Jonas HÃ¶rsch

List of Publications by Year
in descending order

15	806	840585 11	1281743 11
papers	citations	h-index	g-index

16	16	16	646
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The strong effect of network resolution on electricity system models with high shares of wind and solar. Applied Energy, 2021, 291, 116726.	5.1	52
2	atlite: A Lightweight Python Package for Calculating Renewable Power Potentials and Time Series. Journal of Open Source Software, 2021, 6, 3294.	2.0	36
3	Counter-intuitive behaviour of energy system models under CO2 caps and prices. Energy, 2019, 170, 22-30.	4.5	12
4	Performing energy modelling exercises in a transparent way - The issue of data quality in power plant databases. Energy Strategy Reviews, 2019, 23, 1-12.	3.3	31
5	Flow-based nodal cost allocation in a heterogeneous highly renewable European electricity network. Energy, 2018, 150, 122-133.	4.5	15
6	From the development of an open-source energy modelling tool to its application and the creation of communities of practice: The example of OSeMOSYS. Energy Strategy Reviews, 2018, 20, 209-228.	3.3	82
7	Linear optimal power flow using cycle flows. Electric Power Systems Research, 2018, 158, 126-135.	2.1	55
8	Flow tracing as a tool set for the analysis of networked large-scale renewable electricity systems. International Journal of Electrical Power and Energy Systems, 2018, 96, 390-397.	3.3	22
9	Flow-Based Analysis of Storage Usage in a Low-Carbon European Electricity Scenario. , 2018, , .		6
10	PyPSA-Eur: An open optimisation model of the European transmission system. Energy Strategy Reviews, 2018, 22, 207-215.	3.3	157
11	PyPSA: Python for Power System Analysis. Journal of Open Research Software, 2018, 6, 4.	2.7	254
12	Dual Theory of Transmission Line Outages. IEEE Transactions on Power Systems, 2017, 32, 4060-4068.	4.6	28
13	The role of spatial scale in joint optimisations of generation and transmission for European highly renewable scenarios. , 2017, , .		35
14	pyam: Analysis and visualisation of integrated assessment and macro-energy scenarios. Open Research Europe, 0, 1, 74.	2.0	2
15	pyam: Analysis and visualisation of integrated assessment and macro-energy scenarios. Open Research Europe, 0, 1, 74.	2.0	15