

Peter E Thornton

List of Publications by Year in descending order

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Version: 2024-02-01

156
papers

26,249
citations

13098

68
h-index

8163

148
g-index

193
all docs

193
docs citations

193
times ranked

24810
citing authors

#	ARTICLE	IF	CITATIONS
1	Modelling physiological costs to assess impacts of climate change on amphibians in Yellowstone National Park, U.S.A. <i>Ecological Indicators</i> , 2022, 135, 108575.	6.3	7
2	Soil-related developments of the Biome-BGCMuSo v6.2 terrestrial ecosystem model. <i>Geoscientific Model Development</i> , 2022, 15, 2157-2181.	3.6	8
3	Increasing Functional Diversity in a Global Land Surface Model Illustrates Uncertainties Related to Parameter Simplification. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2022, 127, .	3.0	6
4	Developing an ELM Ecosystem Dynamics Model on GPU with OpenACC. <i>Lecture Notes in Computer Science</i> , 2022, , 291-303.	1.3	3
5	Moisture availability mediates the relationship between terrestrial gross primary production and solar-induced chlorophyll fluorescence: Insights from global-scale variations. <i>Global Change Biology</i> , 2021, 27, 1144-1156.	9.5	57
6	Dynamics of Fungal and Bacterial Biomass Carbon in Natural Ecosystems: Site-Level Applications of the CLM-Microbe Model. <i>Journal of Advances in Modeling Earth Systems</i> , 2021, 13, e2020MS002283.	3.8	11
7	Extending a land-surface model with <i>Sphagnum</i> moss to simulate responses of a northern temperate bog to whole ecosystem warming and elevated CO ₂ . <i>Biogeosciences</i> , 2021, 18, 467-486.	3.3	17
8	Integrating Arctic Plant Functional Types in a Land Surface Model Using Above- and Belowground Field Observations. <i>Journal of Advances in Modeling Earth Systems</i> , 2021, 13, e2020MS002396.	3.8	27
9	Considering coasts: Adapting terrestrial models to characterize coastal wetland ecosystems. <i>Ecological Modelling</i> , 2021, 450, 109561.	2.5	7
10	Seasonal changes in GPP/SIF ratios and their climatic determinants across the Northern Hemisphere. <i>Global Change Biology</i> , 2021, 27, 5186-5197.	9.5	34
11	Gridded daily weather data for North America with comprehensive uncertainty quantification. <i>Scientific Data</i> , 2021, 8, 190.	5.3	85
12	An Integrative Model for Soil Biogeochemistry and Methane Processes: I. Model Structure and Sensitivity Analysis. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2021, 126, e2019JG005468.	3.0	11
13	An Integrative Model for Soil Biogeochemistry and Methane Processes. II: Warming and Elevated CO ₂ Effects on Peatland CH ₄ Emissions. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2021, 126, e2020JG005963.	3.0	16
14	Updated respiration routines alter spatio-temporal patterns of carbon cycling in a global land surface model. <i>Environmental Research Letters</i> , 2021, 16, 104015.	5.2	3
15	Hydrological feedbacks on peatland CH ₄ emission under warming and elevated CO ₂ : A modeling study. <i>Journal of Hydrology</i> , 2021, 603, 127137.	5.4	4
16	TRY plant trait database “enhanced coverage and open access. <i>Global Change Biology</i> , 2020, 26, 119-188.	9.5	1,038
17	Modelling tree stem-water dynamics over an Amazonian rainforest. <i>Ecohydrology</i> , 2020, 13, e2180.	2.4	9
18	Seeing the Canopy for the Branches: Improved Within Canopy Scaling of Leaf Nitrogen. <i>Journal of Advances in Modeling Earth Systems</i> , 2020, 12, e2020MS002237.	3.8	2

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19	The DOE E3SM v1.1 Biogeochemistry Configuration: Description and Simulated Ecosystemâ€Climate Responses to Historical Changes in Forcing. Journal of Advances in Modeling Earth Systems, 2020, 12, e2019MS001766.	3.8	65
20	Representing the function and sensitivity of coastal interfaces in Earth system models. Nature Communications, 2020, 11, 2458.	12.8	153
21	Quantifying the drivers and predictability of seasonal changes in African fire. Nature Communications, 2020, 11, 2893.	12.8	15
22	Urban warming advances spring phenology but reduces the response of phenology to temperature in the conterminous United States. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 4228-4233.	7.1	109
23	Harmonization of global land use change and management for the period 850â€2100 (LUH2) for CMIP6. Geoscientific Model Development, 2020, 13, 5425-5464.	3.6	408
24	Streamflow in the Columbia River Basin: Quantifying Changes Over the Period 1951â€2008 and Determining the Drivers of Those Changes. Water Resources Research, 2019, 55, 6640-6652.	4.2	15
25	Alder Distribution and Expansion Across a Tundra Hillslope: Implications for Local N Cycling. Frontiers in Plant Science, 2019, 10, 1099.	3.6	37
26	The Effects of Phosphorus Cycle Dynamics on Carbon Sources and Sinks in the Amazon Region: A Modeling Study Using ELM v1. Journal of Geophysical Research G: Biogeosciences, 2019, 124, 3686-3698.	3.0	29
27	Characteristics of human-climate feedbacks differ at different radiative forcing levels. Global and Planetary Change, 2019, 180, 126-135.	3.5	10
28	The DOE E3SM Coupled Model Version 1: Overview and Evaluation at Standard Resolution. Journal of Advances in Modeling Earth Systems, 2019, 11, 2089-2129.	3.8	404
29	Modeling anaerobic soil organic carbon decomposition in Arctic polygon tundra: insights into soil geochemical influences on carbon mineralization. Biogeosciences, 2019, 16, 663-680.	3.3	21
30	Mechanistic Modeling of Microtopographic Impacts on CO ₂ and CH ₄ Fluxes in an Alaskan Tundra Ecosystem Using the CLMâ€Microbe Model. Journal of Advances in Modeling Earth Systems, 2019, 11, 4288-4304.	3.8	22
31	The sensitivity of the forest carbon budget shifts across processes along with stand development and climate change. Ecological Applications, 2019, 29, e01837.	3.8	39
32	Contribution of environmental forcings to US runoff changes for the period 1950â€2010. Environmental Research Letters, 2018, 13, 054023.	5.2	9
33	The Impact of Parametric Uncertainties on Biogeochemistry in the E3SM Land Model. Journal of Advances in Modeling Earth Systems, 2018, 10, 297-319.	3.8	80
34	Quantifying Humanâ€Mediated Carbon Cycle Feedbacks. Geophysical Research Letters, 2018, 45, 11,370.	4.0	7
35	Biospheric feedback effects in a synchronously coupled model of human and Earth systems. Nature Climate Change, 2017, 7, 496-500.	18.8	46
36	Global pattern and controls of soil microbial metabolic quotient. Ecological Monographs, 2017, 87, 429-441.	5.4	106

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37	WIP: Live Restructuring of Data Architecture. , 2017, , .		0
38	Mapping local and global variability in plant trait distributions. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E10937-E10946.	7.1	159
39	Informing climate models with rapid chamber measurements of forest carbon uptake. Global Change Biology, 2017, 23, 2130-2139.	9.5	9
40	Evaluating the Community Land Model (CLM4.5) at a coniferous forest site in northwestern United States using flux and carbon-isotope measurements. Biogeosciences, 2017, 14, 4315-4340.	3.3	54
41	Evaluating the Community Land Model in a pine stand with shading manipulations and $\delta^{13}\text{C}$ and $\delta^{18}\text{O}$ labeling. Biogeosciences, 2016, 13, 641-657.	3.3	18
42	An observational constraint on stomatal function in forests: evaluating coupled carbon and water vapor exchange with carbon isotopes in the Community Land Model (CLM4.5). Biogeosciences, 2016, 13, 5183-5204.	3.3	57
43	Biogeochemical modeling of CO_2 and CH_4 production in anoxic Arctic soil microcosms. Biogeosciences, 2016, 13, 5021-5041.	3.3	27
44	Addressing numerical challenges in introducing a reactive transport code into a land surface model: a biogeochemical modeling proof-of-concept with CLM-PFLOTRAN 1.0. Geoscientific Model Development, 2016, 9, 927-946.	3.6	14
45	Modeling the spatiotemporal variability in subsurface thermal regimes across a low-relief polygonal tundra landscape. Cryosphere, 2016, 10, 2241-2274.	3.9	29
46	Reviews and syntheses: Four decades of modeling methane cycling in terrestrial ecosystems. Biogeosciences, 2016, 13, 3735-3755.	3.3	102
47	Terrestrial ecosystem process model Biome-BGCMuSo v4.0: summary of improvements and new modeling possibilities. Geoscientific Model Development, 2016, 9, 4405-4437.	3.6	50
48	Evaluation of the Community Land Model simulated carbon and water fluxes against observations over ChinaFLUX sites. Agricultural and Forest Meteorology, 2016, 226-227, 174-185.	4.8	26
49	Phosphorus feedbacks constraining tropical ecosystem responses to changes in atmospheric CO_2 and climate. Geophysical Research Letters, 2016, 43, 7205-7214.	4.0	32
50	Human-induced greening of the northern extratropical land surface. Nature Climate Change, 2016, 6, 959-963.	18.8	145
51	On the development of a coupled regional climate-vegetation model RCM-CLM-CN-DV and its validation in Tropical Africa. Climate Dynamics, 2016, 46, 515-539.	3.8	53
52	Interdisciplinary research in climate and energy sciences. Wiley Interdisciplinary Reviews: Energy and Environment, 2016, 5, 49-56.	4.1	18
53	Incorporating phosphorus cycling into global modeling efforts: a worthwhile, tractable endeavor. New Phytologist, 2015, 208, 324-329.	7.3	163
54	Convergence of microbial assimilations of soil carbon, nitrogen, phosphorus and sulfur in terrestrial ecosystems. Scientific Reports, 2015, 5, 17445.	3.3	35

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55	A microbial functional group-based module for simulating methane production and consumption: Application to an incubated permafrost soil. Journal of Geophysical Research G: Biogeosciences, 2015, 120, 1315-1333.	3.0	56
56	Disentangling climatic and anthropogenic controls on global terrestrial evapotranspiration trends. Environmental Research Letters, 2015, 10, 094008.	5.2	119
57	Representing northern peatland microtopography and hydrology within the Community Land Model. Biogeosciences, 2015, 12, 6463-6477.	3.3	66
58	The integrated Earth system model version 1: formulation and functionality. Geoscientific Model Development, 2015, 8, 2203-2219.	3.6	44
59	Global sensitivity analysis, probabilistic calibration, and predictive assessment for the data assimilation linked ecosystem carbon model. Geoscientific Model Development, 2015, 8, 1899-1918.	3.6	25
60	Using ecosystem experiments to improve vegetation models. Nature Climate Change, 2015, 5, 528-534.	18.8	249
61	A Scientific Function Test Framework for Modular Environmental Model Development: Application to the Community Land Model. , 2015, , .		9
62	Preparing, storing, and distributing multi-dimensional scientific data. , 2015, , .		0
63	Leaf respiration (<i>GlobResp</i>) – global trait database supports Earth System Models. New Phytologist, 2015, 206, 483-485.	7.3	3
64	The role of phosphorus dynamics in tropical forests – a modeling study using CLM-CNP. Biogeosciences, 2014, 11, 1667-1681.	3.3	179
65	From land use to land cover: restoring the afforestation signal in a coupled integrated assessment – earth system model and the implications for CMIP5 RCP simulations. Biogeosciences, 2014, 11, 6435-6450.	3.3	49
66	DIMENSIONALITY REDUCTION FOR COMPLEX MODELS VIA BAYESIAN COMPRESSIVE SENSING. , 2014, 4, 63-93.		118
67	Web-based visual analytics for extreme scale climate science. , 2014, , .		6
68	Hydroclimatic Controls on the Means and Variability of Vegetation Phenology and Carbon Uptake. Journal of Climate, 2014, 27, 5632-5652.	3.2	19
69	On linking an Earth system model to the equilibrium carbon representation of an economically optimizing land use model. Geoscientific Model Development, 2014, 7, 2545-2555.	3.6	26
70	Where does the carbon go? A model – data intercomparison of vegetation carbon allocation and turnover processes at two temperate forest free-air CO ₂ enrichment sites. New Phytologist, 2014, 203, 883-899.	7.3	263
71	Evaluation of 11 terrestrial carbon – nitrogen cycle models against observations from two temperate F ₂ and A ₂ CO ₂ enrichment studies. New Phytologist, 2014, 202, 803-822.	7.3	378
72	Substrate and environmental controls on microbial assimilation of soil organic carbon: a framework for Earth system models. Ecology Letters, 2014, 17, 547-555.	6.4	148

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73	A functional test platform for the Community Land Model. Environmental Modelling and Software, 2014, 55, 25-31.	4.5	21
74	Preindustrial-Control and Twentieth-Century Carbon Cycle Experiments with the Earth System Model CESM1(BGC). Journal of Climate, 2014, 27, 8981-9005.	3.2	156
75	Comprehensive ecosystem modelâ€data synthesis using multiple data sets at two temperate forest freeâ€air CO ₂ enrichment experiments: Model performance at ambient CO ₂ concentration. Journal of Geophysical Research G: Biogeosciences, 2014, 119, 937-964.	3.0	95
76	ParCAT: Parallel Climate Analysis Toolkit. Procedia Computer Science, 2013, 18, 2367-2375.	2.0	6
77	Big data visual analytics for exploratory earth system simulation analysis. Computers and Geosciences, 2013, 61, 71-82.	4.2	75
78	Greenhouse Gas Policy Influences Climate via Direct Effects of Land-Use Change. Journal of Climate, 2013, 26, 3657-3670.	3.2	59
79	A global analysis of soil microbial biomass carbon, nitrogen and phosphorus in terrestrial ecosystems. Global Ecology and Biogeography, 2013, 22, 737-749.	5.8	762
80	Forest water use and water use efficiency at elevated <scp><scp>CO ₂ </sub></scp></scp>: a modelâ€data intercomparison at two contrasting temperate forest <scp>FACE</scp> sites. Global Change Biology, 2013, 19, 1759-1779.	9.5	314
81	Interactive Effects of Environmental Change and Management Strategies on Regional Forest Carbon Emissions. Environmental Science & Technology, 2013, 47, 13132-13140.	10.0	43
82	Spatiotemporal patterns of evapotranspiration in response to multiple environmental factors simulated by the Community Land Model. Environmental Research Letters, 2013, 8, 024012.	5.2	71
83	The distribution of soil phosphorus for global biogeochemical modeling. Biogeosciences, 2013, 10, 2525-2537.	3.3	181
84	Atmospheric Carbon Dioxide Variability in the Community Earth System Model: Evaluation and Transient Dynamics during the Twentieth and Twenty-First Centuries. Journal of Climate, 2013, 26, 4447-4475.	3.2	48
85	Evaluation and improvement of the Community Land Model (CLM4) in Oregon forests. Biogeosciences, 2013, 10, 453-470.	3.3	47
86	Global Latitudinal-Asymmetric Vegetation Growth Trends and Their Driving Mechanisms: 1982â€2009. Remote Sensing, 2013, 5, 1484-1497.	4.0	117
87	Evaluation of the New CNDV Option of the Community Land Model: Effects of Dynamic Vegetation and Interactive Nitrogen on CLM4 Means and Variability. Journal of Climate, 2012, 25, 3702-3714.	3.2	55
88	Remote Sensing Evaluation of CLM4 GPP for the Period 2000â€09*. Journal of Climate, 2012, 25, 5327-5342.	3.2	85
89	Simulating the Biogeochemical and Biogeophysical Impacts of Transient Land Cover Change and Wood Harvest in the Community Climate System Model (CCSM4) from 1850 to 2100. Journal of Climate, 2012, 25, 3071-3095.	3.2	255
90	Causes of spring vegetation growth trends in the northern midâ€high latitudes from 1982 to 2004. Environmental Research Letters, 2012, 7, 014010.	5.2	53

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91	Photoperiodic regulation of the seasonal pattern of photosynthetic capacity and the implications for carbon cycling. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 8612-8617.	7.1	247
92	Timing and magnitude of C partitioning through a young loblolly pine (Pinus taeda L.) stand using ¹³ C labeling and shade treatments. Tree Physiology, 2012, 32, 799-813.	3.1	38
93	Volcano impacts on climate and biogeochemistry in a coupled carbon-climate model. Earth System Dynamics, 2012, 3, 121-136.	7.1	8
94	Practical Application of Parallel Coordinates for Climate Model Analysis. Procedia Computer Science, 2012, 9, 877-886.	2.0	17
95	Sub-daily Statistical Downscaling of Meteorological Variables Using Neural Networks. Procedia Computer Science, 2012, 9, 887-896.	2.0	24
96	A model-data comparison of gross primary productivity: Results from the North American Carbon Program site synthesis. Journal of Geophysical Research, 2012, 117, .	3.3	274
97	Interactive Crop Management in the Community Earth System Model (CESM1): Seasonal Influences on Land-Atmosphere Fluxes. Journal of Climate, 2012, 25, 4839-4859.	3.2	140
98	North American Carbon Program (NACP) regional interim synthesis: Terrestrial biospheric model intercomparison. Ecological Modelling, 2012, 232, 144-157.	2.5	207
99	The impact of climate, CO ₂ , nitrogen deposition and land use change on simulated contemporary global river flow. Geophysical Research Letters, 2011, 38, n/a-n/a.	4.0	58
100	Simulating coupled carbon and nitrogen dynamics following mountain pine beetle outbreaks in the western United States. Journal of Geophysical Research, 2011, 116, .	3.3	73
101	Parameterization improvements and functional and structural advances in Version 4 of the Community Land Model. Journal of Advances in Modeling Earth Systems, 2011, 3, .	3.8	666
102	Parameterization improvements and functional and structural advances in Version 4 of the Community Land Model. Journal of Advances in Modeling Earth Systems, 2011, 3, n/a-n/a.	3.8	367
103	Decadal trends in net ecosystem production and net ecosystem carbon balance for a regional socioecological system. Forest Ecology and Management, 2011, 262, 1318-1325.	3.2	41
104	Desert dust and anthropogenic aerosol interactions in the Community Climate System Model coupled-carbon-climate model. Biogeosciences, 2011, 8, 387-414.	3.3	47
105	TRY - a global database of plant traits. Global Change Biology, 2011, 17, 2905-2935.	9.5	2,002
106	Harmonization of land-use scenarios for the period 1500-2100: 600 years of global gridded annual land-use transitions, wood harvest, and resulting secondary lands. Climatic Change, 2011, 109, 117-161.	3.6	1,080
107	Ecohydrologic impact of reduced stomatal conductance in forests exposed to elevated CO ₂ . Ecohydrology, 2011, 4, 196-210.	2.4	96
108	Observed 20th century desert dust variability: impact on climate and biogeochemistry. Atmospheric Chemistry and Physics, 2010, 10, 10875-10893.	4.9	355

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109	Fire dynamics during the 20th century simulated by the Community Land Model. <i>Biogeosciences</i> , 2010, 7, 1877-1902.	3.3	194
110	Assessment of Reanalysis Daily Extreme Temperatures with China's Homogenized Historical Dataset during 1979-2001 Using Probability Density Functions. <i>Journal of Climate</i> , 2010, 23, 6605-6623.	3.2	48
111	Carbon-nitrogen interactions regulate climate-carbon cycle feedbacks: results from an atmosphere-ocean general circulation model. <i>Biogeosciences</i> , 2009, 6, 2099-2120.	3.3	399
112	A hierarchical analysis of terrestrial ecosystem model Biome-BGC: Equilibrium analysis and model calibration. <i>Ecological Modelling</i> , 2009, 220, 2009-2023.	2.5	43
113	Systematic assessment of terrestrial biogeochemistry in coupled climate-carbon models. <i>Global Change Biology</i> , 2009, 15, 2462-2484.	9.5	324
114	Use of FLUXNET in the Community Land Model development. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	210
115	Improvements to the Community Land Model and their impact on the hydrological cycle. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	649
116	Remote sensing data assimilation for a prognostic phenology model. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	160
117	An Improved Canopy Integration Scheme for a Land Surface Model with Prognostic Canopy Structure. <i>Journal of Climate</i> , 2007, 20, 3902-3923.	3.2	183
118	Results from the carbon-land model intercomparison project (C-LAMP) and availability of the data on the earth system grid (ESG). <i>Journal of Physics: Conference Series</i> , 2007, 78, 012026.	0.4	7
119	Influence of carbon-nitrogen cycle coupling on land model response to CO ₂ fertilization and climate variability. <i>Global Biogeochemical Cycles</i> , 2007, 21, .	4.9	624
120	The Partitioning of Evapotranspiration into Transpiration, Soil Evaporation, and Canopy Evaporation in a GCM: Impacts on Land-Atmosphere Interaction. <i>Journal of Hydrometeorology</i> , 2007, 8, 862-880.	1.9	399
121	Model Up-scaling in Landscape Research. <i>Landscape Series</i> , 2007, , 249-272.	0.2	16
122	DAYCENT National-Scale Simulations of Nitrous Oxide Emissions from Cropped Soils in the United States. <i>Journal of Environmental Quality</i> , 2006, 35, 1451-1460.	2.0	204
123	Terrestrial biogeochemistry in the community climate system model (CCSM). <i>Journal of Physics: Conference Series</i> , 2006, 46, 363-369.	0.4	1
124	A diagnostic carbon flux model to monitor the effects of disturbance and interannual variation in climate on regional NEP. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2006, 58, 476-490.	1.6	71
125	The Community Land Model and Its Climate Statistics as a Component of the Community Climate System Model. <i>Journal of Climate</i> , 2006, 19, 2302-2324.	3.2	320
126	Ecosystem model spin-up: Estimating steady state conditions in a coupled terrestrial carbon and nitrogen cycle model. <i>Ecological Modelling</i> , 2005, 189, 25-48.	2.5	312

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127	Reimplementation of the Biome-BGC model to simulate successional change. <i>Tree Physiology</i> , 2005, 25, 413-424.	3.1	69
128	BGC-model parameters for tree species growing in central European forests. <i>Forest Ecology and Management</i> , 2005, 211, 264-295.	3.2	88
129	Archiving numerical models of biogeochemical dynamics. <i>Eos</i> , 2005, 86, 431.	0.1	17
130	Assessing future nitrogen deposition and carbon cycle feedback using a multimodel approach: Analysis of nitrogen deposition. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	266
131	OAK FOREST CARBON AND WATER SIMULATIONS: MODEL INTERCOMPARISONS AND EVALUATIONS AGAINST INDEPENDENT DATA. <i>Ecological Monographs</i> , 2004, 74, 443-489.	5.4	225
132	VEMAP Phase 2 bioclimatic database. I. Gridded historical (20th century) climate for modeling ecosystem dynamics across the conterminous USA. <i>Climate Research</i> , 2004, 27, 151-170.	1.1	42
133	Analyzing the Ecosystem Carbon Dynamics of Four European Coniferous Forests Using a Biogeochemistry Model. <i>Ecosystems</i> , 2003, 6, 168-184.	3.4	101
134	Inter-annual variability of the atmospheric carbon dioxide concentrations as simulated with global terrestrial biosphere models and an atmospheric transport model. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2003, 55, 530-546.	1.6	13
135	Changes in carbon storage and fluxes in a chronosequence of ponderosa pine. <i>Global Change Biology</i> , 2003, 9, 510-524.	9.5	333
136	Climatic and biophysical controls on conifer species distributions in mountain forests of Washington State, USA. <i>Journal of Biogeography</i> , 2003, 30, 1093-1108.	3.0	79
137	Validating daily climate interpolations over complex terrain in Austria. <i>Agricultural and Forest Meteorology</i> , 2003, 119, 87-107.	4.8	88
138	Inter-annual variability of the atmospheric carbon dioxide concentrations as simulated with global terrestrial biosphere models and an atmospheric transport model. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2003, 55, 530-546.	1.6	3
139	Recent trends in hydrologic balance have enhanced the terrestrial carbon sink in the United States. <i>Geophysical Research Letters</i> , 2002, 29, 106-1-106-4.	4.0	139
140	Modeling and measuring the effects of disturbance history and climate on carbon and water budgets in evergreen needleleaf forests. <i>Agricultural and Forest Meteorology</i> , 2002, 113, 185-222.	4.8	765
141	Satellite Evidence of Phenological Differences Between Urbanized and Rural Areas of the Eastern United States Deciduous Broadleaf Forest. <i>Ecosystems</i> , 2002, 5, 260-273.	3.4	220
142	Carbon storage and fluxes in ponderosa pine forests at different developmental stages. <i>Global Change Biology</i> , 2001, 7, 755-777.	9.5	356
143	Parameterization and Sensitivity Analysis of the BIOMEâ€“BGC Terrestrial Ecosystem Model: Net Primary Production Controls. <i>Earth Interactions</i> , 2000, 4, 1-85.	1.5	654
144	Simultaneous estimation of daily solar radiation and humidity from observed temperature and precipitation: an application over complex terrain in Austria. <i>Agricultural and Forest Meteorology</i> , 2000, 104, 255-271.	4.8	333

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145	Contribution of Increasing CO ₂ and Climate to Carbon Storage by Ecosystems in the United States. Science, 2000, 287, 2004-2006.	12.6	526
146	Global Terrestrial Gross and Net Primary Productivity from the Earth Observing System. , 2000, , 44-57.		357
147	The impact of growing-season length variability on carbon assimilation and evapotranspiration over 88 years in the eastern US deciduous forest. International Journal of Biometeorology, 1999, 42, 139-145.	3.0	328
148	An improved algorithm for estimating incident daily solar radiation from measurements of temperature, humidity, and precipitation. Agricultural and Forest Meteorology, 1999, 93, 211-228.	4.8	637
149	ASSESSING SIMULATED ECOSYSTEM PROCESSES FOR CLIMATE VARIABILITY RESEARCH AT GLACIER NATIONAL PARK, USA. , 1998, 8, 805-823.		46
150	Simulating forest productivity and surface-atmosphere carbon exchange in the BOREAS study region. Tree Physiology, 1997, 17, 589-599.	3.1	163
151	A continental phenology model for monitoring vegetation responses to interannual climatic variability. Global Biogeochemical Cycles, 1997, 11, 217-234.	4.9	1,004
152	Generating surfaces of daily meteorological variables over large regions of complex terrain. Journal of Hydrology, 1997, 190, 214-251.	5.4	1,168
153	Analysis of transpiration results from the RICE and PILPS workshop. Global and Planetary Change, 1996, 13, 73-88.	3.5	71
154	Ecosystem sensitivity to land-surface models and leaf area index. Global and Planetary Change, 1996, 13, 89-98.	3.5	20
155	Mapping classes of carbon. Nature Sustainability, 0, , .	23.7	0
156	Upscaling Methane Flux From Plot Level to Eddy Covariance Tower Domains in Five Alaskan Tundra Ecosystems. Frontiers in Environmental Science, 0, 10, .	3.3	0