Matthias Weitzel

List of Publications by Year
in descending order

28	617	686830 13	642321 23
papers	citations	h-index	g-index

29	29	29	687
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Cost and attainability of meeting stringent climate targets without overshoot. Nature Climate Change, 2021, 11, 1063-1069.	8.1	102
2	Fair, optimal or detrimental? Environmental vs. strategic use of border carbon adjustment. Energy Economics, 2012, 34, S198-S207.	5.6	52
3	Emissions embodied in Chinese exports taking into account the special export structure of China. Energy Economics, 2014, 45, 45-52.	5.6	51
4	Energy system developments and investments in the decisive decade for the Paris Agreement goals. Environmental Research Letters, 2021, 16, 074020.	2.2	41
5	Multi-model comparison of the economic and energy implications for China and India in an international climate regime. Mitigation and Adaptation Strategies for Global Change, 2015, 20, 1335-1359.	1.0	39
6	Net zero-emission pathways reduce the physical and economic risks of climate change. Nature Climate Change, 2021, 11, 1070-1076.	8.1	39
7	Emission allowances and mitigation costs of China and India resulting from different effort-sharing approaches. Energy Policy, 2012, 46, 116-134.	4.2	38
8	Avoided economic impacts of climate change on agriculture: integrating a land surface model (CLM) with a global economic model (iPETS). Climatic Change, 2018, 146, 517-531.	1.7	36
9	Quantifying air quality co-benefits of climate policy across sectors and regions. Climatic Change, 2020, 163, 1501-1517.	1.7	36
10	The Benefits of Reduced Anthropogenic Climate changE (BRACE): a synthesis. Climatic Change, 2018, 146, 287-301.	1.7	27
11	Model-based assessments for long-term climate strategies. Nature Climate Change, 2019, 9, 345-347.	8.1	22
12	Linking global CGE models with sectoral models to generate baseline scenarios: Approaches, opportunities and pitfalls. , 2020, 5, 162-195.		22
13	Climate policy design, competitiveness and income distribution: A macro-micro assessment for 11 EU countries. Energy Economics, 2021, 103, 105538.	5.6	16
14	Economy-wide impacts of road transport electrification in the EU. Technological Forecasting and Social Change, 2022, 182, 121803.	6.2	14
15	Reaching a climate agreement: compensating for energy market effects of climate policy. Climate Policy, 2016, 16, 993-1010.	2.6	12
16	Modelling consumption and constructing long-term baselines in final demand. , 2020, 5, 63-108.		12
17	Including bottom-up emission abatement technologies in a large-scale global economic model for policy assessments. Energy Economics, 2019, 83, 254-263.	5.6	11
18	Economic and biophysical impacts on agriculture under 1.5 Â°C and 2 Â°C warming. Environmental Research Letters, 2018, 13, 115006.	2.2	10

#	Article	IF	Citations
19	Determinants of technology transfer through the CDM: a within-country analysis for China. Climate Policy, 2015, 15, 626-646.	2.6	9
20	Effects of international climate policy for India: evidence from a national and global CGE model. Environment and Development Economics, 2015, 20, 516-538.	1.3	7
21	Cooperation on Climate Change under Economic Linkages: How the Inclusion of Macroeconomic Effects Affects Stability of a Global Climate Coalition. Energy Journal, 2017, 38, 19-42.	0.9	5
22	The role of uncertainty in future costs of key CO2 abatement technologies: a sensitivity analysis with a global computable general equilibrium model. Mitigation and Adaptation Strategies for Global Change, 2017, 22, 153-173.	1.0	4
23	Comment on â€œComparing the feed-in tariff incentives for renewable electricity in Ontario and Germanyâ€•by Mabee, Mannion, and Carpenter. Energy Policy, 2012, 44, 485-486.	4.2	2
24	Who gains from technological advancement? The role of policy design when cost development for key abatement technologies is uncertain. Environmental Economics and Policy Studies, 2017, 19, 151-181.	0.8	2
25	Parallel parameter optimization algorithm in dynamic general equilibrium models. IFAC-PapersOnLine, 2018, 51, 562-567.	0.5	2
26	Parallel Extended Path Method for Solving Perfect Foresight Models. Computational Economics, 2020, 58, 517.	1.5	2
27	Development of low-carbon power technologies and the stability of international climate cooperation. Climate Change Economics, 0, , .	2.9	1
28	Parallel algorithm for solving and calibrating dynamic general equilibrium models. , 2018, , .		0