

Bjarne Steffen

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

34
papers

1,083
citations

18
h-index

32
g-index

40
ext. papers

1,587
ext. citations

19.1
avg, IF

6.08
L-index

#	Paper	IF	Citations
34	Prospects for pumped-hydro storage in Germany. <i>Energy Policy</i> , 2012 , 45, 420-429	7.2	129
33	The importance of project finance for renewable energy projects. <i>Energy Economics</i> , 2018 , 69, 280-294	8.3	102
32	How do policies mobilize private finance for renewable energy? A systematic review with an investor perspective. <i>Applied Energy</i> , 2019 , 236, 1249-1268	10.7	99
31	A dynamic analysis of financing conditions for renewable energy technologies. <i>Nature Energy</i> , 2018 , 3, 1084-1092	62.3	98
30	The multiple roles of state investment banks in low-carbon energy finance: An analysis of Australia, the UK and Germany. <i>Energy Policy</i> , 2018 , 115, 158-170	7.2	96
29	Estimating the cost of capital for renewable energy projects. <i>Energy Economics</i> , 2020 , 88, 104783	8.3	69
28	Efficient storage capacity in power systems with thermal and renewable generation. <i>Energy Economics</i> , 2013 , 36, 556-567	8.3	48
27	Renewable energy investment risk: An investigation of changes over time and the underlying drivers. <i>Energy Policy</i> , 2020 , 140, 111428	7.2	39
26	Additional Emissions and Cost from Storing Electricity in Stationary Battery Systems. <i>Environmental Science & Technology</i> , 2019 , 53, 3379-3390	10.3	34
25	Optimal operation of pumped-hydro storage plants with continuous time-varying power prices. <i>European Journal of Operational Research</i> , 2016 , 252, 308-321	5.6	33
24	Experience Curves for Operations and Maintenance Costs of Renewable Energy Technologies. <i>Joule</i> , 2020 , 4, 359-375	27.8	31
23	Adverse effects of rising interest rates on sustainable energy transitions. <i>Nature Sustainability</i> , 2019 , 2, 879-885	22.1	30
22	Opening new markets for clean energy: The role of project developers in the global diffusion of renewable energy technologies. <i>Business and Politics</i> , 2018 , 20, 553-587	1.9	26
21	Regulatory risk and the resilience of new sustainable business models in the energy sector. <i>Journal of Cleaner Production</i> , 2019 , 219, 865-878	10.3	23
20	Bias in energy system models with uniform cost of capital assumption. <i>Nature Communications</i> , 2019 , 10, 4588	17.4	22
19	A quantitative analysis of 10 multilateral development banks' investment in conventional and renewable power-generation technologies from 2006 to 2015. <i>Nature Energy</i> , 2019 , 4, 75-82	62.3	22
18	Projecting the Competition between Energy-Storage Technologies in the Electricity Sector. <i>Joule</i> , 2020 , 4, 2162-2184	27.8	19

17	Measuring whether municipal climate networks make a difference: the case of utility-scale solar PV investment in large global cities. <i>Climate Policy</i> , 2019 , 19, 908-922	5.3	12
16	The politics of climate finance: Consensus and partisanship in designing green state investment banks in the United Kingdom and Australia. <i>Energy Research and Social Science</i> , 2020 , 69, 101583	7.7	10
15	Historical and projected improvements in net energy performance of power generation technologies. <i>Energy and Environmental Science</i> , 2018 , 11, 3524-3530	35.4	9
14	Understanding and accounting for the effect of exchange rate fluctuations on global learning rates. <i>Nature Energy</i> , 2020 , 5, 71-78	62.3	8
13	Profitability of commercial and industrial photovoltaics and battery projects in South-East-Asia. <i>Applied Energy</i> , 2020 , 271, 115218	10.7	7
12	The effect of differentiating costs of capital by country and technology on the European energy transition. <i>Climatic Change</i> , 2021 , 167, 1	4.5	5
11	Strengthen finance in sustainability transitions research. <i>Environmental Innovation and Societal Transitions</i> , 2021 ,	7.6	4
10	A comparative analysis of green financial policy output in OECD countries. <i>Environmental Research Letters</i> , 2021 , 16, 074031	6.2	4
9	Estimating the Cost of Capital for Renewable Energy Projects. <i>SSRN Electronic Journal</i> , 2019 ,	1	3
8	Comparing CO2 emissions impacts of electricity storage across applications and energy systems. <i>Joule</i> , 2021 , 5, 1501-1520	27.8	2
7	Determinants of fossil fuel divestment in European pension funds. <i>Ecological Economics</i> , 2022 , 191, 107237	2.3	2
6	Generation portfolios with intermittent renewables: Is pumped-storage the efficient complement? 2012 ,		1
5	Safeguarding the energy transition against political backlash to carbon markets. <i>Nature Energy</i> , 2022 , 7, 290-296	62.3	1
4	Financing the energy transition: four insights and avenues for future research. <i>Environmental Research Letters</i> , 2022 , 17, 051003	6.2	1
3	State ownership and technology adoption: The case of electric utilities and renewable energy. <i>Research Policy</i> , 2022 , 51, 104534	7.5	1
2	Analyzing the competitiveness of low-carbon drive-technologies in road-freight: A total cost of ownership analysis in Europe. <i>Applied Energy</i> , 2022 , 306, 118079	10.7	0
1	The Role of Public Banks in Catalyzing Private Renewable Energy Finance 2020 , 197-215		