

Johannes Emmerling

List of Publications by Year in descending order

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Version: 2024-02-01

45
papers

6,981
citations

279487

23
h-index

233125

45
g-index

48
all docs

48
docs citations

48
times ranked

6982
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Scenarios towards limiting global mean temperature increase below 1.5 °C. <i>Nature Climate Change</i> , 2018, 8, 325-332.	8.1	795
3	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
4	Residual fossil CO ₂ emissions in 1.5 °C pathways. <i>Nature Climate Change</i> , 2018, 8, 626-633.	8.1	380
5	Energy investment needs for fulfilling the Paris Agreement and achieving the Sustainable Development Goals. <i>Nature Energy</i> , 2018, 3, 589-599.	19.8	377
6	Shared Socio-Economic Pathways of the Energy Sector – Quantifying the Narratives. <i>Global Environmental Change</i> , 2017, 42, 316-330.	3.6	247
7	Taking stock of national climate policies to evaluate implementation of the Paris Agreement. <i>Nature Communications</i> , 2020, 11, 2096.	5.8	241
8	A multi-model assessment of food security implications of climate change mitigation. <i>Nature Sustainability</i> , 2019, 2, 386-396.	11.5	152
9	Implications of various effort-sharing approaches for national carbon budgets and emission pathways. <i>Climatic Change</i> , 2020, 162, 1805-1822.	1.7	131
10	Limited emission reductions from fuel subsidy removal except in energy-exporting regions. <i>Nature</i> , 2018, 554, 229-233.	13.7	125
11	Interaction of consumer preferences and climate policies in the global transition to low-carbon vehicles. <i>Nature Energy</i> , 2018, 3, 664-673.	19.8	122
12	Exploring the possibility space: taking stock of the diverse capabilities and gaps in integrated assessment models. <i>Environmental Research Letters</i> , 2021, 16, 053006.	2.2	84
13	The role of the discount rate for emission pathways and negative emissions. <i>Environmental Research Letters</i> , 2019, 14, 104008.	2.2	80
14	Managing Catastrophic Climate Risks Under Model Uncertainty Aversion. <i>Management Science</i> , 2017, 63, 749-765.	2.4	64
15	The Stability and Effectiveness of Climate Coalitions. <i>Environmental and Resource Economics</i> , 2015, 62, 811-836.	1.5	51
16	Persistent inequality in economically optimal climate policies. <i>Nature Communications</i> , 2021, 12, 3421.	5.8	44
17	Meeting well-below 2 °C target would increase energy sector jobs globally. <i>One Earth</i> , 2021, 4, 1026-1036.	3.6	44
18	Energy system developments and investments in the decisive decade for the Paris Agreement goals. <i>Environmental Research Letters</i> , 2021, 16, 074020.	2.2	41

#	ARTICLE	IF	CITATIONS
19	Net zero-emission pathways reduce the physical and economic risks of climate change. <i>Nature Climate Change</i> , 2021, 11, 1070-1076.	8.1	39
20	Early retirement of power plants in climate mitigation scenarios. <i>Environmental Research Letters</i> , 2020, 15, 094064.	2.2	38
21	The WITCH 2016 Model - Documentation and Implementation of the Shared Socioeconomic Pathways. <i>SSRN Electronic Journal</i> , 0, , .	0.4	37
22	Integrated assessment model diagnostics: key indicators and model evolution. <i>Environmental Research Letters</i> , 2021, 16, 054046.	2.2	36
23	Integrated perspective on translating biophysical to economic impacts of climate change. <i>Nature Climate Change</i> , 2021, 11, 563-572.	8.1	34
24	Land-based implications of early climate actions without global net-negative emissions. <i>Nature Sustainability</i> , 2021, 4, 1052-1059.	11.5	27
25	Reducing stranded assets through early action in the Indian power sector. <i>Environmental Research Letters</i> , 2020, 15, 094091.	2.2	25
26	Inequality and the Social Cost of Carbon. <i>Journal of the Association of Environmental and Resource Economists</i> , 2019, 6, 243-273.	1.0	24
27	Bearing the Cost of Stored Carbon Leakage. <i>Frontiers in Energy Research</i> , 2018, 6, .	1.2	23
28	Climate impacts on nutrition and labor supply disentangled – an analysis for rural areas of Uganda. <i>Environment and Development Economics</i> , 2021, 26, 512-537.	1.3	20
29	Representing inequalities in integrated assessment modeling of climate change. <i>One Earth</i> , 2021, 4, 177-180.	3.6	19
30	Future Global Air Quality Indices under Different Socioeconomic and Climate Assumptions. <i>Sustainability</i> , 2018, 10, 3645.	1.6	17
31	Transport fuel demand responses to fuel price and income projections: Comparison of integrated assessment models. <i>Transportation Research, Part D: Transport and Environment</i> , 2017, 55, 310-321.	3.2	16
32	Discounting and the representative median agent. <i>Economics Letters</i> , 2017, 161, 78-81.	0.9	13
33	Climate engineering under deep uncertainty. <i>Journal of Economic Dynamics and Control</i> , 2018, 94, 207-224.	0.9	13
34	Exploration of the interactions between mitigation and solar radiation management in cooperative and non-cooperative international governance settings. <i>Global Environmental Change</i> , 2018, 53, 244-251.	3.6	12
35	Car ownership and hedonic adaptation. <i>Journal of Economic Psychology</i> , 2017, 61, 29-38.	1.1	10
36	Climate Engineering and Abatement: A – Relationship Under Uncertainty. <i>Environmental and Resource Economics</i> , 2018, 69, 395-415.	1.5	10

#	ARTICLE	IF	CITATIONS
37	WELFARE AS EQUITY EQUIVALENTS. Journal of Economic Surveys, 2020, 34, 727-752.	3.7	10
38	Climate policy under socio-economic scenario uncertainty. Environmental Modelling and Software, 2016, 79, 334-342.	1.9	9
39	Discounting and intragenerational equity. Environment and Development Economics, 2018, 23, 19-36.	1.3	8
40	Climate thresholds and heterogeneous regions: Implications for coalition formation. Review of International Organizations, 2021, 16, 293-316.	2.0	6
41	Subjective Well-Being at the Macro Level – Empirics and Future Scenarios. Social Indicators Research, 2021, 157, 899-928.	1.4	4
42	Reply to: Why fossil fuel producer subsidies matter. Nature, 2020, 578, E5-E7.	13.7	3
43	SHARING OF CLIMATE RISKS ACROSS WORLD REGIONS. Climate Change Economics, 2018, 09, 1850007.	2.9	2
44	International Migration Projections across Skill Levels in the Shared Socioeconomic Pathways. Sustainability, 2022, 14, 4757.	1.6	2
45	Welfare As Simple(X) Equity Equivalents. SSRN Electronic Journal, 0, , .	0.4	1