Ahmed Imteaj

List of Publications by Year
in descending order

42 papers	593 citations	1478280 6 h-index	1199470 12 g-index
42 all docs	42 docs citations	42 times ranked	276 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	An IoT based fire alarming and authentication system for workhouse using Raspberry Pi 3. , 2017, , .		58
3	Smart vehicle accident detection and alarming system using a smartphone. , 2015, , .		36
4	IoT based autonomous percipient irrigation system using raspberry Pi. , 2016, , .		33
5	Distributed Sensing Using Smart End-User Devices: Pathway to Federated Learning for Autonomous IoT. , 2019, , .		32
6	FedAR: Activity and Resource-Aware Federated Learning Model for Distributed Mobile Robots. , 2020, , .		28
7	Data analytics to evaluate the impact of infectious disease on economy: Case study of COVID-19 pandemic. Patterns, 2021, 2, 100315.	3.1	25
8	Federated Deep Learning for Heterogeneous Edge Computing. , 2021, , .		21
9	A smartphone based application to improve the health care system of Bangladesh. , 2016, , .		18
10	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
11	An IoT based Interactive Speech Recognizable Robot with Distance control using Raspberry Pi. , 2018, , .		10
12	Interdependent Networks: A Data Science Perspective. Patterns, 2020, 1, 100003.	3.1	10
13	FedResilience: A Federated Learning Application to Improve Resilience of Resource-Constrained Critical Infrastructures. Electronics (Switzerland), 2021, 10, 1917.	1.8	10
14	Leveraging Decentralized Artificial Intelligence to Enhance Resilience of Energy Networks. , 2020, , .		10
15	Leveraging asynchronous federated learning to predict customers financial distress. Intelligent Systems With Applications, 2022, 14, 200064.	1.9	10
16	Quantifying location privacy in permissioned blockchain-based internet of things (IoT). , 2019, , .		9
17	Dissipation of waste using dynamic perception and alarming system: A smart city application. , 2015, , .		8
18	RoboFI: Autonomous Path Follower Robot for Human Body Detection and Geolocalization for Search and Rescue Missions using Computer Vision and IoT. , 2019, , .		7

#	Article	IF	Citations
19	IoT based energy and gas economic home automation system using Raspberry Pi 3. , 2017, , .		6
20	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
21	Distributed Machine Learning for Resilient Operation of Electric Systems. , 2020, , .		5
22	Unmanned Multiple Railway Gates Controlling and Bi-directional Train Tracking with Alarming System using Principles of IoT. , 2018, , .		4
23	Cascaded Solid State Transformer Structure to Power Fast EV Charging Stations from Medium Voltage Transmission Lines. , 2020, , .		4
24	Segmentation analysis on magnetic resonance imaging (MRI) with different clustering techniques: Wavelet and BEMD. , 2016, , .		3
25	Designing a Wireless Sensor Network using Smartphone as data source. , 2014, , .		2
26	Remote phone controller: An application to control smart phone. , 2014, , .		2
27	A Novel Block Cipher Based on Randomly Shuffled Key Strings. Arabian Journal for Science and Engineering, 2020, 45, 10975-10987.	1.7	2
28	Toward Smart Contract and Consensus Mechanisms of Blockchain. SpringerBriefs in Computer Science, 2021, , 15-28.	0.2	2
29	Distributed machine learning for collaborative mobile robots. , 2020, , .		2
30	An enhanced method of initial cluster center selection for K-means algorithm. , 2021, , .		2
31	Blockchain Interoperability from the Perspective of Interdependent Networks. SpringerBriefs in Computer Science, 2021, , 29-38.	0.2	1
32	Introduction to Blockchain Technology. SpringerBriefs in Computer Science, 2021, , 3-13.	0.2	1
33	Exploiting Federated Learning Technique to Recognize Human Activities in Resource-Constrained Environment. Lecture Notes in Computer Science, 2022, , 659-672.	1.0	1
34	Community Friend: An empirical approach to solve community problems of Bangladesh. , 2015, , .		0
35	Smartphone based teacher-student interaction enhancement system. , 2015, , .		0
36	SmartTravel: An approach to redolant Transportation Guiding Application in context of Bangladesh using OpenStreetMap. , 2015, , .		0

#	Article	IF	Citations
37	Depiction of an interactive prevarication system during exigency situation. , 2016, , .		0
38	Leveraging Blockchain Technology for Artificial Intelligence. SpringerBriefs in Computer Science, 2021, , 51-58.	0.2	0
39	IoT-Enabled Lifelogging Architecture Model to Leverage Healthcare Systems. Advances in Intelligent Systems and Computing, 2021, , 1011-1025.	0.5	0
40	Coupling Blockchain with Emerging Real-Life Applications. SpringerBriefs in Computer Science, 2021, , 59-69.	0.2	0
41	Blockchain Applicability in Internet-of-Things (IoT) Environment. SpringerBriefs in Computer Science, 2021, , 41-50.	0.2	0
42	Distributed Network Optimization for Secure Operation of Interdependent Complex Networks. , 2021, , .		0