Vikas Hassija

List of Publications by Year
in descending order

25 papers	2,696 citations	430754 18 h-index	677027 22 g-index
25 all docs	25 docs citations	25 times ranked	2415 citing authors

#	Article	IF	Citations
1	A Survey on IoT Security: Application Areas, Security Threats, and Solution Architectures. IEEE Access, 2019, 7, 82721-82743.	2.6	851
2	A Comprehensive Review of the COVID-19 Pandemic and the Role of IoT, Drones, AI, Blockchain, and 5G in Managing its Impact. IEEE Access, 2020, 8, 90225-90265.	2.6	802
3	A Blockchain-Based Framework for Lightweight Data Sharing and Energy Trading in V2G Network. IEEE Transactions on Vehicular Technology, 2020, 69, 5799-5812.	3.9	142
4	Scheduling drone charging for multi-drone network based on consensus time-stamp and game theory. Computer Communications, 2020, 149, 51-61.	3.1	89
5	A Review on the Role of Machine Learning in Enabling IoT Based Healthcare Applications. IEEE Access, 2021, 9, 38859-38890.	2.6	87
6	Fast, Reliable, and Secure Drone Communication: A Comprehensive Survey. IEEE Communications Surveys and Tutorials, 2021, 23, 2802-2832.	24.8	84
7	A Survey on Supply Chain Security: Application Areas, Security Threats, and Solution Architectures. IEEE Internet of Things Journal, 2021, 8, 6222-6246.	5.5	76
8	A Distributed Framework for Energy Trading Between UAVs and Charging Stations for Critical Applications. IEEE Transactions on Vehicular Technology, 2020, 69, 5391-5402.	3.9	71
9	DAGIoV: A Framework for Vehicle to Vehicle Communication Using Directed Acyclic Graph and Game Theory. IEEE Transactions on Vehicular Technology, 2020, 69, 4182-4191.	3.9	56
10	Disaster and Pandemic Management Using Machine Learning: A Survey. IEEE Internet of Things Journal, 2021, 8, 16047-16071.	5.5	49
11	A Parking Slot Allocation Framework Based on Virtual Voting and Adaptive Pricing Algorithm. IEEE Transactions on Vehicular Technology, 2020, 69, 5945-5957.	3.9	47
12	Blockchain for 5G: A Prelude to Future Telecommunication. IEEE Network, 2020, 34, 106-113.	4.9	47
13	Security issues in implantable medical devices: Fact or fiction?. Sustainable Cities and Society, 2021, 66, 102552.	5.1	41
14	Traffic Jam Probability Estimation Based on Blockchain and Deep Neural Networks. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 3919-3928.	4.7	38
15	BitFund: A blockchain-based crowd funding platform for future smart and connected nation. Sustainable Cities and Society, 2020, 60, 102145.	5.1	35
16	BlockCom: A Blockchain Based Commerce Model for Smart Communities using Auction Mechanism. , 2019, , .		33
17	A mobile data offloading framework based on a combination of blockchain and virtual voting. Software - Practice and Experience, 2021, 51, 2428-2445.	2.5	30
18	A blockchain and deep neural networks-based secure framework for enhanced crop protection. Ad Hoc Networks, 2021, 119, 102537.	3.4	22

#	Article	IF	Citations
19	A Blockchain and Edge-Computing-Based Secure Framework for Government Tender Allocation. IEEE Internet of Things Journal, 2021, 8, 2409-2418.	5.5	20
20	Artificial intelligence-assisted blockchain-based framework for smart and secure EMR management. Neural Computing and Applications, 2023, 35, 22959-22969.	3.2	20
21	A Framework for Secure Vehicular Network using Advanced Blockchain. , 2020, , .		16
22	Smart water conservation through a machine learning and blockchain-enabled decentralized edge computing network. Applied Soft Computing Journal, 2021, 106, 107274.	4.1	16
23	Framework for determining the suitability of blockchain: Criteria and issues to consider. Transactions on Emerging Telecommunications Technologies, 2021, 32, e4334.	2.6	11
24	A machine learning and blockchain based secure and cost-effective framework for minor medical consultations. Sustainable Computing: Informatics and Systems, 2022, 35, 100651.	1.6	9
25	A Blockchain based Framework for Secure Data Offloading in Tactile Internet Environment. , 2020, , .		4