

Jessica Strefler

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

5,605
citations

361045

20
h-index

642321

23
g-index

28
all docs

28
docs citations

28
times ranked

6080
citing authors

#	ARTICLE	IF	CITATIONS
1	Impact of declining renewable energy costs on electrification in low-emission scenarios. <i>Nature Energy</i> , 2022, 7, 32-42.	19.8	196
2	Alternative carbon price trajectories can avoid excessive carbon removal. <i>Nature Communications</i> , 2021, 12, 2264.	5.8	55
3	Integrated assessment model diagnostics: key indicators and model evolution. <i>Environmental Research Letters</i> , 2021, 16, 054046.	2.2	36
4	Carbon dioxide removal technologies are not born equal. <i>Environmental Research Letters</i> , 2021, 16, 074021.	2.2	45
5	A sustainable development pathway for climate action within the UN 2030 Agenda. <i>Nature Climate Change</i> , 2021, 11, 656-664.	8.1	179
6	REMIND2.1: transformation and innovation dynamics of the energy-economic system within climate and sustainability limits. <i>Geoscientific Model Development</i> , 2021, 14, 6571-6603.	1.3	34
7	Global energy sector emission reductions and bioenergy use: overview of the bioenergy demand phase of the EMF-33 model comparison. <i>Climatic Change</i> , 2020, 163, 1553-1568.	1.7	112
8	Bio-energy and CO ₂ emission reductions: an integrated land-use and energy sector perspective. <i>Climatic Change</i> , 2020, 163, 1675-1693.	1.7	23
9	EMF-33 insights on bioenergy with carbon capture and storage (BECCS). <i>Climatic Change</i> , 2020, 163, 1621-1637.	1.7	30
10	Scenarios towards limiting global mean temperature increase below 1.5 °C. <i>Nature Climate Change</i> , 2018, 8, 325-332.	8.1	795
11	Potential and costs of carbon dioxide removal by enhanced weathering of rocks. <i>Environmental Research Letters</i> , 2018, 13, 034010.	2.2	152
12	Pathways limiting warming to 1.5°C: a tale of turning around in no time?. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2018, 376, 20160457.	1.6	84
13	Between Scylla and Charybdis: Delayed mitigation narrows the passage between large-scale CDR and high costs. <i>Environmental Research Letters</i> , 2018, 13, 044015.	2.2	73
14	Fossil-fueled development (SSP5): An energy and resource intensive scenario for the 21st century. <i>Global Environmental Change</i> , 2017, 42, 297-315.	3.6	418
15	The Shared Socioeconomic Pathways and their energy, land use, and greenhouse gas emissions implications: An overview. <i>Global Environmental Change</i> , 2017, 42, 153-168.	3.6	2,966
16	How climate metrics affect global mitigation strategies and costs: a multi-model study. <i>Climatic Change</i> , 2016, 136, 203-216.	1.7	9
17	Understanding the contribution of non-carbon dioxide gases in deep mitigation scenarios. <i>Global Environmental Change</i> , 2015, 33, 142-153.	3.6	75
18	Future energy system challenges for Africa: Insights from Integrated Assessment Models. <i>Energy Policy</i> , 2015, 86, 705-717.	4.2	31

#	ARTICLE	IF	CITATIONS
19	Economic impacts of alternative greenhouse gas emission metrics: a model-based assessment. Climatic Change, 2014, 123, 319-331.	1.7	23
20	The value of bioenergy in low stabilization scenarios: an assessment using REMIND-MAgPIE. Climatic Change, 2014, 123, 705-718.	1.7	81
21	Can air pollutant controls change global warming?. Environmental Science and Policy, 2014, 41, 33-43.	2.4	11
22	Development without energy? Assessing future scenarios of energy consumption in developing countries. Ecological Economics, 2013, 90, 53-67.	2.9	88
23	Techno-Economic Review of Direct Air Capture Systems for Large Scale Mitigation of Atmospheric CO2. SSRN Electronic Journal, 0, , .	0.4	35
24	Description of the REMIND Model (Version 1.6). SSRN Electronic Journal, 0, , .	0.4	46