

Matthias Fripp

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

569
citations

1040056

9
h-index

1125743

13
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21
all docs

21
docs citations

21
times ranked

798
citing authors

#	ARTICLE	IF	CITATIONS
1	High-resolution modeling of the western North American power system demonstrates low-cost and low-carbon futures. <i>Energy Policy</i> , 2012, 43, 436-447.	8.8	144
2	Switch: A Planning Tool for Power Systems with Large Shares of Intermittent Renewable Energy. <i>Environmental Science & Technology</i> , 2012, 46, 6371-6378.	10.0	110
3	A life cycle assessment of biodiesel derived from the "niche filling" energy crop camelina in the USA. <i>Applied Energy</i> , 2012, 92, 92-98.	10.1	77
4	Trading away damage: Quantifying environmental leakage through consumption-based, life-cycle analysis. <i>Ecological Economics</i> , 2007, 63, 563-577.	5.7	70
5	Switch 2.0: A modern platform for planning high-renewable power systems. <i>SoftwareX</i> , 2019, 10, 100251.	2.6	57
6	Parametric methods for probabilistic forecasting of solar irradiance. <i>Renewable Energy</i> , 2018, 129, 666-676.	8.9	32
7	Greenhouse Gas Emissions from Operating Reserves Used to Backup Large-Scale Wind Power. <i>Environmental Science & Technology</i> , 2011, 45, 9405-9412.	10.0	23
8	Unbalanced Current Sharing Control in Islanded Low Voltage Microgrids. <i>Energies</i> , 2018, 11, 2776.	3.1	22
9	Multi-Objective Control of Air Conditioning Improves Cost, Comfort and System Energy Balance. <i>Energies</i> , 2018, 11, 2373.	3.1	10
10	Online and batch methods for solar radiation forecast under asymmetric cost functions. <i>Renewable Energy</i> , 2016, 91, 397-408.	8.9	9
11	Stochastic optimization of comfort-centered model of electrical water heater using mixed integer linear programming. <i>Sustainable Energy Technologies and Assessments</i> , 2020, 42, 100834.	2.7	8
12	Intercomparison between Switch 2.0 and GE MAPS models for simulation of high-renewable power systems in Hawaii. <i>Energy, Sustainability and Society</i> , 2018, 8, .	3.8	3
13	Online solar radiation forecasting under asymmetric cost functions. , 2014, , .		1
14	Multitier decentralized control scheme using energy storage unit and load management in inverter-based AC microgrids. <i>Turkish Journal of Electrical Engineering and Computer Sciences</i> , 2017, 25, 735-751.	1.4	1