

# Matthias Weitzel

## List of Publications by Year in descending order

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28  
papers

617  
citations

686830

13  
h-index

642321

23  
g-index

29  
all docs

29  
docs citations

29  
times ranked

687  
citing authors

#	ARTICLE	IF	CITATIONS
1	Economy-wide impacts of road transport electrification in the EU. <i>Technological Forecasting and Social Change</i> , 2022, 182, 121803.	6.2	14
2	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
3	Climate policy design, competitiveness and income distribution: A macro-micro assessment for 11 EU countries. <i>Energy Economics</i> , 2021, 103, 105538.	5.6	16
4	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
5	Cost and attainability of meeting stringent climate targets without overshoot. <i>Nature Climate Change</i> , 2021, 11, 1063-1069.	8.1	102
6	Parallel Extended Path Method for Solving Perfect Foresight Models. <i>Computational Economics</i> , 2020, 58, 517.	1.5	2
7	Quantifying air quality co-benefits of climate policy across sectors and regions. <i>Climatic Change</i> , 2020, 163, 1501-1517.	1.7	36
8	Modelling consumption and constructing long-term baselines in final demand. , 2020, 5, 63-108.		12
9	Linking global CGE models with sectoral models to generate baseline scenarios: Approaches, opportunities and pitfalls. , 2020, 5, 162-195.		22
10	Including bottom-up emission abatement technologies in a large-scale global economic model for policy assessments. <i>Energy Economics</i> , 2019, 83, 254-263.	5.6	11
11	Model-based assessments for long-term climate strategies. <i>Nature Climate Change</i> , 2019, 9, 345-347.	8.1	22
12	Avoided economic impacts of climate change on agriculture: integrating a land surface model (CLM) with a global economic model (iPETS). <i>Climatic Change</i> , 2018, 146, 517-531.	1.7	36
13	The Benefits of Reduced Anthropogenic Climate change (BRACE): a synthesis. <i>Climatic Change</i> , 2018, 146, 287-301.	1.7	27
14	Parallel parameter optimization algorithm in dynamic general equilibrium models. <i>IFAC-PapersOnLine</i> , 2018, 51, 562-567.	0.5	2
15	Economic and biophysical impacts on agriculture under 1.5 °C and 2 °C warming. <i>Environmental Research Letters</i> , 2018, 13, 115006.	2.2	10
16	Parallel algorithm for solving and calibrating dynamic general equilibrium models. , 2018, , .		0
17	The role of uncertainty in future costs of key CO <sub>2</sub> abatement technologies: a sensitivity analysis with a global computable general equilibrium model. <i>Mitigation and Adaptation Strategies for Global Change</i> , 2017, 22, 153-173.	1.0	4
18	Who gains from technological advancement? The role of policy design when cost development for key abatement technologies is uncertain. <i>Environmental Economics and Policy Studies</i> , 2017, 19, 151-181.	0.8	2

#	ARTICLE	IF	CITATIONS
19	Cooperation on Climate Change under Economic Linkages: How the Inclusion of Macroeconomic Effects Affects Stability of a Global Climate Coalition. <i>Energy Journal</i> , 2017, 38, 19-42.	0.9	5
20	Reaching a climate agreement: compensating for energy market effects of climate policy. <i>Climate Policy</i> , 2016, 16, 993-1010.	2.6	12
21	Effects of international climate policy for India: evidence from a national and global CGE model. <i>Environment and Development Economics</i> , 2015, 20, 516-538.	1.3	7
22	Determinants of technology transfer through the CDM: a within-country analysis for China. <i>Climate Policy</i> , 2015, 15, 626-646.	2.6	9
23	Multi-model comparison of the economic and energy implications for China and India in an international climate regime. <i>Mitigation and Adaptation Strategies for Global Change</i> , 2015, 20, 1335-1359.	1.0	39
24	Emissions embodied in Chinese exports taking into account the special export structure of China. <i>Energy Economics</i> , 2014, 45, 45-52.	5.6	51
25	Fair, optimal or detrimental? Environmental vs. strategic use of border carbon adjustment. <i>Energy Economics</i> , 2012, 34, S198-S207.	5.6	52
26	Comment on "Comparing the feed-in tariff incentives for renewable electricity in Ontario and Germany" by Mabee, Mannion, and Carpenter. <i>Energy Policy</i> , 2012, 44, 485-486.	4.2	2
27	Emission allowances and mitigation costs of China and India resulting from different effort-sharing approaches. <i>Energy Policy</i> , 2012, 46, 116-134.	4.2	38
28	Development of low-carbon power technologies and the stability of international climate cooperation. <i>Climate Change Economics</i> , 0, , .	2.9	1