

Jason D Hill

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/1249339/jason-d-hill-publications-by-year.pdf>

Version: 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

60
papers

18,194
citations

31
h-index

66
g-index

66
ext. papers

21,218
ext. citations

11.7
avg, IF

6.75
L-index

#	Paper	IF	Citations
60	The sobering truth about corn ethanol.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022 , 119, e2200997119	11.5	0
59	Global, high-resolution, reduced-complexity air quality modeling for PM2.5 using InMAP (Intervention Model for Air Pollution). <i>PLoS ONE</i> , 2022 , 17, e0268714	3.7	0
58	The food we eat, the air we breathe: a review of the fine particulate matter-induced air quality health impacts of the global food system. <i>Environmental Research Letters</i> , 2021 , 16, 103004	6.2	2
57	PM pollutants disproportionately and systemically affect people of color in the United States. <i>Science Advances</i> , 2021 , 7,	14.3	75
56	Air quality-related health damages of food. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	16
55	Microalgal biofuel production at national scales: Reducing conflicts with agricultural lands and biodiversity within countries. <i>Energy</i> , 2021 , 215, 119033	7.9	11
54	Weed seedbank diversity and sustainability indicators for simple and more diverse cropping systems. <i>Weed Research</i> , 2021 , 61, 164-177	1.9	5
53	Global food system emissions could preclude achieving the 1.5°C and 2°C climate change targets. <i>Science</i> , 2020 , 370, 705-708	33.3	152
52	The urgency of transforming the Midwestern U.S. landscape into more than corn and soybean. <i>Agriculture and Human Values</i> , 2020 , 37, 1-3	2.7	13
51	Reducing Mortality from Air Pollution in the United States by Targeting Specific Emission Sources. <i>Environmental Science and Technology Letters</i> , 2020 , 7, 639-645	11	19
50	Fossil Energy Use, Climate Change Impacts, and Air Quality-Related Human Health Damages of Conventional and Diversified Cropping Systems in Iowa, USA. <i>Environmental Science & Technology</i> , 2020 , 54, 11002-11014	10.3	13
49	Pathways for recent Cerrado soybean expansion: extending the soy moratorium and implementing integrated crop livestock systems with soybeans. <i>Environmental Research Letters</i> , 2019 , 14, 044029	6.2	16
48	Inequity in consumption of goods and services adds to racial-ethnic disparities in air pollution exposure. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 6001-6006	11.5	169
47	Towards the implementation of sustainable biofuel production systems. <i>Renewable and Sustainable Energy Reviews</i> , 2019 , 107, 250-263	16.2	105
46	Fine-scale damage estimates of particulate matter air pollution reveal opportunities for location-specific mitigation of emissions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 8775-8780	11.5	76
45	Air-quality-related health damages of maize. <i>Nature Sustainability</i> , 2019 , 2, 397-403	22.1	41
44	An inter-comparison of the social costs of air quality from reduced-complexity models. <i>Environmental Research Letters</i> , 2019 , 14, 074016	6.2	38

43	Multiple health and environmental impacts of foods. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 23357-23362	11.5	205
42	Cropping System Diversity Effects on Nutrient Discharge, Soil Erosion, and Agronomic Performance. <i>Environmental Science & Technology</i> , 2019 , 53, 1344-1352	10.3	32
41	Life cycle air quality impacts on human health from potential switchgrass production in the United States. <i>Biomass and Bioenergy</i> , 2018 , 114, 73-82	5.3	11
40	Effect of Model Spatial Resolution on Estimates of Fine Particulate Matter Exposure and Exposure Disparities in the United States. <i>Environmental Science and Technology Letters</i> , 2018 , 5, 436-441	11	23
39	The Diet, Health, and Environment Trilemma. <i>Annual Review of Environment and Resources</i> , 2018 , 43, 109-134	17.2	31
38	Reducing Freshwater Toxicity while Maintaining Weed Control, Profits, And Productivity: Effects of Increased Crop Rotation Diversity and Reduced Herbicide Usage. <i>Environmental Science & Technology</i> , 2017 , 51, 1707-1717	10.3	33
37	Seeing the forest for the trees: How much woody biomass can the Midwest United States sustainably produce?. <i>Biomass and Bioenergy</i> , 2017 , 105, 266-277	5.3	11
36	Effects of Land Use Change for Crops on Water and Carbon Budgets in the Midwest USA. <i>Sustainability</i> , 2017 , 9, 225	3.6	5
35	InMAP: A model for air pollution interventions. <i>PLoS ONE</i> , 2017 , 12, e0176131	3.7	65
34	The social costs of nitrogen. <i>Science Advances</i> , 2016 , 2, e1600219	14.3	73
33	Assessing uncertainty in the profitability of prairie biomass production with ecosystem service compensation. <i>Ecosystem Services</i> , 2016 , 21, 103-108	6.1	13
32	Impacts of second-generation biofuel feedstock production in the central U.S. on the hydrologic cycle and global warming mitigation potential. <i>Geophysical Research Letters</i> , 2016 , 43, 10,773-10,781	4.9	11
31	Climate consequences of low-carbon fuels: The United States Renewable Fuel Standard. <i>Energy Policy</i> , 2016 , 97, 351-353	7.2	25
30	Reply to Oron: Electric vehicles provide an opportunity to reduce environmental health effects of transportation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, E3974	11.5	2
29	Twelve-month, 12 km resolution North American WRF-Chem v3.4 air quality simulation: performance evaluation. <i>Geoscientific Model Development</i> , 2015 , 8, 957-973	6.3	26
28	Understanding the evolution of environmental and energy performance of the US corn ethanol industry: evaluation of selected metrics. <i>Biofuels, Bioproducts and Biorefining</i> , 2014 , 8, 224-240	5.3	14
27	Life cycle environmental impacts of wastewater-based algal biofuels. <i>Environmental Science & Technology</i> , 2014 , 48, 11696-704	10.3	81
26	Life cycle air quality impacts of conventional and alternative light-duty transportation in the United States. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 18490-5	11.5	162

25	Midwest vision for sustainable fuel production. <i>Biofuels</i> , 2014 , 5, 687-702	2	15
24	Life Cycle Analysis of Biofuels 2013 , 627-630		3
23	Response to comment on "Natural and anthropogenic ethanol sources in North America and potential atmospheric impacts of ethanol fuel use". <i>Environmental Science & Technology</i> , 2013 , 47, 2141	10.3	3
22	U.S. federal agency models offer different visions for achieving Renewable Fuel Standard (RFS2) biofuel volumes. <i>Environmental Science & Technology</i> , 2013 , 47, 10095-101	10.3	17
21	Environmental consequences of invasive species: greenhouse gas emissions of insecticide use and the role of biological control in reducing emissions. <i>PLoS ONE</i> , 2013 , 8, e72293	3.7	31
20	Natural and anthropogenic ethanol sources in North America and potential atmospheric impacts of ethanol fuel use. <i>Environmental Science & Technology</i> , 2012 , 46, 8484-92	10.3	34
19	A spatially and temporally explicit life cycle inventory of air pollutants from gasoline and ethanol in the United States. <i>Environmental Science & Technology</i> , 2012 , 46, 11408-17	10.3	43
18	Increasing cropping system diversity balances productivity, profitability and environmental health. <i>PLoS ONE</i> , 2012 , 7, e47149	3.7	320
17	Solutions for a cultivated planet. <i>Nature</i> , 2011 , 478, 337-42	50.4	4351
16	Comment on Indirect land use change for biofuels: Testing predictions and improving analytical methodologies by Kim and Dale: statistical reliability and the definition of the indirect land use change (iLUC) issue. <i>Biomass and Bioenergy</i> , 2011 , 35, 4485-4487	5.3	24
15	Global food demand and the sustainable intensification of agriculture. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 20260-4	11.5	3736
14	Biofuels and biodiversity 2011 , 21, 1085-95		69
13	Screening bioenergy feedstock crops to mitigate invasion risk. <i>Frontiers in Ecology and the Environment</i> , 2010 , 8, 533-539	5.5	69
12	The Ecological Impact of Biofuels. <i>Annual Review of Ecology, Evolution, and Systematics</i> , 2010 , 41, 351-377	3.5	172
11	Response--Biofuels. <i>Science</i> , 2009 , 326, 1346-1346	33.3	2
10	Bioenergy and Wildlife: Threats and Opportunities for Grassland Conservation. <i>BioScience</i> , 2009 , 59, 767-777	5.7	184
9	Energy. Beneficial biofuels--the food, energy, and environment trilemma. <i>Science</i> , 2009 , 325, 270-1	33.3	1166
8	Climate change and health costs of air emissions from biofuels and gasoline. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 2077-82	11.5	247

7	Opportunities and challenges of transitioning to sustainable next-generation transportation biofuels. <i>International Journal of Biotechnology</i> , 2009 , 11, 5	0	1
6	Environmental Costs and Benefits of Transportation Biofuel Production from Food-and Lignocellulose-Based Energy Crops: A Review 2009 , 125-139		13
5	Land clearing and the biofuel carbon debt. <i>Science</i> , 2008 , 319, 1235-8	33.3	2663
4	Environmental costs and benefits of transportation biofuel production from food- and lignocellulose-based energy crops. A review. <i>Agronomy for Sustainable Development</i> , 2007 , 27, 1-12	6.8	97
3	Environmental, economic, and energetic costs and benefits of biodiesel and ethanol biofuels. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 11206-10	11.5	1918
2	Carbon-negative biofuels from low-input high-diversity grassland biomass. <i>Science</i> , 2006 , 314, 1598-600	33.3	1303
1	Genetic diversity and population structure of teosinte. <i>Genetics</i> , 2005 , 169, 2241-54	4	130