

Matthew N Hayek

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2294898/publications.pdf>

Version: 2024-02-01

18
papers

1,038
citations

623734

14
h-index

839539

18
g-index

26
all docs

26
docs citations

26
times ranked

2091
citing authors

#	ARTICLE	IF	CITATIONS
1	Pre- and post-production processes increasingly dominate greenhouse gas emissions from agri-food systems. <i>Earth System Science Data</i> , 2022, 14, 1795-1809.	9.9	53
2	The "sustainability gap"™ of US broiler chicken production: trade-offs between welfare, land use and consumption. <i>Royal Society Open Science</i> , 2022, 9, .	2.4	9
3	Missing the grassland for the cows: Scaling grass-finished beef production entails tradeoffs"Comment on "Crazed perennial grasslands can match current beef production while contributing to climate mitigation and adaptation" <i>Agricultural and Environmental Letters</i> , 2022, 7, .	1.2	2
4	The carbon opportunity cost of animal-sourced food production on land. <i>Nature Sustainability</i> , 2021, 4, 21-24.	23.7	100
5	Finding and fixing food system emissions: the double helix of science and policy. <i>Environmental Research Letters</i> , 2021, 16, 061002.	5.2	16
6	Underestimates of methane from intensively raised animals could undermine goals of sustainable development. <i>Environmental Research Letters</i> , 2021, 16, 063006.	5.2	7
7	Greenhouse gas emissions from food systems: building the evidence base. <i>Environmental Research Letters</i> , 2021, 16, 065007.	5.2	119
8	Scientists call for renewed Paris pledges to transform agriculture. <i>Lancet Planetary Health</i> , The, 2020, 4, e9-e10.	11.4	15
9	An appeal to cost undermines food security risks of delayed mitigation. <i>Nature Climate Change</i> , 2020, 10, 418-419.	18.8	5
10	The biophysics, ecology, and biogeochemistry of functionally diverse, vertically and horizontally heterogeneous ecosystems: the Ecosystem Demography model, version 2.2 " Part 2: Model evaluation for tropical South America. <i>Geoscientific Model Development</i> , 2019, 12, 4347-4374.	3.6	29
11	A novel correction for biases in forest eddy covariance carbon balance. <i>Agricultural and Forest Meteorology</i> , 2018, 250-251, 90-101.	4.8	26
12	Nationwide shift to grass-fed beef requires larger cattle population. <i>Environmental Research Letters</i> , 2018, 13, 084005.	5.2	42
13	Ecosystem heterogeneity and diversity mitigate Amazon forest resilience to frequent extreme droughts. <i>New Phytologist</i> , 2018, 219, 914-931.	7.3	64
14	Carbon exchange in an Amazon forest: from hours to years. <i>Biogeosciences</i> , 2018, 15, 4833-4848.	3.3	20
15	Partitioning controls on Amazon forest photosynthesis between environmental and biotic factors at hourly to interannual timescales. <i>Global Change Biology</i> , 2017, 23, 1240-1257.	9.5	102
16	Canopy-scale biophysical controls of transpiration and evaporation in the Amazon Basin. <i>Hydrology and Earth System Sciences</i> , 2016, 20, 4237-4264.	4.9	62
17	Leaf development and demography explain photosynthetic seasonality in Amazon evergreen forests. <i>Science</i> , 2016, 351, 972-976.	12.6	336
18	Biases in atmospheric CO ₂ estimates from correlated meteorology modeling errors. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 2903-2914.	4.9	22