David WÃ¥rlind

List of Publications by Year
in descending order

23 papers	2,515 citations	471371 17 h-index	642610 23 g-index
40 all docs	40 docs citations	40 times ranked	4020 citing authors

#	Article	IF	Citations
1	Implications of incorporating N cycling and N limitations on primary production in an individual-based dynamic vegetation model. Biogeosciences, 2014, 11, 2027-2054.	1.3	476
2	Evaluation of 11 terrestrial carbonâ€“nitrogen cycle models against observations from two temperate <scp>F</scp>reeâ€<scp>A</scp>ir <scp>CO</scp>₂<scp> E</scp>nrichment studies. New Phytologist, 2014, 202, 803-822.	3.5	378
3	Forest water use and water use efficiency at elevated <scp><scp>CO₂</scp></scp>: a modelâ€data intercomparison at two contrasting temperate forest <scp>FACE</scp> sites. Global Change Biology, 2013, 19, 1759-1779.	4.2	314
4	Where does the carbon go? A modelâ€“data intercomparison of vegetation carbon allocation and turnover processes at two temperate forest freeâ€air CO₂ enrichment sites. New Phytologist, 2014, 203, 883-899.	3.5	263
5	The EC-Earth3 Earth system model for the Coupled Model Intercomparison Project 6. Geoscientific Model Development, 2022, 15, 2973-3020.	1.3	192
6	Grasslands may be more reliable carbon sinks than forests in California. Environmental Research Letters, 2018, 13, 074027.	2.2	142
7	Increased water-use efficiency and reduced CO2 uptake by plants during droughts at a continental scale. Nature Geoscience, 2018, 11, 744-748.	5.4	139
8	Predicting longâ€term carbon sequestration in response to CO₂ enrichment: How and why do current ecosystem models differ?. Global Biogeochemical Cycles, 2015, 29, 476-495.	1.9	99
9	Comprehensive ecosystem modelâ€data synthesis using multiple data sets at two temperate forest freeâ€air CO₂ enrichment experiments: Model performance at ambient CO₂ concentration. Journal of Geophysical Research G: Biogeosciences, 2014, 119, 937-964.	1.3	95
10	Nitrogen cycling in CMIP6 land surface models: progress and limitations. Biogeosciences, 2020, 17, 5129-5148.	1.3	60
11	Nitrogen feedbacks increase future terrestrial ecosystem carbon uptake in an individual-based dynamic vegetation model. Biogeosciences, 2014, 11, 6131-6146.	1.3	54
12	Modelling the response of yields and tissue C : N to changes in atmospheric CO₂ and N management in the main wheat regions of western Europe. Biogeosciences, 2015, 12, 2489-2515.	1.3	47
13	Soil carbon management in large-scale Earth system modelling: implications for crop yields and nitrogen leaching. Earth System Dynamics, 2015, 6, 745-768.	2.7	40
14	Soil carbon sequestration simulated in CMIP6-LUMIP models: implications for climatic mitigation. Environmental Research Letters, 2020, 15, 124061.	2.2	35
15	Low historical nitrogen deposition effect on carbon sequestration in the boreal zone. Journal of Geophysical Research G: Biogeosciences, 2015, 120, 2542-2561.	1.3	29
16	Dynamic Vegetation Simulations of the Midâ€Holocene Green Sahara. Geophysical Research Letters, 2018, 45, 8294-8303.	1.5	27
17	Plant phenology evaluation of CRESCENDO land surface models â€“ Part 1: Start and end of the growing season. Biogeosciences, 2021, 18, 2405-2428.	1.3	19
18	Vegetation Pattern and Terrestrial Carbon Variation in Past Warm and Cold Climates. Geophysical Research Letters, 2019, 46, 8133-8143.	1.5	13

#	Article	IF	Citations
19	Bedrock Weathering Controls on Terrestrial Carbonâ€Nitrogenâ€Climate Interactions. Global Biogeochemical Cycles, 2021, 35, e2020GB006933.	1.9	9
20	Caught in a bottleneck: Habitat loss for woolly mammoths in central North America and the iceâ€free corridor during the last deglaciation. Global Ecology and Biogeography, 2021, 30, 527-542.	2.7	7
21	Model simulations of arctic biogeochemistry and permafrost extent are highly sensitive to the implemented snow scheme in LPJ-GUESS. Biogeosciences, 2021, 18, 5767-5787.	1.3	7
22	Linking Vegetation-Climate-Fire Relationships in Sub-Saharan Africa to Key Ecological Processes in Two Dynamic Global Vegetation Models. Frontiers in Environmental Science, 2020, 8, .	1.5	6
23	Evaluation of soil carbon dynamics after forest cover change in CMIP6 land models using chronosequences. Environmental Research Letters, 2021, 16, 074030.	2.2	5