

# Evaluation of climate-related carbon turnover processes in boreal and temperate forests

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Evaluation of climate-related carbon turnover processes in global vegetation models for boreal and temperate forests. <i>Global Change Biology</i> , 2017, 23, 3076-3091.	4.2	52
2	Evaluating the effect of alternative carbon allocation schemes in a land surface model (CLM4.5) on carbon fluxes, pools, and turnover in temperate forests. <i>Geoscientific Model Development</i> , 2017, 10, 3499-3517.	1.3	32
3	Detecting early warning signals of tree mortality in boreal North America using multiscale satellite data. <i>Global Change Biology</i> , 2018, 24, 2284-2304.	4.2	81
4	Drivers and mechanisms of tree mortality in moist tropical forests. <i>New Phytologist</i> , 2018, 219, 851-869.	3.5	341
5	Gap models and their individual-based relatives in the assessment of the consequences of global change. <i>Environmental Research Letters</i> , 2018, 13, 033001.	2.2	56
6	Spatial Variability in Growth-Climate Relationships of Amur Cork Tree ( <i>Phellodendron</i> ) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 <i>Geophysical Research G: Biogeosciences</i> , 2018, 123, 1625-1636.	1.3	11
7	Estimation of Above-Ground Biomass over Boreal Forests on Siberia Using Updated In Situ, ALOS-2 PALSAR-2, and RADARSAT-2 Data. <i>Remote Sensing</i> , 2018, 10, 1550.	1.8	29
8	Evaluating changes of biomass in global vegetation models: the role of turnover fluctuations and ENSO events. <i>Environmental Research Letters</i> , 2018, 13, 075002.	2.2	3
9	Uncertainty Quantification of Extratropical Forest Biomass in CMIP5 Models over the Northern Hemisphere. <i>Scientific Reports</i> , 2018, 8, 10962.	1.6	7
10	Evaluation of CMIP5 Earth System Models for the Spatial Patterns of Biomass and Soil Carbon Turnover Times and Their Linkage with Climate. <i>Journal of Climate</i> , 2018, 31, 5947-5960.	1.2	36
11	Global fire emissions buffered by the production of pyrogenic carbon. <i>Nature Geoscience</i> , 2019, 12, 742-747.	5.4	140
12	Aspects of Forest Biomass in the Earth System: Its Role and Major Unknowns. <i>Surveys in Geophysics</i> , 2019, 40, 693-707.	2.1	49
13	Sapwood biomass carbon in northern boreal and temperate forests. <i>Global Ecology and Biogeography</i> , 2019, 28, 640-660.	2.7	12
14	Evaluation of terrestrial pan-Arctic carbon cycling using a data-assimilation system. <i>Earth System Dynamics</i> , 2019, 10, 233-255.	2.7	21
15	Vegetation Functional Properties Determine Uncertainty of Simulated Ecosystem Productivity: A Traceability Analysis in the East Asian Monsoon Region. <i>Global Biogeochemical Cycles</i> , 2019, 33, 668-689.	1.9	38
16	The European Space Agency BIOMASS mission: Measuring forest above-ground biomass from space. <i>Remote Sensing of Environment</i> , 2019, 227, 44-60.	4.6	172
17	Emergent relationships with respect to burned area in global satellite observations and fire-enabled vegetation models. <i>Biogeosciences</i> , 2019, 16, 57-76.	1.3	85
18	Understanding the Land Carbon Cycle with Space Data: Current Status and Prospects. <i>Surveys in Geophysics</i> , 2019, 40, 735-755.	2.1	22

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19	Pervasive decreases in living vegetation carbon turnover time across forest climate zones. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 24662-24667.	3.3	52
20	Disequilibrium of terrestrial ecosystem CO <sub>2</sub> budget caused by disturbance-induced emissions and non-CO <sub>2</sub> carbon export flows: a global model assessment. Earth System Dynamics, 2019, 10, 685-709.	2.7	22
21	Constraining modelled global vegetation dynamics and carbon turnover using multiple satellite observations. Scientific Reports, 2019, 9, 18757.	1.6	28
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29	Organizing principles for vegetation dynamics. Nature Plants, 2020, 6, 444-453.	4.7	95
30	Global human "predation" on plant growth and biomass. Global Ecology and Biogeography, 2020, 29, 1052-1064.	2.7	7
31	Rainfall manipulation experiments as simulated by terrestrial biosphere models: Where do we stand?. Global Change Biology, 2020, 26, 3336-3355.	4.2	50
32	Diversity of growth responses to recent droughts reveals the capacity of Atlantic Forest trees to cope well with current climatic variability. Forest Ecology and Management, 2021, 480, 118656.	1.4	9
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36	The U-shaped pattern of size-dependent mortality and its correlated factors in a subtropical monsoon evergreen forest. Journal of Ecology, 2021, 109, 2421-2433.	1.9	7

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37	Run to the hills: Forest growth responsiveness to drought increased at higher elevation during the late 20th century. <i>Science of the Total Environment</i> , 2021, 772, 145286.	3.9	18
38	Evaluating two land surface models for Brazil using a full carbon cycle benchmark with uncertainties. <i>Climate Resilience and Sustainability</i> , 2022, 1, e10.	0.9	4
39	Carbon and Nitrogen Turnover Times of South Korean Forests Estimated via Data-Model Fusion. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2021, 126, e2021JG006368.	1.3	3
41	Understanding the uncertainty in global forest carbon turnover. <i>Biogeosciences</i> , 2020, 17, 3961-3989.	1.3	45
42	Apparent ecosystem carbon turnover time: uncertainties and robust features. <i>Earth System Science Data</i> , 2020, 12, 2517-2536.	3.7	17
43	The Role of the Biomass Mission in Carbon Cycle Science and Politics. , 2021, , .		0
44	OUP accepted manuscript. <i>Tree Physiology</i> , 2021, , .	1.4	1
45	A data-driven estimate of litterfall and forest carbon turnover and the drivers of their inter-annual variabilities in forest ecosystems across China. <i>Science of the Total Environment</i> , 2022, 821, 153341.	3.9	4
46	Climate Sensitivities of Carbon Turnover Times in Soil and Vegetation: Understanding Their Effects on Forest Carbon Sequestration. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2022, 127, .	1.3	3
47	Simulation of the Impact of Environmental Disturbances on Forest Biomass in Taiwan. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2022, 127, .	1.3	0
48	Forest biomass turnover time estimation in China based on spatially explicit root:shoot ratios. <i>Global Ecology and Biogeography</i> , 2022, 31, 1332-1344.	2.7	1
49	Peaking productivity by 2060. <i>Nature Climate Change</i> , 2022, 12, 505-506.	8.1	4
50	The evolution, complexity and diversity of models of long-term forest dynamics. <i>Journal of Ecology</i> , 2022, 110, 2288-2307.	1.9	22
51	Increased forest coverage will induce more carbon fixation in vegetation than in soil during 2015-2060 in China based on CMIP6. <i>Environmental Research Letters</i> , 2022, 17, 105002.	2.2	6