

# David E H J Gernaat

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9572078/publications.pdf>

Version: 2024-02-01

21  
papers

2,847  
citations

430874

18  
h-index

677142

22  
g-index

22  
all docs

22  
docs citations

22  
times ranked

3603  
citing authors

#	ARTICLE	IF	CITATIONS
1	Energy, land-use and greenhouse gas emissions trajectories under a green growth paradigm. <i>Global Environmental Change</i> , 2017, 42, 237-250.	7.8	523
2	Alternative pathways to the 1.5°C target reduce the need for negative emission technologies. <i>Nature Climate Change</i> , 2018, 8, 391-397.	18.8	455
3	Climate change impacts on renewable energy supply. <i>Nature Climate Change</i> , 2021, 11, 119-125.	18.8	218
4	Exploring SSP land-use dynamics using the IMAGE model: Regional and gridded scenarios of land-use change and land-based climate change mitigation. <i>Global Environmental Change</i> , 2018, 48, 119-135.	7.8	202
5	High-resolution assessment of global technical and economic hydropower potential. <i>Nature Energy</i> , 2017, 2, 821-828.	39.5	186
6	Impacts of climate change on energy systems in global and regional scenarios. <i>Nature Energy</i> , 2020, 5, 794-802.	39.5	180
7	Afforestation for climate change mitigation: Potentials, risks and trade-offs. <i>Global Change Biology</i> , 2020, 26, 1576-1591.	9.5	162
8	Limited emission reductions from fuel subsidy removal except in energy-exporting regions. <i>Nature</i> , 2018, 554, 229-233.	27.8	125
9	Global resource potential of seasonal pumped hydropower storage for energy and water storage. <i>Nature Communications</i> , 2020, 11, 947.	12.8	121
10	Looking under the hood: A comparison of techno-economic assumptions across national and global integrated assessment models. <i>Energy</i> , 2019, 172, 1254-1267.	8.8	107
11	Assessing current and future techno-economic potential of concentrated solar power and photovoltaic electricity generation. <i>Energy</i> , 2015, 89, 739-756.	8.8	98
12	Hydropower dependency and climate change in sub-Saharan Africa: A nexus framework and evidence-based review. <i>Journal of Cleaner Production</i> , 2019, 231, 1399-1417.	9.3	90
13	Evaluating the use of biomass energy with carbon capture and storage in low emission scenarios. <i>Environmental Research Letters</i> , 2018, 13, 044014.	5.2	81
14	Integrated scenarios to support analysis of the food-energy-water nexus. <i>Nature Sustainability</i> , 2019, 2, 1132-1141.	23.7	79
15	Understanding the contribution of non-carbon dioxide gases in deep mitigation scenarios. <i>Global Environmental Change</i> , 2015, 33, 142-153.	7.8	75
16	The role of residential rooftop photovoltaic in long-term energy and climate scenarios. <i>Applied Energy</i> , 2020, 279, 115705.	10.1	50
17	The role of methane in future climate strategies: mitigation potentials and climate impacts. <i>Climatic Change</i> , 2020, 163, 1409-1425.	3.6	39
18	Global long-term cost dynamics of offshore wind electricity generation. <i>Energy</i> , 2014, 76, 663-672.	8.8	28

#	ARTICLE	IF	CITATIONS
19	A systematic framework for the assessment of sustainable hydropower potential in a river basin – The case of the upper Indus. <i>Science of the Total Environment</i> , 2021, 786, 147142.	8.0	18
20	Reply to: Why fossil fuel producer subsidies matter. <i>Nature</i> , 2020, 578, E5-E7.	27.8	3
21	Climate change impacts on the energy system: a model comparison. <i>Environmental Research Letters</i> , 2022, 17, 034036.	5.2	3