Sarath Udayasiri Dampage

List of Publications by Year
in descending order

22 papers	311 citations	1163117 8 h-index	1058476 14 g-index
22 all docs	22 docs citations	22 times ranked	116 citing authors

#	Article	IF	Citations
1	Forest fire detection system using wireless sensor networks and machine learning. Scientific Reports, 2022, 12, 46.	3.3	75
2	Investigating the Impact of Economic Uncertainty on Optimal Sizing of Grid-Independent Hybrid Renewable Energy Systems. Processes, 2021, 9, 1468.	2.8	44
3	Techno-Economic Assessment of a Grid-Independent Hybrid Power Plant for Co-Supplying a Remote Micro-Community with Electricity and Hydrogen. Processes, 2021, 9, 1375.	2.8	37
4	SPSO Based Optimal Integration of DGs in Local Distribution Systems under Extreme Load Growth for Smart Cities. Electronics (Switzerland), 2021, 10, 2542.	3.1	25
5	Effective Energy Management via False Data Detection Scheme for the Interconnected Smart Energy Hub–Microgrid System under Stochastic Framework. Sustainability, 2021, 13, 11836.	3.2	25
6	A Multi-Layer Security Scheme for Mitigating Smart Grid Vulnerability against Faults and Cyber-Attacks. Applied Sciences (Switzerland), 2021, 11, 9972.	2.5	24
7	A Cost-Efficient-Based Cooperative Allocation of Mining Devices and Renewable Resources Enhancing Blockchain Architecture. Sustainability, 2021, 13, 10382.	3.2	19
8	Analysis and implementation of multi-port bidirectional converter for hybrid energy systems. Energy Reports, 2022, 8, 1538-1549.	5.1	17
9	A Novel Machine Learning-Based Framework for Optimal and Secure Operation of Static VAR Compensators in EAFs. Sustainability, 2021, 13, 5777.	3.2	8
10	Spatial Augmented Reality Based Customer Satisfaction Enhancement and Monitoring System. IEEE Access, 2021, 9, 97990-98004.	4.2	6
11	Automated virtual elephant fence based on detection, alarming, and coordinated redirection of wild elephants. Environmental Monitoring and Assessment, 2021, 193, 240.	2.7	6
12	A low-latency and energy efficient forward handover scheme for LTE-femtocell networks. , 2013, , .		5
13	Artificial Neural Network for Forecasting of Daily Reservoir Inflow: Case Study of the Kotmale Reservoir in Sri Lanka. , 2020, , .		4
14	Investigating the Impact of Wind Power Integration on Damping Characteristics of Low Frequency Oscillations in Power Systems. Sustainability, 2022, 14, 3841.	3.2	4
15	Combined Classifier-Demodulator Scheme Based on LSTM Architecture. Wireless Communications and Mobile Computing, 2022, 2022, 1-9.	1.2	3
16	Smart and automated fire and power monitoring system. , 2013, , .		2
17	Smart Agricultural Seeds Spreading Drone For Soft Soil Paddy Fields. , 2020, , .		2
18	An Automated Jet Nebulizer with Dynamic Flow Regulation. Journal of Pharmaceutical Innovation, 2021, , 1-11.	2.4	2

#	Article	IF	Citations
19	QoS Aware Energy Efficient Vertical Handover Approach in LTE/WLAN Heterogeneous Networks. , 2020, , .		2
20	Integrated Rescue Group for Landslide Disaster Management. , 2018, , .		1
21	ComBot for Inspection and Fault Monitoring/Reporting of Telecommunication Mast Elements. , 2019, , .		0
22	An Economical Approach for User Behaviour Determination for the Selection of Type of Location Based Services. Engineer: Journal of the Institution of Engineers, Sri Lanka, 2016, 40, 143.	0.2	0