

# Jeffrey D Wood

## List of Publications by Year in descending order

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Version: 2024-02-01

35  
papers

1,669  
citations

471371

17  
h-index

360920

35  
g-index

35  
all docs

35  
docs citations

35  
times ranked

2544  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Drought Response of Eastern US Oaks in the Context of Their Declining Abundance. <i>BioScience</i> , 2022, 72, 333-346.	2.2	9
2	Confronting the water potential information gap. <i>Nature Geoscience</i> , 2022, 15, 158-164.	5.4	47
3	The xylem of anisohydric <i>Quercus alba</i> L. is more vulnerable to embolism than isohydric codominants. <i>Plant, Cell and Environment</i> , 2022, 45, 329-346.	2.8	10
4	Eastern US deciduous tree species respond dissimilarly to declining soil moisture but similarly to rising evaporative demand. <i>Tree Physiology</i> , 2021, 41, 944-959.	1.4	12
5	A Multiyear Constraint on Ammonia Emissions and Deposition Within the US Corn Belt. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL090865.	1.5	4
6	Microbial Activity and Root Carbon Inputs Are More Important than Soil Carbon Diffusion in Simulating Soil Carbon Profiles. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2021, 126, e2020JG006205.	1.3	9
7	Representativeness of Eddy-Covariance flux footprints for areas surrounding AmeriFlux sites. <i>Agricultural and Forest Meteorology</i> , 2021, 301-302, 108350.	1.9	125
8	Differential Organic Carbon Mineralization Responses to Soil Moisture in Three Different Soil Orders Under Mixed Forested System. <i>Frontiers in Environmental Science</i> , 2021, 9, .	1.5	7
9	Intensified Soil Moisture Extremes Decrease Soil Organic Carbon Decomposition: A Mechanistic Modeling Analysis. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2021, 126, e2021JG006392.	1.3	3
10	Detecting forest response to droughts with global observations of vegetation water content. <i>Global Change Biology</i> , 2021, 27, 6005-6024.	4.2	73
11	Seasonality in aerodynamic resistance across a range of North American ecosystems. <i>Agricultural and Forest Meteorology</i> , 2021, 310, 108613.	1.9	14
12	Unpacking the drivers of diurnal dynamics of sun-induced chlorophyll fluorescence (SIF): Canopy structure, plant physiology, instrument configuration and retrieval methods. <i>Remote Sensing of Environment</i> , 2021, 265, 112672.	4.6	33
13	Monitoring agroecosystem productivity and phenology at a national scale: A metric assessment framework. <i>Ecological Indicators</i> , 2021, 131, 108147.	2.6	16
14	Testing stomatal models at the stand level in deciduous angiosperm and evergreen gymnosperm forests using CliMA Land (v0.1). <i>Geoscientific Model Development</i> , 2021, 14, 6741-6763.	1.3	16
15	Modeling the Sources and Transport Processes During Extreme Ammonia Episodes in the U.S. Corn Belt. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2019JD031207.	1.2	7
16	Tracking Seasonal and Interannual Variability in Photosynthetic Downregulation in Response to Water Stress at a Temperate Deciduous Forest. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2020, 125, e2018JG005002.	1.3	17
17	Hydrometeorological sensitivities of net ecosystem carbon dioxide and methane exchange of an Amazonian palm swamp peatland. <i>Agricultural and Forest Meteorology</i> , 2020, 295, 108167.	1.9	25
18	Top-Down Constraints on Methane Point Source Emissions From Animal Agriculture and Waste Based on New Airborne Measurements in the U.S. Upper Midwest. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2020, 125, e2019JG005429.	1.3	7

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19	Error characterization of methane fluxes and budgets derived from a long-term comparison of open- and closed-path eddy covariance systems. <i>Agricultural and Forest Meteorology</i> , 2019, 278, 107638.	1.9	16
20	Evaluating the E3SM land model version 0 (ELMv0) at a temperate forest site using flux and soil water measurements. <i>Geoscientific Model Development</i> , 2019, 12, 1601-1612.	1.3	7
21	Sun-induced Chl fluorescence and its importance for biophysical modeling of photosynthesis based on light reactions. <i>New Phytologist</i> , 2019, 223, 1179-1191.	3.5	154
22	Tall Tower Ammonia Observations and Emission Estimates in the U.S. Midwest. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2019, 124, 3432-3447.	1.3	10
23	Advancing Terrestrial Ecosystem Science With a Novel Automated Measurement System for Sun-induced Chlorophyll Fluorescence for Integration With Eddy Covariance Flux Networks. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2019, 124, 127-146.	1.3	48
24	Land-Atmosphere Responses to a Total Solar Eclipse in Three Ecosystems With Contrasting Structure and Physiology. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 530-543.	1.2	5
25	Source Partitioning of Methane Emissions and its Seasonality in the U.S. Midwest. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2018, 123, 646-659.	1.3	18
26	The importance of drought-pathogen interactions in driving oak mortality events in the Ozark Border Region. <i>Environmental Research Letters</i> , 2018, 13, 015004.	2.2	36
27	Multiscale analyses of solar-induced fluorescence and gross primary production. <i>Geophysical Research Letters</i> , 2017, 44, 533-541.	1.5	98
28	OCO-2 advances photosynthesis observation from space via solar-induced chlorophyll fluorescence. <i>Science</i> , 2017, 358, .	6.0	438
29	Nitrous oxide emissions are enhanced in a warmer and wetter world. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 12081-12085.	3.3	155
30	Interacting Effects of Leaf Water Potential and Biomass on Vegetation Optical Depth. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2017, 122, 3031-3046.	1.3	91
31	Partitioning N <sub>2</sub> O emissions within the U.S. Corn Belt using an inverse modeling approach. <i>Global Biogeochemical Cycles</i> , 2016, 30, 1192-1205.	1.9	32
32	Investigating the source, transport, and isotope composition of water vapor in the planetary boundary layer. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 5139-5157.	1.9	29
33	Silage effluent management: A review. <i>Journal of Environmental Management</i> , 2014, 143, 113-122.	3.8	54
34	Biases in discrete CH <sub>4</sub> and N <sub>2</sub> O sampling protocols associated with temporal variation of gas fluxes from manure storage systems. <i>Agricultural and Forest Meteorology</i> , 2013, 171-172, 295-305.	1.9	24
35	A long term assessment of phosphorus treatment by a constructed wetland receiving dairy wastewater. <i>Wetlands</i> , 2008, 28, 715-723.	0.7	20