

Matthew Deakin

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

128
citations

1478505

6
h-index

1474206

9
g-index

17
all docs

17
docs citations

17
times ranked

126
citing authors

#	ARTICLE	IF	CITATIONS
1	Conic Optimization for Electric Vehicle Station Smart Charging With Battery Voltage Constraints. IEEE Transactions on Transportation Electrification, 2020, 6, 478-487.	7.8	29
2	OPEN: An open-source platform for developing smart local energy system applications. Applied Energy, 2020, 275, 115397.	10.1	23
3	The case for Bi-directional charging of electric vehicles in low voltage distribution networks. Applied Energy, 2020, 259, 114214.	10.1	21
4	Impacts of heat decarbonization on system adequacy considering increased meteorological sensitivity. Applied Energy, 2021, 298, 117261.	10.1	11
5	Coordinated electric vehicle charging to reduce losses without network impedances. IET Smart Grid, 2020, 3, 677-685.	2.2	11
6	Voltage regulation of large scale PV: A comparative case study. , 2017, , .		6
7	Hourly historical and near-future weather and climate variables for energy system modelling. Earth System Science Data, 2022, 14, 2749-2766.	9.9	6
8	Hybrid European MV–LV Network Models for Smart Distribution Network Modelling. , 2021, , .		5
9	Hybrid Open Points: An Efficient Tool for Increasing Network Capacity in Distribution Systems. IEEE Transactions on Power Delivery, 2022, 37, 1340-1343.	4.3	5
10	Voltage control loss factors for quantifying DG reactive power control impacts on losses and curtailment. IET Generation, Transmission and Distribution, 2022, 16, 2049-2062.	2.5	4
11	The Value of Reactive Power for Voltage Control in Lossy Networks. , 2018, , .		2
12	Loss Induced Maximum Power Transfer in Distribution Networks. , 2018, , .		2
13	Calculations of System Adequacy Considering Heat Transition Pathways. , 2020, , .		2
14	Control of Pervasive Domestic-Scale Inverters for Minimizing Total Feeder Power. Electric Power Systems Research, 2020, 189, 106770.	3.6	1
15	Analysis of Network Impacts of Frequency Containment Provided by Domestic-Scale Devices Using Matrix Factorization. IEEE Transactions on Power Systems, 2021, 36, 5697-5707.	6.5	0
16	Capacity Value of Interconnectors for Resource Adequacy Assessment in Multi-Region Systems. , 2022, , .		0
17	Comparing Generator Unavailability Models with Empirical Distributions from Open Energy Datasets. , 2022, , .		0