

# Ben Bond-Lamberty

## List of Publications by Year in descending order

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Version: 2024-02-01

157  
papers

15,696  
citations

23500

58  
h-index

18606

119  
g-index

225  
all docs

225  
docs citations

225  
times ranked

19180  
citing authors

#	ARTICLE	IF	CITATIONS
1	Revisiting diffusion-based moisture functions: why do they fail?. <i>Soil Biology and Biochemistry</i> , 2022, 165, 108525.	4.2	6
2	The global contribution of roots to total soil respiration. <i>Global Ecology and Biogeography</i> , 2022, 31, 685-699.	2.7	17
3	Inferring the effects of partial defoliation on the carbon cycle from forest structure: challenges and opportunities. <i>Environmental Research Letters</i> , 2022, 17, 011002.	2.2	3
4	Climate Drives Modeled Forest Carbon Cycling Resistance and Resilience in the Upper Great Lakes Region, USA. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2022, 127, .	1.3	4
5	Ideas and perspectives: Enhancing research and monitoring of carbon pools and land-to-atmosphere greenhouse gases exchange in developing countries. <i>Biogeosciences</i> , 2022, 19, 1435-1450.	1.3	4
6	Historically inconsistent productivity and respiration fluxes in the global terrestrial carbon cycle. <i>Nature Communications</i> , 2022, 13, 1733.	5.8	25
7	Disturbance legacies regulate coastal forest soil stability to changing salinity and inundation: A soil transplant experiment. <i>Soil Biology and Biochemistry</i> , 2022, 169, 108675.	4.2	6
8	Disturbance has variable effects on the structural complexity of a temperate forest landscape. <i>Ecological Indicators</i> , 2022, 140, 109004.	2.6	7
9	The influence of increasing atmospheric $\text{CO}_2$ , temperature, and vapor pressure deficit on seawater-induced tree mortality. <i>New Phytologist</i> , 2022, 235, 1767-1779.	3.5	12
10	Optical vegetation indices for monitoring terrestrial ecosystems globally. <i>Nature Reviews Earth &amp; Environment</i> , 2022, 3, 477-493.	12.2	191
11	Processes and mechanisms of coastal woody plant mortality. <i>Global Change Biology</i> , 2022, 28, 5881-5900.	4.2	22
12	Forest Structural Complexity and Biomass Predict First-Year Carbon Cycling Responses to Disturbance. <i>Ecosystems</i> , 2021, 24, 699-712.	1.6	17
13	HIRM v1.0: a hybrid impulse response model for climate modeling and uncertainty analyses. <i>Geoscientific Model Development</i> , 2021, 14, 365-375.	1.3	3
14	Coastal Forest Seawater Exposure Increases Stem Methane Concentration. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2021, 126, e2020JG005915.	1.3	8
15	Antecedent conditions determine the biogeochemical response of coastal soils to seawater exposure. <i>Soil Biology and Biochemistry</i> , 2021, 153, 108104.	4.2	7
16	A restructured and updated global soil respiration database (SRDB-V5). <i>Earth System Science Data</i> , 2021, 13, 255-267.	3.7	42
17	The <code>fortedata</code> R package: open-science datasets from a manipulative experiment testing forest resilience. <i>Earth System Science Data</i> , 2021, 13, 943-952.	3.7	9
18	Global patterns of forest autotrophic carbon fluxes. <i>Global Change Biology</i> , 2021, 27, 2840-2855.	4.2	18

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19	Carbon cycling in mature and regrowth forests globally. <i>Environmental Research Letters</i> , 2021, 16, 053009.	2.2	41
20	A reporting format for field measurements of soil respiration. <i>Ecological Informatics</i> , 2021, 62, 101280.	2.3	9
21	Spatial biases of information influence global estimates of soil respiration: How can we improve global predictions?. <i>Global Change Biology</i> , 2021, 27, 3923-3938.	4.2	32
22	Soil carbon dynamics during drying vs. rewetting: Importance of antecedent moisture conditions. <i>Soil Biology and Biochemistry</i> , 2021, 156, 108165.	4.2	30
23	Soil texture and environmental conditions influence the biogeochemical responses of soils to drought and flooding. <i>Communications Earth &amp; Environment</i> , 2021, 2, .	2.6	35
24	A permafrost implementation in the simple carbon climate model Hector v.2.3pf. <i>Geoscientific Model Development</i> , 2021, 14, 4751-4767.	1.3	3
25	Disturbance accelerated succession increases the production of a temperate forest. <i>Ecological Applications</i> , 2021, 31, e02417.	1.8	15
26	Leveraging observed soil heterotrophic respiration fluxes as a novel constraint on global scale models. <i>Global Change Biology</i> , 2021, 27, 5392-5403.	4.2	10
27	A Guide to Using GitHub for Developing and Versioning Data Standards and Reporting Formats. <i>Earth and Space Science</i> , 2021, 8, e2021EA001797.	1.1	7
28	A Data-Driven Global Soil Heterotrophic Respiration Dataset and the Drivers of Its Inter-Annual Variability. <i>Global Biogeochemical Cycles</i> , 2021, 35, e2020GB006918.	1.9	18
29	Spatial access and resource limitations control carbon mineralization in soils. <i>Soil Biology and Biochemistry</i> , 2021, 162, 108427.	4.2	7
30	A decreasing carbon allocation to belowground autotrophic respiration in global forest ecosystems. <i>Science of the Total Environment</i> , 2021, 798, 149273.	3.9	6
31	A multidimensional stability framework enhances interpretation and comparison of carbon cycling response to disturbance. <i>Ecosphere</i> , 2021, 12, e03800.	1.0	13
32	TRY plant trait database enhanced coverage and open access. <i>Global Change Biology</i> , 2020, 26, 119-188.	4.2	1,038
33	COSORE: A community database for continuous soil respiration and other soil-atmosphere greenhouse gas flux data. <i>Global Change Biology</i> , 2020, 26, 7268-7283.	4.2	50
34	Tree growth, transpiration, and water-use efficiency between shoreline and upland red maple ( <i>Acer</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.9	
35	The DOE E3SM v1.1 Biogeochemistry Configuration: Description and Simulated Ecosystem Climate Responses to Historical Changes in Forcing. <i>Journal of Advances in Modeling Earth Systems</i> , 2020, 12, e2019MS001766.	1.3	65
36	Structure and parameter uncertainty in centennial projections of forest community structure and carbon cycling. <i>Global Change Biology</i> , 2020, 26, 6080-6096.	4.2	25

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37	Decadal-scale Recovery of Carbon Stocks After Wildfires Throughout the Boreal Forests. <i>Global Biogeochemical Cycles</i> , 2020, 34, e2020GB006612.	1.9	19
38	Aboveground Wood Production Is Sustained in the First Growing Season after Phloem-Disrupting Disturbance. <i>Forests</i> , 2020, 11, 1306.	0.9	7
39	Initial Land Use/Cover Distribution Substantially Affects Global Carbon and Local Temperature Projections in the Integrated Earth System Model. <i>Global Biogeochemical Cycles</i> , 2020, 34, e2019GB006383.	1.9	6
40	Representing the function and sensitivity of coastal interfaces in Earth system models. <i>Nature Communications</i> , 2020, 11, 2458.	5.8	153
41	Pervasive shifts in forest dynamics in a changing world. <i>Science</i> , 2020, 368, .	6.0	576
42	Localized basal area affects soil respiration temperature sensitivity in a coastal deciduous forest. <i>Biogeosciences</i> , 2020, 17, 771-780.	1.3	5
43	Prediction of annual soil respiration from its flux at mean annual temperature. <i>Agricultural and Forest Meteorology</i> , 2020, 287, 107961.	1.9	16
44	Global plant trait relationships extend to the climatic extremes of the tundra biome. <i>Nature Communications</i> , 2020, 11, 1351.	5.8	52
45	Application of multidimensional structural characterization to detect and describe moderate forest disturbance. <i>Ecosphere</i> , 2020, 11, e03156.	1.0	32
46	Collar Properties and Measurement Time Confer Minimal Bias Overall on Annual Soil Respiration Estimates in a Global Database. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2020, 125, e2020JG006066.	1.3	4
47	Active layer depth and soil properties impact specific leaf area variation and ecosystem productivity in a boreal forest. <i>PLoS ONE</i> , 2020, 15, e0232506.	1.1	8
48	Fldgen v1.0: an emulator with internal variability and space-time correlation for Earth system models. <i>Geoscientific Model Development</i> , 2019, 12, 1477-1489.	1.3	17
49	Characteristics of human-climate feedbacks differ at different radiative forcing levels. <i>Global and Planetary Change</i> , 2019, 180, 126-135.	1.6	10
50	Apparent temperature sensitivity of soil respiration can result from temperature driven changes in microbial biomass. <i>Soil Biology and Biochemistry</i> , 2019, 135, 286-293.	4.2	29
51	GCAM v5.1: representing the linkages between energy, water, land, climate, and economic systems. <i>Geoscientific Model Development</i> , 2019, 12, 677-698.	1.3	211
52	Soil Respiration Variability and Correlation Across a Wide Range of Temporal Scales. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2019, 124, 3672-3683.	1.3	9
53	Joint emulation of Earth System Model temperature-precipitation realizations with internal variability and space-time and cross-variable correlation: fldgen v2.0 software description. <i>PLoS ONE</i> , 2019, 14, e0223542.	1.1	4
54	Spatial Predictions and Associated Uncertainty of Annual Soil Respiration at the Global Scale. <i>Global Biogeochemical Cycles</i> , 2019, 33, 1733-1745.	1.9	68

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55	<i>gcamdata</i>: An R Package for Preparation, Synthesis, and Tracking of Input Data for the GCAM Integrated Human-Earth Systems Model. <i>Journal of Open Research Software</i> , 2019, 7, 6.	2.7	17
56	ForC: a global database of forest carbon stocks and fluxes. <i>Ecology</i> , 2018, 99, 1507-1507.	1.5	37
57	Human impacts on 20th century fire dynamics and implications for global carbon and water trajectories. <i>Global and Planetary Change</i> , 2018, 162, 18-27.	1.6	25
58	Using greenhouse gas fluxes to define soil functional types. <i>Plant and Soil</i> , 2018, 423, 285-294.	1.8	15
59	Data Sharing and Scientific Impact in Eddy Covariance Research. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2018, 123, 1440-1443.	1.3	13
60	A new approach to evaluate the MODIS annual NPP product (MOD17A3) using forest field data from Turkey. <i>International Journal of Remote Sensing</i> , 2018, 39, 2560-2578.	1.3	17
61	Networking our science to characterize the state, vulnerabilities, and management opportunities of soil organic matter. <i>Global Change Biology</i> , 2018, 24, e705-e718.	4.2	92
62	Soil carbon cycling proxies: Understanding their critical role in predicting climate change feedbacks. <i>Global Change Biology</i> , 2018, 24, 895-905.	4.2	61
63	Comparing ecosystem and soil respiration: Review and key challenges of tower-based and soil measurements. <i>Agricultural and Forest Meteorology</i> , 2018, 249, 434-443.	1.9	89
64	Power laws and critical fragmentation in global forests. <i>Scientific Reports</i> , 2018, 8, 17766.	1.6	13
65	Plant functional trait change across a warming tundra biome. <i>Nature</i> , 2018, 562, 57-62.	13.7	451
66	Quantifying Human-Mediated Carbon Cycle Feedbacks. <i>Geophysical Research Letters</i> , 2018, 45, 11,370.	1.5	7
67	Thinning Can Reduce Losses in Carbon Use Efficiency and Carbon Stocks in Managed Forests Under Warmer Climate. <i>Journal of Advances in Modeling Earth Systems</i> , 2018, 10, 2427-2452.	1.3	56
68	A moisture function of soil heterotrophic respiration that incorporates microscale processes. <i>Nature Communications</i> , 2018, 9, 2562.	5.8	124
69	Globally rising soil heterotrophic respiration over recent decades. <i>Nature</i> , 2018, 560, 80-83.	13.7	360
70	New Techniques and Data for Understanding the Global Soil Respiration Flux. <i>Earth's Future</i> , 2018, 6, 1176-1180.	2.4	44
71	Integrated human-earth system modeling—state of the science and future directions. <i>Environmental Research Letters</i> , 2018, 13, 063006.	2.2	72
72	The SSP4: A world of deepening inequality. <i>Global Environmental Change</i> , 2017, 42, 284-296.	3.6	265

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73	Differences in soluble organic carbon chemistry in pore waters sampled from different pore size domains. <i>Soil Biology and Biochemistry</i> , 2017, 107, 133-143.	4.2	107
74	Grand Challenges in Understanding the Interplay of Climate and Land Changes. <i>Earth Interactions</i> , 2017, 21, 1-43.	0.7	24
75	Impact of fire on global land surface air temperature and energy budget for the 20th century due to changes within ecosystems. <i>Environmental Research Letters</i> , 2017, 12, 044014.	2.2	45
76	Biospheric feedback effects in a synchronously coupled model of human and Earth systems. <i>Nature Climate Change</i> , 2017, 7, 496-500.	8.1	46
77	Regional contribution to variability and trends of global gross primary productivity. <i>Environmental Research Letters</i> , 2017, 12, 105005.	2.2	65
78	Quantifying and reducing the differences in forest CO <sub>2</sub> -fluxes estimated by eddy covariance, biometric and chamber methods: A global synthesis. <i>Agricultural and Forest Meteorology</i> , 2017, 247, 93-103.	1.9	40
79	Mapping local and global variability in plant trait distributions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E10937-E10946.	3.3	159
80	Shifts in pore connectivity from precipitation versus groundwater rewetting increases soil carbon loss after drought. <i>Nature Communications</i> , 2017, 8, 1335.	5.8	88
81	The value of soil respiration measurements for interpreting and modeling terrestrial carbon cycling. <i>Plant and Soil</i> , 2017, 413, 1-25.	1.8	81
82	Exploring precipitation pattern scaling methodologies and robustness among CMIP5 models. <i>Geoscientific Model Development</i> , 2017, 10, 1889-1902.	1.3	12
83	Soil respiration across a permafrost transition zone: spatial structure and environmental correlates. <i>Biogeosciences</i> , 2017, 14, 4341-4354.	1.3	7
84	Synergy between land use and climate change increases future fire risk in Amazon forests. <i>Earth System Dynamics</i> , 2017, 8, 1237-1246.	2.7	71
85	An open-access CMIP5 pattern library for temperature and precipitation: description and methodology. <i>Earth System Science Data</i> , 2017, 9, 281-292.	3.7	20
86	Ocean acidification over the next three centuries using a simple global climate carbon-cycle model: projections and sensitivities. <i>Biogeosciences</i> , 2016, 13, 4329-4342.	1.3	54
87	Temperature and moisture effects on greenhouse gas emissions from deep active-layer boreal soils. <i>Biogeosciences</i> , 2016, 13, 6669-6681.	1.3	22
88	Aligning the Measurement of Microbial Diversity with Macroecological Theory. <i>Frontiers in Microbiology</i> , 2016, 7, 1487.	1.5	13
89	Soil Respiration and Bacterial Structure and Function after 17 Years of a Reciprocal Soil Transplant Experiment. <i>PLoS ONE</i> , 2016, 11, e0150599.	1.1	60
90	Estimating heterotrophic respiration at large scales: challenges, approaches, and next steps. <i>Ecosphere</i> , 2016, 7, e01380.	1.0	35

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91	Running an open experiment: transparency and reproducibility in soil and ecosystem science. <i>Environmental Research Letters</i> , 2016, 11, 084004.	2.2	13
92	Peer review report 1 on "N and P fertilization reduced soil autotrophic and heterotrophic respiration in a young <i>Cunninghamia lanceolata</i> forest". <i>Agricultural and Forest Meteorology</i> , 2016, 217, 440-441.	1.9	0
93	Pore-scale investigation on the response of heterotrophic respiration to moisture conditions in heterogeneous soils. <i>Biogeochemistry</i> , 2016, 131, 121-134.	1.7	54
94	Disturbance, complexity, and succession of net ecosystem production in North America's temperate deciduous forests. <i>Ecosphere</i> , 2016, 7, e01375.	1.0	60
95	Biomass offsets little or none of permafrost carbon release from soils, streams, and wildfire: an expert assessment. <i>Environmental Research Letters</i> , 2016, 11, 034014.	2.2	199
96	Moderate forest disturbance as a stringent test for gap and big-leaf models. <i>Biogeosciences</i> , 2015, 12, 513-526.	1.3	16
97	HESFIRE: a global fire model to explore the role of anthropogenic and weather drivers. <i>Biogeosciences</i> , 2015, 12, 887-903.	1.3	36
98	The integrated Earth system model version 1: formulation and functionality. <i>Geoscientific Model Development</i> , 2015, 8, 2203-2219.	1.3	44
99	A simple object-oriented and open-source model for scientific and policy analyses of the global climate system "Hector v1.0". <i>Geoscientific Model Development</i> , 2015, 8, 939-955.	1.3	92
100	A global map of urban extent from nightlights. <i>Environmental Research Letters</i> , 2015, 10, 054011.	2.2	228
101	BAAD: a Biomass And Allometry Database for woody plants. <i>Ecology</i> , 2015, 96, 1445-1445.	1.5	122
102	The effects of climate sensitivity and carbon cycle interactions on mitigation policy stringency. <i>Climatic Change</i> , 2015, 131, 35-50.	1.7	4
103	Simulations of ecosystem hydrological processes using a unified multi-scale model. <i>Ecological Modelling</i> , 2015, 296, 93-101.	1.2	10
104	A Novel Modelling Approach for Predicting Forest Growth and Yield under Climate Change. <i>PLoS ONE</i> , 2015, 10, e0132066.	1.1	46
105	Quantifying and Mapping the Supply of and Demand for Carbon Storage and Sequestration Service from Urban Trees. <i>PLoS ONE</i> , 2015, 10, e0136392.	1.1	37
106	Quantifying the role of fire in the Earth system "Part 2: Impact on the net carbon balance of global terrestrial ecosystems for the 20th century. <i>Biogeosciences</i> , 2014, 11, 1345-1360.	1.3	62
107	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. <i>Biogeosciences</i> , 2014, 11, 6435-6450.	1.3	49
108	On linking an Earth system model to the equilibrium carbon representation of an economically optimizing land use model. <i>Geoscientific Model Development</i> , 2014, 7, 2545-2555.	1.3	26

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109	Disturbance legacies and climate jointly drive tree growth and mortality in an intensively studied boreal forest. <i>Global Change Biology</i> , 2014, 20, 216-227.	4.2	74
110	Completing the data life cycle: using information management in macrosystems ecology research. <i>Frontiers in Ecology and the Environment</i> , 2014, 12, 24-30.	1.9	71
111	Approaches to advance scientific understanding of macrosystems ecology. <i>Frontiers in Ecology and the Environment</i> , 2014, 12, 15-23.	1.9	57
112	Frozen Cropland Soil in Northeast China as Source of N <sub>2</sub> O and CO <sub>2</sub> Emissions. <i>PLoS ONE</i> , 2014, 9, e115761.	1.1	12
113	Seasonality of soil CO <sub>2</sub> efflux in a temperate forest: Biophysical effects of snowpack and spring freeze-thaw cycles. <i>Agricultural and Forest Meteorology</i> , 2013, 177, 83-92.	1.9	65
114	Global vegetation model diversity and the risks of climate-driven ecosystem shifts. <i>Environmental Research Letters</i> , 2013, 8, 041004.	2.2	1
115	Sensitivity of climate mitigation strategies to natural disturbances. <i>Environmental Research Letters</i> , 2013, 8, 015018.	2.2	21
116	The resilience and functional role of moss in boreal and arctic ecosystems. <i>New Phytologist</i> , 2012, 196, 49-67.	3.5	322
117	Observations and assessment of forest carbon dynamics following disturbance in North America. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	112
118	Effects of soil rewetting and thawing on soil gas fluxes: a review of current literature and suggestions for future research. <i>Biogeosciences</i> , 2012, 9, 2459-2483.	1.3	378
119	Multi-Year Lags between Forest Browning and Soil Respiration at High Northern Latitudes. <i>PLoS ONE</i> , 2012, 7, e50441.	1.1	18
120	Heterotrophic respiration in disturbed forests: A review with examples from North America. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	137
121	Simulating the impacts of disturbances on forest carbon cycling in North America: Processes, data, models, and challenges. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	129
122	Patterns of NPP, GPP, respiration, and NEP during boreal forest succession. <i>Global Change Biology</i> , 2011, 17, 855-871.	4.2	391
123	A comparison of trenched plot techniques for partitioning soil respiration. <i>Soil Biology and Biochemistry</i> , 2011, 43, 2108-2114.	4.2	72
124	RCP4.5: a pathway for stabilization of radiative forcing by 2100. <i>Climatic Change</i> , 2011, 109, 77-94.	1.7	1,238
125	Measurement and modelling of bryophyte evaporation in a boreal forest chronosequence. <i>Ecohydrology</i> , 2011, 4, 26-35.	1.1	30
126	Consequences of Stand Age and Species™ Functional Trait Changes on Ecosystem Water Use of Forests. <i>Tree Physiology</i> , 2011, , 481-505.	0.9	5



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127	Dynamics of fine roots in five Chinese temperate forests. <i>Journal of Plant Research</i> , 2010, 123, 497-507.	1.2	27
128	Temperature-associated increases in the global soil respiration record. <i>Nature</i> , 2010, 464, 579-582.	13.7	1,230
129	A global database of soil respiration data. <i>Biogeosciences</i> , 2010, 7, 1915-1926.	1.3	437
130	Climate mitigation and the future of tropical landscapes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 19633-19638.	3.3	76
131	2.6: Limiting climate change to 450Åppm CO <sub>2</sub> equivalent in the 21st century. <i>Energy Economics</i> , 2009, 31, S107-S120.	5.6	106
132	Effects of fire on regional evapotranspiration in the central Canadian boreal forest. <i>Global Change Biology</i> , 2009, 15, 1242-1254.	4.2	86
133	Implications of Limiting CO <sub>2</sub> Concentrations for Land Use and Energy. <i>Science</i> , 2009, 324, 1183-1186.	6.0	778
134	Decomposition and Fragmentation of Coarse Woody Debris: Re-visiting a Boreal Black Spruce Chronosequence. <i>Ecosystems</i> , 2008, 11, 831-840.	1.6	70
135	Carbon allocation in boreal black spruce forests across regions varying in soil temperature and precipitation. <i>Global Change Biology</i> , 2008, 14, 1503-1516.	4.2	65
136	Improved simulation of poorly drained forests using Biome-BGC. <i>Tree Physiology</i> , 2007, 27, 703-715.	1.4	50
137	Fire as the dominant driver of central Canadian boreal forest carbon balance. <i>Nature</i> , 2007, 450, 89-92.	13.7	441
138	Estimation of stand-level leaf area for boreal bryophytes. <i>Oecologia</i> , 2007, 151, 584-592.	0.9	57
139	Simulation of boreal black spruce chronosequences: Comparison to field measurements and model evaluation. <i>Journal of Geophysical Research</i> , 2006, 111, n/a-n/a.	3.3	19
140	Nitrogen dynamics of a boreal black spruce wildfire chronosequence. <i>Biogeochemistry</i> , 2006, 81, 1-16.	1.7	51
141	Spatial dynamics of soil moisture and temperature in a black spruce boreal chronosequence. <i>Canadian Journal of Forest Research</i> , 2006, 36, 2794-2802.	0.8	9
142	Effects of stand age and tree species on canopy transpiration and average stomatal conductance of boreal forests. <i>Plant, Cell and Environment</i> , 2005, 28, 660-678.	2.8	245
143	Reimplementation of the Biome-BGC model to simulate successional change. <i>Tree Physiology</i> , 2005, 25, 413-424.	1.4	69
144	Woody debris along an upland chronosequence in boreal Manitoba and its impact on long-term carbon storage. <i>Canadian Journal of Forest Research</i> , 2005, 35, 472-482.	0.8	68

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145	Spatiotemporal measurement and modeling of stand-level boreal forest soil temperatures. <i>Agricultural and Forest Meteorology</i> , 2005, 131, 27-40.	1.9	54
146	Contribution of root respiration to soil surface CO <sub>2</sub> flux in a boreal black spruce chronosequence. <i>Tree Physiology</i> , 2004, 24, 1387-1395.	1.4	128
147	A global relationship between the heterotrophic and autotrophic components of soil respiration?. <i>Global Change Biology</i> , 2004, 10, 1756-1766.	4.2	482
148	Net primary production and net ecosystem production of a boreal black spruce wildfire chronosequence. <i>Global Change Biology</i> , 2004, 10, 473-487.	4.2	244
149	Carbon distribution of a well- and poorly-drained black spruce fire chronosequence. <i>Global Change Biology</i> , 2003, 9, 1066-1079.	4.2	116
150	Soil surface CO <sub>2</sub> flux in a boreal black spruce fire chronosequence. <i>Journal of Geophysical Research</i> , 2003, 108, WFX 5-1.	3.3	68
151	The use of multiple measurement techniques to refine estimates of conifer needle geometry. <i>Canadian Journal of Forest Research</i> , 2003, 33, 101-105.	0.8	21
152	Leaf area dynamics of a boreal black spruce fire chronosequence. <i>Tree Physiology</i> , 2002, 22, 993-1001.	1.4	95
153	Aboveground and belowground biomass and sapwood area allometric equations for six boreal tree species of northern Manitoba. <i>Canadian Journal of Forest Research</i> , 2002, 32, 1441-1450.	0.8	214
154	Annual carbon flux from woody debris for a boreal black spruce fire chronosequence. <i>Journal of Geophysical Research</i> , 2002, 107, WFX 1-1-WFX 1-10.	3.3	75
155	Environmental controls on carbon dioxide flux from black spruce coarse woody debris. <i>Oecologia</i> , 2002, 132, 374-381.	0.9	91
156	The influence of fire on carbon distribution and net primary production of boreal <i>Larix gmelinii</i> forests in north-eastern China. <i>Global Change Biology</i> , 2001, 7, 719-730.	4.2	121
157	Structural complexity and primary production resistance are coupled in a temperate forest. <i>Frontiers in Forests and Global Change</i> , 0, 5, .	1.0	5