

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	A communal catalogue reveals Earth's multiscale microbial diversity. <i>Nature</i> , 2017, 551, 457-463.	27.8	1,942
2	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
3	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
4	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
5	Nitrous oxide (N ₂ 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
6	Current and future nitrous oxide emissions from African agriculture. <i>Current Opinion in Environmental Sustainability</i> , 2011, 3, 370-378.	6.3	46
7	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
8	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
9	The native "invasive balance: implications for nutrient cycling in ecosystems. <i>Oecologia</i> , 2013, 173, 319-328.	2.0	26
10	Assessing non-CO ₂ climate-forcing emissions and mitigation in sub-Saharan Africa. <i>Current Opinion in Environmental Sustainability</i> , 2014, 9-10, 65-72.	6.3	25
11	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
12	Reductions in NO ₂ 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
13	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
14	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
15	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
16	The AgMIP Coordinated Climate-Crop Modeling Project (C3MP): Methods and Protocols. <i>ICP Series on Climate Change Impacts, Adaptation, and Mitigation</i> , 2015, , 191-220.	0.4	10
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	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
20	Continental and Ecoregion-specific Drivers of Atmospheric NO ₂ and NH ₃ Seasonality Over Africa Revealed by Satellite Observations. <i>Global Biogeochemical Cycles</i> , 2021, 35, e2020GB006916.	4.9	5
21	Changes in biomass burning, wetland extent, or agriculture drive atmospheric NH ₃ trends in select African regions. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 16277-16291.	4.9	3
22	Biology's growing role. <i>Nature Geoscience</i> , 2015, 8, 173-173.	12.9	2
23	Assessing Synergies and Trade-Offs from Nitrogen Use in Africa. , 2020, , 65-82.		2
24	Carbon sinks and sinking tundra. <i>Nature Geoscience</i> , 2014, 7, 784-784.	12.9	1
25	Introduction to the SAMPLES Approach. , 2016, , 1-13.		1
26	Little Effect of Land Use on N ₂ O and NO Emission Pulses Following Rewetting of Dry Soils Across Seasonally Dry Saharan Africa. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2021, 126, .	3.0	1
27	Putting local food to the test. <i>Nature Geoscience</i> , 2015, 8, 824-824.	12.9	0
28	Microbial Communities and Processes Under Climate and Land-use Change in the Tropics. , 2016, , 167-184.		0