Christopher Tessum

List of Publications by Year
in descending order

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30 papers	2,086 citations	331670 21 h-index	501196 28 g-index
36 all docs	36 docs citations	36 times ranked	2260 citing authors

#	Article	IF	Citations
1	Wildfire, Smoke Exposure, Human Health, and Environmental Justice Need to be Integrated into Forest Restoration and Management. Current Environmental Health Reports, 2022, 9, 366-385.	6.7	31
2	Global, high-resolution, reduced-complexity air quality modeling for PM2.5 using InMAP (Intervention) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	2.5	11
3	Sources of ambient PM2.5 exposure in 96 global cities. Atmospheric Environment, 2022, 286, 119234.	4.1	15
4	PM _{2.5} polluters disproportionately and systemically affect people of color in the United States. Science Advances, 2021, 7, .	10.3	286
5	Air qualityâ€"related health damages of food. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	70
6	Environmental health, racial/ethnic health-disparity, and climate impacts of freight transport in the United States. ISEE Conference Abstracts, 2021, 2021, .	0.0	0
7	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. Environmental Research Letters, 2021, 16, 103004.	5.2	17
8	Reduced-complexity air quality intervention modeling over China: the development of InMAPv1.6.1-China and a comparison with CMAQv5.2. Geoscientific Model Development, 2021, 14, 7621-7638.	3.6	10
9	Reducing Mortality from Air Pollution in the United States by Targeting Specific Emission Sources. Environmental Science and Technology Letters, 2020, 7, 639-645.	8.7	64
10	Toward Stable, General Machineâ€Learned Models of the Atmospheric Chemical System. Journal of Geophysical Research D: Atmospheres, 2020, 125, e2020JD032759.	3.3	25
11	An inter-comparison of the social costs of air quality from reduced-complexity models. Environmental Research Letters, 2019, 14, 074016.	5.2	66
12	Health co-benefits of sub-national renewable energy policy in the US. Environmental Research Letters, 2019, 14, 085012.	5.2	45
13	Inequity in consumption of goods and services adds to racialâ€"ethnic disparities in air pollution exposure. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 6001-6006.	7.1	349
14	Fine-scale damage estimates of particulate matter air pollution reveal opportunities for location-specific mitigation of emissions. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 8775-8780.	7.1	158
15	Air-quality-related health damages of maize. Nature Sustainability, 2019, 2, 397-403.	23.7	73
16	Health and climate impacts of future United States land freight modelled with global-to-urban models. Nature Sustainability, 2019, 2, 105-112.	23.7	44
17	Fine Particulate Air Pollution from Electricity Generation in the US: Health Impacts by Race, Income, and Geography. Environmental Science & Technology, 2019, 53, 14010-14019.	10.0	83
18	Life cycle air quality impacts on human health from potential switchgrass production in the United States. Biomass and Bioenergy, 2018, 114, 73-82.	5.7	16

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19	Effect of Model Spatial Resolution on Estimates of Fine Particulate Matter Exposure and Exposure Disparities in the United States. Environmental Science and Technology Letters, 2018, 5, 436-441.	8.7	54
20	Ancillary health effects of climate mitigation scenarios as drivers of policy uptake: a review of air quality, transportation and diet co-benefits modeling studies. Environmental Research Letters, 2017, 12, 113001.	5.2	45
21	InMAP: A model for air pollution interventions. PLoS ONE, 2017, 12, e0176131.	2.5	123
22	The social costs of nitrogen. Science Advances, 2016, 2, e1600219.	10.3	118
23	Twelve-month, 12 km resolution North American WRF-Chem v3.4 air quality simulation: performance evaluation. Geoscientific Model Development, 2015, 8, 957-973.	3.6	34
24	Reply to Oron: Electric vehicles provide an opportunity to reduce environmental health effects of transportation. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E3974-E3974.	7.1	2
25	Emissions of C₆â€“C₈ aromatic compounds in the United States: Constraints from tall tower and aircraft measurements. Journal of Geophysical Research D: Atmospheres, 2015, 120, 826-842.	3.3	44
26	Life cycle air quality impacts of conventional and alternative light-duty transportation in the United States. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 18490-18495.	7.1	200
27	Response to Comment on â€œNatural and Anthropogenic Ethanol Sources in North America and Potential Atmospheric Impacts of Ethanol Fuel Useâ€• Environmental Science & Technology, 2013, 47, 2141-2141.	10.0	3
28	Natural and Anthropogenic Ethanol Sources in North America and Potential Atmospheric Impacts of Ethanol Fuel Use. Environmental Science & Technology, 2012, 46, 8484-8492.	10.0	42
29	A Spatially and Temporally Explicit Life Cycle Inventory of Air Pollutants from Gasoline and Ethanol in the United States. Environmental Science & Technology, 2012, 46, 11408-11417.	10.0	46
30	Enhanced Integration of Health, Climate, and Air Quality Management Planning at the Urban Scale. Frontiers in Sustainable Cities, 0, 4, .	2.4	3