

# Fabian Wagner

## List of Publications by Year in descending order

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Version: 2024-02-01

37  
papers

3,215  
citations

236612

25  
h-index

329751

37  
g-index

38  
all docs

38  
docs citations

38  
times ranked

3747  
citing authors

#	ARTICLE	IF	CITATIONS
1	The 2021 report of the Lancet Countdown on health and climate change: code red for a healthy future. <i>Lancet</i> , The, 2021, 398, 1619-1662.	6.3	669
2	Cost-effective control of air quality and greenhouse gases in Europe: Modeling and policy applications. <i>Environmental Modelling and Software</i> , 2011, 26, 1489-1501.	1.9	578
3	Regional and Global Emissions of Air Pollutants: Recent Trends and Future Scenarios. <i>Annual Review of Environment and Resources</i> , 2013, 38, 31-55.	5.6	166
4	Co-benefits of energy efficiency improvement and air pollution abatement in the Chinese iron and steel industry. <i>Energy</i> , 2014, 78, 333-345.	4.5	151
5	Potential for concentrating solar power to provide baseload and dispatchable power. <i>Nature Climate Change</i> , 2014, 4, 689-692.	8.1	146
6	How to spend a dwindling greenhouse gas budget. <i>Nature Climate Change</i> , 2018, 8, 7-10.	8.1	119
7	Reduction of solar photovoltaic resources due to air pollution in China. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 11867-11872.	3.3	112
8	The impact of human health co-benefits on evaluations of global climate policy. <i>Nature Communications</i> , 2019, 10, 2095.	5.8	99
9	Managing China's coal power plants to address multiple environmental objectives. <i>Nature Sustainability</i> , 2018, 1, 693-701.	11.5	98
10	Air quality, health, and climate implications of China's synthetic natural gas development. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 4887-4892.	3.3	90
11	Operationalizing the net-negative carbon economy. <i>Nature</i> , 2021, 596, 377-383.	13.7	87
12	Substantial air quality and climate co-benefits achievable now with sectoral mitigation strategies in China. <i>Science of the Total Environment</i> , 2017, 598, 1076-1084.	3.9	73
13	Reducing global air pollution: the scope for further policy interventions. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2020, 378, 20190331.	1.6	70
14	Impact of population growth and population ethics on climate change mitigation policy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 12338-12343.	3.3	64
15	Modeling energy efficiency to improve air quality and health effects of China's cement industry. <i>Applied Energy</i> , 2016, 184, 574-593.	5.1	63
16	On the financial viability of negative emissions. <i>Nature Communications</i> , 2019, 10, 1783.	5.8	59
17	Integrated assessment of resource-energy-environment nexus in China's iron and steel industry. <i>Journal of Cleaner Production</i> , 2019, 232, 235-249.	4.6	58
18	Exploring the driving forces of energy consumption and environmental pollution in China's cement industry at the provincial level. <i>Journal of Cleaner Production</i> , 2018, 184, 274-285.	4.6	54

#	ARTICLE	IF	CITATIONS
19	Climate, air quality and human health benefits of various solar photovoltaic deployment scenarios in China in 2030. <i>Environmental Research Letters</i> , 2018, 13, 064002.	2.2	53
20	Air qualityâ€“carbonâ€“water synergies and trade-offs in Chinaâ€™s natural gas industry. <i>Nature Sustainability</i> , 2018, 1, 505-511.	11.5	49
21	Cost-effective management of coastal eutrophication: A case study for the Yangtze river basin. <i>Resources, Conservation and Recycling</i> , 2020, 154, 104635.	5.3	38
22	Household contributions to and impacts from air pollution in India. <i>Nature Sustainability</i> , 2021, 4, 859-867.	11.5	37
23	Assessing the macroeconomic impacts of individual behavioral changes on carbon emissions. <i>Climatic Change</i> , 2020, 158, 141-160.	1.7	36
24	Sectoral marginal abatement cost curves: implications for mitigation pledges and air pollution co-benefits for Annex I countries. <i>Sustainability Science</i> , 2012, 7, 169-184.	2.5	34
25	Carbon emission trading and carbon taxes under uncertainties. <i>Climatic Change</i> , 2010, 103, 277-289.	1.7	32
26	Using large ensembles of climate change mitigation scenarios for robust insights. <i>Nature Climate Change</i> , 2022, 12, 428-435.	8.1	28
27	Short-term solar and wind variability in long-term energy system models - A European case study. <i>Energy</i> , 2020, 209, 118377.	4.5	22
28	The Critical Role of Policy Enforcement in Achieving Health, Air Quality, and Climate Benefits from Indiaâ€™s Clean Electricity Transition. <i>Environmental Science &amp; Technology</i> , 2020, 54, 11720-11731.	4.6	22
29	The Contribution of Non-CO2 Greenhouse Gas Mitigation to Achieving Long-Term Temperature Goals. <i>Energies</i> , 2017, 10, 602.	1.6	21
30	Response of electricity sector air pollution emissions to drought conditions in the western United States. <i>Environmental Research Letters</i> , 2018, 13, 124032.	2.2	20
31	The Deployment of Low Carbon Technologies in Energy Intensive Industries: A Macroeconomic Analysis for Europe, China and India. <i>Energies</i> , 2017, 10, 360.	1.6	17
32	Optimal Climate Policy and the Future of World Economic Development. <i>World Bank Economic Review</i> , 2019, 33, 21-40.	1.4	13
33	Protecting the poor with a carbon tax and equal per capita dividend. <i>Nature Climate Change</i> , 2021, 11, 1025-1026.	8.1	11
34	The importance of health co-benefits under different climate policy cooperation frameworks. <i>Environmental Research Letters</i> , 2021, 16, 055027.	2.2	10
35	Incorporating political-feasibility concerns into the assessment of India's clean-air policies. <i>One Earth</i> , 2021, 4, 1163-1174.	3.6	10
36	Mitigation here and now or there and then: the role of co-benefits. <i>Carbon Management</i> , 2012, 3, 325-327.	1.2	3

#	ARTICLE	IF	CITATIONS
37	On the limits to solar thermal power: A reply to Trainer. Energy Policy, 2014, 75, 424-425.	4.2	3