

Daniel Burmester

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

377
citations

1162367

8
h-index

1473754

9
g-index

25
all docs

25
docs citations

25
times ranked

376
citing authors

#	ARTICLE	IF	CITATIONS
1	A review of nanogrid topologies and technologies. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 67, 760-775.	8.2	174
2	Strategic design optimisation of multi-energy-storage-technology micro-grids considering a two-stage game-theoretic market for demand response aggregation. <i>Applied Energy</i> , 2021, 287, 116563.	5.1	36
3	Research Insights and Knowledge Headways for Developing Remote, Off-Grid Microgrids in Developing Countries. <i>Energies</i> , 2019, 12, 2008.	1.6	24
4	Łvy-flight moth-flame optimisation algorithm-based micro-grid equipment sizing: An integrated investment and operational planning approach. <i>Energy and AI</i> , 2021, 3, 100047.	5.8	21
5	Modelling utility-aggregator-customer interactions in interruptible load programmes using non-cooperative game theory. <i>International Journal of Electrical Power and Energy Systems</i> , 2021, 133, 107183.	3.3	19
6	Community Resilience-Oriented Optimal Micro-Grid Capacity Expansion Planning: The Case of Totarabank Eco-Village, New Zealand. <i>Energies</i> , 2020, 13, 3970.	1.6	15
7	Off-Grid Multi-Carrier Microgrid Design Optimisation: The Case of Rakiura“Stewart Island, Aotearoa“New Zealand. <i>Energies</i> , 2021, 14, 6522.	1.6	15
8	Use of Maximum Power Point Tracking Signal for Instantaneous Management of Thermostatically Controlled Loads in a DC Nanogrid. <i>IEEE Transactions on Smart Grid</i> , 2018, 9, 6140-6148.	6.2	11
9	Optimal Sizing of an Islanded Micro-Grid Using Meta-Heuristic Optimization Algorithms Considering Demand-Side Management. , 2018, , .		10
10	A Sustainable Energy Investment Planning Model Based on the Micro-Grid Concept Using Recent Metaheuristic Optimization Algorithms. , 2019, , .		10
11	Stochastic Optimal Sizing of Micro-Grids Using the Moth-Flame Optimization Algorithm. , 2019, , .		9
12	Solar Atlas of New Zealand from satellite imagery. <i>Journal of the Royal Society of New Zealand</i> , 2020, 50, 572-583.	1.0	6
13	Lightning protection analysis of main shaft bearings in wind turbine generators. , 2016, , .		4
14	Single Ended Primary Inductor Converter reliance of efficiency on switching frequency for use in MPPT application. , 2013, , .		3
15	A comparison between temperature and current sensing in photovoltaic maximum power point tracking. , 2014, , .		3
16	Distributed generation nanogrid load control system. , 2015, , .		3
17	Impact of large-scale integration of distributed photovoltaic with the distribution network. , 2016, , .		3
18	Defining a remote village typology to improve the technical standard for off-grid electrification system design. , 2018, , .		3

#	ARTICLE	IF	CITATIONS
19	A Game-Theoretic Approach to Model Interruptible Loads: Application to Micro-Grid Planning. , 2020, , .		3
20	Instantaneous nanogrid control using maximum power point tracking signal. , 2016, , .		2
21	A combined control strategy for load management within an interconnected nanogrid network. , 2017, , .		1
22	Power Quality Considerations in the Planning Phase of Stand-Alone Wind-Powered Micro-Grids. , 2020, , .		1
23	Adding a Computationally-Tractable Probabilistic Dimension to Meta-Heuristic-Based Microgrid Sizing. , 2021, , .		1
24	Instantaneous control of a DC water heater for a PV system. , 2016, , .		0
25	Sustainable Microgrids for Remote Communities: A Practical Framework for Analyzing and Designing. , 2021, , 477-505.		0