# Ahmed Imteaj

List of Publications by Year
in descending order

| | | | |
|---|---|---|---|
| 42<br>papers | 593<br>citations | 1478280<br>6<br>h-index | 1199470<br>12<br>g-index |
| 42<br>all docs | 42<br>docs citations | 42<br>times ranked | 276<br>citing authors |

| # | Article | IF | Citations |
|---|---------|----|-----------|
| 1 | A Survey on Federated Learning for Resource-Constrained IoT Devices. IEEE Internet of Things Journal, 2022, 9, 1-24. | 5.5 | 215 |
| 2 | Leveraging asynchronous federated learning to predict customers financial distress. Intelligent Systems With Applications, 2022, 14, 200064. | 1.9 | 10 |
| 3 | Exploiting Federated Learning Technique to Recognize Human Activities in Resource-Constrained Environment. Lecture Notes in Computer Science, 2022, , 659-672. | 1.0 | 1 |
| 4 | Leveraging Blockchain Technology for Artificial Intelligence. SpringerBriefs in Computer Science, 2021, , 51-58. | 0.2 | 0 |
| 5 | Blockchain Interoperability from the Perspective of Interdependent Networks. SpringerBriefs in Computer Science, 2021, , 29-38. | 0.2 | 1 |
| 6 | IoT-Enabled Lifelogging Architecture Model to Leverage Healthcare Systems. Advances in Intelligent Systems and Computing, 2021, , 1011-1025. | 0.5 | 0 |
| 7 | Coupling Blockchain with Emerging Real-Life Applications. SpringerBriefs in Computer Science, 2021, , 59-69. | 0.2 | 0 |
| 8 | Introduction to Blockchain Technology. SpringerBriefs in Computer Science, 2021, , 3-13. | 0.2 | 1 |
| 9 | FedPARL: Client Activity and Resource-Oriented Lightweight Federated Learning Model for Resource-Constrained Heterogeneous IoT Environment. Frontiers in Communications and Networks, 2021, 2, . | 1.9 | 11 |
| 10 | FedResilience: A Federated Learning Application to Improve Resilience of Resource-Constrained Critical Infrastructures. Electronics (Switzerland), 2021, 10, 1917. | 1.8 | 10 |
| 11 | Data analytics to evaluate the impact of infectious disease on economy: Case study of COVID-19 pandemic. Patterns, 2021, 2, 100315. | 3.1 | 25 |
| 12 | Toward Smart Contract and Consensus Mechanisms of Blockchain. SpringerBriefs in Computer Science, 2021, , 15-28. | 0.2 | 2 |
| 13 | Blockchain Applicability in Internet-of-Things (IoT) Environment. SpringerBriefs in Computer Science, 2021, , 41-50. | 0.2 | 0 |
| 14 | An enhanced method of initial cluster center selection for K-means algorithm. , 2021, , . |  | 2 |
| 15 | Federated Deep Learning for Heterogeneous Edge Computing. , 2021, , . |  | 21 |
| 16 | Distributed Network Optimization for Secure Operation of Interdependent Complex Networks. , 2021, , . |  | 0 |
| 17 | Distributed Machine Learning for Resilient Operation of Electric Systems. , 2020, , . |  | 5 |
| 18 | A Novel Block Cipher Based on Randomly Shuffled Key Strings. Arabian Journal for Science and Engineering, 2020, 45, 10975-10987. | 1.7 | 2 |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 19 | Interdependent Networks: A Data Science Perspective. Patterns, 2020, 1, 100003. | 3.1 | 10 |
| 20 | Leveraging Decentralized Artificial Intelligence to Enhance Resilience of Energy Networks. , 2020, , . | | 10 |
| 21 | FedAR: Activity and Resource-Aware Federated Learning Model for Distributed Mobile Robots. , 2020, , . | | 28 |
| 22 | Distributed machine learning for collaborative mobile robots. , 2020, , . | | 2 |
| 23 | Cascaded Solid State Transformer Structure to Power Fast EV Charging Stations from Medium Voltage Transmission Lines. , 2020, , . | | 4 |
| 24 | Distributed Sensing Using Smart End-User Devices: Pathway to Federated Learning for Autonomous IoT. , 2019, , . | | 32 |
| 25 | RoboFI: Autonomous Path Follower Robot for Human Body Detection and Geolocalization for Search and Rescue Missions using Computer Vision and IoT. , 2019, , . | | 7 |
| 26 | Quantifying location privacy in permissioned blockchain-based internet of things (IoT). , 2019, , . | | 9 |
| 27 | Unmanned Multiple Railway Gates Controlling and Bi-directional Train Tracking with Alarming System using Principles of IoT. , 2018, , . | | 4 |
| 28 | An IoT based Interactive Speech Recognizable Robot with Distance control using Raspberry Pi. , 2018, , . | | 10 |
| 29 | An IoT based fire alarming and authentication system for workhouse using Raspberry Pi 3. , 2017, , . | | 58 |
| 30 | IoT based energy and gas economic home automation system using Raspberry Pi 3. , 2017, , . | | 6 |
| 31 | Depiction of an interactive prevarication system during exigency situation. , 2016, , . | | 0 |
| 32 | Segmentation analysis on magnetic resonance imaging (MRI) with different clustering techniques: Wavelet and BEMD. , 2016, , . | | 3 |
| 33 | A smartphone based application to improve the health care system of Bangladesh. , 2016, , . | | 18 |
| 34 | IoT based autonomous percipient irrigation system using raspberry Pi. , 2016, , . | | 33 |
| 35 | Community Friend: An empirical approach to solve community problems of Bangladesh. , 2015, , . | | 0 |
| 36 | Smartphone based teacher-student interaction enhancement system. , 2015, , . | | 0 |

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|---|---------|-----|-----------|
| 37 | Smart vehicle accident detection and alarming system using a smartphone. , 2015, , . | | 36 |
| 38 | SmartTravel: An approach to redolant Transportation Guiding Application in context of Bangladesh using OpenStreetMap. , 2015, , . | | 0 |
| 39 | Dissipation of waste using dynamic perception and alarming system: A smart city application. , 2015, , . | | 8 |
| 40 | Construction of Single Axis Automatic Solar Tracking System. International Journal of U- and E-Service, Science and Technology, 2015, 8, 389-400. | 0.1 | 5 |
| 41 | Designing a Wireless Sensor Network using Smartphone as data source. , 2014, , . | | 2 |
| 42 | Remote phone controller: An application to control smart phone. , 2014, , . | | 2 |