

Carbon allocation in forest ecosystems

Global Change Biology

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Citation Report

#	ARTICLE	IF	CITATIONS
1	The human footprint in the carbon cycle of temperate and boreal forests. <i>Nature</i> , 2007, 447, 849-851.	13.7	868
2	Adjustment of Forest Ecosystem Root Respiration as Temperature Warms. <i>Journal of Integrative Plant Biology</i> , 2008, 50, 1467-1483.	4.1	44
3	Nitrogen saturation and net ecosystem production. <i>Nature</i> , 2008, 451, E1-E1.	13.7	71
4	Ecologically implausible carbon response?. <i>Nature</i> , 2008, 451, E1-E3.	13.7	141
5	Magnani et al. reply. <i>Nature</i> , 2008, 451, E3-E4.	13.7	20
6	Carbon accumulation in European forests. <i>Nature Geoscience</i> , 2008, 1, 425-429.	5.4	263
7	Mechanisms of plant survival and mortality during drought: why do some plants survive while others succumb to drought?. <i>New Phytologist</i> , 2008, 178, 719-739.	3.5	3,232
8	Optimal allocation of carbon and nitrogen in a forest stand at steady state. <i>New Phytologist</i> , 2008, 180, 114-123.	3.5	89
9	Below-ground carbon flux and partitioning: global patterns and response to temperature. <i>Functional Ecology</i> , 2008, 22, 941-954.	1.7	131
10	A non-native invasive grass increases soil carbon flux in a Hawaiian tropical dry forest. <i>Global Change Biology</i> , 2008, 14, 726-739.	4.2	40
11	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
12	Diagnostic assessment of European gross primary production. <i>Global Change Biology</i> , 2008, 14, 2349-2364.	4.2	86
13	Where do fossil fuel carbon dioxide emissions from California go? An analysis based on radiocarbon observations and an atmospheric transport model. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	56
14	Production and carbon allocation in a clonal Eucalyptus plantation with water and nutrient manipulations. <i>Forest Ecology and Management</i> , 2008, 255, 920-930.	1.4	129
15	Why is the productivity of Douglas-fir higher in New Zealand than in its native range in the Pacific Northwest, USA?. <i>Forest Ecology and Management</i> , 2008, 255, 4040-4046.	1.4	36
16	Why don't our stands grow even faster? Control of production and carbon cycling in eucalypt plantations. <i>Southern Forests</i> , 2008, 70, 99-104.	0.2	13
17	Nitrogen limitation in a sweetgum plantation: implications for carbon allocation and storage. <i>Canadian Journal of Forest Research</i> , 2008, 38, 1021-1032.	0.8	37
18	Chronic nitrogen addition causes a reduction in soil carbon dioxide efflux during the high stem-growth period in a tropical montane forest but no response from a tropical lowland forest on a decadal time scale. <i>Biogeosciences</i> , 2009, 6, 2973-2983.	1.3	29

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20	Estimates of fire emissions from an active deforestation region in the southern Amazon based on satellite data and biogeochemical modelling. <i>Biogeosciences</i> , 2009, 6, 235-249.	1.3	76
21	Elevated CO ₂ effects on plant carbon, nitrogen, and water relations: six important lessons from FACE. <i>Journal of Experimental Botany</i> , 2009, 60, 2859-2876.	2.4	1,343
22	The influence of N and P supply and genotype on carbon flux and partitioning in potted <i>Pinus radiata</i> plants. <i>Tree Physiology</i> , 2009, 29, 857-868.	1.4	16
23	Synchronicity between Satellite-Measured Leaf Phenology and Rainfall Regimes in Tropical Forests. <i>Photogrammetric Engineering and Remote Sensing</i> , 2009, 75, 1231-1237.	0.3	8
24	Challenges to Reproduce Vegetation Structure and Dynamics in Amazonia Using a Coupled Climate-Biosphere Model. <i>Earth Interactions</i> , 2009, 13, 1-28.	0.7	12
25	Wood CO ₂ efflux and foliar respiration for <i>Eucalyptus</i> in Hawaii and Brazil. <i>Tree Physiology</i> , 2009, 29, 1213-1222.	1.4	33
26	<i>Pinus taeda</i> clones and soil nutrient availability: effects of soil organic matter incorporation and fertilization on biomass partitioning and leaf physiology. <i>Tree Physiology</i> , 2009, 29, 1117-1131.	1.4	25
27	A Satellite Approach to Estimate Land-Air CO ₂ Exchange for Boreal and Arctic Biomes Using MODIS and AMSR-E. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2009, 47, 569-587.	2.7	58
28	Multiple sources of predictive uncertainty in modeled estimates of net ecosystem CO ₂ exchange. <i>Ecological Modelling</i> , 2009, 220, 3259-3270.	1.2	49
29	The Influence of Chemistry, Production and Community Composition on Leaf Litter Decomposition Under Elevated Atmospheric CO ₂ and Tropospheric O ₃ in a Northern Hardwood Ecosystem. <i>Ecosystems</i> , 2009, 12, 401-416.	1.6	35
30	Estimating Root Production: Comparison of 11 Methods in Shortgrass Steppe and Review of Biases. <i>Ecosystems</i> , 2009, 12, 1381-1402.	1.6	89
31	Comprehensive assessment of carbon productivity, allocation and storage in three Amazonian forests. <i>Global Change Biology</i> , 2009, 15, 1255-1274.	4.2	280
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34	Plant traits and wood fates across the globe: rotted, burned, or consumed?. <i>Global Change Biology</i> , 2009, 15, 2431-2449.	4.2	318
35	The changing global carbon cycle: linking plant-soil carbon dynamics to global consequences. <i>Journal of Ecology</i> , 2009, 97, 840-850.	1.9	262
36	Effects of Vegetation Thinning on Above- and Belowground Carbon in a Seasonally Dry Tropical Forest in Mexico. <i>Biotropica</i> , 2009, 41, 302-311.	0.8	25

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38	Root-derived CO ₂ efflux via xylem stream rivals soil CO ₂ efflux. <i>New Phytologist</i> , 2009, 184, 35-40.	3.5	147
39	Three birds with one stone: moas, heteroblasty and the New Zealand flora. <i>New Phytologist</i> , 2009, 184, 282-284.	3.5	5
41	Phenotypic variability: underlying mechanisms and limits do matter. <i>New Phytologist</i> , 2009, 184, 277-279.	3.5	15
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46	The fundamental role of reserves and hydraulic constraints in predicting LAI and carbon allocation in forests. <i>Agricultural and Forest Meteorology</i> , 2009, 149, 349-361.	1.9	34
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51	Is the growth of temperate forest trees enhanced along an ambient nitrogen deposition gradient?. <i>Ecology</i> , 2009, 90, 1736-1742.	1.5	41
52	Water limitation to soil CO ₂ efflux in a pine forest at the semiarid "timberline". <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	42
53	The production, storage, and flow of carbon in Amazonian forests. <i>Geophysical Monograph Series</i> , 2009, , 355-372.	0.1	19
54	Sources and sinks of trace gases in Amazonia and the Cerrado. <i>Geophysical Monograph Series</i> , 2009, , 337-354.	0.1	9
55	Soil respiration at mean annual temperature predicts annual total across vegetation types and biomes. <i>Biogeosciences</i> , 2010, 7, 2147-2157.	1.3	99

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57	Biometric-based estimation of net ecosystem production in a mature Japanese cedar (<i>Cryptomeria</i>) Tj ETQq1 1 0.784314 rgBJ /Overlo	1.2	30
58	Influence of stand density on soil CO ₂ efflux for a <i>Pinus densiflora</i> forest in Korea. <i>Journal of Plant Research</i> , 2010, 123, 411-419.	1.2	46
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62	Carbon density and distribution of six Chinese temperate forests. <i>Science China Life Sciences</i> , 2010, 53, 831-840.	2.3	34
63	Patterns of above- and belowground biomass allocation in China's grasslands: Evidence from individual-level observations. <i>Science China Life Sciences</i> , 2010, 53, 851-857.	2.3	66
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82	Carbon and water fluxes from ponderosa pine forests disturbed by wildfire and thinning. <i>Ecological Applications</i> , 2010, 20, 663-683.	1.8	154
83	Forest annual carbon cost: a global-scale analysis of autotrophic respiration. <i>Ecology</i> , 2010, 91, 652-661.	1.5	171
84	Impacts of individual tree species on carbon dynamics in a moist tropical forest environment. <i>Ecological Applications</i> , 2010, 20, 1087-1100.	1.8	43
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119	Carbon partitioning in a wet and a semiwet subarctic mire ecosystem based on in situ ¹⁴ C pulse-labelling. <i>Soil Biology and Biochemistry</i> , 2011, 43, 231-239.	4.2	8
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121	Relationships between carbon allocation and partitioning of soil respiration across world mature forests. <i>Plant Ecology</i> , 2011, 212, 195-206.	0.7	33
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129	Effects of soil moisture manipulations on fine root dynamics in a mature balsam fir (<i>Abies balsamea</i> L.) <i>Tj ETQq0 0 Q rgBT /Overlock 10 T</i>	1.4	35
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132	Do changes in carbon allocation account for the growth response to potassium and sodium applications in tropical <i>Eucalyptus</i> plantations?. <i>Tree Physiology</i> , 2012, 32, 667-679.	1.4	57
133	Pitfalls and Possibilities in the Analysis of Biomass Allocation Patterns in Plants. <i>Frontiers in Plant Science</i> , 2012, 3, 259.	1.7	113
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136	From systems biology to photosynthesis and whole-plant physiology. <i>Plant Signaling and Behavior</i> , 2012, 7, 260-262.	1.2	13
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147	Modeling forest stand dynamics from optimal balances of carbon and nitrogen. <i>New Phytologist</i> , 2012, 194, 961-971.	3.5	39
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150	Short-term carbon allocation and root lignin of Cry3Bb Bt and NonBt corn in the presence of corn rootworm. <i>Applied Soil Ecology</i> , 2012, 57, 16-22.	2.1	7
151	The potential of the satellite derived green chlorophyll index for estimating midday light use efficiency in maize, coniferous forest and grassland. <i>Ecological Indicators</i> , 2012, 14, 66-73.	2.6	36
152	Effect of thinning, pruning and nitrogen fertiliser application on transpiration, photosynthesis and water-use efficiency in a young <i>Eucalyptus nitens</i> plantation. <i>Forest Ecology and Management</i> , 2012, 266, 286-300.	1.4	107
153	Interactive effects of simultaneously applied thinning, pruning and fertiliser application treatments on growth, biomass production and crown architecture in a young <i>Eucalyptus nitens</i> plantation. <i>Forest Ecology and Management</i> , 2012, 267, 104-116.	1.4	57
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155	Total belowground carbon and nitrogen partitioning of mature black spruce displaying genetic \times soil moisture interaction in growth. <i>Canadian Journal of Forest Research</i> , 2012, 42, 1939-1952.	0.8	13
156	Relationships between net primary productivity and forest stand age in U.S. forests. <i>Global Biogeochemical Cycles</i> , 2012, 26, .	1.9	121
157	A mechanistic ecohydrological model to investigate complex interactions in cold and warm water-controlled environments: 2. Spatiotemporal analyses. <i>Journal of Advances in Modeling Earth Systems</i> , 2012, 4, .	1.3	35
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314	Sapwood allocation in tropical trees: a test of hypotheses. <i>Functional Plant Biology</i> , 2015, 42, 697.	1.1	13
315	Does elevated CO ₂ alter silica uptake in trees?. <i>Frontiers in Plant Science</i> , 2014, 5, 793.	1.7	20
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317	Long-term changes in belowground and aboveground resource allocation of boreal forest stands. <i>Forest Ecology and Management</i> , 2015, 350, 62-69.	1.4	12
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323	Are above- and belowground phenology in sync?. <i>New Phytologist</i> , 2015, 205, 1054-1061.	3.5	162
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332	Stem CO_2 efflux in six co-occurring tree species: underlying factors and ecological implications. <i>Plant, Cell and Environment</i> , 2015, 38, 1104-1115.	2.8	30
333	Fluxes of energy, water, and carbon dioxide from mountain ecosystems at Niwot Ridge, Colorado. <i>Plant Ecology and Diversity</i> , 2015, 8, 663-676.	1.0	47
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335	Canopy closure altered biomass allocation in young spruce stand. <i>Journal of Forest Science</i> , 2015, 61, 62-71.	0.5	6
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374	Response of forest soil respiration to nutrient addition depends on site fertility. <i>Biogeochemistry</i> , 2016, 127, 113-124.	1.7	15
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462	Improving predictions of tropical forest response to climate change through integration of field studies and ecosystem modeling. <i>Global Change Biology</i> , 2018, 24, e213-e232.	4.2	48
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