

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

623574

14
h-index

839398

18
g-index

26
all docs

26
docs citations

26
times ranked

2091
citing authors

#	ARTICLE	IF	CITATIONS
1	Leaf development and demography explain photosynthetic seasonality in Amazon evergreen forests. <i>Science</i> , 2016, 351, 972-976.	6.0	336
2	Greenhouse gas emissions from food systems: building the evidence base. <i>Environmental Research Letters</i> , 2021, 16, 065007.	2.2	119
3	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.	4.2	102
4	The carbon opportunity cost of animal-sourced food production on land. <i>Nature Sustainability</i> , 2021, 4, 21-24.	11.5	100
5	Ecosystem heterogeneity and diversity mitigate Amazon forest resilience to frequent extreme droughts. <i>New Phytologist</i> , 2018, 219, 914-931.	3.5	64
6	Canopy-scale biophysical controls of transpiration and evaporation in the Amazon Basin. <i>Hydrology and Earth System Sciences</i> , 2016, 20, 4237-4264.	1.9	62
7	Pre- and post-production processes increasingly dominate greenhouse gas emissions from agri-food systems. <i>Earth System Science Data</i> , 2022, 14, 1795-1809.	3.7	53
8	Nationwide shift to grass-fed beef requires larger cattle population. <i>Environmental Research Letters</i> , 2018, 13, 084005.	2.2	42
9	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.	1.3	29
10	A novel correction for biases in forest eddy covariance carbon balance. <i>Agricultural and Forest Meteorology</i> , 2018, 250-251, 90-101.	1.9	26
11	Biases in atmospheric CO ₂ estimates from correlated meteorology modeling errors. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 2903-2914.	1.9	22
12	Carbon exchange in an Amazon forest: from hours to years. <i>Biogeosciences</i> , 2018, 15, 4833-4848.	1.3	20
13	Finding and fixing food system emissions: the double helix of science and policy. <i>Environmental Research Letters</i> , 2021, 16, 061002.	2.2	16
14	Scientists call for renewed Paris pledges to transform agriculture. <i>Lancet Planetary Health</i> , The, 2020, 4, e9-e10.	5.1	15
15	The "sustainability gap" of US broiler chicken production: trade-offs between welfare, land use and consumption. <i>Royal Society Open Science</i> , 2022, 9, .	1.1	9
16	Underestimates of methane from intensively raised animals could undermine goals of sustainable development. <i>Environmental Research Letters</i> , 2021, 16, 063006.	2.2	7
17	An appeal to cost undermines food security risks of delayed mitigation. <i>Nature Climate Change</i> , 2020, 10, 418-419.	8.1	5
18	Missing the grassland for the cows: Scaling grass-finished beef production entails tradeoffs" Comment on "Grazed perennial grasslands can match current beef production while contributing to climate mitigation and adaptation". <i>Agricultural and Environmental Letters</i> , 2022, 7, .	0.8	2