

# Housen Chu

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6286681/publications.pdf>

Version: 2024-02-01

35  
papers

2,314  
citations

304743

22  
h-index

361022

35  
g-index

44  
all docs

44  
docs citations

44  
times ranked

3561  
citing authors

#	ARTICLE	IF	CITATIONS
1	Assessing methane emissions for northern peatlands in ORCHIDEE-PEAT revision 7020. <i>Geoscientific Model Development</i> , 2022, 15, 2813-2838.	3.6	8
2	Detecting Hot Spots of Methane Flux Using Footprint-Weighted Flux Maps. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2022, 127, .	3.0	11
3	Substantial hysteresis in emergent temperature sensitivity of global wetland CH <sub>4</sub> emissions. <i>Nature Communications</i> , 2021, 12, 2266.	12.8	34
4	Representativeness of Eddy-Covariance flux footprints for areas surrounding AmeriFlux sites. <i>Agricultural and Forest Meteorology</i> , 2021, 301-302, 108350.	4.8	125
5	Identifying dominant environmental predictors of freshwater wetland methane fluxes across diurnal to seasonal time scales. <i>Global Change Biology</i> , 2021, 27, 3582-3604.	9.5	59
6	FLUXNET-CH <sub>4</sub> : a global, multi-ecosystem dataset and analysis of methane seasonality from freshwater wetlands. <i>Earth System Science Data</i> , 2021, 13, 3607-3689.	9.9	79
7	Gap-filling eddy covariance methane fluxes: Comparison of machine learning model predictions and uncertainties at FLUXNET-CH <sub>4</sub> wetlands. <i>Agricultural and Forest Meteorology</i> , 2021, 308-309, 108528.	4.8	33
8	Seasonality in aerodynamic resistance across a range of North American ecosystems. <i>Agricultural and Forest Meteorology</i> , 2021, 310, 108613.	4.8	14
9	Seasonal variability of forest sensitivity to heat and drought stresses: A synthesis based on carbon fluxes from North American forest ecosystems. <i>Global Change Biology</i> , 2020, 26, 901-918.	9.5	49
10	The FLUXNET2015 dataset and the ONEFlux processing pipeline for eddy covariance data. <i>Scientific Data</i> , 2020, 7, 225.	5.3	646
11	Intra-Annual and Interannual Dynamics of Evaporation Over Western Lake Erie. <i>Earth and Space Science</i> , 2020, 7, e2020EA001091.	2.6	6
12	Climate Change Dominated Long-Term Soil Carbon Losses of Inner Mongolian Grasslands. <i>Global Biogeochemical Cycles</i> , 2020, 34, e2020GB006559.	4.9	23
13	Modeling Spatial Heterogeneity in Surface Turbulent Heat Flux in the U.S. Southern Great Plains. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2019JD032255.	3.3	4
14	Inter-annual variability of net and gross ecosystem carbon fluxes: A review. <i>Agricultural and Forest Meteorology</i> , 2018, 249, 520-533.	4.8	257
15	ORCHIDEE-PEAT (revision 4596), a model for northern peatland CO <sub>2</sub> , water, and energy fluxes on daily to annual scales. <i>Geoscientific Model Development</i> , 2018, 11, 497-519.	3.6	43
16	Field Observation of Lateral Detritus Carbon Flux in a Coastal Wetland. <i>Wetlands</i> , 2018, 38, 613-625.	1.5	9
17	Temporal Dynamics of Aerodynamic Canopy Height Derived From Eddy Covariance Momentum Flux Data Across North American Flux Networks. <i>Geophysical Research Letters</i> , 2018, 45, 9275-9287.	4.0	31
18	Fluxes all of the time? A primer on the temporal representativeness of FLUXNET. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2017, 122, 289-307.	3.0	114

#	ARTICLE	IF	CITATIONS
19	Grassland productivity and carbon sequestration in Mongolian grasslands: The underlying mechanisms and nomadic implications. <i>Environmental Research</i> , 2017, 159, 124-134.	7.5	35
20	Hunting Data Rogues at Scale: Data Quality Control for Observational Data in Research Infrastructures. , 2017, , .		4
21	The Effect of Algal Blooms on Carbon Emissions in Western Lake Erie: An Integration of Remote Sensing and Eddy Covariance Measurements. <i>Remote Sensing</i> , 2017, 9, 44.	4.0	22
22	Response and biophysical regulation of carbon dioxide fluxes to climate variability and anomaly in contrasting ecosystems in northwestern Ohio, USA. <i>Agricultural and Forest Meteorology</i> , 2016, 220, 50-68.	4.8	17
23	The effects of grazing and watering on ecosystem CO <sub>2</sub> fluxes vary by community phenology. <i>Environmental Research</i> , 2016, 144, 64-71.	7.5	11
24	Ten-year variability in ecosystem water use efficiency in an oak-dominated temperate forest under a warming climate. <i>Agricultural and Forest Meteorology</i> , 2016, 218-219, 209-217.	4.8	52
25	Evapotranspiration of annual and perennial biofuel crops in a variable climate. <i>GCB Bioenergy</i> , 2015, 7, 1344-1356.	5.6	54
26	Diurnal to annual changes in latent, sensible heat, and CO <sub>2</sub> fluxes over a Laurentian Great Lake: A case study in Western Lake Erie. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2015, 120, 1587-1604.	3.0	56
27	Climatic variability, hydrologic anomaly, and methane emission can turn productive freshwater marshes into net carbon sources. <i>Global Change Biology</i> , 2015, 21, 1165-1181.	9.5	53
28	Long-term variability in the water budget and its controls in an oak-dominated temperate forest. <i>Hydrological Processes</i> , 2014, 28, 6054-6066.	2.6	17
29	Net primary production in three bioenergy crop systems following land conversion. <i>Journal of Plant Ecology</i> , 2014, 7, 451-460.	2.3	7
30	Net ecosystem methane and carbon dioxide exchanges in a Lake Erie coastal marsh and a nearby cropland. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2014, 119, 722-740.	3.0	78
31	Long-term variability and environmental control of the carbon cycle in an oak-dominated temperate forest. <i>Forest Ecology and Management</i> , 2014, 313, 319-328.	3.2	43
32	Disentangling the confounding effects of PAR and air temperature on net ecosystem exchange at multiple time scales. <i>Ecological Complexity</i> , 2014, 19, 46-58.	2.9	33
33	Does canopy wetness matter? Evapotranspiration from a subtropical montane cloud forest in Taiwan. <i>Hydrological Processes</i> , 2014, 28, 1190-1214.	2.6	46
34	An observational study of the carbon-sink strength of East Asian subtropical evergreen forests. <i>Environmental Research Letters</i> , 2012, 7, 044017.	5.2	33
35	The Relation Between Humidity and Liquid Water Content in Fog: An Experimental Approach. <i>Pure and Applied Geophysics</i> , 2012, 169, 821-833.	1.9	23