Laura Scherer

List of Publications by Year
in descending order

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49 papers	1,877 citations	257357 24 h-index	265120 42 g-index
51 all docs	51 docs citations	51 times ranked	2225 citing authors

#	Article	IF	Citations
1	Trade-offs between social and environmental Sustainable Development Goals. Environmental Science and Policy, 2018, 90, 65-72.	2.4	167
2	Understanding the LCA and ISO water footprint: A response to Hoekstra (2016) â€œA critique on the water-scarcity weighted water footprint in LCAâ€• Ecological Indicators, 2017, 72, 352-359.	2.6	158
3	Global water footprint assessment of hydropower. Renewable Energy, 2016, 99, 711-720.	4.3	104
4	Water use of electricity technologies: A global meta-analysis. Renewable and Sustainable Energy Reviews, 2019, 115, 109391.	8.2	96
5	Opportunities for sustainable intensification in European agriculture. Global Environmental Change, 2018, 48, 43-55.	3.6	90
6	Conceptualising fields of action for sustainable intensification â€“ A systematic literature review and application to regional case studies. Agriculture, Ecosystems and Environment, 2018, 257, 68-80.	2.5	83
7	Life Cycle Assessment of Food Systems. One Earth, 2019, 1, 292-297.	3.6	83
8	A MCDM-based framework for selection of general circulation models and projection of spatio-temporal rainfall changes: A case study of Nigeria. Atmospheric Research, 2019, 225, 1-16.	1.8	73
9	Dietary change in high-income nations alone can lead to substantial double climate dividend. Nature Food, 2022, 3, 29-37.	6.2	70
10	Hydropower's Biogenic Carbon Footprint. PLoS ONE, 2016, 11, e0161947.	1.1	69
11	Framework for integrating animal welfare into life cycle sustainability assessment. International Journal of Life Cycle Assessment, 2018, 23, 1476-1490.	2.2	64
12	Greenhouse gas emissions of hydropower in the Mekong River Basin. Environmental Research Letters, 2018, 13, 034030.	2.2	63
13	Global Biodiversity Loss by Freshwater Consumption and Eutrophication from Swiss Food Consumption. Environmental Science & Technology, 2016, 50, 7019-7028.	4.6	55
14	Mapping and linking supply- and demand-side measures in climate-smart agriculture. A review. Agronomy for Sustainable Development, 2017, 37, 1.	2.2	55
15	Modelling spatially explicit impacts from phosphorus emissions in agriculture. International Journal of Life Cycle Assessment, 2015, 20, 785-795.	2.2	48
16	Dealing with uncertainty in water scarcity footprints. Environmental Research Letters, 2016, 11, 054008.	2.2	42
17	The challenge of sample-stabilisation in the era of multi-residue analytical methods: A practical guideline for the stabilisation of 46 organic micropollutants in aqueous samples. Science of the Total Environment, 2013, 454-455, 289-298.	3.9	41
18	Global priorities of environmental issues to combat food insecurity and biodiversity loss. Science of the Total Environment, 2020, 730, 139096.	3.9	39

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19	Opportunity for a Dietary Win-Win-Win in Nutrition, Environment, and Animal Welfare. One Earth, 2019, 1, 349-360.	3.6	36
20	China's potential SO2 emissions from coal by 2050. Energy Policy, 2020, 147, 111856.	4.2	34
21	Environmental responsibility for sulfur dioxide emissions and associated biodiversity loss across Chinese provinces. Environmental Pollution, 2019, 245, 898-908.	3.7	33
22	Large-Scale Hydrological Modeling for Calculating Water Stress Indices: Implications of Improved Spatiotemporal Resolution, Surface-Groundwater Differentiation, and Uncertainty Characterization. Environmental Science & Technology, 2015, 49, 4971-4979.	4.6	30
23	Balancing food production within the planetary water boundary. Journal of Cleaner Production, 2020, 253, 119900.	4.6	29
24	BRIC and MINT countries' environmental impacts rising despite alleviative consumption patterns. Science of the Total Environment, 2019, 665, 52-60.	3.9	26
25	Water-scarcity footprints and water productivities indicate unsustainable wheat production in China. Agricultural Water Management, 2019, 224, 105744.	2.4	25
26	Linking country level food supply to global land and water use and biodiversity impacts: The case of Finland. Science of the Total Environment, 2017, 575, 33-40.	3.9	24
27	Linking global crop and livestock consumption to local production hotspots. Global Food Security, 2020, 25, 100323.	4.0	23
28	Uncertainty analysis of the environmental sustainability of biofuels. Energy, Sustainability and Society, 2015, 5, .	1.7	20
29	The energy-water nexus of Chinaâ€™s interprovincial and seasonal electric power transmission. Applied Energy, 2021, 286, 116493.	5.1	20
30	Shared and environmentally just responsibility for global biodiversity loss. Ecological Economics, 2022, 194, 107339.	2.9	20
31	Water scarcity footprint of hydropower based on a seasonal approach - Global assessment with sensitivities of model assumptions tested on specific cases. Science of the Total Environment, 2020, 724, 138188.	3.9	18
32	A Multimedia Hydrological Fate Modeling Framework To Assess Water Consumption Impacts in Life Cycle Assessment. Environmental Science & Technology, 2018, 52, 4658-4667.	4.6	17
33	Climate change and CCS increase the water vulnerability of China's thermoelectric power fleet. Energy, 2022, 245, 123339.	4.5	16
34	Characterizing Land Use Impacts on Functional Plant Diversity for Life Cycle Assessments. Environmental Science & Technology, 2020, 54, 6486-6495.	4.6	13
35	Species loss from land use of oil palm plantations in Thailand. Ecological Indicators, 2021, 133, 108444.	2.6	13
36	Relationships of priming effects with organic amendment composition and soil microbial properties. Geoderma, 2022, 422, 115951.	2.3	10

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37	Advancing the application of a model-independent open-source geospatial tool for national-scale spatiotemporal simulations. Environmental Modelling and Software, 2019, 119, 374-378.	1.9	9
38	Expanding Kenya's protected areas under the Convention on Biological Diversity to maximize coverage of plant diversity. Conservation Biology, 2017, 31, 302-310.	2.4	8
39	Closing yield and harvest area gaps to mitigate water scarcity related to Chinaâ€™s rice production. Agricultural Water Management, 2021, 245, 106602.	2.4	8
40	Characterization factors for ocean acidification impacts on marine biodiversity. Journal of Industrial Ecology, 2022, 26, 2069-2079.	2.8	8
41	Global Human Consumption Threatens Key Biodiversity Areas. Environmental Science & Technology, 2022, 56, 9003-9014.	4.6	7
42	Quantifying the Valuation of Animal Welfare Among Americans. Journal of Agricultural and Environmental Ethics, 2020, 33, 261-282.	0.9	6
43	Environmental impacts of the nutrition transition and potential hunger eradication in emerging countries. Sustainability Science, 2021, 16, 565-579.	2.5	6
44	Regionalized nitrogen fate in freshwater systems on a global scale. Journal of Industrial Ecology, 2022, 26, 907-922.	2.8	6
45	Environmental, nutritional and social assessment of nuts. Sustainability Science, 2023, 18, 933-949.	2.5	6
46	Letter to the editor re: â€œThe scarcity-weighted water footprint provides unreliable water sustainability scoringâ€•by. Science of the Total Environment, 2022, 825, 154108.	3.9	3
47	Linking land use inventories to biodiversity impact assessment methods. International Journal of Life Cycle Assessment, 2021, 26, 2315.	2.2	2
48	Biodiversity Loss from Freshwater Use for Chinaâ€™s Electricity Generation. Environmental Science & Technology, 2022, 56, 3277-3287.	4.6	1
49	Overlooked benefits of a staple food transition. Nature Food, 2021, 2, 557-558.	6.2	0