

Kuldeep Kumar

List of Publications by Year in descending order

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15
papers

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932766

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1125271

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times ranked

151
citing authors

#	ARTICLE	IF	CITATIONS
1	Operational characteristics of metal hydride energy storage system in microgrid. <i>Energy Conversion and Management</i> , 2019, 187, 176-190.	4.4	24
2	Renewable sources based DC microgrid using hydrogen energy storage: Modelling and experimental analysis. <i>Sustainable Energy Technologies and Assessments</i> , 2020, 42, 100840.	1.7	23
3	Analysis of metal hydride storage on the basis of thermophysical properties and its application in microgrid. <i>Energy Conversion and Management</i> , 2020, 222, 113217.	4.4	21
4	Energy management strategy for integration of fuel cell-electrolyzer technologies in microgrid. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 33738-33755.	3.8	21
5	Effect of hysteresis band control strategy on energy efficiency and durability of solar-hydrogen storage based microgrid in partial cloudy condition. <i>Journal of Energy Storage</i> , 2020, 32, 101936.	3.9	20
6	Performance characterization of zero carbon emission microgrid in subtropical climate based on experimental energy and exergy analyses. <i>Energy Conversion and Management</i> , 2017, 154, 224-243.	4.4	15
7	Design and analysis of fuel cell and photovoltaic based 110V DC microgrid using hydrogen energy storage. <i>Energy Storage</i> , 2019, 1, e60.	2.3	15
8	Dynamic power management based on model predictive control for hybrid-energy-storage-based grid-connected microgrids. <i>International Journal of Electrical Power and Energy Systems</i> , 2022, 143, 108384.	3.3	15
9	Effect of Hydrogen Enrichment Strategy on Performance and Emission Features of Biodiesel-Biogas Dual Fuel Engine Using Simulation and Experimental Analyses. <i>Journal of Energy Resources Technology</i> , Transactions of the ASME, 2021, 143, .	1.4	12
10	A Study on DC Microgrids Voltages based on Photovoltaic and Fuel Cell Power Generators. , 2018, , .		11
11	Comparative efficiency analysis for silicon, silicon carbide MOSFETs and IGBT device for DC-DC boost converter. <i>SN Applied Sciences</i> , 2019, 1, 1.	1.5	11
12	Droop based control strategy for balancing the level of hydrogen storage in direct current microgrid application. <i>Journal of Energy Storage</i> , 2021, 33, 102106.	3.9	11
13	Techno-economic analysis of metal hydride-based energy storage system in microgrid. <i>Energy Storage</i> , 2019, 1, e62.	2.3	10
14	Design and Economic Evaluation of Low Voltage DC Microgrid based on Hydrogen Storage. <i>International Journal of Green Energy</i> , 2021, 18, 66-79.	2.1	5
15	Implementation of PV-FC hybrid micro grid with grid interactive feature. , 2016, , .		2