiv.org/pdf/2104.02526v1.pdf
9. Federated Learning in Mobile Edge Networks: A Comprehensive Survey	2020	100	Communication and computation modeling, data models, data privacy, data security, federated learning, mobile edge networks, optimization, privacy, resource allocation, wireless, testing	Classify the state-of-the-art federated learning, working on mobile devices	State-of-the-art federated learning	yes	https://arxiv.org/pdf/2104.02526v1.pdf
10. Edge-Enabled Federated Learning for Wireless Communication Networks	2020	107	Wireless communication, computational modeling, testing, acceleration, wireless network, resource management, data models	Explores the state-of-the-art federated learning, working on mobile devices	Proposed federated learning over wireless networks using their own data and transmitting the trained models	yes	https://arxiv.org/pdf/2104.02526v1.pdf
11. Federated Learning on Over-the-Air Computation	2020	104	Computational modeling, optimization, convergence, performance evaluation, testing, edge signal processing, cloud computing	Propose a framework based on the concept of over-the-air computing	Finding a signal to be a federated learning framework that is accurate as other federated learning frameworks	yes	https://arxiv.org/pdf/2104.02526v1.pdf
12. Federated Learning with Differentially Privacy, Regularity and Performance Analysis	2020	107	Distributed databases, distributed machine learning, performance analysis, differential privacy, federated learning, privacy-preserving ML, algorithms, band privacy test, in-client model scheduling	To understand the performance and the quality of federated learning	The work makes the specification of Federated Learning	yes	https://arxiv.org/pdf/2104.02526v1.pdf
13. Secure Federated Learning Framework	2021	101	Data models, machine learning, distributed work, protocols, data privacy, security, general data protection, regulation	Propose a federated privacy-preserving federated learning framework	Designing federated learning which is a federated learning framework that is accurate as other federated learning frameworks	yes	https://arxiv.org/pdf/2104.02526v1.pdf
14. Blockchain-Enabled Federated Learning for Secure Data Sharing in Internet of Vehicles	2020	175	Computational, data privacy, distributed work, protocols, data privacy, security, general data protection, regulation	Propose a new federated learning architecture for secure data processing	Proposed a blockchain federated learning framework by integrating federated learning (FL) for data analysis to improve the efficiency	yes	https://arxiv.org/pdf/2104.02526v1.pdf
15. Federated Learning with Cooperative Devices: A Consensus Approach for Privacy of IoT Networks	2019	100	Data privacy, Internet of Things, learning artificial intelligence, optimization	Review federated learning on Internet of Things as a different use case of the model	Review federated learning applications on Internet of Things with the consensus approach	yes	https://arxiv.org/pdf/2104.02526v1.pdf