

# Lion Hirth

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5059141/publications.pdf>

Version: 2024-02-01

44  
papers

4,122  
citations

270111

25  
h-index

388640

36  
g-index

45  
all docs

45  
docs citations

45  
times ranked

3617  
citing authors

#	ARTICLE	IF	CITATIONS
1	Blue hydrogen and industrial base products: The future of fossil fuel exporters in a net-zero world. <i>Journal of Cleaner Production</i> , 2022, 363, 132347.	4.6	11
2	On capital utilization in the hydrogen economy: The quest to minimize idle capacity in renewables-rich energy systems. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 169-188.	3.8	49
3	A multi-country meta-analysis on the role of behavioural change in reducing energy consumption and CO2 emissions in residential buildings. <i>Nature Energy</i> , 2021, 6, 925-932.	19.8	66
4	Electricity balancing as a market equilibrium: An instrument-based estimation of supply and demand for imbalance energy. <i>Energy Economics</i> , 2021, 102, 105455.	5.6	20
5	Flexible power and hydrogen production: Finding synergy between CCS and variable renewables. <i>Energy</i> , 2020, 192, 116671.	4.5	37
6	Open data for electricity modeling: Legal aspects. <i>Energy Strategy Reviews</i> , 2020, 27, 100433.	3.3	9
7	Heating with wind: Economics of heat pumps and variable renewables. <i>Energy Economics</i> , 2020, 92, 104967.	5.6	28
8	Reforming the electric power industry in developing economies evidence on efficiency and electricity access outcomes. <i>Energy Policy</i> , 2020, 139, 111348.	4.2	18
9	Short-term electricity trading for system balancing: An empirical analysis of the role of intraday trading in balancing Germany's electricity system. <i>Renewable and Sustainable Energy Reviews</i> , 2019, 113, 109275.	8.2	50
10	Time series of heat demand and heat pump efficiency for energy system modeling. <i>Scientific Data</i> , 2019, 6, 189.	2.4	94
11	Eyes on the Price: Which Power Generation Technologies Set the Market Price? Price Setting in European Electricity Markets: An Application to the Proposed Dutch Carbon Price Floor. <i>SSRN Electronic Journal</i> , 2019, , .	0.4	1
12	Open Power System Data – Frictionless data for electricity system modelling. <i>Applied Energy</i> , 2019, 236, 401-409.	5.1	69
13	Technology-Neutral Auctions for Renewable Energy: EU Law vs. Member State Reality. <i>Journal for European Environmental and Planning Law</i> , 2019, 16, 386-406.	0.3	3
14	Opening the black box of energy modelling: Strategies and lessons learned. <i>Energy Strategy Reviews</i> , 2018, 19, 63-71.	3.3	168
15	The ENTSO-E Transparency Platform – A review of Europe's most ambitious electricity data platform. <i>Applied Energy</i> , 2018, 225, 1054-1067.	5.1	128
16	What Caused the Drop in European Electricity Prices? A Factor Decomposition Analysis. <i>Energy Journal</i> , 2018, 39, 143-158.	0.9	69
17	The importance of open data and software: Is energy research lagging behind?. <i>Energy Policy</i> , 2017, 101, 211-215.	4.2	245
18	What Caused the Drop in European Electricity Prices?. <i>SSRN Electronic Journal</i> , 2016, , .	0.4	4

#	ARTICLE	IF	CITATIONS
19	The Market Value of Wind and Solar Power: An Analytical Approach. SSRN Electronic Journal, 2016, , .	0.4	7
20	The role of capital costs in decarbonizing the electricity sector. Environmental Research Letters, 2016, 11, 114010.	2.2	134
21	System-friendly wind power. Energy Economics, 2016, 56, 51-63.	5.6	122
22	The benefits of flexibility: The value of wind energy with hydropower. Applied Energy, 2016, 181, 210-223.	5.1	154
23	Carpe diem: A novel approach to select representative days for long-term power system modeling. Energy, 2016, 112, 430-442.	4.5	200
24	Why Wind Is Not Coal: On the Economics of Electricity Generation. Energy Journal, 2016, 37, 1-28.	0.9	77
25	Minimal Thermal Generation in Power Systems - Inferring Private Cost Parameters from Observed Firm Behavior. SSRN Electronic Journal, 2015, , .	0.4	6
26	Market value of solar power: Is photovoltaics costâ€¢competitive?. IET Renewable Power Generation, 2015, 9, 37-45.	1.7	92
27	Balancing power and variable renewables: Three links. Renewable and Sustainable Energy Reviews, 2015, 50, 1035-1051.	8.2	243
28	Integration costs revisited â€“ An economic framework for wind and solar variability. Renewable Energy, 2015, 74, 925-939.	4.3	365
29	The Optimal Share of Variable Renewables: How the Variability of Wind and Solar Power affects their Welfare-optimal Deployment. Energy Journal, 2015, 36, 149-184.	0.9	109
30	Why Wind is Not Coal: On the Economics of Electricity. SSRN Electronic Journal, 2014, , .	0.4	4
31	System LCOE: What are the costs of variable renewables?. Energy, 2013, 63, 61-75.	4.5	423
32	On the economics of renewable energy sources. Energy Economics, 2013, 40, S12-S23.	5.6	222
33	Redistribution effects of energy and climate policy: The electricity market. Energy Policy, 2013, 62, 934-947.	4.2	79
34	Control power and variable renewables. , 2013, , .		13
35	The market value of variable renewables. Energy Economics, 2013, 38, 218-236.	5.6	598
36	System LCOE: What are the Costs of Variable Renewables?. SSRN Electronic Journal, 2013, , .	0.4	21

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37	The Optimal Share of Variable Renewables. How the Variability of Wind and Solar Power Affects Their Welfare-Optimal Deployment. SSRN Electronic Journal, 2013, , .	0.4	3
38	Carbon Lock-Out: Advancing Renewable Energy Policy in Europe. Energies, 2012, 5, 323-354.	1.6	103
39	Integration Costs and the Value of Wind Power. SSRN Electronic Journal, 0, , .	0.4	40
40	The Optimal Share of Variable Renewables. SSRN Electronic Journal, 0, , .	0.4	11
41	Integration Costs and the Value of Wind Power. SSRN Electronic Journal, 0, , .	0.4	3
42	Short-Term Electricity Trading for System Balancing - An Empirical Analysis of the Role of Intraday Trading in Balancing Germany's Electricity System. SSRN Electronic Journal, 0, , .	0.4	1
43	Balancing Power and Variable Renewables: A Glimpse at German Data. SSRN Electronic Journal, 0, , .	0.4	7
44	How Much Electricity Do We Consume? A Guide to German and European Electricity Consumption and Generation Data. SSRN Electronic Journal, 0, , .	0.4	6