

# Jonathan E Hickman

## List of Publications by Year in descending order

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Version: 2024-02-01

28  
papers

2,495  
citations

623734

14  
h-index

610901

24  
g-index

36  
all docs

36  
docs citations

36  
times ranked

5302  
citing authors

#	ARTICLE	IF	CITATIONS
1	Little Effect of Land Use on N <sub>2</sub> O and NO Emission Pulses Following Rewetting of Dry Soils Across Seasonally Dry sub-Saharan Africa. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2021, 126, .	3.0	1
2	Challenges and opportunities for enhancing food security and greenhouse gas mitigation in smallholder farming in sub-Saharan Africa. A review. <i>Food Security</i> , 2021, 13, 457-476.	5.3	25
3	Reductions in NO <sub>2</sub> burden over north equatorial Africa from decline in biomass burning in spite of growing fossil fuel use, 2005 to 2017. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	22
4	Dominant contribution of nitrogen compounds in precipitation chemistry in the Lake Victoria catchment (East Africa). <i>Environmental Research Letters</i> , 2021, 16, 045013.	5.2	7
5	The Climate Response to Emissions Reductions Due to COVID-19: Initial Results From CovidMIP. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL091883.	4.0	43
6	Continental and Ecoregion-specific Drivers of Atmospheric NO <sub>2</sub> and NH <sub>3</sub> Seasonality Over Africa Revealed by Satellite Observations. <i>Global Biogeochemical Cycles</i> , 2021, 35, e2020GB006916.	4.9	5
7	Changes in biomass burning, wetland extent, or agriculture drive atmospheric NH <sub>3</sub> trends in select African regions. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 16277-16291.	4.9	3
8	Changes in satellite retrievals of atmospheric composition over eastern China during the 2020 COVID-19 lockdowns. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 18333-18350.	4.9	8
9	Meta-analysis on the potential for increasing nitrogen losses from intensifying tropical agriculture. <i>Global Change Biology</i> , 2020, 26, 1668-1680.	9.5	51
10	Assessing Synergies and Trade-Offs from Nitrogen Use in Africa. , 2020, , 65-82.		2
11	Impacts of enhanced fertilizer applications on tropospheric ozone and crop damage over sub-Saharan Africa. <i>Atmospheric Environment</i> , 2018, 180, 117-125.	4.1	14
12	Satellite evidence of substantial rain-induced soil emissions of ammonia across the Sahel. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 16713-16727.	4.9	17
13	Nonlinear response of nitric oxide fluxes to fertilizer inputs and the impacts of agricultural intensification on tropospheric ozone pollution in Kenya. <i>Global Change Biology</i> , 2017, 23, 3193-3204.	9.5	29
14	A communal catalogue reveals Earth's multiscale microbial diversity. <i>Nature</i> , 2017, 551, 457-463.	27.8	1,942
15	Introduction to the SAMPLES Approach. , 2016, , 1-13.		1
16	Effects of fertilizer on inorganic soil N in East Africa maize systems: vertical distributions and temporal dynamics. <i>Ecological Applications</i> , 2016, 26, 1907-1919.	3.8	18
17	Microbial Communities and Processes Under Climate and Land-use Change in the Tropics. , 2016, , 167-184.		0
18	A potential tipping point in tropical agriculture: Avoiding rapid increases in nitrous oxide fluxes from agricultural intensification in Kenya. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2015, 120, 938-951.	3.0	59

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19	Biology's growing role. <i>Nature Geoscience</i> , 2015, 8, 173-173.	12.9	2
20	Putting local food to the test. <i>Nature Geoscience</i> , 2015, 8, 824-824.	12.9	0
21	The AgMIP Coordinated Climate-Crop Modeling Project (C3MP): Methods and Protocols. ICP Series on Climate Change Impacts, Adaptation, and Mitigation, 2015, , 191-220.	0.4	10
22	Nitrous oxide (N <sub>2</sub> O) emissions in response to increasing fertilizer addition in maize ( <i>Zea mays</i> L.) agriculture in western Kenya. <i>Nutrient Cycling in Agroecosystems</i> , 2014, 100, 177-187.	2.2	47
23	Assessing non-CO <sub>2</sub> climate-forcing emissions and mitigation in sub-Saharan Africa. <i>Current Opinion in Environmental Sustainability</i> , 2014, 9-10, 65-72.	6.3	25
24	Carbon sinks and sinking tundra. <i>Nature Geoscience</i> , 2014, 7, 784-784.	12.9	1
25	The nativeâ€“invasive balance: implications for nutrient cycling in ecosystems. <i>Oecologia</i> , 2013, 173, 319-328.	2.0	26
26	Biogeochemical impacts of the northward expansion of kudzu under climate change: the importance of ecological context. <i>Ecosphere</i> , 2013, 4, 1-15.	2.2	9
27	Current and future nitrous oxide emissions from African agriculture. <i>Current Opinion in Environmental Sustainability</i> , 2011, 3, 370-378.	6.3	46
28	Kudzu ( <i>Pueraria montana</i> ) invasion doubles emissions of nitric oxide and increases ozone pollution. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 10115-10119.	7.1	73