

# Jonathan J Lloyd

## List of Publications by Year in descending order

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160  
papers

27,160  
citations

13068

68  
h-index

6979

154  
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168  
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168  
docs citations

168  
times ranked

22646  
citing authors

#	ARTICLE	IF	CITATIONS
1	Current perspectives on the terrestrial carbon cycle. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 51, 336.	0.8	1
2	Estimates of regional surface carbon dioxide exchange and carbon and oxygen isotope discrimination during photosynthesis from concentration profiles in the atmospheric boundary layer. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 54, 768.	0.8	11
3	Annual ecosystem respiration budget for a <i>Pinus sylvestris</i> stand in central Siberia. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 54, 568.	0.8	21
4	A trace-gas climatology above Zotino, central Siberia. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 54, 749.	0.8	21
5	Carbon balance of a southern taiga spruce stand in European Russia. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 54, 429.	0.8	46
6	Inter-annual and seasonal variations of energy and water vapour fluxes above a <i>Pinus sylvestris</i> forest in the Siberian middle taiga. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 54, 537.	0.8	18
7	Remote sensing of photosynthetic-light-use efficiency of a Siberian boreal forest. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 54, 677.	0.8	38
8	Primary modes of tree mortality in southwestern Amazon forests. <i>Trees, Forests and People</i> , 2022, 7, 100180.	0.8	0
9	Wood Nutrient-Water-Density Linkages Are Influenced by Both Species and Environment. <i>Frontiers in Plant Science</i> , 2022, 13, 778403.	1.7	4
10	Tropical Tree Species 3D Modelling and Classification Based on LiDAR Technology. , 2022, , 326-346.		0
11	Expanding tropical forest monitoring into Dry Forests: The DRYFLOR protocol for permanent plots. <i>Plants People Planet</i> , 2021, 3, 295-300.	1.6	12
12	Amazon tree dominance across forest strata. <i>Nature Ecology and Evolution</i> , 2021, 5, 757-767.	3.4	27
13	Fire regimes, fire experiments and alternative stable states in mesic savannas. <i>New Phytologist</i> , 2021, 231, 14-18.	3.5	0
14	Tree mode of death and mortality risk factors across Amazon forests. <i>Nature Communications</i> , 2020, 11, 5515.	5.8	62
15	Fixed or mixed? Variation in tree functional types and vegetation structure in a forest-savanna ecotone in West Africa. <i>Journal of Tropical Ecology</i> , 2020, 36, 133-149.	0.5	5
16	Biased-corrected richness estimates for the Amazonian tree flora. <i>Scientific Reports</i> , 2020, 10, 10130.	1.6	53
17	Functional Trait Variation Among and Within Species and Plant Functional Types in Mountainous Mediterranean Forests. <i>Frontiers in Plant Science</i> , 2020, 11, 212.	1.7	35
18	Variations in soil chemical and physical properties explain basin-wide Amazon forest soil carbon concentrations. <i>Soil</i> , 2020, 6, 53-88.	2.2	36

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19	Tropical Tree Species 3D Modelling and Classification Based on LiDAR Technology. <i>Advances in Multimedia and Interactive Technologies Book Series</i> , 2020, , 1-22.	0.1	0
20	Tropical Tree Branch-Leaf Nutrient Scaling Relationships Vary With Sampling Location. <i>Frontiers in Plant Science</i> , 2019, 10, 877.	1.7	15
21	Impacts of Fire on Forest Biomass Dynamics at the Southern Amazon Edge. <i>Environmental Conservation</i> , 2019, 46, 285-292.	0.7	18
22	Rarity of monodominance in hyperdiverse Amazonian forests. <i>Scientific Reports</i> , 2019, 9, 13822.	1.6	28
23	Seeking Resistance in Coral Reef Ecosystems: The Interplay of Biophysical Factors and Bleaching Resistance under a Changing Climate. <i>BioEssays</i> , 2019, 41, e1800226.	1.2	21
24	Compositional response of Amazon forests to climate change. <i>Global Change Biology</i> , 2019, 25, 39-56.	4.2	265
25	Field methods for sampling tree height for tropical forest biomass estimation. <i>Methods in Ecology and Evolution</i> , 2018, 9, 1179-1189.	2.2	78
26	On the relationship between fire regime and vegetation structure in the tropics. <i>New Phytologist</i> , 2018, 218, 153-166.	3.5	64
27	Functional trait variation related to gap dynamics in tropical moist forests: A vegetation modelling perspective. <i>Perspectives in Plant Ecology, Evolution and Systematics</i> , 2018, 35, 52-64.	1.1	9
28	Rainforest trees respond to drought by modifying their hydraulic architecture. <i>Ecology and Evolution</i> , 2018, 8, 12479-12491.	0.8	34
29	Pan-tropical prediction of forest structure from the largest trees. <i>Global Ecology and Biogeography</i> , 2018, 27, 1366-1383.	2.7	78
30	Carbon uptake by mature Amazon forests has mitigated Amazon nations' carbon emissions. <i>Carbon Balance and Management</i> , 2017, 12, 1.	1.4	98
31	MODIS VCF should not be used to detect discontinuities in tree cover due to binning bias. A comment on Hanan et al. (2014) and Staver and Hansen (2015). <i>Global Ecology and Biogeography</i> , 2017, 26, 854-859.	2.7	16
32	Leaf-level photosynthetic capacity in lowland Amazonian and high-elevation Andean tropical moist forests of Peru. <i>New Phytologist</i> , 2017, 214, 1002-1018.	3.5	89
33	Patterns of tree species composition at watershed-scale in the Amazon 'arc of deforestation': implications for conservation. <i>Environmental Conservation</i> , 2016, 43, 317-326.	0.7	14
34	Evolutionary heritage influences Amazon tree ecology. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2016, 283, 20161587.	1.2	43
35	Consistent, small effects of treefall disturbances on the composition and diversity of four Amazonian forests. <i>Journal of Ecology</i> , 2016, 104, 497-506.	1.9	15
36	Separating species and environmental determinants of leaf functional traits in temperate rainforest plants along a soil-development chronosequence. <i>Functional Plant Biology</i> , 2016, 43, 751.	1.1	17

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37	Soilâ€™Vegetation Interactions in Amazonia. <i>Ecological Studies</i> , 2016, , 267-299.	0.4	10
38	Amazon forest response to repeated droughts. <i>Global Biogeochemical Cycles</i> , 2016, 30, 964-982.	1.9	201
39	Edaphic, structural and physiological contrasts across Amazon Basin forestâ€™savanna ecotones suggest a role for potassium as a key modulator of tropical woody vegetation structure and function. <i>Biogeosciences</i> , 2015, 12, 6529-6571.	1.3	55
40	Structural, physiognomic and above-ground biomass variation in savannaâ€™forest transition zones on three continents â€™ how different are co-occurring savanna and forest formations?. <i>Biogeosciences</i> , 2015, 12, 2927-2951.	1.3	63
41	The influence of C&lt;sub&gt;3&gt; and C&lt;sub&gt;4&gt; vegetation on soil organic matter dynamics in contrasting semi-natural tropical ecosystems. <i>Biogeosciences</i> , 2015, 12, 5041-5059.	1.3	19
42	Global variability in leaf respiration in relation to climate, plant functional types and leaf traits. <i>New Phytologist</i> , 2015, 206, 614-636.	3.5	350
43	Foliar trait contrasts between African forest and savanna trees: genetic versus environmental effects. <i>Functional Plant Biology</i> , 2015, 42, 63.	1.1	23
44	Biome-specific effects of nitrogen and phosphorus on the photosynthetic characteristics of trees at a forest-savanna boundary in Cameroon. <i>Oecologia</i> , 2015, 178, 659-672.	0.9	25
45	Long-term decline of the Amazon carbon sink. <i>Nature</i> , 2015, 519, 344-348.	13.7	796
46	Contrasting photosynthetic characteristics of forest vs. savanna species (Far North Queensland,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 3	1.3	18
47	Insights into biogeochemical cycling from a soil evolution model and long-term chronosequences. <i>Biogeosciences</i> , 2014, 11, 6873-6894.	1.3	4
48	Size and frequency of natural forest disturbances and the Amazon forest carbon balance. <i>Nature Communications</i> , 2014, 5, 3434.	5.8	169
49	Markedly divergent estimates of Amazon forest carbon density from ground plots and satellites. <i>Global Ecology and Biogeography</i> , 2014, 23, 935-946.	2.7	248
50	Analysing Amazonian forest productivity using a new individual and trait-based model (TFS v.1). <i>Geoscientific Model Development</i> , 2014, 7, 1251-1269.	1.3	87
51	Disequilibrium and hyperdynamic tree turnover at the forestâ€™cerrado transition zone in southern Amazonia. <i>Plant Ecology and Diversity</i> , 2014, 7, 281-292.	1.0	97
52	Diversity, abundance and distribution of lianas of the Cerradoâ€™Amazonian forest transition, Brazil. <i>Plant Ecology and Diversity</i> , 2014, 7, 231-240.	1.0	9
53	Tropical forest wood production: a crossâ€™continental comparison. <i>Journal of Ecology</i> , 2014, 102, 1025-1037.	1.9	77
54	Drought sensitivity of Amazonian carbon balance revealed by atmospheric measurements. <i>Nature</i> , 2014, 506, 76-80.	13.7	398

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55	Basin-wide variations in Amazon forest nitrogen-cycling characteristics as inferred from plant and soil $^{15}\text{N}$ : $^{14}\text{N}$ measurements. <i>Plant Ecology and Diversity</i> , 2014, 7, 173-187.	1.0	43
56	Edaphic controls on ecosystem-level carbon allocation in two contrasting Amazon forests. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2014, 119, 1820-1830.	1.3	11
57	Photosynthesis-nitrogen relationships in tropical forest tree species as affected by soil phosphorus availability: a controlled environment study. <i>Functional Plant Biology</i> , 2014, 41, 820.	1.1	42
58	Light inhibition of leaf respiration as soil fertility declines along a post-glacial chronosequence in New Zealand: an analysis using the Kok method. <i>Plant and Soil</i> , 2013, 367, 163-182.	1.8	53
59	Residence times of woody biomass in tropical forests. <i>Plant Ecology and Diversity</i> , 2013, 6, 139-157.	1.0	104
60	Simulated resilience of tropical rainforests to CO <sub>2</sub> -induced climate change. <i>Nature Geoscience</i> , 2013, 6, 268-273.	5.4	358
61	On the delineation of tropical vegetation types with an emphasis on forest/savanna transitions. <i>Plant Ecology and Diversity</i> , 2013, 6, 101-137.	1.0	105
62	Humans, megafauna and environmental change in tropical Australia. <i>Journal of Quaternary Science</i> , 2013, 28, 439-452.	1.1	38
63	Above-ground biomass and structure of 260 African tropical forests. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2013, 368, 20120295.	1.8	264
64	Sensitivity of plants to changing atmospheric CO <sub>2</sub> concentration: from the geological past to the next century. <i>New Phytologist</i> , 2013, 197, 1077-1094.	3.5	336
65	Photosynthetically relevant foliar traits correlating better on a mass vs an area basis: of ecophysiological relevance or just a case of mathematical imperatives and statistical quicksand?. <i>New Phytologist</i> , 2013, 199, 311-321.	3.5	114
66	Intensification of the Amazon hydrological cycle over the last two decades. <i>Geophysical Research Letters</i> , 2013, 40, 1729-1733.	1.5	284
67	High sensitivity of future global warming to land carbon cycle processes. <i>Environmental Research Letters</i> , 2012, 7, 024002.	2.2	241
68	Quantifying the abundance and stable isotope composition of pyrogenic carbon using hydrogen pyrolysis. <i>Rapid Communications in Mass Spectrometry</i> , 2012, 26, 2690-2696.	0.7	39
69	Deriving Plant Functional Types for Amazonian forests for use in vegetation dynamics models. <i>Perspectives in Plant Ecology, Evolution and Systematics</i> , 2012, 14, 97-110.	1.1	42
70	Basin-wide variations in Amazon forest structure and function are mediated by both soils and climate. <i>Biogeosciences</i> , 2012, 9, 2203-2246.	1.3	487
71	Coordination of physiological and structural traits in Amazon forest trees. <i>Biogeosciences</i> , 2012, 9, 775-801.	1.3	45
72	The carbon balance of South America: a review of the status, decadal trends and main determinants. <i>Biogeosciences</i> , 2012, 9, 5407-5430.	1.3	78

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73	Tree height integrated into pantropical forest biomass estimates. <i>Biogeosciences</i> , 2012, 9, 3381-3403.	1.3	373
74	Variation in soil carbon stocks and their determinants across a precipitation gradient in West Africa. <i>Global Change Biology</i> , 2012, 18, 1670-1683.	4.2	114
75	Variation in soil carbon stocks and their determinants across a precipitation gradient in West Africa. <i>Global Change Biology</i> , 2012, 18, 2676-2676.	4.2	2
76	Investigating diversity dependence of tropical forest litter decomposition: experiments and observations from Central Africa. <i>Journal of Vegetation Science</i> , 2012, 23, 223-235.	1.1	21
77	What controls tropical forest architecture? Testing environmental, structural and floristic drivers. <i>Global Ecology and Biogeography</i> , 2012, 21, 1179-1190.	2.7	187
78	Height-diameter allometry of tropical forest trees. <i>Biogeosciences</i> , 2011, 8, 1081-1106.	1.3	396
79	Soil Does Not Explain Monodominance in a Central African Tropical Forest. <i>PLoS ONE</i> , 2011, 6, e16996.	1.1	47
80	TRY – a global database of plant traits. <i>Global Change Biology</i> , 2011, 17, 2905-2935.	4.2	2,002
81	Mechanisms of monodominance in diverse tropical tree-dominated systems. <i>Journal of Ecology</i> , 2011, 99, 891-898.	1.9	137
82	Variations in Amazon forest productivity correlated with foliar nutrients and modelled rates of photosynthetic carbon supply. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2011, 366, 3316-3329.	1.8	71
83	Soils of Amazonia with particular reference to the RAINFOR sites. <i>Biogeosciences</i> , 2011, 8, 1415-1440.	1.3	340
84	Impact of Manaus City on the Amazon Green Ocean atmosphere: ozone production, precursor sensitivity and aerosol load. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 9251-9282.	1.9	103
85	Drought – mortality relationships for tropical forests. <i>New Phytologist</i> , 2010, 187, 631-646.	3.5	487
86	Co-limitation of photosynthetic capacity by nitrogen and phosphorus in West Africa woodlands. <i>Plant, Cell and Environment</i> , 2010, 33, 959-980.	2.8	192
87	Variations in chemical and physical properties of Amazon forest soils in relation to their genesis. <i>Biogeosciences</i> , 2010, 7, 1515-1541.	1.3	365
88	Optimisation of photosynthetic carbon gain and within-canopy gradients of associated foliar traits for Amazon forest trees. <i>Biogeosciences</i> , 2010, 7, 1833-1859.	1.3	150
89	Does the disturbance hypothesis explain the biomass increase in basin-wide Amazon forest plot data?. <i>Global Change Biology</i> , 2009, 15, 2418-2430.	4.2	74
90	Biomass and leaf-level gas exchange characteristics of three African savanna C <sub>4</sub> grass species under optimum growth conditions. <i>African Journal of Ecology</i> , 2009, 47, 482-489.	0.4	1

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91	Increasing carbon storage in intact African tropical forests. <i>Nature</i> , 2009, 457, 1003-1006.	13.7	816
92	Are the dynamics of tropical forests dominated by large and rare disturbance events?. <i>Ecology Letters</i> , 2009, 12, E19-21; discussion E22-5.	3.0	37
93	Changing Ecology of Tropical Forests: Evidence and Drivers. <i>Annual Review of Ecology, Evolution, and Systematics</i> , 2009, 40, 529-549.	3.8	229
94	Drought Sensitivity of the Amazon Rainforest. <i>Science</i> , 2009, 323, 1344-1347.	6.0	1,443
95	The regional carbon budget. <i>Geophysical Monograph Series</i> , 2009, , 409-428.	0.1	10
96	Ecosystem carbon fluxes and Amazonian forest metabolism. <i>Geophysical Monograph Series</i> , 2009, , 389-407.	0.1	18
97	Climate-dependent variations in leaf respiration in a dryland, low productivity Mediterranean forest: the importance of acclimation in both high-light and shaded habitats. <i>Functional Ecology</i> , 2008, 22, 172-184.	1.7	24
98	Contributions of woody and herbaceous vegetation to tropical savanna ecosystem productivity: a quasi-global estimate. <i>Tree Physiology</i> , 2008, 28, 451-468.	1.4	132
99	Soil temperature and intermittent frost modulate the rate of recovery of photosynthesis in Scots pine under simulated spring conditions. <i>New Phytologist</i> , 2008, 177, 428-442.	3.5	63
100	Growth form and seasonal variation in leaf gas exchange of <i>Colophospermum mopane</i> savanna trees in northwest Botswana. <i>Tree Physiology</i> , 2008, 28, 417-424.	1.4	23
101	Seasonal variations in soil water in two woodland savannas of central Brazil with different fire histories. <i>Tree Physiology</i> , 2008, 28, 405-415.	1.4	43
102	Photosynthetic properties of C <sub>4</sub> plants growing in an African savanna/wetland mosaic. <i>Journal of Experimental Botany</i> , 2008, 59, 3941-3952.	2.4	28
103	Effects of rising temperatures and [CO <sub>2</sub> ] on the physiology of tropical forest trees. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2008, 363, 1811-1817.	1.8	416
104	Seasonal and inter-annual photosynthetic response of representative C <sub>4</sub> species to soil water content and leaf nitrogen concentration across a tropical seasonal floodplain. <i>Journal of Tropical Ecology</i> , 2008, 24, 201-213.	0.5	3
105	Weak Northern and Strong Tropical Land Carbon Uptake from Vertical Profiles of Atmospheric CO <sub>2</sub> . <i>Science</i> , 2007, 316, 1732-1735.	6.0	775
106	Variations in <sup>13</sup> C discrimination during CO <sub>2</sub> exchange by <i>Picea sitchensis</i> branches in the field. <i>Plant, Cell and Environment</i> , 2007, 30, 600-616.	2.8	130
107	Excitation energy partitioning and quenching during cold acclimation in Scots pine. <i>Tree Physiology</i> , 2006, 26, 325-336.	1.4	54
108	Diurnally variable <sup>18</sup> O signatures of soil CO <sub>2</sub> fluxes indicate carbonic anhydrase activity in a forest soil. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	34

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109	Non-steady state effects in diurnal $\delta^{18}O$ discrimination by <i>Picea sitchensis</i> branches in the field. <i>Plant, Cell and Environment</i> , 2006, 29, 928-939.	2.8	42
110	Modelling Amazonian forest eddy covariance data: a comparison of big leaf versus sun/shade models for the C-14 tower at Manaus I. Canopy photosynthesis. <i>Acta Amazonica</i> , 2006, 36, 69-82.	0.3	33
111	Regeneration patterns in boreal Scots pine glades linked to cold-induced photoinhibition. <i>Tree Physiology</i> , 2005, 25, 1139-1150.	1.4	36
112	Seasonal variation in energy fluxes and carbon dioxide exchange for a broad-leaved semi-arid savanna (Mopane woodland) in Southern Africa. <i>Global Change Biology</i> , 2004, 10, 318-328.	4.2	124
113	Variation in wood density determines spatial patterns in Amazonian forest biomass. <i>Global Change Biology</i> , 2004, 10, 545-562.	4.2	633
114	Intermittent low temperatures constrain spring recovery of photosynthesis in boreal Scots pine forests. <i>Global Change Biology</i> , 2004, 10, 995-1008.	4.2	197
115	High rates of net ecosystem carbon assimilation by <i>Brachiaria</i> pasture in the Brazilian Cerrado. <i>Global Change Biology</i> , 2004, 10, 877-885.	4.2	42
116	The above-ground coarse wood productivity of 104 Neotropical forest plots. <i>Global Change Biology</i> , 2004, 10, 563-591.	4.2	436
117	Using a One-and-a-Half Order Closure Model of the Atmospheric Boundary Layer for Surface Flux Footprint Estimation. <i>Boundary-Layer Meteorology</i> , 2004, 112, 467-502.	1.2	56
118	Pattern and process in Amazon tree turnover, 1976-2001. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2004, 359, 381-407.	1.8	370
119	Observations of $O_2:CO_2$ exchange ratios during ecosystem gas exchange. <i>Global Biogeochemical Cycles</i> , 2004, 18, n/a-n/a.	1.9	42
120	Concerted changes in tropical forest structure and dynamics: evidence from 50 South American long-term plots. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2004, 359, 421-436.	1.8	250
121	Microbial characteristics of soils on a latitudinal transect in Siberia. <i>Global Change Biology</i> , 2003, 9, 1106-1117.	4.2	58
122	Air temperature triggers the recovery of evergreen boreal forest photosynthesis in spring. <i>Global Change Biology</i> , 2003, 9, 1410-1426.	4.2	273
123	Response of central Siberian Scots pine to soil water deficit and long-term trends in atmospheric $CO_2$ concentration. <i>Global Biogeochemical Cycles</i> , 2002, 16, 5-15-13.	1.9	133
124	Interannual growth rate variations of atmospheric $CO_2$ and its $\delta^{13}C$ , $H_2$ , $CH_4$ , and $CO$ between 1992 and 1999 linked to biomass burning. <i>Global Biogeochemical Cycles</i> , 2002, 16, 21-1-21-22.	1.9	245
125	Seasonal and annual variations in the photosynthetic productivity and carbon balance of a central Siberian pine forest. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2002, 54, 590-610.	0.8	37
126	A simple three-dimensional canopy - planetary boundary layer simulation model for scalar concentrations and fluxes. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2002, 54, 784-819.	0.8	5



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127	Soil and canopy CO <sub>2</sub> , 13CO <sub>2</sub> , H <sub>2</sub> O and sensible heat flux partitions in a forest canopy inferred from concentration measurements. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2002, 54, 655-676.	0.8	4
128	A trace-gas climatology above Zotino, central Siberia. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2002, 54, 749-767.	0.8	28
129	Estimates of regional surface carbon dioxide exchange and carbon and oxygen isotope discrimination during photosynthesis from concentration profiles in the atmospheric boundary layer. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2002, 54, 768-783.	0.8	33
130	Inter-annual and seasonal variations of energy and water vapour fluxes above a <i>Pinus sylvestris</i> forest in the Siberian middle taiga. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2002, 54, 537-551.	0.8	32
131	Remote sensing of photosynthetic-light-use efficiency of a Siberian boreal forest. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2002, 54, 677-687.	0.8	80
132	Seasonal and spatial variability in soil CO <sub>2</sub> efflux rates for a central Siberian <i>Pinus sylvestris</i> forest. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2002, 54, 552-567.	0.8	48
133	Comparative ecosystem-atmosphere exchange of energy and mass in a European Russian and a central Siberian bog II. Interseasonal and interannual variability of CO <sub>2</sub> fluxes. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2002, 54, 514-530.	0.8	79
134	Comparative ecosystem-atmosphere exchange of energy and mass in a European Russian and a central Siberian bog I. Interseasonal and interannual variability of energy and latent heat fluxes during the snowfree period. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2002, 54, 497-513.	0.8	48
135	Soil and canopy CO <sub>2</sub> , 13CO <sub>2</sub> , H <sub>2</sub> O and sensible heat flux partitions in a forest canopy inferred from concentration measurements. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2002, 54, 655-676.	0.8	25
136	Carbon balance of a southern taiga spruce stand in European Russia. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2002, 54, 429-442.	0.8	54
137	Seasonal and annual variations in the photosynthetic productivity and carbon balance of a central Siberian pine forest. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2002, 54, 590-610.	0.8	75
138	Annual ecosystem respiration budget for a <i>Pinus sylvestris</i> stand in central Siberia. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2002, 54, 568-589.	0.8	35
139	A simple three-dimensional canopy - planetary boundary layer simulation model for scalar concentrations and fluxes. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2002, 54, 784-819.	0.8	85
140	Vertical profiles, boundary layer budgets, and regional flux estimates for CO <sub>2</sub> and its 13C/12C ratio and for water vapor above a forest/bog mosaic in central Siberia. <i>Global Biogeochemical Cycles</i> , 2001, 15, 267-284.	1.9	83
141	Evaporation in the Boreal Zone During Summer. <i>Physics and Vegetation</i> , 2001, , 151-165.		7
142	Do slow-growing species and nutrient-stressed plants consistently respond less to elevated CO <sub>2</sub> ? A	4.2	20
143	Modeling 13C discrimination in tree rings. <i>Global Biogeochemical Cycles</i> , 2000, 14, 213-223.	1.9	45
144	KEYNOTE PERSPECTIVE. Current perspectives on the terrestrial carbon cycle. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 1999, 51, 336-342.	0.8	30

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145	Productivity of forests in the Eurosiberian boreal region and their potential to act as a carbon sink – a synthesis. <i>Global Change Biology</i> , 1999, 5, 703-722.	4.2	338
146	C-quest in the Amazon Basin. <i>Nature</i> , 1998, 396, 619-620.	13.7	47
147	Fluxes of carbon dioxide and water vapour over a C4 pasture in southwestern Amazonia (Brazil). <i>Functional Plant Biology</i> , 1998, 25, 519.	1.1	46
148	The CO <sub>2</sub> Dependence of Photosynthesis, Plant Growth Responses to Elevated Atmospheric CO <sub>2</sub> Concentrations and Their Interaction with Soil Nutrient Status. I. General Principles and Forest Ecosystems. <i>Functional Ecology</i> , 1996, 10, 4.	1.7	308
149	The use of eddy covariance to infer the net carbon dioxide uptake of Brazilian rain forest. <i>Global Change Biology</i> , 1996, 2, 209-217.	4.2	196
150	Fluxes of carbon dioxide and water vapour over an undisturbed tropical forest in south-west Amazonia. <i>Global Change Biology</i> , 1995, 1, 1-12.	4.2	205
151	A simple calibrated model of Amazon rainforest productivity based on leaf biochemical properties. <i>Plant, Cell and Environment</i> , 1995, 18, 1129-1145.	2.8	278
152	Carbon Dioxide Uptake by an Undisturbed Tropical Rain Forest in Southwest Amazonia, 1992 to 1993. <i>Science</i> , 1995, 270, 778-780.	6.0	436
153	On the relationship between leaf anatomy and CO <sub>2</sub> diffusion through the mesophyll of hypostomatous leaves. <i>Plant, Cell and Environment</i> , 1995, 18, 149-157.	2.8	322
154	Specific reduction of chloroplast carbonic anhydrase activity by antisense RNA in transgenic tobacco plants has a minor effect on photosynthetic CO <sub>2</sub> assimilation. <i>Planta</i> , 1994, 193, 331-340.	1.6	197
155	<sup>13</sup> C discrimination during CO <sub>2</sub> assimilation by the terrestrial biosphere. <i>Oecologia</i> , 1994, 99, 201-215.	0.9	516
156	Terrestrial carbon storage at the LGM. <i>Nature</i> , 1994, 371, 566-566.	13.7	93
157	On the Temperature Dependence of Soil Respiration. <i>Functional Ecology</i> , 1994, 8, 315.	1.7	3,249
158	Vegetation effects on the isotope composition of oxygen in atmospheric CO <sub>2</sub> . <i>Nature</i> , 1993, 363, 439-443.	13.7	374
159	Carbon and Oxygen Isotope Effects in the Exchange of Carbon Dioxide between Terrestrial Plants and the Atmosphere. , 1993, , 47-70.		460
160	Low conductances for CO <sub>2</sub> diffusion from stomata to the sites of carboxylation in leaves of woody species. <i>Plant, Cell and Environment</i> , 1992, 15, 873-899.	2.8	281