

Peter Stenzel

List of Publications by Year in descending order

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29
papers

1,031
citations

471371

17
h-index

580701

25
g-index

29
all docs

29
docs citations

29
times ranked

1281
citing authors

#	ARTICLE	IF	CITATIONS
1	Techno-economic analysis of photovoltaic battery systems and the influence of different consumer load profiles. <i>Applied Energy</i> , 2017, 185, 2019-2025.	5.1	181
2	The development of stationary battery storage systems in Germany – A market review. <i>Journal of Energy Storage</i> , 2020, 29, 101153.	3.9	148
3	Life Cycle Assessment and resource analysis of all-solid-state batteries. <i>Applied Energy</i> , 2016, 169, 757-767.	5.1	87
4	Impact analysis of different operation strategies for battery energy storage systems providing primary control reserve. <i>Journal of Energy Storage</i> , 2016, 8, 320-338.	3.9	81
5	Flexible sector coupling with hydrogen: A climate-friendly fuel supply for road transport. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 12918-12930.	3.8	60
6	The development of stationary battery storage systems in Germany – status 2020. <i>Journal of Energy Storage</i> , 2021, 33, 101982.	3.9	49
7	Design and evaluation of hydrogen electricity reconversion pathways in national energy systems using spatially and temporally resolved energy system optimization. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 9594-9607.	3.8	43
8	Model-based Economic Assessment of Stationary Battery Systems Providing Primary Control Reserve. <i>Energy Procedia</i> , 2016, 99, 11-24.	1.8	35
9	Hybrid Hydrogen Home Storage for Decentralized Energy Autonomy. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 21748-21763.	3.8	34
10	Techno-economic evaluation of battery energy storage systems on the primary control reserve market under consideration of price trends and bidding strategies. <i>Journal of Energy Storage</i> , 2018, 17, 345-356.	3.9	32
11	Concept and potential of pumped hydro storage in federal waterways. <i>Applied Energy</i> , 2016, 162, 486-493.	5.1	29
12	Renewable energies for Graciosa Island, Azores – Life Cycle Assessment of electricity generation. <i>Energy Procedia</i> , 2017, 135, 62-74.	1.8	29
13	Price development and bidding strategies for battery energy storage systems on the primary control reserve market. <i>Energy Procedia</i> , 2017, 135, 143-157.	1.8	27
14	Bottom-up energy supply optimization of a national building stock. <i>Energy and Buildings</i> , 2020, 209, 109667.	3.1	24
15	Site-specific potential analysis for pressure retarded osmosis (PRO) power plants – The Leñn River example. <i>Renewable Energy</i> , 2014, 68, 466-474.	4.3	22
16	Primary control provided by large-scale battery energy storage systems or fossil power plants in Germany and related environmental impacts. <i>Journal of Energy Storage</i> , 2016, 8, 300-310.	3.9	22
17	Life Cycle Assessment of Primary Control Provision by Battery Storage Systems and Fossil Power Plants. <i>Energy Procedia</i> , 2015, 73, 69-78.	1.8	17
18	Impact of Different Load Profiles on Cost Optimal System Designs for Battery Supported PV Systems. <i>Energy Procedia</i> , 2015, 75, 1862-1868.	1.8	15

#	ARTICLE	IF	CITATIONS
19	Environmental impacts of electricity generation for Graciosa Island, Azores. <i>Journal of Energy Storage</i> , 2018, 15, 292-303.	3.9	14
20	Reducing Computational Load for Mixed Integer Linear Programming: An Example for a District and an Island Energy System. <i>Energies</i> , 2019, 12, 2825.	1.6	14
21	Database development and evaluation for techno-economic assessments of electrochemical energy storage systems. , 2014, , .		13
22	LoadProfileGenerator: An Agent-Based Behavior Simulation for Generating Residential Load Profiles. <i>Journal of Open Source Software</i> , 2022, 7, 3574.	2.0	13
23	Techno-economic analysis of photovoltaic battery system configuration and location. <i>Applied Energy</i> , 2018, 227, 497-505.	5.1	12
24	Performance of a photovoltaic plus battery home system with load profile scenarios changing over the system life. <i>Energy Procedia</i> , 2017, 142, 3252-3257.	1.8	8
25	Emergency power supply from photovoltaic battery systems in private households in case of a blackout – A scenario analysis. <i>Energy Procedia</i> , 2018, 155, 165-178.	1.8	8
26	Impact of temporal resolution of supply and demand profiles on the design of photovoltaic battery systems for increased self-consumption. , 2016, , .		7
27	Analysis of the market conditions for storage in the German day-ahead and secondary control market. , 2013, , .		5
28	Reducing Carbon Emissions from the Tourist Accommodation Sector on Non-Interconnected Islands: A Case Study of a Medium-Sized Hotel in Rhodes, Greece. <i>Energies</i> , 2022, 15, 3801.	1.6	2
29	Elektrochemische Speicher. , 2015, , 157-214.		0