

Paul Behrens

List of Publications by Year in descending order

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46
papers

2,873
citations

218381

26
h-index

223531

46
g-index

46
all docs

46
docs citations

46
times ranked

3101
citing authors

#	ARTICLE	IF	CITATIONS
1	Dietary change in high-income nations alone can lead to substantial double climate dividend. <i>Nature Food</i> , 2022, 3, 29-37.	6.2	70
2	Shared and environmentally just responsibility for global biodiversity loss. <i>Ecological Economics</i> , 2022, 194, 107339.	2.9	20
3	Different Material Footprint Trends between China and the World in 2007-2012 Explained by Construction- and Manufacturing-associated Investment. <i>One Earth</i> , 2022, 5, 109-119.	3.6	27
4	Climate change and CCS increase the water vulnerability of China's thermoelectric power fleet. <i>Energy</i> , 2022, 245, 123339.	4.5	16
5	Biodiversity Loss from Freshwater Use for China's Electricity Generation. <i>Environmental Science & Technology</i> , 2022, 56, 3277-3287.	4.6	1
6	Increasing material efficiencies of buildings to address the global sand crisis. <i>Nature Sustainability</i> , 2022, 5, 389-392.	11.5	26
7	Global Human Consumption Threatens Key Biodiversity Areas. <i>Environmental Science & Technology</i> , 2022, 56, 9003-9014.	4.6	7
8	A triple bottom line assessment of concentrated solar power generation in China and Europe 2020-2050. <i>Renewable and Sustainable Energy Reviews</i> , 2022, 167, 112677.	8.2	6
9	Environmental impacts of the nutrition transition and potential hunger eradication in emerging countries. <i>Sustainability Science</i> , 2021, 16, 565-579.	2.5	6
10	The energy-water nexus of China's interprovincial and seasonal electric power transmission. <i>Applied Energy</i> , 2021, 286, 116493.	5.1	20
11	The evolution and future perspectives of energy intensity in the global building sector 1971-2060. <i>Journal of Cleaner Production</i> , 2021, 305, 127098.	4.6	12
12	A review of dynamic models and stability analysis for a hydro-turbine governing system. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 144, 110880.	8.2	38
13	Global greenhouse gas emissions from residential and commercial building materials and mitigation strategies to 2060. <i>Nature Communications</i> , 2021, 12, 6126.	5.8	92
14	Linking global crop and livestock consumption to local production hotspots. <i>Global Food Security</i> , 2020, 25, 100323.	4.0	23
15	Drivers of CO2 emissions from electricity generation in the European Union 2000-2015. <i>Renewable and Sustainable Energy Reviews</i> , 2020, 133, 110104.	8.2	31
16	Improving Subnational Input-Output Analyses Using Regional Trade Data: A Case-Study and Comparison. <i>Environmental Science & Technology</i> , 2020, 54, 12732-12741.	4.6	17
17	Energy use in the global food system. <i>Journal of Industrial Ecology</i> , 2020, 24, 830-840.	2.8	21
18	Rebound effects may jeopardize the resource savings of circular consumption: evidence from household material footprints. <i>Environmental Research Letters</i> , 2020, 15, 104044.	2.2	33

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19	Driving forces of household carbon emissions in China: A spatial decomposition analysis. <i>Journal of Cleaner Production</i> , 2019, 233, 932-945.	4.6	59
20	Water use of electricity technologies: A global meta-analysis. <i>Renewable and Sustainable Energy Reviews</i> , 2019, 115, 109391.	8.2	96
21	Microplastics accumulate on pores in seed capsule and delay germination and root growth of the terrestrial vascular plant <i>Lepidium sativum</i> . <i>Chemosphere</i> , 2019, 226, 774-781.	4.2	453
22	Opportunity for a Dietary Win-Win-Win in Nutrition, Environment, and Animal Welfare. <i>One Earth</i> , 2019, 1, 349-360.	3.6	36
23	Provincial and sector-level material footprints in China. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 26484-26490.	3.3	60
24	Going Global to Local: Connecting Top-Down Accounting and Local Impacts, A Methodological Review of Spatially Explicit Input-Output Approaches. <i>Environmental Science & Technology</i> , 2019, 53, 1048-1062.	4.6	29
25	Environmental responsibility for sulfur dioxide emissions and associated biodiversity loss across Chinese provinces. <i>Environmental Pollution</i> , 2019, 245, 898-908.	3.7	33
26	The impact of seating location on black carbon exposure in public transit buses: Implications for vulnerable groups. <i>Transportation Research, Part D: Transport and Environment</i> , 2018, 62, 577-583.	3.2	15
27	Carbon overhead: The impact of the expansion in low-carbon electricity in China 2015-2040. <i>Energy Policy</i> , 2018, 119, 97-104.	4.2	26
28	The evolution of inter-sectoral linkages in China's energy-related CO2 emissions from 1997 to 2012. <i>Energy Economics</i> , 2018, 69, 404-417.	5.6	44
29	Trade-offs between social and environmental Sustainable Development Goals. <i>Environmental Science and Policy</i> , 2018, 90, 65-72.	2.4	167
30	Impact of non-fossil electricity on the carbon emissions embodied in China's exports. <i>Journal of Cleaner Production</i> , 2018, 192, 582-596.	4.6	17
31	Modeling oscillation modal interaction in a hydroelectric generating system. <i>Energy Conversion and Management</i> , 2018, 174, 208-217.	4.4	52
32	The impact of the expansion in non-fossil electricity infrastructure on China's carbon emissions. <i>Applied Energy</i> , 2018, 228, 1994-2008.	5.1	23
33	The spatial extent of renewable and non-renewable power generation: A review and meta-analysis of power densities and their application in the U.S.. <i>Energy Policy</i> , 2018, 123, 83-91.	4.2	103
34	Uncertainty of Consumption-Based Carbon Accounts. <i>Environmental Science & Technology</i> , 2018, 52, 7577-7586.	4.6	67
35	Microplastic pollution on Caribbean beaches in the Lesser Antilles. <i>Marine Pollution Bulletin</i> , 2018, 133, 442-447.	2.3	86
36	The effect of community consultation on perceptions of a proposed mine: A case study from southeast Australia. <i>Resources Policy</i> , 2017, 51, 163-171.	4.2	33

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37	Determining global distribution of microplastics by combining citizen science and in-depth case studies. <i>Integrated Environmental Assessment and Management</i> , 2017, 13, 536-541.	1.6	36
38	A large-scale investigation of microplastic contamination: Abundance and characteristics of microplastics in European beach sediment. <i>Marine Pollution Bulletin</i> , 2017, 123, 219-226.	2.3	321
39	Climate change and the vulnerability of electricity generation to water stress in the European Union. <i>Nature Energy</i> , 2017, 2, .	19.8	78
40	Evaluating the environmental impacts of dietary recommendations. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 13412-13417.	3.3	199
41	A standardized method for sampling and extraction methods for quantifying microplastics in beach sand. <i>Marine Pollution Bulletin</i> , 2017, 114, 77-83.	2.3	252
42	The expected impacts of mining: Stakeholder perceptions of a proposed mineral sands mine in rural Australia. <i>Resources Policy</i> , 2016, 48, 129-136.	4.2	32
43	Environmental, economic, and social impacts of feed-in tariffs: A Portuguese perspective 2000-2010. <i>Applied Energy</i> , 2016, 173, 309-319.	5.1	48
44	Underestimation of Monostatic Sodar Measurements in Complex Terrain. <i>Boundary-Layer Meteorology</i> , 2012, 143, 97-106.	1.2	9
45	Corrections for Wind-Speed Errors from Sodar and Lidar in Complex Terrain. <i>Boundary-Layer Meteorology</i> , 2012, 143, 37-48.	1.2	29
46	A Multisodar Approach to Wind Profiling. <i>Journal of Atmospheric and Oceanic Technology</i> , 2010, 27, 1165-1174.	0.5	4