Kuldeep Kumar

List of Publications by Year
in descending order

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15	216	933447 10	1125743 13
papers	citations	h-index	g-index

15	15	15	151
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Dynamic power management based on model predictive control for hybrid-energy-storage-based grid-connected microgrids. International Journal of Electrical Power and Energy Systems, 2022, 143, 108384.	5.5	15
2	Design and Economic Evaluation of Low Voltage DC Microgrid based on Hydrogen Storage. International Journal of Green Energy, 2021, 18, 66-79.	3.8	5
3	Droop based control strategy for balancing the level of hydrogen storage in direct current microgrid application. Journal of Energy Storage, 2021, 33, 102106.	8.1	11
4	Energy management strategy for integration of fuel cell-electrolyzer technologies in microgrid. International Journal of Hydrogen Energy, 2021, 46, 33738-33755.	7.1	21
5	Effect of Hydrogen Enrichment Strategy on Performance and Emission Features of Biodiesel-Biogas Dual Fuel Engine Using Simulation and Experimental Analyses. Journal of Energy Resources Technology, Transactions of the ASME, 2021, 143, .	2.3	12
6	Analysis of metal hydride storage on the basis of thermophysical properties and its application in microgrid. Energy Conversion and Management, 2020, 222, 113217.	9.2	21
7	Renewable sources based DC microgrid using hydrogen energy storage: Modelling and experimental analysis. Sustainable Energy Technologies and Assessments, 2020, 42, 100840.	2.7	23
8	Effect of hysteresis band control strategy on energy efficiency and durability of solar-hydrogen storage based microgrid in partial cloudy condition. Journal of Energy Storage, 2020, 32, 101936.	8.1	20
9	Technoâ€economic analysis of metal hydrideâ€based energy storage system in microgrid. Energy Storage, 2019, 1, e62.	4.3	10
10	Design and analysis of fuel cell and photovoltaic based 110â€‰V DC microgrid using hydrogen energy storage. Energy Storage, 2019, 1, e60.	4.3	15
11	Operational characteristics of metal hydride energy storage system in microgrid. Energy Conversion and Management, 2019, 187, 176-190.	9.2	24
12	Comparative efficiency analysis for silicon, silicon carbide MOSFETs and IGBT device for DCâ€“DC boost converter. SN Applied Sciences, 2019, 1, 1.	2.9	11
13	A Study on DC Microgrids Voltages based on Photovoltaic and Fuel Cell Power Generators. , 2018, , .		11
14	Performance characterization of zero carbon emission microgrid in subtropical climate based on experimental energy and exergy analyses. Energy Conversion and Management, 2017, 154, 224-243.	9.2	15
15	Implementation of PV-FC hybrid micro grid with grid interactive feature. , 2016, , .		2