

The human footprint in the carbon cycle of temperate a

Nature

447, 849-851

DOI: [10.1038/nature05847](https://doi.org/10.1038/nature05847)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Elements for the expected mechanisms on â€“reduced emissions from deforestation and degradation, REDDâ€™™ under UNFCCC. Environmental Research Letters, 2007, 2, 045024.	2.2	39
2	Does heavier rain mean a bigger sink?. Nature Climate Change, 2007, 1, 54-56.	8.1	0
3	Missing carbon mystery: Case solved?. Nature Climate Change, 2007, 1, 36-37.	8.1	11
4	Uncertainties of modeling gross primary productivity over Europe: A systematic study on the effects of using different drivers and terrestrial biosphere models. Global Biogeochemical Cycles, 2007, 21, .	1.9	163
5	Nitrogen impacts on forest carbon. Nature, 2007, 447, 781-782.	13.7	113
6	Abiotic immobilization of nitrate in two soils of relic Abies pinsapo-fir forests under Mediterranean climate. Biogeochemistry, 2008, 91, 1-11.	1.7	18
7	Does elevated nitrogen deposition or ecosystem recovery from acidification drive increased dissolved organic carbon loss from upland soil? A review of evidence from field nitrogen addition experiments. Biogeochemistry, 2008, 91, 13-35.	1.7	126
8	Nitrogen biogeochemistry of a mature Scots pine forest subjected to high nitrogen loads. Biogeochemistry, 2008, 91, 201-222.	1.7	24
9	Large-scale biomass for energy, with considerations and cautions: an editorial comment. Climatic Change, 2008, 87, 335-342.	1.7	30
10	Accounting of forest carbon sinks and sources under a future climate protocolâ€™ factoring out past disturbance and management effects on ageâ€™ class structure. Environmental Science and Policy, 2008, 11, 669-686.	2.4	56
11	Microbial contributions to climate change through carbon cycle feedbacks. ISME Journal, 2008, 2, 805-814.	4.4	888
12	Nitrogen saturation and net ecosystem production. Nature, 2008, 451, E1-E1.	13.7	71
13	Ecologically implausible carbon response?. Nature, 2008, 451, E1-E3.	13.7	141
14	Magnani et al. reply. Nature, 2008, 451, E3-E4.	13.7	20
15	Old-growth forests as global carbon sinks. Nature, 2008, 455, 213-215.	13.7	1,399
16	Global nitrogen deposition and carbon sinks. Nature Geoscience, 2008, 1, 430-437.	5.4	629
17	Carbon accumulation in European forests. Nature Geoscience, 2008, 1, 425-429.	5.4	263
18	How a century of ammonia synthesis changed the world. Nature Geoscience, 2008, 1, 636-639.	5.4	2,909

#	ARTICLE	IF	CITATIONS
19	Fertilizing change. <i>Nature Geoscience</i> , 2008, 1, 645-646.	5.4	24
20	Ectomycorrhizal fungal communities in two North American oak forests respond to nitrogen addition. <i>New Phytologist</i> , 2008, 179, 472-483.	3.5	85
21	The effects of chronic nitrogen fertilization on alpine tundra soil microbial communities: implications for carbon and nitrogen cycling. <i>Environmental Microbiology</i> , 2008, 10, 3093-3105.	1.8	252
22	Simulated chronic nitrogen deposition increases carbon storage in Northern Temperate forests. <i>Global Change Biology</i> , 2008, 14, 142-153.	4.2	381
23	Impacts of elevated nitrogen inputs on oak reproductive and seed ecology. <i>Global Change Biology</i> , 2008, 14, 285-293.	4.2	36
24	Uncertainties in the relationship between atmospheric nitrogen deposition and forest carbon sequestration. <i>Global Change Biology</i> , 2008, 14, 2057-2063.	4.2	166
25	Impact of changing wood demand, climate and land use on European forest resources and carbon stocks during the 21st century. <i>Global Change Biology</i> , 2008, 14, 2288-2303.	4.2	79
26	Twentieth century increase of Scots pine radial growth in NE Spain shows strong climate interactions. <i>Global Change Biology</i> , 2008, 14, 2868-2881.	4.2	169
27	Sensitivity and uncertainty analysis from a coupled 3-PG and soil organic matter decomposition model. <i>Ecological Modelling</i> , 2008, 219, 1-16.	1.2	78
28	Greenhouse gas fluxes from natural ecosystems. <i>Australian Journal of Botany</i> , 2008, 56, 369.	0.3	271
29	Impacts of Atmospheric Anthropogenic Nitrogen on the Open Ocean. <i>Science</i> , 2008, 320, 893-897.	6.0	964
30	A modified nitrogen budget for temperate deciduous forests in an advanced stage of nitrogen saturation. <i>Global Biogeochemical Cycles</i> , 2008, 22, .	1.9	6
31	'Breathing' of the terrestrial biosphere: lessons learned from a global network of carbon dioxide flux measurement systems. <i>Australian Journal of Botany</i> , 2008, 56, 1.	0.3	966
32	Spatial distribution of carbon balance in forest ecosystems across East Asia. <i>Agricultural and Forest Meteorology</i> , 2008, 148, 761-775.	1.9	141
33	Nitrogen deposition increases the acquisition of phosphorus and potassium by heather <i>Calluna vulgaris</i> . <i>Environmental Pollution</i> , 2008, 155, 201-207.	3.7	47
34	Nitrogen dynamics of a mountain forest on dolomitic limestone – A scenario-based risk assessment. <i>Environmental Pollution</i> , 2008, 155, 512-516.	3.7	7
35	Ammonia in the environment: From ancient times to the present. <i>Environmental Pollution</i> , 2008, 156, 583-604.	3.7	289
36	Map-based inventory of wetland biomass and net primary production in western Siberia. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	59

#	ARTICLE	IF	CITATIONS
37	Forests and Climate Change: Forcings, Feedbacks, and the Climate Benefits of Forests. <i>Science</i> , 2008, 320, 1444-1449.	6.0	4,344
38	Controls on Annual Forest Carbon Storage: Lessons from the Past and Predictions for the Future. <i>BioScience</i> , 2008, 58, 609-622.	2.2	140
39	Integrating modelling and remote sensing to identify ecosystem performance anomalies in the boreal forest, Yukon River Basin, Alaska. <i>International Journal of Digital Earth</i> , 2008, 1, 196-220.	1.6	49
40	Canopy nitrogen, carbon assimilation, and albedo in temperate and boreal forests: Functional relations and potential climate feedbacks. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 19336-19341.	3.3	326
41	Assessing Evidence for a Pervasive Alteration in Tropical Tree Communities. <i>PLoS Biology</i> , 2008, 6, e45.	2.6	187
42	Consequences of Considering Carbon-Nitrogen Interactions on the Feedbacks between Climate and the Terrestrial Carbon Cycle. <i>Journal of Climate</i> , 2008, 21, 3776-3796.	1.2	308
43	Role of Microbial Diversity for Soil, Health and Plant Nutrition. <i>Soil Biology</i> , 2008, , 53-74.	0.6	9
44	Critical loads as a policy tool for protecting ecosystems from the effects of air pollutants. <i>Frontiers in Ecology and the Environment</i> , 2008, 6, 156-159.	1.9	67
45	NITROGEN EFFECTS ON DECOMPOSITION: A FIVE-YEAR EXPERIMENT IN EIGHT TEMPERATE SITES. <i>Ecology</i> , 2008, 89, 2633-2644.	1.5	223
46	Risk of natural disturbances makes future contribution of Canada's forests to the global carbon cycle highly uncertain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 1551-1555.	3.3	431
47	N ₂ O release from agro-biofuel production negates global warming reduction by replacing fossil fuels. <i>Atmospheric Chemistry and Physics</i> , 2008, 8, 389-395.	1.9	804
48	Title is missing!. <i>Kagaku To Seibutsu</i> , 2008, 46, 377-379.	0.0	0
49	Effects of Ozone on the Growth and Photosynthesis of <i>Castanopsis sieboldii</i> Seedlings Grown under Different Nitrogen Loads. <i>J Agricultural Meteorology</i> , 2008, 64, 143-155.	0.8	20
50	Indicators of Carbon Storage in U.S. Ecosystems: Baseline for Terrestrial Carbon Accounting. <i>Journal of Environmental Quality</i> , 2008, 37, 1376-1382.	1.0	11
51	The response of the terrestrial biosphere to urbanization: land cover conversion, climate, and urban pollution. <i>Biogeosciences</i> , 2008, 5, 1505-1515.	1.3	48
52	Competing roles of rising CO ₂ and climate change in the contemporary European carbon balance. <i>Biogeosciences</i> , 2008, 5, 1-10.	1.3	30
53	Controls on the Spatial Patterns of Carbon and Nitrogen in Adirondack Forest Soils along a Gradient of Nitrogen Deposition. <i>Soil Science Society of America Journal</i> , 2009, 73, 2105-2117.	1.2	22
54	Dynamics of ammonia exchange with cut grassland: synthesis of results and conclusions of the GRAMINAE Integrated Experiment. <i>Biogeosciences</i> , 2009, 6, 2907-2934.	1.3	55

#	ARTICLE	IF	CITATIONS
55	A young afforestation area in Iceland was a moderate sink to CO ₂ ; only a decade after scarification and establishment. <i>Biogeosciences</i> , 2009, 6, 2895-2906.	1.3	13
56	On the fate of anthropogenic nitrogen. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 203-208.	3.3	790
57	Carbon credits and the conservation of natural areas. <i>Environmental Reviews</i> , 2009, 17, 1-19.	2.1	26
58	Carbon stock and stock changes across a Sitka spruce chronosequence on surface-water gley soils. <i>Forestry</i> , 2009, 82, 255-272.	1.2	39
59	The Effect of Terrestrial Photosynthesis Down Regulation on the Twentieth-Century Carbon Budget Simulated with the CCCma Earth System Model. <i>Journal of Climate</i> , 2009, 22, 6066-6088.	1.2	135
60	Contributions of climate, leaf area index and leaf physiology to variation in gross primary production of six coniferous forests across Europe: a model-based analysis. <i>Tree Physiology</i> , 2009, 29, 621-639.	1.4	41
61	Biosphere-Atmosphere Exchange of Old-Growth Forests: Processes and Pattern. <i>Ecological Studies</i> , 2009, , 141-158.	0.4	9
62	A hierarchical analysis of terrestrial ecosystem model Biome-BGC: Equilibrium analysis and model calibration. <i>Ecological Modelling</i> , 2009, 220, 2009-2023.	1.2	43
63	Impact of different nitrogen emission sources on tree physiology as assessed by a triple stable isotope approach. <i>Atmospheric Environment</i> , 2009, 43, 410-418.	1.9	43
64	Model averaging to combine simulations of future global vegetation carbon stocks. <i>Environmetrics</i> , 2009, 20, 791-811.	0.6	6
65	Quantifying disturbance effects on vegetation carbon pools in mountain forests based on historical data. <i>Regional Environmental Change</i> , 2009, 9, 121-130.	1.4	24
66	A Cross-Site Comparison of Factors Influencing Soil Nitrification Rates in Northeastern USA Forested Watersheds. <i>Ecosystems</i> , 2009, 12, 158-178.	1.6	37
67	Ecological ramifications of the direct foliar uptake of nitrogen. <i>Oecologia</i> , 2009, 159, 1-13.	0.9	173
68	Distribution of nitrogen-15 tracers applied to the canopy of a mature spruce-hemlock stand, Howland, Maine, USA. <i>Oecologia</i> , 2009, 160, 589-599.	0.9	80
69	Decades of atmospheric deposition have not resulted in widespread phosphorus limitation or saturation of tree demand for nitrogen in southern New England. <i>Biogeochemistry</i> , 2009, 92, 217-229.	1.7	72
70	A review of forestry mitigation and adaptation strategies in the Northeast U.S.. <i>Climatic Change</i> , 2009, 96, 167-183.	1.7	42
71	Ammonia Emission from a Young Larch Ecosystem Afforested after Clear-Cutting of a Pristine Forest in Northernmost Japan. <i>Water, Air, and Soil Pollution</i> , 2009, 200, 33-46.	1.1	7
72	Ecological risks in anthropogenic disturbance of nitrogen cycles in natural terrestrial ecosystems. <i>Ecological Research</i> , 2009, 24, 955-964.	0.7	25

#	ARTICLE	IF	CITATIONS
73	Trends and challenges in soil research 2009: linking global climate change to local long-term forest productivity. <i>Journal of Soils and Sediments</i> , 2009, 9, 83-88.	1.5	86
74	Change in CO ₂ balance under a series of forestry activities in a cool-temperate mixed forest with dense undergrowth. <i>Global Change Biology</i> , 2009, 15, 1275-1288.	4.2	58
75	Latitudinal patterns of magnitude and interannual variability in net ecosystem exchange regulated by biological and environmental variables. <i>Global Change Biology</i> , 2009, 15, 2905-2920.	4.2	94
76	Nitrogen deposition induced changes in DOC:fNO ₃ ratios determine the efficiency of nitrate removal from freshwaters. <i>Global Change Biology</i> , 2010, 16, 2358-2365.	4.2	20
77	Post-Little Ice Age tree line rise and climate warming in the Swedish Scandes: a landscape ecological perspective. <i>Journal of Ecology</i> , 2009, 97, 415-429.	1.9	193
78	Integrating plant-soil interactions into global carbon cycle models. <i>Journal of Ecology</i> , 2009, 97, 851-863.	1.9	233
79	Nitrogen's carbon bonus. <i>Nature Geoscience</i> , 2009, 2, 318-319.	5.4	72
80	Importance of methane and nitrous oxide for Europe's terrestrial greenhouse-gas balance. <i>Nature Geoscience</i> , 2009, 2, 842-850.	5.4	310
81	Leakage and spillover effects of forest management on carbon storage: theoretical insights from a simple model. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2009, 61, 385-393.	0.8	16
82	<i>Juniperus communis</i> : victim of the combined action of climate warming and nitrogen deposition?. <i>Plant Biology</i> , 2009, 11, 49-59.	1.8	45
83	Changes in a tropical forest support metabolic zero-sum dynamics. <i>Ecology Letters</i> , 2009, 12, 507-515.	3.0	27
84	A review of nitrogen enrichment effects on three biogenic GHGs: the CO ₂ sink may be largely offset by stimulated N ₂ O and CH ₄ emission. <i>Ecology Letters</i> , 2009, 12, 1103-1117.	3.0	532
85	Using cover measurements to estimate aboveground understorey biomass in Maritime pine stands. <i>Annals of Forest Science</i> , 2009, 66, 307-307.	0.8	26
86	The rise and fall of the black locust (<i>Robinia pseudoacacia</i> L.) in the "Siro Negri" Forest Reserve (Lombardy, Italy): lessons learned and future uncertainties. <i>Annals of Forest Science</i> , 2009, 66, 410-410.	0.8	65
87	European scale application of atmospheric reactive nitrogen measurements in a low-cost approach to infer dry deposition fluxes. <i>Agriculture, Ecosystems and Environment</i> , 2009, 133, 183-195.	2.5	81
88	Visible injury, crown condition, and growth responses of selected Italian forests in relation to ozone exposure. <i>Environmental Pollution</i> , 2009, 157, 1427-1437.	3.7	41
89	The impact of atmospheric deposition and climate on forest growth in European monitoring plots: An individual tree growth model. <i>Forest Ecology and Management</i> , 2009, 258, 1751-1761.	1.4	111
90	Analyses of the impact of changes in atmospheric deposition and climate on forest growth in European monitoring plots: A stand growth approach. <i>Forest Ecology and Management</i> , 2009, 258, 1735-1750.	1.4	191

#	ARTICLE	IF	CITATIONS
91	The impact of nitrogen deposition on carbon sequestration by European forests and heathlands. <i>Forest Ecology and Management</i> , 2009, 258, 1814-1823.	1.4	309
92	Modelling long-term impacts of environmental change on mid- and high-latitude European forests and options for adaptive forest management. <i>Forest Ecology and Management</i> , 2009, 258, 1806-1813.	1.4	37
93	Separating effects of changes in atmospheric composition, climate and land-use on carbon sequestration of U.S. Mid-Atlantic temperate forests. <i>Forest Ecology and Management</i> , 2009, 259, 151-164.	1.4	74
94	Mycorrhizas and biomass crops: opportunities for future sustainable development. <i>Trends in Plant Science</i> , 2009, 14, 542-549.	4.3	65
95	UK land use and soil carbon sequestration. <i>Land Use Policy</i> , 2009, 26, S274-S283.	2.5	187
96	Eight years of carbon dioxide exchange above a mixed forest at Borden, Ontario. <i>Agricultural and Forest Meteorology</i> , 2009, 149, 2040-2053.	1.9	43
97	Synergy of rising nitrogen depositions and atmospheric CO ₂ on land carbon uptake moderately offsets global warming. <i>Global Biogeochemical Cycles</i> , 2009, 23, .	1.9	53
98	Spatiotemporal patterns of terrestrial carbon cycle during the 20th century. <i>Global Biogeochemical Cycles</i> , 2009, 23, .	1.9	180
99	Toward a consistency cross-check of eddy covariance flux-based and biometric estimates of ecosystem carbon balance. <i>Global Biogeochemical Cycles</i> , 2009, 23, .	1.9	61
100	Footprint of temperature changes in the temperate and boreal forest carbon balance. <i>Geophysical Research Letters</i> , 2009, 36, .	1.5	38
101	Interannual CO ₂ exchange of a sparse Mediterranean shrubland on a carbonaceous substrate. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	45
102	The Impact of Climate Change on Ecosystem Carbon Dynamics at the Scandinavian Mountain Birch Forest-Tundra Heath Ecotone. <i>Ambio</i> , 2009, 38, 2-10.	2.8	50
103	Optimal Function Explains Forest Responses to Global Change. <i>BioScience</i> , 2009, 59, 127-139.	2.2	92
104	Is the growth of temperate forest trees enhanced along an ambient nitrogen deposition gradient?. <i>Ecology</i> , 2009, 90, 1736-1742.	1.5	41
105	Consequences of climate change for biogeochemical cycling in forests of northeastern North America This article is one of a selection of papers from NE Forests 2100: A Synthesis of Climate Change Impacts on Forests of the Northeastern US and Eastern Canada.. <i>Canadian Journal of Forest Research</i> , 2009, 39, 264-284.	0.8	148
106	Application of the 3-PGS model to assess carbon accumulation in forest ecosystems at a regional level. <i>Canadian Journal of Forest Research</i> , 2009, 39, 1647-1661.	0.8	28
107	Importance of carbon-nitrogen interactions and ozone on ecosystem hydrology during the 21st century. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	34
108	Forest disturbance and recovery: A general review in the context of spaceborne remote sensing of impacts on aboveground biomass and canopy structure. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	281

#	ARTICLE	IF	CITATIONS
109	An environmental perspective of nitrogen cycle. International Journal of Global Environmental Issues, 2009, 9, 199.	0.1	1
110	Eddy covariance fluxes of acyl peroxy nitrates (PAN, PPN and MPAN) above a Ponderosa pine forest. Atmospheric Chemistry and Physics, 2009, 9, 615-634.	1.9	92
111	Closing the peroxy acetyl nitrate budget: observations of acyl peroxy nitrates (PAN, PPN, and MPAN) during BEARPEX 2007. Atmospheric Chemistry and Physics, 2009, 9, 7623-7641.	1.9	105
112	How much carbon is sequestered in forest soils? Is it enhanced by nitrogen deposition and for how long?. IOP Conference Series: Earth and Environmental Science, 2009, 6, 082013.	0.2	1
113	A review of natural aerosol interactions and feedbacks within the Earth system. Atmospheric Chemistry and Physics, 2010, 10, 1701-1737.	1.9	542
114	Quantifying Terrestrial Ecosystem Carbon Dynamics in the Jinsha Watershed, Upper Yangtze, China from 1975 to 2000. Environmental Management, 2010, 45, 466-475.	1.2	17
115	Increasing carbon sinks through forest management: a model-based comparison for Switzerland with its Eastern Plateau and Eastern Alps. European Journal of Forest Research, 2010, 129, 563-572.	1.1	23
116	A Carbon Cycle Science Update Since IPCC AR-4. Ambio, 2010, 39, 402-412.	2.8	29
117	Changes in nitrogen resorption of trembling aspen (<i>Populus tremuloides</i>) with stand development. Plant and Soil, 2010, 327, 121-129.	1.8	36
118	Foliar and soil ¹⁵ N natural abundances provide field evidence on nitrogen dynamics in temperate and boreal forest ecosystems. Plant and Soil, 2010, 337, 285-297.	1.8	39
119	Nitrogen and biofuels; an overview of the current state of knowledge. Nutrient Cycling in Agroecosystems, 2010, 86, 211-223.	1.1	105
120	Microbial performance under increasing nitrogen availability in a Mediterranean forest soil. Soil Biology and Biochemistry, 2010, 42, 1596-1606.	4.2	24
121	Advances of air pollution science: From forest decline to multiple-stress effects on forest ecosystem services. Environmental Pollution, 2010, 158, 1986-1989.	3.7	116
122	Anthropogenic NO _x emissions alter the intrinsic water-use efficiency (WUE _i) for <i>Quercus cerris</i> stands under Mediterranean climate conditions. Environmental Pollution, 2010, 158, 2841-2847.	3.7	24
124	Terrestrial ecosystem management for climate change mitigation. Current Opinion in Environmental Sustainability, 2010, 2, 271-276.	3.1	44
125	Integrative management to mitigate diffuse pollution in multi-functional landscapes. Current Opinion in Environmental Sustainability, 2010, 2, 375-382.	3.1	13
126	The significance of phloem transport for the speed with which canopy photosynthesis and belowground respiration are linked. New Phytologist, 2010, 185, 189-203.	3.5	181
127	Effects of nitrogen enrichment on phosphatase activity and nitrogenâ€¦phosphorus relationships in <i>Cladonia portentosa</i> . New Phytologist, 2010, 186, 911-925.	3.5	66

#	ARTICLE	IF	CITATIONS
128	The photosynthetic response of a high-altitude spruce forest to nitrogen amendments with implications for gross primary productivity. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 62, 59.	0.8	3
129	Evaluation of a terrestrial carbon cycle submodel in an Earth system model using networks of eddy covariance observations. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 62, 729.	0.8	7
130	Historical and future perspectives of global soil carbon response to climate and land-use changes. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 62, 700.	0.8	103
131	Climate change, nutrient pollution and the bargain of Dr Faustus. <i>Freshwater Biology</i> , 2010, 55, 175-187.	1.2	89
132	Nitrogen effects on net ecosystem carbon exchange in a temperate steppe. <i>Global Change Biology</i> , 2010, 16, 144-155.	4.2	183
133	Assimilation exceeds respiration sensitivity to drought: A FLUXNET synthesis. <i>Global Change Biology</i> , 2010, 16, 657-670.	4.2	238
134	The European carbon balance. Part 3: forests. <i>Global Change Biology</i> , 2010, 16, 1429-1450.	4.2	247
135	The effect of nitrogen deposition on forest carbon sequestration: a model-based analysis. <i>Global Change Biology</i> , 2010, 16, 1470-1486.	4.2	47
136	The European carbon balance. Part 4: integration of carbon and other trace-gas fluxes. <i>Global Change Biology</i> , 2010, 16, 1451-1469.	4.2	157
137	Temperature-associated increases in the global soil respiration record. <i>Nature</i> , 2010, 464, 579-582.	13.7	1,230
138	Increased tree carbon storage in response to nitrogen deposition in the US. <i>Nature Geoscience</i> , 2010, 3, 13-17.	5.4	582
139	Reduction of forest soil respiration in response to nitrogen deposition. <i>Nature Geoscience</i> , 2010, 3, 315-322.	5.4	1,254
140	A global perspective on belowground carbon dynamics under nitrogen enrichment. <i>Ecology Letters</i> , 2010, 13, 819-828.	3.0	600
141	Patterns and controls of the variability of radiation use efficiency and primary productivity across terrestrial ecosystems. <i>Global Ecology and Biogeography</i> , 2010, 19, 253-267.	2.7	201
142	Allometric Equation Development, Biomass, and Aboveground Productivity in Ponderosa Pine Forests, Black Hills, Wyoming. <i>Western Journal of Applied Forestry</i> , 2010, 25, 112-119.	0.5	11
143	Erosion and Vegetation Restoration Impacts on Ecosystem Carbon Dynamics in South China. <i>Soil Science Society of America Journal</i> , 2010, 74, 272-281.	1.2	2
144	The Greenhouse Gas Inventory of Louisiana State University: A Case Study of the Energy Requirements of Public Higher Education in the United States. <i>Sustainability</i> , 2010, 2, 2117-2134.	1.6	10
145	Interactions between nitrogen deposition, land cover conversion, and climate change determine the contemporary carbon balance of Europe. <i>Biogeosciences</i> , 2010, 7, 2749-2764.	1.3	53

#	ARTICLE	IF	CITATIONS
146	Attribution of spatial and temporal variations in terrestrial methane flux over North America. <i>Biogeosciences</i> , 2010, 7, 3637-3655.	1.3	70
147	Continuous low-maintenance CO ₂ and CH ₄ /H ₂ measurements at the Zotino Tall Tower Observatory (ZOTTO) in Central Siberia. <i>Atmospheric Measurement Techniques</i> , 2010, 3, 1113-1128.	1.25	144
148	A Case Study of Carbon Sequestration Potential of Land Use Policies Favoring Re-growth and Long-term Protection of Temperate Forests. <i>Journal of Sustainable Development</i> , 2010, 3, .	0.1	0
149	Climate control of terrestrial carbon exchange across biomes and continents. <i>Environmental Research Letters</i> , 2010, 5, 034007.	2.2	137
150	Simulations show decreasing carbon stocks and potential for carbon emissions in Rocky Mountain forests over the next century. <i>Ecological Applications</i> , 2010, 20, 1302-1319.	1.8	42
152	The frequency of forest fires in Scots pine stands of Tuva, Russia. <i>Environmental Research Letters</i> , 2010, 5, 015002.	2.2	31
153	Is understory plant species diversity driven by resource quantity or resource heterogeneity?. <i>Ecology</i> , 2010, 91, 1931-1938.	1.5	180
154	Evidence for a recent increase in forest growth. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 3611-3615.	3.3	318
155	Fertilizing Change: Carbon-Nitrogen Interactions and Carbon Storage in Land Ecosystems. <i>ICP Series on Climate Change Impacts, Adaptation, and Mitigation</i> , 2010, , 21-36.	0.4	3
156	Looking deeper into the soil: biophysical controls and seasonal lags of soil CO ₂ production and efflux. <i>Ecological Applications</i> , 2010, 20, 1569-1582.	1.8	120
157	Sulphur deposition causes a large-scale growth decline in boreal forests in Eurasia. <i>Global Biogeochemical Cycles</i> , 2010, 24, .	1.9	21
158	Carbon balance of a primary tropical seasonal rain forest. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	53
159	Climatic controls of interannual variability in regional carbon fluxes from top-down and bottom-up perspectives. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	27
160	Detecting the critical periods that underpin interannual fluctuations in the carbon balance of European forests. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	22
161	Evaluation of the impacts of defoliation by tropical cyclones on a Japanese forest's carbon budget using flux data and a process-based model. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	32
162	Soil Respiration and Ecosystem Carbon Stocks in New England Forests with Varying Soil Drainage. <i>Northeastern Naturalist</i> , 2010, 17, 437-454.	0.1	9
163	Climate change impacts, adaptive capacity, and vulnerability of European forest ecosystems. <i>Forest Ecology and Management</i> , 2010, 259, 698-709.	1.4	1,684
164	Carbon dioxide exchange of a larch forest after a typhoon disturbance. <i>Forest Ecology and Management</i> , 2010, 260, 2214-2223.	1.4	30

#	ARTICLE	IF	CITATIONS
165	Tree-ring width and $\delta^{13}\text{C}$ records of industrial stress and recovery in Pennsylvania and New Jersey forests: Implications for CO ₂ uptake by temperate forests. <i>Chemical Geology</i> , 2010, 273, 250-257.	1.4	8
166	Impact of nitrogen fertilization on carbon and water balances in a chronosequence of three Douglas-fir stands in the Pacific Northwest. <i>Agricultural and Forest Meteorology</i> , 2010, 150, 208-218.	1.9	42
167	Carbon and nitrogen cycle dynamics in the O ₂ -N land surface model: 1. Model description, site-scale evaluation, and sensitivity to parameter estimates. <i>Global Biogeochemical Cycles</i> , 2010, 24, .	1.9	362
168	Carbon and nitrogen cycle dynamics in the O ₂ -N land surface model: 2. Role of the nitrogen cycle in the historical terrestrial carbon balance. <i>Global Biogeochemical Cycles</i> , 2010, 24, .	1.9	235
169	Benchmarking coupled climate-carbon models against long-term atmospheric CO ₂ measurements. <i>Global Biogeochemical Cycles</i> , 2010, 24, .	1.9	97
170	Carbon cost of plant nitrogen acquisition: A mechanistic, globally applicable model of plant nitrogen uptake, retranslocation, and fixation. <i>Global Biogeochemical Cycles</i> , 2010, 24, .	1.9	182
171	Carbon dynamics of aboveground live vegetation of boreal mixedwoods after wildfire and clear-cutting. <i>Canadian Journal of Forest Research</i> , 2010, 40, 1862-1869.	0.8	22
172	Age-related patterns of forest complexity and carbon storage in pine and aspen-birch ecosystems of northern Minnesota, USA. <i>Canadian Journal of Forest Research</i> , 2010, 40, 401-409.	0.8	76
173	Meta-analysis of fertilization experiments indicates multiple limiting nutrients in northeastern deciduous forests. <i>Canadian Journal of Forest Research</i> , 2010, 40, 1766-1780.	0.8	101
174	Physiological ecology of forest production: principles, processes, and models. <i>Tree Physiology</i> , 2011, 31, 680-681.	1.4	19
175	Is the northern high-latitude land-based CO ₂ sink weakening?. <i>Global Biogeochemical Cycles</i> , 2011, 25, n/a-n/a.	1.9	184
176	China's terrestrial carbon balance: Contributions from multiple global change factors. <i>Global Biogeochemical Cycles</i> , 2011, 25, n/a-n/a.	1.9	231
177	Nitrogen effect on carbon-water coupling in forests, grasslands, and shrublands in the arid western United States. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	35
178	The impact of climate, CO ₂ , nitrogen deposition and land use change on simulated contemporary global river flow. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	1.5	58
179	Analysis of atmospheric inputs of nitrate to a temperate forest ecosystem from $\delta^{17}\text{O}$ isotope ratio measurements. <i>Geophysical Research Letters</i> , 2011, 38, .	1.5	42
180	Disturbance and the resilience of coupled carbon and nitrogen cycling in a north temperate forest. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	108
181	Reactive nitrogen in the environment and its effect on climate change. <i>Current Opinion in Environmental Sustainability</i> , 2011, 3, 281-290.	3.1	224
182	Role of nitrogen in carbon mitigation in forest ecosystems. <i>Current Opinion in Environmental Sustainability</i> , 2011, 3, 303-310.	3.1	13

#	ARTICLE	IF	CITATIONS
183	Principles of Terrestrial Ecosystem Ecology. , 2011, , .		860
185	A synthesis of current knowledge on forests and carbon storage in the United States. , 2011, 21, 1902-1924.		354
186	Ecosystem-scale biosphere-atmosphere interactions of a hemiboreal mixed forest stand at Järvelja, Estonia. Forest Ecology and Management, 2011, 262, 71-81.	1.4	31
187	Potential knowledge gain in large-scale simulations of forest carbon fluxes from remotely sensed biomass and height. Forest Ecology and Management, 2011, 261, 515-530.	1.4	12
188	Does soil organic matter variation affect the retention of 15NH_4^+ and 15NO_3^- in forest ecosystems?. Forest Ecology and Management, 2011, 261, 675-682.	1.4	19
189	The relation of harvesting intensity to changes in soil, soil water, and stream chemistry in a northern hardwood forest, Catskill Mountains, USA. Forest Ecology and Management, 2011, 261, 1510-1519.	1.4	25
190	Post-fire salvage logging reduces carbon sequestration in Mediterranean coniferous forest. Forest Ecology and Management, 2011, 262, 2287-2296.	1.4	47
191	Decomposition of Different Litter Fractions in a Subtropical Bamboo Ecosystem as Affected by Experimental Nitrogen Deposition. Pedosphere, 2011, 21, 685-695.	2.1	19
192	Soil Organic Matter, Soil Health and Climate Change. Soil Biology, 2011, , 87-106.	0.6	9
193	The European nitrogen problem in a global perspective. , 2011, , 9-31.		49
194	Nitrogen as a threat to European soil quality. , 2011, , 495-510.		13
195	Nitrogen as a threat to the European greenhouse balance. , 2011, , 434-462.		58
196	Sensitivity of a data-driven soil water balance model to estimate summer evapotranspiration along a forest chronosequence. Hydrology and Earth System Sciences, 2011, 15, 3461-3473.	1.9	24
197	Eddy covariance measurements with high-resolution time-of-flight aerosol mass spectrometry: a new approach to chemically resolved aerosol fluxes. Atmospheric Measurement Techniques, 2011, 4, 1275-1289.	1.2	39
198	Nitrogen processes in terrestrial ecosystems. , 2011, , 99-125.		77
199	Simulated Atmospheric N Deposition Alters Fungal Community Composition and Suppresses Ligninolytic Gene Expression in a Northern Hardwood Forest. PLoS ONE, 2011, 6, e20421.	1.1	163
200	The Chemistry of Atmosphere-Forest Exchange (CAFE) Model - Part 2: Application to BEARPEX-2007 observations. Atmospheric Chemistry and Physics, 2011, 11, 1269-1294.	1.9	85
201	The Chemistry of Atmosphere-Forest Exchange (CAFE) Model - Part 1: Model description and characterization. Atmospheric Chemistry and Physics, 2011, 11, 77-101.	1.9	124

#	ARTICLE	IF	CITATIONS
202	Dry deposition of reactive nitrogen to European ecosystems: a comparison of inferential models across the NitroEurope network. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 2703-2728.	1.9	254
203	No evidence that chronic nitrogen additions increase photosynthesis in mature sugar maple forests. , 2011, 21, 2413-2424.		43
204	Increased water-use efficiency during the 20th century did not translate into enhanced tree growth. <i>Global Ecology and Biogeography</i> , 2011, 20, 597-608.	2.7	417
205	The greenhouse gas value of ecosystems. <i>Global Change Biology</i> , 2011, 17, 425-438.	4.2	60
206	Semiempirical modeling of abiotic and biotic factors controlling ecosystem respiration across eddy covariance sites. <i>Global Change Biology</i> , 2011, 17, 390-409.	4.2	128
207	Feedback of carbon and nitrogen cycles enhances carbon sequestration in the terrestrial biosphere. <i>Global Change Biology</i> , 2011, 17, 819-842.	4.2	80
208	Differential responses of production and respiration to temperature and moisture drive the carbon balance across a climatic gradient in New Mexico. <i>Global Change Biology</i> , 2011, 17, 410-424.	4.2	148
209	Modeling to discern nitrogen fertilization impacts on carbon sequestration in a Pacific Northwest Douglas-fir forest in the first-postfertilization year. <i>Global Change Biology</i> , 2011, 17, 1442-1460.	4.2	19
210	Nitrogen addition stimulates forest litter decomposition and disrupts species interactions in Patagonia, Argentina. <i>Global Change Biology</i> , 2011, 17, 1963-1974.	4.2	94
211	The legacy of enhanced N and S deposition as revealed by the combined analysis of $\delta^{13}C$, $\delta^{18}O$ and $\delta^{15}N$ in tree rings. <i>Global Change Biology</i> , 2011, 17, 1946-1962.	4.2	66
212	An inventory-based analysis of Canada's managed forest carbon dynamics, 1990 to 2008. <i>Global Change Biology</i> , 2011, 17, 2227-2244.	4.2	232
213	Bryophytes attenuate anthropogenic nitrogen inputs in boreal forests. <i>Global Change Biology</i> , 2011, 17, 2743-2753.	4.2	183
214	Changes in satellite-derived vegetation growth trend in temperate and boreal Eurasia from 1982 to 2006. <i>Global Change Biology</i> , 2011, 17, 3228-3239.	4.2	586
215	Detecting the footprint of changing atmospheric nitrogen deposition loads on acid grasslands in the context of climate change. <i>Global Change Biology</i> , 2011, 17, 3351-3365.	4.2	19
216	Major changes in forest carbon and nitrogen cycling caused by declining sulphur deposition. <i>Global Change Biology</i> , 2011, 17, 3115-3129.	4.2	119
217	Long-term nitrogen additions increased surface soil carbon concentration in a forest plantation despite elevated decomposition. <i>Soil Biology and Biochemistry</i> , 2011, 43, 302-307.	4.2	56
218	Spatially distributed modeling of the long-term carbon balance of a boreal landscape. <i>Ecological Modelling</i> , 2011, 222, 2780-2795.	1.2	20
219	The sensitivity of carbon sequestration to harvesting and climate conditions in a temperate cypress forest: Observations and modeling. <i>Ecological Modelling</i> , 2011, 222, 3216-3225.	1.2	22

#	ARTICLE	IF	CITATIONS
220	Analysis of nitrogen controls on carbon and water exchanges in a conifer forest using the CLASS-CTEMN+ model. <i>Ecological Modelling</i> , 2011, 222, 3743-3760.	1.2	27
221	PSII photochemistry and carboxylation efficiency in <i>Liriodendron tulipifera</i> under ozone exposure. <i>Environmental and Experimental Botany</i> , 2011, 70, 217-226.	2.0	48
222	Nitrogen leaching and acidification during 19 years of NH ₄ NO ₃ additions to a coniferous-forested catchment at Gårdsjöarna, Sweden (NITREX). <i>Environmental Pollution</i> , 2011, 159, 431-440.	3.7	37
223	Modelling the impact of nitrogen deposition, climate change and nutrient limitations on tree carbon sequestration in Europe for the period 1900–2050. <i>Environmental Pollution</i> , 2011, 159, 2289-2299.	3.7	73
224	An old-growth subtropical Asian evergreen forest as a large carbon sink. <i>Atmospheric Environment</i> , 2011, 45, 1548-1554.	1.9	85
225	Minor stimulation of soil carbon storage by nitrogen addition: A meta-analysis. <i>Agriculture, Ecosystems and Environment</i> , 2011, 140, 234-244.	2.5	390
226	Feedback from soil inorganic nitrogen on soil organic matter mineralisation and growth in a boreal forest ecosystem. <i>Plant and Soil</i> , 2011, 338, 193-203.	1.8	13
227	Short-term simulated nitrogen deposition increases carbon sequestration in a <i>Pleioblastus amarus</i> plantation. <i>Plant and Soil</i> , 2011, 340, 383-396.	1.8	40
228	Carbon, nitrogen and Greenhouse gases budgets over a four years crop rotation in northern France. <i>Plant and Soil</i> , 2011, 343, 109-137.	1.8	111
229	Foliar Nitrogen Uptake from Wet Deposition and the Relation with Leaf Wettability and Water Storage Capacity. <i>Water, Air, and Soil Pollution</i> , 2011, 219, 43-57.	1.1	58
230	Carbon dynamics of North American boreal forest after stand replacing wildfire and clearcut logging. <i>Journal of Forest Research</i> , 2011, 16, 168-183.	0.7	59
231	Atmospheric deposition and leaching of nitrogen in Chinese forest ecosystems. <i>Journal of Forest Research</i> , 2011, 16, 341-350.	0.7	81
232	Recent advances and future directions in soils and sediments research. <i>Journal of Soils and Sediments</i> , 2011, 11, 875-888.	1.5	28
233	Invasive <i>Acer negundo</i> outperforms native species in non-limiting resource environments due to its higher phenotypic plasticity. <i>BMC Ecology</i> , 2011, 11, 28.	3.0	43
234	Forest productivity under climate change: a checklist for evaluating model studies. <i>Wiley Interdisciplinary Reviews: Climate Change</i> , 2011, 2, 332-355.	3.6	127
235	Increased forest ecosystem carbon and nitrogen storage from nitrogen rich bedrock. <i>Nature</i> , 2011, 477, 78-81.	13.7	148
236	Decomposition and Ecosystem Carbon Budgets. , 2011, , 183-228.		18
237	Assessing the impacts of climate change and nitrogen deposition on Norway spruce (<i>Picea abies</i> L.) Tj ETQq1 1 0.784314 rgBT/Overlo 1.4 57		

#	ARTICLE	IF	CITATIONS
238	Nutrient Cycling. , 2011, , 259-296.		13
239	The carbon balance of Africa: synthesis of recent research studies. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2011, 369, 2038-2057.	1.6	141
240	Managing forests to manage the carbon cycle. Carbon Management, 2011, 2, 499-500.	1.2	2
241	Aerosol Indirect Effect on Biogeochemical Cycles and Climate. Science, 2011, 334, 794-796.	6.0	367
242	Sitka spruce (<i>Picea sitchensis</i>) forests in Atlantic Europe: changes in forest management and possible consequences for carbon sequestration. Scandinavian Journal of Forest Research, 2011, 26, 72-81.	0.5	41
243	Animals as an indicator of carbon sequestration and valuable landscapes. ZooKeys, 2011, 100, 565-573.	0.5	6
244	Foliar Nitrogen Responses to the Environmental Gradient Matrix of the Adirondack Park, New York. Annals of the American Association of Geographers, 2012, 102, 1-16.	3.0	24
245	Boreal forest soil carbon: distribution, function and modelling. Forestry, 2012, 85, 161-184.	1.2	173
246	Growth enhancement of <i>Picea abies</i> trees under long-term, low-dose N addition is due to morphological more than to physiological changes. Tree Physiology, 2012, 32, 1471-1481.	1.4	28
247	A global analysis of fine root production as affected by soil nitrogen and phosphorus. Proceedings of the Royal Society B: Biological Sciences, 2012, 279, 3796-3802.	1.2	125
248	Effect of nitrogen deposition on China's terrestrial carbon uptake in the context of multifactor environmental changes. Ecological Applications, 2012, 22, 53-75.	1.8	93
249	The effects of soil and air temperature on CO ₂ exchange and net biomass accumulation in Norway spruce, Scots pine and silver birch seedlings. Tree Physiology, 2012, 32, 724-736.	1.4	29
250	The effects of site preparation practices on carbon dioxide, methane and nitrous oxide fluxes from a peaty gley soil. Forestry, 2012, 85, 1-15.	1.2	22
251	Detection and attribution of global change and disturbance impacts on a tower-observed ecosystem carbon budget: a critical appraisal. Environmental Research Letters, 2012, 7, 014013.	2.2	6
252	Carbon dynamics of forests in Washington, USA: 21st century projections based on climate-driven changes in fire regimes. Ecological Applications, 2012, 22, 1589-1611.	1.8	25
253	Global nutrient limitation in terrestrial vegetation. Global Biogeochemical Cycles, 2012, 26, .	1.9	142
254	Retention of Dissolved Inorganic Nitrogen by Foliage and Twigs of Four Temperate Tree Species. Ecosystems, 2012, 15, 1093-1107.	1.6	32
255	Contrasting effects of low and high nitrogen additions on soil CO ₂ flux components and ectomycorrhizal fungal sporocarp production in a boreal forest. Global Change Biology, 2012, 18, 3596-3605.	4.2	131

#	ARTICLE	IF	CITATIONS
256	Radial growth change of temperate tree species in response to altered regional climate and air quality in the period 1901–2008. <i>Climatic Change</i> , 2012, 115, 343-363.	1.7	82
257	Photosynthesis and nitrogen allocation in needles in the sun and shade crowns of hybrid larch saplings: effect of nitrogen application. <i>Photosynthetica</i> , 2012, 50, 422-428.	0.9	19
258	Canopy Uptake of 15NH_3 by Four Temperate Tree Species and the Interaction with Leaf Properties. <i>Water, Air, and Soil Pollution</i> , 2012, 223, 5643-5657.	1.1	15
259	Carbon balance of a forest ecosystem after stump harvest. <i>Scandinavian Journal of Forest Research</i> , 2012, 27, 762-773.	0.5	28
260	Satellite detection of increasing Northern Hemisphere non-frozen seasons from 1979 to 2008: Implications for regional vegetation growth. <i>Remote Sensing of Environment</i> , 2012, 121, 472-487.	4.6	216
261	Carbon stocks and net ecosystem production changes with time in two Italian forest chronosequences. <i>European Journal of Forest Research</i> , 2012, 131, 1297-1311.	1.1	27
262	Thinning effects on the net ecosystem carbon exchange of a Sitka spruce forest are temperature-dependent. <i>Agricultural and Forest Meteorology</i> , 2012, 157, 1-10.	1.9	67
263	Contributions of biogenic volatile organic compounds to net ecosystem carbon flux in a ponderosa pine plantation. <i>Atmospheric Environment</i> , 2012, 60, 527-533.	1.9	22
264	Four years of simulated N and S depositions did not cause N saturation in a mixedwood boreal forest ecosystem in the oil sands region in northern Alberta, Canada. <i>Forest Ecology and Management</i> , 2012, 280, 62-70.	1.4	26
265	Revaluing unmanaged forests for climate change mitigation. <i>Carbon Balance and Management</i> , 2012, 7, 11.	1.4	17
266	Nitrogen addition alters mineralization dynamics of ^{13}C -depleted leaf and twig litter and reduces leaching of older DOC from mineral soil. <i>Global Change Biology</i> , 2012, 18, 1412-1427.	4.2	68
267	The role of trace gas flux networks in the biogeosciences. <i>Eos</i> , 2012, 93, 217-218.	0.1	22
268	Accounting for forest carbon pool dynamics in product carbon footprints: Challenges and opportunities. <i>Environmental Impact Assessment Review</i> , 2012, 37, 23-36.	4.4	39
269	Developing spatially explicit footprints of plausible land-use scenarios in the Santa Cruz Watershed, Arizona and Sonora. <i>Landscape and Urban Planning</i> , 2012, 107, 225-235.	3.4	26
270	Effects of Climate and Soil Properties on U.S. Home Lawn Soil Organic Carbon Concentration and Pool. <i>Environmental Management</i> , 2012, 50, 1177-1192.	1.2	17
271	The inhibiting effect of nitrate fertilisation on methane uptake of a temperate forest soil is influenced by labile carbon. <i>Biology and Fertility of Soils</i> , 2012, 48, 621-631.	2.3	29
272	A Macroecological Analysis of SERA Derived Forest Heights and Implications for Forest Volume Remote Sensing. <i>PLoS ONE</i> , 2012, 7, e33927.	1.1	3
273	Energy and Environment. , 0, , 191-254.		2

#	ARTICLE	IF	CITATIONS
274	Comparative analysis of the influence of climate change and nitrogen deposition on carbon sequestration in forest ecosystems in European Russia: simulation modelling approach. <i>Biogeosciences</i> , 2012, 9, 4757-4770.	1.3	9
275	Measuring the biosphere-atmosphere exchange of total reactive nitrogen by eddy covariance. <i>Biogeosciences</i> , 2012, 9, 4247-4261.	1.3	25
276	Silvicultural strategies for adapting planted forests to climate change: from theory to practice. <i>Journal of Forest Science</i> , 2012, 58, 265-277.	0.5	20
277	Organic and inorganic nitrogen in precipitation and in forest throughfall at BÄ1/2 KÄ3/4 site (Beskydy) Tj ETQq1 1 0.784314 rgBT /	0.5	4
278	The role of the land biosphere in climate change mitigation. , 0, , 202-244.		1
279	Investigating the stomatal, cuticular and soil ammonia fluxes over a growing tritical crop under high acidic loads. <i>Biogeosciences</i> , 2012, 9, 1537-1552.	1.3	32
280	Carbon Dynamics in the Boreal Forest. , 2012, , 109-135.		2
281	Managing Carbon Sequestration and Storage in Temperate and Boreal Forests. , 2012, , 205-226.		9
282	Predicting forest site productivity in temperate lowland from forest floor, soil and litterfall characteristics using boosted regression trees. <i>Plant and Soil</i> , 2012, 354, 157-172.	1.8	54
283	Anthropogenic N Deposition Increases Soil C Storage by Decreasing the Extent of Litter Decay: Analysis of Field Observations with an Ecosystem Model. <i>Ecosystems</i> , 2012, 15, 450-461.	1.6	59
284	Responses of trees to elevated carbon dioxide and climate change. <i>Biodiversity and Conservation</i> , 2012, 21, 1327-1342.	1.2	28
285	Carbon storage in terrestrial ecosystems: do browsing and grazing herbivores matter?. <i>Biological Reviews</i> , 2012, 87, 72-94.	4.7	152
286	What is the quantitative relation between nitrogen deposition and forest carbon sequestration?. <i>Global Change Biology</i> , 2012, 18, 1-2.	4.2	44
287	The effects of land use and climate change on the carbon cycle of Europe over the past 5000 years. <i>Global Change Biology</i> , 2012, 18, 902-914.	4.2	102
288	Carbon, nitrogen, and water response to climate and land use changes in Pennsylvania during the 20th and 21st centuries. <i>Ecological Modelling</i> , 2012, 240, 49-63.	1.2	16
289	Effect of nitrogen load on growth and photosynthesis of seedlings of the hybrid larch F1 (Larix Tj ETQq1 1 0.784314 rgBT /Overlock 10 2012, 83, 73-81.	2.0	17
290	Forests under climate change and air pollution: Gaps in understanding and future directions for research. <i>Environmental Pollution</i> , 2012, 160, 57-65.	3.7	108
291	Modelling soil nitrogen: The MAGIC model with nitrogen retention linked to carbon turnover using decomposer dynamics. <i>Environmental Pollution</i> , 2012, 165, 158-166.	3.7	49

#	ARTICLE	IF	CITATIONS
292	Assessing the effects of nitrogen deposition and climate on carbon isotope discrimination and intrinsic water-use efficiency of angiosperm and conifer trees under rising CO_2 conditions. <i>Global Change Biology</i> , 2012, 18, 2925-2944.	4.2	82
293	The role of harvest residue in rotation cycle carbon balance in loblolly pine plantations. Respiration partitioning approach. <i>Global Change Biology</i> , 2012, 18, 3186-3201.	4.2	52
294	Effects of nitrogen deposition on carbon sequestration in Chinese fir forest ecosystems. <i>Science of the Total Environment</i> , 2012, 416, 351-361.	3.9	68
295	Impact of global climate change and fire on the occurrence and function of understorey legumes in forest ecosystems. <i>Journal of Soils and Sediments</i> , 2012, 12, 150-160.	1.5	36
296	Soil retention of ^{15}N in a simulated N deposition study: effects of live plant and soil organic matter content. <i>Plant and Soil</i> , 2012, 351, 61-72.	1.8	9
297	Responses of CO_2 efflux from an alpine meadow soil on the Qinghai Tibetan Plateau to multi-form and low-level N addition. <i>Plant and Soil</i> , 2012, 351, 177-190.	1.8	70
298	Afforestation opportunities when stand productivity is driven by a high risk of natural disturbance: a review of the open lichen woodland in the eastern boreal forest of Canada. <i>Mitigation and Adaptation Strategies for Global Change</i> , 2013, 18, 245-264.	1.0	20
299	Effects of seeding ratios and nitrogen fertilizer on ecosystem respiration of common vetch and oat on the Tibetan plateau. <i>Plant and Soil</i> , 2013, 362, 287-299.	1.8	14
300	Characterizing spatial and seasonal variability of carbon dioxide and water vapour fluxes above a tropical mixed mangrove forest canopy, India. <i>Journal of Earth System Science</i> , 2013, 122, 503-513.	0.6	16
301	Nutritional status of <i>Abies pinsapo</i> forests along a nitrogen deposition gradient: do C/N/P stoichiometric shifts modify photosynthetic nutrient use efficiency?. <i>Oecologia</i> , 2013, 171, 797-808.	0.9	28
302	A three-year increase in soil temperature and atmospheric N deposition has minor effects on the xylogenesis of mature balsam fir. <i>Trees - Structure and Function</i> , 2013, 27, 1525-1536.	0.9	11
303	Impacts of human alteration of the nitrogen cycle in the US on radiative forcing. <i>Biogeochemistry</i> , 2013, 114, 25-40.	1.7	51
304	Effects of Long-Term Nitrogen Addition and Atmospheric Nitrogen Deposition on Carbon Accumulation in <i>Picea sitchensis</i> Plantations. <i>Ecosystems</i> , 2013, 16, 1310-1324.	1.6	14
305	Ecosystem Services of Energy Exchange and Regulation. , 2013, , 81-92.		2
306	Environmental Indicators of Biofuel Sustainability: What About Context?. <i>Environmental Management</i> , 2013, 51, 291-306.	1.2	112
307	NDVI-based vegetation changes and their responses to climate change from 1982 to 2011: A case study in the Koshi River Basin in the middle Himalayas. <i>Global and Planetary Change</i> , 2013, 108, 139-148.	1.6	140
308	Persistent reduced ecosystem respiration after insect disturbance in high elevation forests. <i>Ecology Letters</i> , 2013, 16, 731-737.	3.0	90
309	The Structure, Distribution, and Biomass of the World's Forests. <i>Annual Review of Ecology, Evolution, and Systematics</i> , 2013, 44, 593-622.	3.8	616

#	ARTICLE	IF	CITATIONS
310	Terrestrial Ecosystems and Their Change. Springer Environmental Science and Engineering, 2013, , 171-249.	0.1	22
311	The Consequence of Tree Pests and Diseases for Ecosystem Services. Science, 2013, 342, 1235773.	6.0	386
312	Carbon in Canadaâ€™s boreal forest â€” A synthesis. Environmental Reviews, 2013, 21, 260-292.	2.1	230
313	Nitrogen Addition Increases Carbon Storage in Soils, But Not in Trees, in an Eastern U.S. Deciduous Forest. Ecosystems, 2013, 16, 980-1001.	1.6	99
314	The model study of the wildfire impact on the spatial distribution of deposition of sulfur and nitrogen compounds in Siberia. Russian Meteorology and Hydrology, 2013, 38, 750-758.	0.2	4
315	The Increased Contribution of Atmospheric Nitrogen Deposition to Nitrogen Cycling in a Rural Forested Area of Kyushu, Japan. Water, Air, and Soil Pollution, 2013, 224, 1.	1.1	13
316	Temperature and precipitation control of the spatial variation of terrestrial ecosystem carbon exchange in the Asian region. Agricultural and Forest Meteorology, 2013, 182-183, 266-276.	1.9	86
317	Soil carbon accumulation and nitrogen retention traits of four tree species grown in common gardens. Forest Ecology and Management, 2013, 309, 47-57.	1.4	64
318	Carbon storage capacity of monoculture and mixed-species plantations in subtropical China. Forest Ecology and Management, 2013, 295, 193-198.	1.4	94
319	How to Utilise the Knowledge of Causal Responses?. , 2013, , 397-469.		0
320	Carbon Cycle. , 2013, , 674-684.		2
321	Longâ€term fertilization of a boreal Norway spruce forest increases the temperature sensitivity of soil organic carbon mineralization. Ecology and Evolution, 2013, 3, 5177-5188.	0.8	27
322	Evaluation of terrestrial carbon cycle models for their response to climate variability and to <sc><sc>CO₂</sc></sc> trends. Global Change Biology, 2013, 19, 2117-2132.	4.2	617
323	Sources and Processes Contributing to Nitrogen Deposition: An Adjoint Model Analysis Applied to Biodiversity Hotspots Worldwide. Environmental Science & Technology, 2013, 47, 3226-3233.	4.6	78
324	The contribution of nitrogen deposition to the photosynthetic capacity of forests. Global Biogeochemical Cycles, 2013, 27, 187-199.	1.9	127
325	Forestry in the Republic of Ireland: Government policy, grant incentives and carbon sequestration value. Land Use Policy, 2013, 35, 16-23.	2.5	17
326	Ammonia in the atmosphere: a review on emission sources, atmospheric chemistry and deposition on terrestrial bodies. Environmental Science and Pollution Research, 2013, 20, 8092-8131.	2.7	710
327	From Missing Source to Missing Sink: Long-Term Changes in the Nitrogen Budget of a Northern Hardwood Forest. Environmental Science & Technology, 2013, 47, 11440-11448.	4.6	76

#	ARTICLE	IF	CITATIONS
328	Bioenergy and land use changeâ€”state of the art. <i>Wiley Interdisciplinary Reviews: Energy and Environment</i> , 2013, 2, 282-303.	1.9	68
329	The impact of simulated chronic nitrogen deposition on the biomass and N ₂ -fixation activity of two boreal feather mossâ€”cyanobacteria associations. <i>Biology Letters</i> , 2013, 9, 20130797.	1.0	40
330	Chronic nitrogen deposition alters the structure and function of detrital food webs in a northern hardwood ecosystem. <i>Ecological Applications</i> , 2013, 23, 1311-1321.	1.8	33
331	Climate forcing growth rates: doubling down on our Faustian bargain. <i>Environmental Research Letters</i> , 2013, 8, 011006.	2.2	34
332	Carbon and nitrogen dynamics in a <i>Pinus densiflora</i> forest with low and high stand densities. <i>Journal of Plant Ecology</i> , 2013, 6, 368-379.	1.2	29
333	NEECF: a project of nutrient enrichment experiments in China's forests. <i>Journal of Plant Ecology</i> , 2013, 6, 428-435.	1.2	61
334	Bryophyteâ€”cyanobacteria associations as regulators of the northern latitude carbon balance in response to global change. <i>Global Change Biology</i> , 2013, 19, 2022-2035.	4.2	162
335	Global patterns of nitrogen limitation: confronting two global biogeochemical models with observations. <i>Global Change Biology</i> , 2013, 19, 2986-2998.	4.2	117
336	Assessment of carbon stores in tree biomass for two management scenarios in Russia. <i>Environmental Research Letters</i> , 2013, 8, 045019.	2.2	32
337	Consequences of climate change for biotic disturbances in North American forests. <i>Ecological Monographs</i> , 2013, 83, 441-470.	2.4	351
338	Hyperspectral remote sensing of foliar nitrogen content. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, E185-92.	3.3	389
340	Principles of GHG emissions assessment of wooden building products. <i>International Journal of Sustainable Building Technology and Urban Development</i> , 2013, 4, 306-317.	1.0	6
341	Soil respiration in an oldâ€”growth subtropical forest: Patterns, components, and controls. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 2981-2990.	1.2	30
342	Carbon evasion/accumulation ratio in boreal lakes is linked to nitrogen. <i>Global Biogeochemical Cycles</i> , 2013, 27, 363-374.	1.9	67
343	Factors Controlling Carbon Fluxes in Mountainous Forest Ecosystems on Yearly to Decadal Timescales. <i>Journal of Geography (Chigaku Zasshi)</i> , 2013, 122, 615-627.	0.1	2
344	Simulating boreal forest carbon dynamics after stand-replacing fire disturbance: insights from a global process-based vegetation model. <i>Biogeosciences</i> , 2013, 10, 8233-8252.	1.3	12
345	Long-Term Experimental Nitrogen Deposition Alters the Composition of the Active Fungal Community in the Forest Floor. <i>Soil Science Society of America Journal</i> , 2013, 77, 1648-1658.	1.2	45
346	Nitrogen deposition: how important is it for global terrestrial carbon uptake?. <i>Biogeosciences</i> , 2013, 10, 7147-7160.	1.3	34

#	ARTICLE	IF	CITATIONS
347	Environmental change impacts on the C- and N-cycle of European forests: a model comparison study. <i>Biogeosciences</i> , 2013, 10, 1751-1773.	1.3	21
348	Insights into mechanisms governing forest carbon response to nitrogen deposition: a model–data comparison using observed responses to nitrogen addition. <i>Biogeosciences</i> , 2013, 10, 3869-3887.	1.3	83
349	Nitrogen balance of a boreal Scots pine forest. <i>Biogeosciences</i> , 2013, 10, 1083-1095.	1.3	55
350	Impact of Topography, Annual Burning, and Nitrogen Addition on Soil Microbial Communities in a Semiarid Grassland. <i>Soil Science Society of America Journal</i> , 2013, 77, 1214-1224.	1.2	13
351	Increased soil temperature and atmospheric N deposition have no effect on the N status and growth of a mature balsam fir forest. <i>Biogeosciences</i> , 2013, 10, 4627-4639.	1.3	29
352	Seasonal trends of dry and bulk concentration of nitrogen compounds over a rain forest in Ghana. <i>Biogeosciences</i> , 2014, 11, 3069-3081.	1.3	7
353	Application of a GC-ECD for measurements of biosphere–atmosphere exchange fluxes of peroxyacetyl nitrate using the relaxed eddy accumulation and gradient method. <i>Atmospheric Measurement Techniques</i> , 2014, 7, 2097-2119.	1.2	19
354	Nitrogen Deposition Enhances Carbon Sequestration by Plantations in Northern China. <i>PLoS ONE</i> , 2014, 9, e87975.	1.1	24
355	Nine Years of Irrigation Cause Vegetation and Fine Root Shifts in a Water-Limited Pine Forest. <i>PLoS ONE</i> , 2014, 9, e96321.	1.1	40
356	Long-Term Record of Sampled Disturbances in Northern Eurasian Boreal Forest from Pre-2000 Landsat Data. <i>Remote Sensing</i> , 2014, 6, 6020-6038.	1.8	7
357	Quantifying the effects of harvesting on carbon fluxes and stocks in northern temperate forests. <i>Biogeosciences</i> , 2014, 11, 6667-6682.	1.3	18
358	Meta-analysis of high-latitude nitrogen-addition and warming studies implies ecological mechanisms overlooked by land models. <i>Biogeosciences</i> , 2014, 11, 6969-6983.	1.3	34
359	Stand Structure and Recent Climate Change Constrain Stand Basal Area Change in European Forests: A Comparison Across Boreal, Temperate, and Mediterranean Biomes. <i>Ecosystems</i> , 2014, 17, 1439-1454.	1.6	47
360	A model using marginal efficiency of investment to analyze carbon and nitrogen interactions in terrestrial ecosystems (ACONITE Version 1). <i>Geoscientific Model Development</i> , 2014, 7, 2015-2037.	1.3	42
361	Modeling economic and carbon consequences of a shift to wood-based energy in a rural “cluster”™; a network analysis in southeast Alaska. <i>Ecological Economics</i> , 2014, 107, 287-298.	2.9	4
362	The complex issues of carbon sink: a critical overview. <i>International Journal of Environment and Health</i> , 2014, 7, 171.	0.3	10
363	Weak growth response to nitrogen deposition in an old-growth boreal forest. <i>Ecosphere</i> , 2014, 5, 1-9.	1.0	20
364	Evidence of plant biodiversity changes as a result of nitrogen deposition in permanent pine forest plots in central Russia. <i>Ecoscience</i> , 2014, 21, 286-300.	0.6	7

#	ARTICLE	IF	CITATIONS
365	Differential responses of arbuscular mycorrhizal fungi to nitrogen addition in a near pristine Tibetan alpine meadow. <i>FEMS Microbiology Ecology</i> , 2014, 89, 594-605.	1.3	79
366	Anthropogenic nitrogen deposition in boreal forests has a minor impact on the global carbon cycle. <i>Global Change Biology</i> , 2014, 20, 276-286.	4.2	103
367	On the tracks of Nitrogen deposition effects on temperate forests at their southern European range – an observational study from Italy. <i>Global Change Biology</i> , 2014, 20, 3423-3438.	4.2	72
368	Evidence for environmentally enhanced forest growth. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 9527-9532.	3.3	116
369	Contrasting soil fungal community responses to experimental nitrogen addition using the large subunit <i>rRNA</i> taxonomic marker and cellobiohydrolase I functional marker. <i>Molecular Ecology</i> , 2014, 23, 4406-4417.	2.0	36
370	Stem injection of $^{15}\text{N-NH}_4\text{NO}_3$ into mature Sitka spruce (<i>Picea sitchensis</i>). <i>Tree Physiology</i> , 2014, 34, 1130-1140.	1.4	7
371	Modeling and Monitoring Terrestrial Primary Production in a Changing Global Environment: Toward a Multiscale Synthesis of Observation and Simulation. <i>Advances in Meteorology</i> , 2014, 2014, 1-17.	0.6	54
372	How do natural disturbances and human activities affect soils and tree nutrition and growth in the Canadian boreal forest?. <i>Environmental Reviews</i> , 2014, 22, 161-178.	2.1	85
373	Above- and below-ground N stocks in coniferous boreal forests in Finland: Implications for sustainability of more intensive biomass utilization. <i>Forest Ecology and Management</i> , 2014, 311, 17-28.	1.4	56
374	Plot-scale modelling to detect size, extent, and correlates of changes in tree defoliation in French high forests. <i>Forest Ecology and Management</i> , 2014, 311, 56-69.	1.4	37
375	Evaluating the deployment of alternative species in planted conifer forests as a means of adaptation to climate change – case studies in New Zealand and Scotland. <i>Annals of Forest Science</i> , 2014, 71, 239-253.	0.8	31
376	Effect of age and disturbance on decadal changes in carbon stocks in managed forest landscapes in central Canada. <i>Mitigation and Adaptation Strategies for Global Change</i> , 2014, 19, 1063-1075.	1.0	8
377	High nitrogen deposition may enhance growth of a new hybrid larch F1 growing at two phosphorus levels. <i>Landscape and Ecological Engineering</i> , 2014, 10, 1-8.	0.7	18
378	Different types of nitrogen deposition show variable effects on the soil carbon cycle process of temperate forests. <i>Global Change Biology</i> , 2014, 20, 3222-3228.	4.2	96
379	Variable effects of nutrient enrichment on soil respiration in mangrove forests. <i>Plant and Soil</i> , 2014, 379, 135-148.	1.8	41
380	Dynamic response of tree growth to changing environmental pollution. <i>European Journal of Forest Research</i> , 2014, 133, 713-724.	1.1	26
381	Tree growth in Swiss forests between 1995 and 2010 in relation to climate and stand conditions: Recent disturbances matter. <i>Forest Ecology and Management</i> , 2014, 311, 41-55.	1.4	47
382	A process-based model to simulate growth in forests with complex structure: Evaluation and use of 3D-CMCC Forest Ecosystem Model in a deciduous forest in Central Italy. <i>Ecological Modelling</i> , 2014, 272, 362-378.	1.2	48

#	ARTICLE	IF	CITATIONS
383	Influence of nitrogen fertilization on soil ammonia oxidizer and denitrifier abundance, microbial biomass, and enzyme activities in an alpine meadow. <i>Biology and Fertility of Soils</i> , 2014, 50, 703-713.	2.3	84
384	Aerosol effects on global land surface energy fluxes during 2003–2010. <i>Geophysical Research Letters</i> , 2014, 41, 7875-7881.	1.5	28
385	Carbon stock in Korean larch plantations along a chronosequence in the Lesser Khingan Mountains, China. <i>Journal of Forestry Research</i> , 2014, 25, 749-760.	1.7	4
386	Linearity between temperature peak and bioenergy CO ₂ emission rates. <i>Nature Climate Change</i> , 2014, 4, 983-987.	8.1	33
387	Effects of agriculture and timber harvest on carbon sequestration in the eastern US forests. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2014, 119, 35-54.	1.3	25
388	Stoichiometric controls upon low molecular weight carbon decomposition. <i>Soil Biology and Biochemistry</i> , 2014, 79, 50-56.	4.2	62
389	Data-driven diagnostics of terrestrial carbon dynamics over North America. <i>Agricultural and Forest Meteorology</i> , 2014, 197, 142-157.	1.9	88
390	Future impacts of nitrogen deposition and climate change scenarios on forest crown defoliation. <i>Environmental Pollution</i> , 2014, 194, 171-180.	3.7	39
391	Short and long-term impacts of nitrogen deposition on carbon sequestration by forest ecosystems. <i>Current Opinion in Environmental Sustainability</i> , 2014, 9-10, 90-104.	3.1	170
392	Ecological functioning in grass–shrub Mediterranean ecosystems measured by eddy covariance. <i>Oecologia</i> , 2014, 175, 1005-1017.	0.9	13
393	Spatial variability and controls over biomass stocks, carbon fluxes, and resource-use efficiencies across forest ecosystems. <i>Trees - Structure and Function</i> , 2014, 28, 597-611.	0.9	62
394	Decline in Net Ecosystem Productivity Following Canopy Transition to Late-Succession Forests. <i>Ecosystems</i> , 2014, 17, 778-791.	1.6	38
395	Nitrogen deposition impacts on the amount and stability of soil organic matter in an alpine meadow ecosystem depend on the form and rate of applied nitrogen. <i>European Journal of Soil Science</i> , 2014, 65, 510-519.	1.8	40
396	Alley coppice—a new system with ancient roots. <i>Annals of Forest Science</i> , 2014, 71, 527-542.	0.8	18
397	Identification and characterization of nuclear genes involved in photosynthesis in <i>Populus</i> . <i>BMC Plant Biology</i> , 2014, 14, 81.	1.6	20
398	Summer climate variability over the last 250 years differently affected tree species radial growth in a mesic <i>Fagus</i> – <i>Abies</i> – <i>Picea</i> old-growth forest. <i>Forest Ecology and Management</i> , 2014, 320, 21-29.	1.4	50
399	The effects of urea fertilization on carbon sequestration in Douglas-fir plantations of the coastal Pacific Northwest. <i>Forest Ecology and Management</i> , 2014, 318, 341-348.	1.4	8
400	Distribution of Extracellular Enzymes in Soils: Spatial Heterogeneity and Determining Factors at Various Scales. <i>Soil Science Society of America Journal</i> , 2014, 78, 11-18.	1.2	118

#	ARTICLE	IF	CITATIONS
401	Issues and pressures facing the future of soil carbon stocks with particular emphasis on Scottish soils. <i>Journal of Agricultural Science</i> , 2014, 152, 699-715.	0.6	4
402	<i>Terrestrial and Inland Water Systems</i> , 0, , 271-360.		25
403	Global patterns of ecosystem carbon flux in forests: A biometric data-based synthesis. <i>Global Biogeochemical Cycles</i> , 2014, 28, 962-973.	1.9	35
404	<i>Forests and the climate system</i> , 0, , 21-46.		0
405	Observations of reactive nitrogen oxide fluxes by eddy covariance above two midlatitude North American mixed hardwood forests. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 2939-2957.	1.9	36
406	Soil nitrogen dynamics within profiles of a managed moist temperate forest chronosequence consistent with long-term harvesting-induced losses. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2014, 119, 1309-1321.	1.3	16
407	Spatiotemporal patterns of terrestrial gross primary production: A review. <i>Reviews of Geophysics</i> , 2015, 53, 785-818.	9.0	432
408	Carbon mitigation potential of different forest ecosystems under climate change and various managements in Italy. <i>Ecosystem Health and Sustainability</i> , 2015, 1, 1-9.	1.5	33
409	Contributions of natural and human factors to increases in vegetation productivity in China. <i>Ecosphere</i> , 2015, 6, 1-20.	1.0	47
410	Gross primary production of global forest ecosystems has been overestimated. <i>Scientific Reports</i> , 2015, 5, 10820.	1.6	43
411	Accelerating Forest Growth Enhancement due to Climate and Atmospheric Changes in British Columbia, Canada over 1956-2001. <i>Scientific Reports</i> , 2015, 4, 4461.	1.6	27
412	Net aboveground biomass declines of four major forest types with forest ageing and climate change in western Canada's boreal forests. <i>Global Change Biology</i> , 2015, 21, 3675-3684.	4.2	122
413	Chemical characterization of biogenic secondary organic aerosol generated from plant emissions under baseline and stressed conditions: inter- and intra-species variability for six coniferous species. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 3629-3646.	1.9	12
414	Local and landscape-scale impacts of clearcuts and climate change on surface water dissolved organic carbon in boreal forests. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2015, 120, 2402-2426.	1.3	23
415	Quantifying sources and sinks of reactive gases in the lower atmosphere using airborne flux observations. <i>Geophysical Research Letters</i> , 2015, 42, 8231-8240.	1.5	53
416	Impact of Nitrogen Fertilization on Forest Carbon Sequestration and Water Loss in a Chronosequence of Three Douglas-Fir Stands in the Pacific Northwest. <i>Forests</i> , 2015, 6, 1897-1921.	0.9	20
417	Interpreting canopy development and physiology using a European phenology camera network at flux sites. <i>Biogeosciences</i> , 2015, 12, 5995-6015.	1.3	98
418	Microbial respiration per unit microbial biomass depends on litter layer carbon-to-nitrogen ratio. <i>Biogeosciences</i> , 2015, 12, 817-823.	1.3	129

#	ARTICLE	IF	CITATIONS
419	Reconstructing European forest management from 1600 to 2010. <i>Biogeosciences</i> , 2015, 12, 4291-4316.	1.3	144
420	Influence of carbon inputs on soil respiration in a <i>Platycladus orientalis</i> plantation in mountainous Beijing. <i>Forestry Chronicle</i> , 2015, 91, 541-547.	0.5	0
421	Effects of a windthrow disturbance on the carbon balance of a broadleaf deciduous forest in Hokkaido, Japan. <i>Biogeosciences</i> , 2015, 12, 6837-6851.	1.3	15
423	Biomass, stem basic density and expansion factor functions for five exotic conifers grown in Denmark. <i>Scandinavian Journal of Forest Research</i> , 2015, 30, 135-153.	0.5	19
424	The contrasting effects of deposited NH ₄ ⁺ and NO ₃ ⁻ on soil CO ₂ , CH ₄ and N ₂ O fluxes in a subtropical plantation, southern China. <i>Ecological Engineering</i> , 2015, 85, 317-327.	1.6	42
425	Terrestrial Nitrogen and Climate Change. , 2015, , 85-102.		1
426	Climatic drivers of oak growth over the past one hundred years in mixed and monoculture stands in southern England and northern France. <i>European Journal of Forest Research</i> , 2015, 134, 33-51.	1.1	6
427	Combination of nitrogen and phosphorus fertilization enhance ecosystem carbon sequestration in a nitrogen-limited temperate plantation of Northern China. <i>Forest Ecology and Management</i> , 2015, 341, 59-66.	1.4	35
428	Easy-to-make portable chamber for in situ CO ₂ exchange measurements on biological soil crusts. <i>Photosynthetica</i> , 2015, 53, 72-84.	0.9	13
429	Microbial denitrification dominates nitrate losses from forest ecosystems. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 1470-1474.	3.3	182
430	Edge effects on moisture reduce wood decomposition rate in a temperate forest. <i>Global Change Biology</i> , 2015, 21, 698-707.	4.2	61
431	Effects of LiDAR point density and landscape context on estimates of urban forest biomass. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2015, 101, 310-322.	4.9	77
432	Climatic patterns modulate ecosystem and soil respiration responses to fertilization in an alpine meadow on the Tibetan Plateau, China. <i>Ecological Research</i> , 2015, 30, 3-13.	0.7	24
433	Anthropogenic nitrogen deposition enhances carbon sequestration in boreal soils. <i>Global Change Biology</i> , 2015, 21, 3169-3180.	4.2	163
434	Past-century decline in forest regeneration potential across a latitudinal and elevational gradient in Canada. <i>Ecological Modelling</i> , 2015, 313, 94-102.	1.2	10
435	Consequences of long-term severe industrial pollution for aboveground carbon and nitrogen pools in northern taiga forests at local and regional scales. <i>Science of the Total Environment</i> , 2015, 536, 616-624.	3.9	20
436	Anthropogenic nitrogen deposition predicts local grassland primary production worldwide. <i>Ecology</i> , 2015, 96, 1459-1465.	1.5	143
437	Effects of forest management on productivity and carbon sequestration: A review and hypothesis. <i>Forest Ecology and Management</i> , 2015, 355, 124-140.	1.4	145

#	ARTICLE	IF	CITATIONS
438	Effects of nitrogen enrichment on belowground communities in grassland: Relative role of soil nitrogen availability vs. soil acidification. <i>Soil Biology and Biochemistry</i> , 2015, 89, 99-108.	4.2	188
439	Nitrogen and Climate Change. , 2015, , .		8
440	Contrasting effects of ammonium and nitrate inputs on soil CO ₂ emission in a subtropical coniferous plantation of southern China. <i>Biology and Fertility of Soils</i> , 2015, 51, 815-825.	2.3	41
441	Carbon pools in a montane old-growth Norway spruce ecosystem in Bohemian Forest: Effects of stand age and elevation. <i>Forest Ecology and Management</i> , 2015, 346, 106-113.	1.4	42
442	Covariation between gross primary production and ecosystem respiration across space and the underlying mechanisms: A global synthesis. <i>Agricultural and Forest Meteorology</i> , 2015, 203, 180-190.	1.9	56
443	Nitrogen limitation on land: how can it occur in Earth system models?. <i>Global Change Biology</i> , 2015, 21, 1777-1793.	4.2	124
444	Chronic nitrogen deposition alters tree allometric relationships: Implications for biomass production and carbon storage. , 0, , .		0
445	Seasonality and nitrogen supply modify carbon partitioning in understory vegetation of a boreal coniferous forest. <i>Ecology</i> , 2016, 97, 671-683.	1.5	9
446	Senescence: Is It Universal or Not?. <i>Trends in Plant Science</i> , 2015, 20, 713-720.	4.3	32
447	Biomass production efficiency controlled by management in temperate and boreal ecosystems. <i>Nature Geoscience</i> , 2015, 8, 843-846.	5.4	109
448	Will more nitrogen enhance carbon storage in young forest stands in central Appalachia?. <i>Forest Ecology and Management</i> , 2015, 337, 144-152.	1.4	24
449	The future potential for Carbon Capture and Storage in climate change mitigation – an overview from perspectives of technology, economy and risk. <i>Journal of Cleaner Production</i> , 2015, 103, 724-736.	4.6	190
450	A global assessment of forest surface albedo and its relationships with climate and atmospheric nitrogen deposition. <i>Global Change Biology</i> , 2015, 21, 287-298.	4.2	12
451	<scp>CTFS</scp> – Forest<scp>GEO</scp>: a worldwide network monitoring forests in an era of global change. <i>Global Change Biology</i> , 2015, 21, 528-549.	4.2	473
452	Potential changes in Czech forest soil carbon stocks under different climate change scenarios. <i>Journal of Forest Science</i> , 2016, 62, 537-544.	0.5	3
453	Preface: Impacts of extreme climate events and disturbances on carbon dynamics. <i>Biogeosciences</i> , 2016, 13, 3665-3675.	1.3	16
454	Subalpine grassland carbon balance during 7 years of increased atmospheric N deposition. <i>Biogeosciences</i> , 2016, 13, 3807-3817.	1.3	9
455	How have past fire disturbances contributed to the current carbon balance of boreal ecosystems?. <i>Biogeosciences</i> , 2016, 13, 675-690.	1.3	34

#	ARTICLE	IF	CITATIONS
456	The relative contributions of forest growth and areal expansion to forest biomass carbon. <i>Biogeosciences</i> , 2016, 13, 375-388.	1.3	35
457	Validation of 3D-CMCC Forest Ecosystem Model (v.5.1) against eddy covariance data for 10 European forest sites. <i>Geoscientific Model Development</i> , 2016, 9, 479-504.	1.3	36
458	Anthropogenic N Deposition Slows Decay by Favoring Bacterial Metabolism: Insights from Metagenomic Analyses. <i>Frontiers in Microbiology</i> , 2016, 7, 259.	1.5	64
459	Major Changes in Growth Rate and Growth Variability of Beech (<i>Fagus sylvatica</i> L.) Related to Soil Alteration and Climate Change in Belgium. <i>Forests</i> , 2016, 7, 174.	0.9	14
460	Carbon Cycle—Climate Feedbacks. , 0, , 563-593.		0
461	Nutrient constraints on terrestrial carbon fixation: The role of nitrogen. <i>Journal of Plant Physiology</i> , 2016, 203, 95-109.	1.6	38
462	Soil acidification exerts a greater control on soil respiration than soil nitrogen availability in grasslands subjected to long-term nitrogen enrichment. <i>Functional Ecology</i> , 2016, 30, 658-669.	1.7	156
463	Nitrogen deposition and greenhouse gas emissions from grasslands: uncertainties and future directions. <i>Global Change Biology</i> , 2016, 22, 1348-1360.	4.2	45
464	Global patterns and substrate-based mechanisms of the terrestrial nitrogen cycle. <i>Ecology Letters</i> , 2016, 19, 697-709.	3.0	192
465	N ₂ O Release from Agro-biofuel Production Negates Global Warming Reduction by Replacing Fossil Fuels. <i>SpringerBriefs on Pioneers in Science and Practice</i> , 2016, , 227-238.	0.2	39
466	Does excess nitrogen supply increase the drought sensitivity of European beech (<i>Fagus sylvatica</i> L.) seedlings?. <i>Plant Ecology</i> , 2016, 217, 393-405.	0.7	37
467	Direct radiative effects of tropospheric aerosols on changes of global surface soil moisture. <i>Climatic Change</i> , 2016, 136, 175-187.	1.7	9
468	How much carbon can the Siberian boreal taiga store: a case study of partitioning among the above-ground and soil pools. <i>Journal of Forestry Research</i> , 2016, 27, 907-912.	1.7	9
469	Greening of the Earth and its drivers. <i>Nature Climate Change</i> , 2016, 6, 791-795.	8.1	1,675
470	The contribution of ericoid plants to soil nitrogen chemistry and organic matter decomposition in boreal forest soil. <i>Soil Biology and Biochemistry</i> , 2016, 103, 394-404.	4.2	48
471	Nonlinear responses of soil nitrous oxide emission to multi-level nitrogen enrichment in a temperate needle-broadleaved mixed forest in Northeast China. <i>Catena</i> , 2016, 147, 556-563.	2.2	22
472	Evapotranspiration and water use efficiency in relation to climate and canopy nitrogen in U.S. forests. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2016, 121, 2610-2629.	1.3	43
473	Soil Microbiological Activity and Carbon Dynamics in the Current Climate Change Scenarios: A Review. <i>Pedosphere</i> , 2016, 26, 577-591.	2.1	48

#	ARTICLE	IF	CITATIONS
474	Discerning environmental factors affecting current tree growth in Central Europe. <i>Science of the Total Environment</i> , 2016, 573, 541-554.	3.9	47
475	Disturbance, complexity, and succession of net ecosystem production in North America's temperate deciduous forests. <i>Ecosphere</i> , 2016, 7, e01375.	1.0	60
476	Nâ€P stoichiometry in soil and leaves of <i>Pinus massoniana</i> forest at different stand ages in the subtropical soil erosion area of China. <i>Environmental Earth Sciences</i> , 2016, 75, 1.	1.3	40
477	Combined effects of nitrogen addition and organic matter manipulation on soil respiration in a Chinese pine forest. <i>Environmental Science and Pollution Research</i> , 2016, 23, 22701-22710.	2.7	13
478	Vertical and seasonal dynamics of fungal communities in boreal Scots pine forest soil. <i>FEMS Microbiology Ecology</i> , 2016, 92, fiw170.	1.3	84
479	Changes in litter quality induced by nutrient addition alter litter decomposition in an alpine meadow on the Qinghai-Tibet Plateau. <i>Scientific Reports</i> , 2016, 6, 34290.	1.6	19
480	Long-term temporal relationships between environmental conditions and xylem functional traits: a meta-analysis across a range of woody species along climatic and nitrogen deposition gradients. <i>Tree Physiology</i> , 2017, 37, 4-17.	1.4	37
481	Pan-Eurasian Experiment (PEEX): towards a holistic understanding of the feedbacks and interactions in the landâ€atmosphereâ€oceanâ€society continuum in the northern Eurasian region. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 14421-14461.	1.9	57
482	Age and climate contribution to observed forest carbon sinks in East Asia. <i>Environmental Research Letters</i> , 2016, 11, 034021.	2.2	15
483	Chronic nitrogen deposition alters tree allometric relationships: implications for biomass production and carbon storage. <i>Ecological Applications</i> , 2016, 26, 913-925.	1.8	20
484	Integrating tree-ring and inventory-based measurements of aboveground biomass growth: research opportunities and carbon cycle consequences from a large snow breakage event in the Swiss Alps. <i>European Journal of Forest Research</i> , 2016, 135, 297-311.	1.1	33
485	Biomass and physiological responses of <i>Quercus robur</i> (L.) young trees during 2Âyears of treatments with different levels of ozone and nitrogen wet deposition. <i>Trees - Structure and Function</i> , 2016, 30, 1995-2010.	0.9	20
486	Acid rain mitigation experiment shifts a forested watershed from a net sink to a net source of nitrogen. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 7580-7583.	3.3	46
487	Macronutrient status of UK groundwater: Nitrogen, phosphorus and organic carbon. <i>Science of the Total Environment</i> , 2016, 572, 1543-1560.	3.9	31
488	The legacy of disturbance on individual tree and stand-level aboveground biomass accumulation and stocks in primary mountain <i>Picea abies</i> forests. <i>Forest Ecology and Management</i> , 2016, 373, 108-115.	1.4	30
489	Strong gradients in nitrogen and carbon stocks at temperate forest edges. <i>Forest Ecology and Management</i> , 2016, 376, 45-58.	1.4	56
490	Longâ€term nitrogen deposition linked to reduced water use efficiency in forests with low phosphorus availability. <i>New Phytologist</i> , 2016, 210, 431-442.	3.5	85
491	Global change pressures on soils from land use and management. <i>Global Change Biology</i> , 2016, 22, 1008-1028.	4.2	605

#	ARTICLE	IF	CITATIONS
492	Physiological and ecological factors influencing recent trends in United States forest health responses to climate change. <i>Forest Ecology and Management</i> , 2016, 363, 179-189.	1.4	28
493	Nitrogen dynamics in managed boreal forests: Recent advances and future research directions. <i>Ambio</i> , 2016, 45, 175-187.	2.8	76
494	Does canopy nitrogen uptake enhance carbon sequestration by trees?. <i>Global Change Biology</i> , 2016, 22, 875-888.	4.2	45
495	Age-Related Modulation of the Nitrogen Resorption Efficiency Response to Growth Requirements and Soil Nitrogen Availability in a Temperate Pine Plantation. <i>Ecosystems</i> , 2016, 19, 698-709.	1.6	71
496	Tamm Review: Observed and projected climate change impacts on Russia's forests and its carbon balance. <i>Forest Ecology and Management</i> , 2016, 361, 432-444.	1.4	104
497	Response of <i>Quercus velutina</i> growth and water use efficiency to climate variability and nitrogen fertilization in a temperate deciduous forest in the northeastern USA. <i>Tree Physiology</i> , 2016, 36, 428-443.	1.4	28
498	Approaches of climate factors affecting the spatial variation of annual gross primary productivity among terrestrial ecosystems in China. <i>Ecological Indicators</i> , 2016, 62, 174-181.	2.6	17
499	Nutrient Budgets in Forests Under Increased Biomass Harvesting Scenarios. <i>Current Forestry Reports</i> , 2016, 2, 81-91.	3.4	36
500	Increasing carbon sinks in European forests: effects of afforestation and changes in mean growing stock volume. <i>Forestry</i> , 2016, 89, 82-90.	1.2	14
501	Cover density recovery after fire disturbance controls landscape aboveground biomass carbon in the boreal forest of eastern Canada. <i>Forest Ecology and Management</i> , 2016, 360, 170-180.	1.4	17
502	Variance decomposition of predictions of stem biomass increment for European beech: Contribution of selected sources of uncertainty. <i>Forest Ecology and Management</i> , 2016, 361, 46-55.	1.4	11
503	A model based investigation of the relative importance of CO ₂ -fertilization, climate warming, nitrogen deposition and land use change on the global terrestrial carbon uptake in the historical period. <i>Climate Dynamics</i> , 2016, 47, 173-190.	1.7	53
504	Assessing changes in the above ground biomass and carbon stocks of Lidder valley, Kashmir Himalaya, India. <i>Geocarto International</i> , 2017, 32, 717-734.	1.7	36
505	Stand age and species richness dampen interannual variation of ecosystem-level photosynthetic capacity. <i>Nature Ecology and Evolution</i> , 2017, 1, 48.	3.4	85
506	Shift in fungal communities and associated enzyme activities along an age gradient of managed <i>Pinus sylvestris</i> stands. <i>ISME Journal</i> , 2017, 11, 863-874.	4.4	192
507	Evaluating carbon fluxes of global forest ecosystems by using an individual tree-based model FORCCHN. <i>Science of the Total Environment</i> , 2017, 586, 939-951.	3.9	25
508	Aerosol Deposition Impacts on Land and Ocean Carbon Cycles. <i>Current Climate Change Reports</i> , 2017, 3, 16-31.	2.8	103
509	Contrasting effects of NH ₄ ⁺ and NO ₃ ⁻ amendments on amount and chemical characteristics of different density organic matter fractions in a boreal forest soil. <i>Geoderma</i> , 2017, 293, 1-9.	2.3	17

#	ARTICLE	IF	CITATIONS
510	Dryland forest management alters fungal community composition and decouples assembly of root- and soil-associated fungal communities. <i>Soil Biology and Biochemistry</i> , 2017, 109, 14-22.	4.2	39
511	Soil nitrate accumulation explains the nonlinear responses of soil CO ₂ and CH ₄ fluxes to nitrogen addition in a temperate needle-broadleaved mixed forest. <i>Ecological Indicators</i> , 2017, 79, 28-36.	2.6	49
512	Epidemiological analysis of ozone and nitrogen impacts on vegetation – Critical evaluation and recommendations. <i>Science of the Total Environment</i> , 2017, 603-604, 785-792.	3.9	29
513	Annual climate variation modifies nitrogen induced carbon accumulation of <i>Pinus sylvestris</i> forests. <i>Ecological Applications</i> , 2017, 27, 1838-1851.	1.8	16
514	Decoupling of soil carbon and nitrogen turnover partly explains increased net ecosystem production in response to nitrogen fertilization. <i>Scientific Reports</i> , 2017, 7, 46286.	1.6	23
515	Linkages of plant stoichiometry to ecosystem production and carbon fluxes with increasing nitrogen inputs in an alpine steppe. <i>Global Change Biology</i> , 2017, 23, 5249-5259.	4.2	70
516	Global forest carbon uptake due to nitrogen and phosphorus deposition from 1850 to 2100. <i>Global Change Biology</i> , 2017, 23, 4854-4872.	4.2	158
517	Soil organic carbon dynamics jointly controlled by climate, carbon inputs, soil properties and soil carbon fractions. <i>Global Change Biology</i> , 2017, 23, 4430-4439.	4.2	328
518	How do disturbances and climate effects on carbon and water fluxes differ between multi-aged and even-aged coniferous forests?. <i>Science of the Total Environment</i> , 2017, 599-600, 1583-1597.	3.9	30
519	Spatial and temporal effects of nitrogen addition on root morphology and growth in a boreal forest. <i>Geoderma</i> , 2017, 303, 178-187.	2.3	36
520	Long-term nitrogen deposition increases heathland carbon sequestration. <i>Science of the Total Environment</i> , 2017, 592, 426-435.	3.9	32
521	Assimilation of repeated woody biomass observations constrains decadal ecosystem carbon cycle uncertainty in aggrading forests. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2017, 122, 528-545.	1.3	41
522	Gross primary production responses to warming, elevated CO ₂ , and irrigation: quantifying the drivers of ecosystem physiology in a semiarid grassland. <i>Global Change Biology</i> , 2017, 23, 3092-3106.	4.2	43
523	Sustaining the sequestration efficiency of the European forest sector. <i>Forest Ecology and Management</i> , 2017, 405, 44-55.	1.4	46
524	The 2016 Southeastern U.S. Drought: An Extreme Departure From Centennial Wetting and Cooling. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 10888-10905.	1.2	48
525	Ecosystem vs. community recovery 25 years after grass invasions and fire in a subtropical woodland. <i>Journal of Ecology</i> , 2017, 105, 1462-1474.	1.9	26
526	Present-day and future contribution of climate and fires to vegetation composition in the boreal forest of China. <i>Ecosphere</i> , 2017, 8, e01917.	1.0	26
527	Increasing spring temperatures favor oak seed production in temperate areas. <i>Scientific Reports</i> , 2017, 7, 8555.	1.6	73

#	ARTICLE	IF	CITATIONS
528	Atmospheric deposition, CO ₂ , and change in the land carbon sink. <i>Scientific Reports</i> , 2017, 7, 9632.	1.6	62
529	Human influence on the temporal dynamics and spatial distribution of forest biomass carbon in China. <i>Ecology and Evolution</i> , 2017, 7, 6220-6230.	0.8	19
530	N ₂ O emissions from grain cropping systems: a meta-analysis of the impacts of fertilizer-based and ecologically-based nutrient management strategies. <i>Nutrient Cycling in Agroecosystems</i> , 2017, 107, 335-355.	1.1	75
531	Forest soils in France are sequestering substantial amounts of carbon. <i>Science of the Total Environment</i> , 2017, 574, 616-628.	3.9	58
532	Decomposition nitrogen is better retained than simulated deposition from mineral amendments in a temperate forest. <i>Global Change Biology</i> , 2017, 23, 1711-1724.	4.2	6
533	Global Change and Terrestrial Ecosystems. <i>Springer Geography</i> , 2017, , 205-232.	0.3	0
534	Costimulation of soil glycosidase activity and soil respiration by nitrogen addition. <i>Global Change Biology</i> , 2017, 23, 1328-1337.	4.2	154
535	Country-level net primary production distribution and response to drought and land cover change. <i>Science of the Total Environment</i> , 2017, 574, 65-77.	3.9	43
536	Carbon stocks in tree biomass and soils of German forests. <i>Central European Forestry Journal</i> , 2017, 63, 105-112.	0.2	13
537	Global Change and the Soil Microbiome: A Human-Health Perspective. <i>Frontiers in Ecology and Evolution</i> , 2017, 5, .	1.1	19
538	Forest dynamics in the U.S. indicate disproportionate attrition in western forests, rural areas and public lands. <i>PLoS ONE</i> , 2017, 12, e0171383.	1.1	5
539	Stand Dynamics and Biomass Increment in a <i>Lucidophyllous</i> Forest over a 28-Year Period in Central Japan. <i>Forests</i> , 2017, 8, 397.	0.9	8
540	Reviews and syntheses: An empirical spatiotemporal description of the global surfaceâ€™atmosphere carbon fluxes: opportunities and data limitations. <i>Biogeosciences</i> , 2017, 14, 3685-3703.	1.3	58
541	Initial shifts in nitrogen impact on ecosystem carbon fluxes in an alpine meadow: patterns and causes. <i>Biogeosciences</i> , 2017, 14, 3947-3956.	1.3	29
542	A new estimation of Chinaâ€™s net ecosystem productivity based on eddy covariance measurements and a model tree ensemble approach. <i>Agricultural and Forest Meteorology</i> , 2018, 253-254, 84-93.	1.9	58
543	Covariations of Carbon Fluxes at Spatial Pattern. <i>Springer Theses</i> , 2018, , 73-88.	0.0	0
544	Nutrient remobilization in tree foliage as affected by soil nutrients and leaf life span. <i>Ecological Monographs</i> , 2018, 88, 408-428.	2.4	58
545	Nitrogen deposition outweighs climatic variability in driving annual growth rate of canopy beech trees: Evidence from longâ€™term growth reconstruction across a geographic gradient. <i>Global Change Biology</i> , 2018, 24, 2898-2912.	4.2	22

#	ARTICLE	IF	CITATIONS
546	Climate driven trends in tree biomass increment show asynchronous dependence on tree-ring width and wood density variation. <i>Dendrochronologia</i> , 2018, 48, 40-51.	1.0	13
547	Anthropogenic nitrogen deposition ameliorates the decline in tree growth caused by a drier climate. <i>Ecology</i> , 2018, 99, 411-420.	1.5	33
548	Soil Arthropods in Maintaining Soil Health: Thrust Areas for Sugarcane Production Systems. <i>Sugar Tech</i> , 2018, 20, 376-391.	0.9	27
549	Threshold responses of soil organic carbon concentration and composition to multi-level nitrogen addition in a temperate needle-broadleaved forest. <i>Biogeochemistry</i> , 2018, 137, 219-233.	1.7	15
550	Ecosystem carbon use efficiency in China: Variation and influence factors. <i>Ecological Indicators</i> , 2018, 90, 316-323.	2.6	19
551	Effects of continuous nitrogen addition on microbial properties and soil organic matter in a <i>Larix gmelinii</i> plantation in China. <i>Journal of Forestry Research</i> , 2018, 29, 85-92.	1.7	9
552	Towards an Improved Conceptualization of Riparian Zones in Boreal Forest Headwaters. <i>Ecosystems</i> , 2018, 21, 297-315.	1.6	71
553	Biodiversity as a solution to mitigate climate change impacts on the functioning of forest ecosystems. <i>Biological Reviews</i> , 2018, 93, 439-456.	4.7	137
554	Anthropogenic nitrogen deposition alters growth responses of European beech (<i>Fagus sylvatica</i> L.) to climate change. <i>Environmental Pollution</i> , 2018, 233, 92-98.	3.7	15
555	Positive responses of belowground C dynamics to nitrogen enrichment in China. <i>Science of the Total Environment</i> , 2018, 616-617, 1035-1044.	3.9	41
556	Global-scale impacts of nitrogen deposition on tree carbon sequestration in tropical, temperate, and boreal forests: A meta-analysis. <i>Global Change Biology</i> , 2018, 24, e416-e431.	4.2	208
557	Size-dependent nutrient limitation of tree growth from subtropical to cold temperate forests. <i>Functional Ecology</i> , 2018, 32, 95-105.	1.7	52
558	Spatial pattern of carbon stocks in forest ecosystems of a typical subtropical region of southeastern China. <i>Forest Ecology and Management</i> , 2018, 409, 288-297.	1.4	48
559	Predicting individual-tree growth of central European tree species as a function of site, stand, management, nutrient, and climate effects. <i>European Journal of Forest Research</i> , 2018, 137, 29-44.	1.1	57
560	Changes in nitrogen and phosphorus cycling suggest a transition to phosphorus limitation with the stand development of larch plantations. <i>Plant and Soil</i> , 2018, 422, 385-396.	1.8	49
561	The response of tree growth to nitrogen and phosphorus additions in a tropical montane rainforest. <i>Science of the Total Environment</i> , 2018, 618, 1064-1070.	3.9	41
562	Carbon and nitrogen burial in a plateau lake during eutrophication and phytoplankton blooms. <i>Science of the Total Environment</i> , 2018, 616-617, 296-304.	3.9	70
563	Representing sub-grid scale variations in nitrogen deposition associated with land use in a global Earth system model: implications for present and future nitrogen deposition fluxes over North America. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 17963-17978.	1.9	25

#	ARTICLE	IF	CITATIONS
564	Effect of Fertilization on Growth and Mortality of Jack Pine Growing on Poor, Sandy Soils in Michigan, USA: Implications for Sustainable Management. <i>Forests</i> , 2018, 9, 549.	0.9	4
565	Detection of Forest Changes with Multi-Temporal Lidar Data. , 2018, , .		1
566	Enhanced peak growth of global vegetation and its key mechanisms. <i>Nature Ecology and Evolution</i> , 2018, 2, 1897-1905.	3.4	169
567	Characterization of organic nitrogen in aerosols at a forest site in the southern Appalachian Mountains. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 6829-6846.	1.9	16
568	Sustainable Land Management, Adaptive Silviculture, and New Forest Challenges: Evidence from a Latitudinal Gradient in Italy. <i>Sustainability</i> , 2018, 10, 2520.	1.6	7
570	Changes in Wood Biomass and Crop Yields in Response to Projected CO ₂ , O ₃ , Nitrogen Deposition, and Climate. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2018, 123, 3262-3282.	1.3	15
571	Temporal response of soil organic carbon after grassland-related land-use change. <i>Global Change Biology</i> , 2018, 24, 4731-4746.	4.2	44
572	Geostatistical estimation of forest biomass in interior Alaska combining Landsat-derived tree cover, sampled airborne lidar and field observations. <i>Remote Sensing of Environment</i> , 2018, 212, 212-230.	4.6	39
573	In Defense of Crappy Landscapes (Core Tenet #1). , 2018, , 49-66.		14
574	Simulating ectomycorrhiza in boreal forests: implementing ectomycorrhizal fungi model MYCOFON in CoupModel (v5). <i>Geoscientific Model Development</i> , 2018, 11, 725-751.	1.3	7
575	Negative effect of nitrogen addition on soil respiration dependent on stand age: Evidence from a 7-year field study of larch plantations in northern China. <i>Agricultural and Forest Meteorology</i> , 2018, 262, 24-33.	1.9	27
576	Major perturbations in the Earth's forest ecosystems. Possible implications for global warming. <i>Earth-Science Reviews</i> , 2018, 185, 544-571.	4.0	72
577	Ecosystem Carbon Use Efficiency Is Insensitive to Nitrogen Addition in an Alpine Meadow. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2018, 123, 2388-2398.	1.3	12
578	Contrasting effects of N addition on the N and P status of understory vegetation in plantations of sapling and mature <i>Larix principis-rupprechtii</i> . <i>Journal of Plant Ecology</i> , 2018, 11, 843-852.	1.2	9
579	Shifts in priming partly explain impacts of long-term nitrogen input in different chemical forms on soil organic carbon storage. <i>Global Change Biology</i> , 2018, 24, 4160-4172.	4.2	24
580	Adsorption artificial tree for atmospheric carbon dioxide capture, purification and compression. <i>Energy</i> , 2018, 162, 1158-1168.	4.5	40
581	Climatic anomaly and its impact on vegetation phenology, carbon sequestration and water-use efficiency at a humid temperate forest. <i>Journal of Hydrology</i> , 2018, 565, 150-159.	2.3	25
582	Recognizing Women Leaders in Fire Science. <i>Fire</i> , 2018, 1, 30.	1.2	4

#	ARTICLE	IF	CITATIONS
583	Microbial mechanisms of carbon and nitrogen acquisition in contrasting urban soils. <i>European Journal of Soil Biology</i> , 2018, 88, 1-7.	1.4	5
584	Response of soil organic carbon and nitrogen to nitrogen deposition in a <i>Larix principis-rupprechtii</i> plantation. <i>Scientific Reports</i> , 2018, 8, 8638.	1.6	7
585	Measured estimates of semi-natural terrestrial NPP in Great Britain: comparison with modelled values, and dependence on atmospheric nitrogen deposition. <i>Biogeochemistry</i> , 2019, 144, 215-227.	1.7	14
586	Mechanisms driving ecosystem carbon sequestration in a Chinese fir plantation: nitrogen versus phosphorus fertilization. <i>European Journal of Forest Research</i> , 2019, 138, 863-873.	1.1	7
587	Nitrogen Deposition and Responses of Forest Structure to Nitrogen Deposition in a Cool-Temperate Deciduous Forest. <i>Forests</i> , 2019, 10, 631.	0.9	7
588	Reviews and syntheses: influences of landscape structure and land uses on local to regional climate and air quality. <i>Biogeosciences</i> , 2019, 16, 2369-2408.	1.3	22
589	Different Responses and Links of N:P Ratio Among Ecosystem Components Under Nutrient Addition in a Temperate Forest. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2019, 124, 3158-3167.	1.3	10
590	Resorption-related nitrogen changes in the leaves and roots of <i>Larix kaempferi</i> seedlings under nutrient-sufficient and nutrient-starvation conditions. <i>Journal of Plant Ecology</i> , 2019, 12, 615-623.	1.2	6
591	Disentangling the Effects of Temperature, Moisture, and Substrate Availability on Soil CO ₂ Efflux. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2019, 124, 2060-2075.	1.3	25
592	Nitrogen Deposition Maintains a Positive Effect on Terrestrial Carbon Sequestration in the 21st Century Despite Growing Phosphorus Limitation at Regional Scales. <i>Global Biogeochemical Cycles</i> , 2019, 33, 810-824.	1.9	26
593	Nutrient and carbon cycling along nitrogen deposition gradients in broadleaf and conifer forest stands in the east of England. <i>Forest Ecology and Management</i> , 2019, 447, 180-194.	1.4	22
594	Atmospheric deposition of anthropogenic inorganic nitrogen in airborne particles and precipitation in the East Sea in the northwestern Pacific Ocean. <i>Science of the Total Environment</i> , 2019, 681, 400-412.	3.9	24
595	Carbon use efficiency of mycorrhizal fungal mycelium increases during the growing season but decreases with forest age across a <i>Pinus sylvestris</i> chronosequence. <i>Journal of Ecology</i> , 2019, 107, 2808-2822.	1.9	17
596	Mycorrhizal mediation of plant and ecosystem responses to soil warming. , 2019, , 157-173.		0
597	Bedrock nitrogen weathering stimulates biological nitrogen fixation. <i>Ecology</i> , 2019, 100, e02741.	1.5	13
598	Simple measurements in a complex system: soil community responses to nitrogen amendment in a <i>Pinus taeda</i> forest. <i>Ecosphere</i> , 2019, 10, e02687.	1.0	3
599	Confessions of solitary oaks: We grow fast but we fear the drought. <i>Dendrochronologia</i> , 2019, 55, 43-49.	1.0	5
600	Is NPP proportional to GPP? Waring's hypothesis 20 years on. <i>Tree Physiology</i> , 2019, 39, 1473-1483.	1.4	93

#	ARTICLE	IF	CITATIONS
601	Characteristics of Atmospheric Reactive Nitrogen Deposition in Nyingchi City. Scientific Reports, 2019, 9, 4645.	1.6	20
602	Nitrogen-fixing trees could exacerbate climate change under elevated nitrogen deposition. Nature Communications, 2019, 10, 1493.	5.8	40
603	Rapid carbon accumulation within an unmanaged, mixed, temperate woodland. Scandinavian Journal of Forest Research, 2019, 34, 208-217.	0.5	4
604	Interaction between tannins and fungal necromass stabilizes fungal residues in boreal forest soils. New Phytologist, 2019, 223, 16-21.	3.5	73
605	Increased Global Land Carbon Sink Due to Aerosol-Induced Cooling. Global Biogeochemical Cycles, 2019, 33, 439-457.	1.9	27
606	Soil solution, foliar concentrations and tree growth response to 8 years of ammonium-nitrate additions in two boreal forests of Quebec, Canada. Forest Ecology and Management, 2019, 437, 263-271.	1.4	8
607	Characterizing forest carbon dynamics using multi-temporal lidar data. Remote Sensing of Environment, 2019, 224, 412-420.	4.6	35
608	CO2 Fluxes in Mangrove Ecosystems. , 2019, , 185-221.		1
609	Coordination of intra and inter-species leaf traits according to leaf phenology and plant age for three temperate broadleaf species with different shade tolerances. Forest Ecology and Management, 2019, 434, 63-75.	1.4	31
610	Global trends in carbon sinks and their relationships with CO2 and temperature. Nature Climate Change, 2019, 9, 73-79.	8.1	163
611	An assessment of long-term soil acidification trends in Alberta, Canada. Ecological Indicators, 2019, 98, 712-722.	2.6	13
612	Environmental drivers interactively affect individual tree growth across temperate European forests. Global Change Biology, 2019, 25, 201-217.	4.2	44
613	Changes in foliar nitrogen resorption of <i>Phyllostachys edulis</i> with culm development. Journal of Forestry Research, 2019, 30, 417-427.	1.7	0
614	How geomorphic context governs the influence of wildfire on floodplain organic carbon in fire-prone environments of the western United States. Earth Surface Processes and Landforms, 2020, 45, 38-55.	1.2	5
615	How eddy covariance flux measurements have contributed to our understanding of <i>Global Change Biology</i> . Global Change Biology, 2020, 26, 242-260.	4.2	216
616	Partitioning between atmospheric deposition and canopy microbial nitrification into throughfall nitrate fluxes in a Mediterranean forest. Journal of Ecology, 2020, 108, 626-640.	1.9	20
617	Soil biodiversity and biogeochemical function in managed ecosystems. Soil Research, 2020, 58, 1.	0.6	28
618	The Net Landscape Carbon Balance—Integrating terrestrial and aquatic carbon fluxes in a managed boreal forest landscape in Sweden. Global Change Biology, 2020, 26, 2353-2367.	4.2	28

#	ARTICLE	IF	CITATIONS
619	Long-term impact of nitrogen fertilization on carbon and water fluxes in a Douglas-fir stand in the Pacific Northwest. <i>Forest Ecology and Management</i> , 2020, 455, 117645.	1.4	9
620	Directed seed dispersal: The case of howler monkey latrines. <i>Perspectives in Plant Ecology, Evolution and Systematics</i> , 2020, 42, 125509.	1.1	5
621	Soil GHG fluxes are altered by N deposition: New data indicate lower N stimulation of the N ₂ O flux and greater stimulation of the calculated C pools. <i>Global Change Biology</i> , 2020, 26, 2613-2629.	4.2	115
622	New forest biomass carbon stock estimates in Northeast Asia based on multisource data. <i>Global Change Biology</i> , 2020, 26, 7045-7066.	4.2	20
623	Short-lived climate forcers have long-term climate impacts via the carbon-climate feedback. <i>Nature Climate Change</i> , 2020, 10, 851-855.	8.1	31
624	The Carbon Cycle of Terrestrial Ecosystems. , 2020, , 141-182.		4
625	Biogeochemical Cycling on Land. , 2020, , 183-248.		2
626	Spatio-temporal analysis of the human footprint in the Hengduan Mountain region: Assessing the effectiveness of nature reserves in reducing human impacts. <i>Journal of Chinese Geography</i> , 2020, 30, 1140-1154.	1.5	11
627	Climate and atmospheric deposition effects on forest water-use efficiency and nitrogen availability across Britain. <i>Scientific Reports</i> , 2020, 10, 12418.	1.6	18
628	Slow demography and limited dispersal constrain the expansion of north-eastern temperate forests under climate change. <i>Journal of Biogeography</i> , 2020, 47, 2645-2656.	1.4	5
629	Regional coupled C-N-H ₂ O cycle processes and associated driving mechanisms. <i>Science China Earth Sciences</i> , 2020, 63, 1227-1236.	2.3	15
630	Assessing Temperate Forest Growth and Climate Sensitivity in Response to a Long-Term Whole-Watershed Acidification Experiment. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2020, 125, e2019JG005560.	1.3	5
631	Carbon stock in Japanese forests has been greatly underestimated. <i>Scientific Reports</i> , 2020, 10, 7895.	1.6	20
632	Long-term carbon flux and balance in managed and natural coastal forested wetlands of the Southeastern USA. <i>Agricultural and Forest Meteorology</i> , 2020, 288-289, 108022.	1.9	24
633	Ecological drivers of plant life-history traits: Assessment of seed mass and germination variation using climate cues and nitrogen resources in conifers. <i>Ecological Indicators</i> , 2020, 117, 106517.	2.6	6
634	Global response patterns of plant photosynthesis to nitrogen addition: A meta-analysis. <i>Global Change Biology</i> , 2020, 26, 3585-3600.	4.2	139
635	Low and High Nitrogen Deposition Rates in Northern Coniferous Forests Have Different Impacts on Aboveground Litter Production, Soil Respiration, and Soil Carbon Stocks. <i>Ecosystems</i> , 2020, 23, 1423-1436.	1.6	33
636	Nitrogen addition increased CO ₂ uptake more than non-CO ₂ greenhouse gases emissions in a Moso bamboo forest. <i>Science Advances</i> , 2020, 6, eaaw5790.	4.7	60

#	ARTICLE	IF	CITATIONS
637	Global pattern and drivers of nitrogen saturation threshold of grassland productivity. <i>Functional Ecology</i> , 2020, 34, 1979-1990.	1.7	29
638	Estimating canopy gross primary production by combining phloem stable isotopes with canopy and mesophyll conductances. <i>Plant, Cell and Environment</i> , 2020, 43, 2124-2142.	2.8	11
639	Persistent anthropogenic legacies structure depth dependence of regenerating rooting systems and their functions. <i>Biogeochemistry</i> , 2020, 147, 259-275.	1.7	10
640	Levels and variations of soil organic carbon and total nitrogen among forests in a hotspot region of high nitrogen deposition. <i>Science of the Total Environment</i> , 2020, 713, 136620.	3.9	12
641	Nitrogen fertilization changes the molecular composition of soil organic matter in a subtropical plantation forest. <i>Soil Science Society of America Journal</i> , 2020, 84, 68-81.	1.2	2
642	Thinning drives C:N:P stoichiometry and nutrient resorption in <i>Larix principis-rupprechtii</i> plantations in North China. <i>Forest Ecology and Management</i> , 2020, 462, 117984.	1.4	34
643	Influence of polarized reflection on airborne remote sensing of canopy foliar nitrogen content. <i>International Journal of Remote Sensing</i> , 2020, 41, 4879-4900.	1.3	7
644	Nonlinear responses of total belowground carbon flux and its components to increased nitrogen availability in temperate forests. <i>Science of the Total Environment</i> , 2020, 715, 136954.	3.9	4
645	Nitrogen Use Efficiency for Growth of <i>Fagus crenata</i> Seedlings Under Elevated Ozone and Different Soil Nutrient Conditions. <i>Forests</i> , 2020, 11, 371.	0.9	3
646	Carbon–nitrogen interactions in European forests and semi-natural vegetation – Part 1: Fluxes and budgets of carbon, nitrogen and greenhouse gases from ecosystem monitoring and modelling. <i>Biogeosciences</i> , 2020, 17, 1583-1620.	1.3	21
647	Carbon–nitrogen interactions in European forests and semi-natural vegetation – Part 2: Untangling climatic, edaphic, management and nitrogen deposition effects on carbon sequestration potentials. <i>Biogeosciences</i> , 2020, 17, 1621-1654.	1.3	18
648	Air pollution could drive global dissemination of antibiotic resistance genes. <i>ISME Journal</i> , 2021, 15, 270-281.	4.4	95
649	Landscape changes and their hydrologic effects: Interactions and feedbacks across scales. <i>Earth-Science Reviews</i> , 2021, 212, 103466.	4.0	27
650	Drivers of carbon stocks in forest edges across Europe. <i>Science of the Total Environment</i> , 2021, 759, 143497.	3.9	25
651	Increased tree growth following long-term optimised fertiliser application indirectly alters soil properties in a boreal forest. <i>European Journal of Forest Research</i> , 2021, 140, 241-254.	1.1	2
652	Impacts of Canopy and Understory Nitrogen Additions on Stomatal Conductance and Carbon Assimilation of Dominant Tree Species in a Temperate Broadleaved Deciduous Forest. <i>Ecosystems</i> , 2021, 24, 1468-1484.	1.6	5
653	Global trends in land-atmosphere CO ₂ exchange fluxes: an analysis of a flux measurement dataset and comparison with terrestrial model simulations. <i>J Agricultural Meteorology</i> , 2021, 77, .	0.8	0
654	Effects of climate change and local environmental factors on long-term tree water-use efficiency and growth of <i>Pseudolarix amabilis</i> and <i>Cryptomeria japonica</i> in subtropical China. <i>Journal of Soils and Sediments</i> , 2021, 21, 869-880.	1.5	4

#	ARTICLE	IF	CITATIONS
655	Role of photosynthesis and stomatal conductance on the long-term rising of intrinsic water use efficiency in dominant trees in three old-growth forests in Bosnia-Herzegovina and Montenegro. <i>IForest</i> , 2021, 14, 53-60.	0.5	2
656	Impact of Vegetation Physiology and Phenology on Watershed Hydrology in a Semiarid Watershed in the Pacific Northwest in a Changing Climate. <i>Water Resources Research</i> , 2021, 57, e2020WR028394.	1.7	6
657	Reply to: Old-growth forest carbon sinks overestimated. <i>Nature</i> , 2021, 591, E24-E25.	13.7	14
658	A design-based assessment of an expanded set of auxiliary information for forest growth estimation. <i>Canadian Journal of Forest Research</i> , 0, , .	0.8	1
659	Policy assessments for the carbon emission flows and sustainability of Bitcoin blockchain operation in China. <i>Nature Communications</i> , 2021, 12, 1938.	5.8	96
660	Nitrogen deposition accelerates soil carbon sequestration in tropical forests. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	120
661	Heterotrophic Respiration and the Divergence of Productivity and Carbon Sequestration. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL092366.	1.5	4
662	Nitrogen addition stimulates soil aggregation and enhances carbon storage in terrestrial ecosystems of China: A meta-analysis. <i>Global Change Biology</i> , 2021, 27, 2780-2792.	4.2	83
663	Carbon cycling in mature and regrowth forests globally. <i>Environmental Research Letters</i> , 2021, 16, 053009.	2.2	41
664	How Nitrogen and Phosphorus Availability Change Water Use Efficiency in a Mediterranean Savanna Ecosystem. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2021, 126, e2020JG006005.	1.3	13
665	Soil Fungal Community Structure in Boreal Pine Forests: From Southern to Subarctic Areas of Finland. <i>Frontiers in Microbiology</i> , 2021, 12, 653896.	1.5	16
666	Disaggregating the effects of nitrogen addition on gross primary production in a boreal Scots pine forest. <i>Agricultural and Forest Meteorology</i> , 2021, 301-302, 108337.	1.9	8
667	A Modeling Application for GHG Fluxes Estimates in Betel Nuts Plantations in Taiwan. <i>Processes</i> , 2021, 9, 895.	1.3	0
668	Assessing the synergistic value of ecosystem services in European beech forests. <i>Ecosystem Services</i> , 2021, 49, 101264.	2.3	12
669	Long-term nitrogen addition further increased carbon sequestration in a boreal forest. <i>European Journal of Forest Research</i> , 2021, 140, 1113-1126.	1.1	7
670	The effects of nitrogen addition on soil organic carbon decomposition and microbial C-degradation functional genes abundance in a <i>Pinus tabulaeformis</i> forest. <i>Forest Ecology and Management</i> , 2021, 489, 119098.	1.4	30
671	Forest management to increase carbon sequestration in boreal <i>Pinus sylvestris</i> forests. <i>Plant and Soil</i> , 2021, 466, 165-178.	1.8	22
672	Effect of atmospheric nitrogen deposition and its components on carbon flux in terrestrial ecosystems in China. <i>Environmental Research</i> , 2021, 202, 111787.	3.7	6

#	ARTICLE	IF	CITATIONS
673	Disentangling the Impacts of Anthropogenic Aerosols on Terrestrial Carbon Cycle During 1850–2014. <i>Earth's Future</i> , 2021, 9, e2021EF002035.	2.4	11
674	Impacts of the National Forest Rehabilitation Plan and Human-Induced Environmental Changes on the Carbon and Nitrogen Balances of the South Korean Forests. <i>Forests</i> , 2021, 12, 1150.	0.9	2
675	Canopy Exchange and Modification of Nitrogen Fluxes in Forest Ecosystems. <i>Current Forestry Reports</i> , 2021, 7, 115-137.	3.4	10
676	Comparison of the carbon, water, and energy balances of mature stand and clear-fell stages in a British Sitka spruce forest and the impact of the 2018 drought. <i>Agricultural and Forest Meteorology</i> , 2021, 306, 108437.	1.9	7
677	Potential relationships of selected abiotic variables, chemical elements and stand characteristics with soil organic carbon in spruce and beech stands. <i>IForest</i> , 2021, 14, 320-328.	0.5	2
680	Temperature effects on L-band vegetation optical depth of a boreal forest. <i>Remote Sensing of Environment</i> , 2021, 263, 112542.	4.6	12
681	Changes of Soil Organic Carbon after Wildfire in a Boreal Forest, Northeast CHINA. <i>Agronomy</i> , 2021, 11, 1925.	1.3	9
682	Using the International Tree-Ring Data Bank (ITRDB) records as century-long benchmarks for global land-surface models. <i>Geoscientific Model Development</i> , 2021, 14, 5891-5913.	1.3	6
683	Long-term effects of nitrogen deposition on carbon assimilation characteristics in the past three decades in a typical subtropical watershed. <i>Agricultural and Forest Meteorology</i> , 2021, 308-309, 108561.	1.9	0
684	Rainfall stimulates large carbon dioxide emission during growing season in a forest wetland catchment. <i>Journal of Hydrology</i> , 2021, 602, 126892.	2.3	5
685	Atmospheric deposition of inorganic nutrients to the Western North Pacific Ocean. <i>Science of the Total Environment</i> , 2021, 793, 148401.	3.9	14
686	Estimation of the relative contributions of forest areal expansion and growth to China's forest stand biomass carbon sequestration from 1977 to 2018. <i>Journal of Environmental Management</i> , 2021, 300, 113757.	3.8	16
687	Spatial patterns of global-scale forest root-shoot ratio and their controlling factors. <i>Science of the Total Environment</i> , 2021, 800, 149251.	3.9	9
689	Temporal Dynamics. , 2011, , 339-367.		5
690	Landscape Heterogeneity and Ecosystem Dynamics. , 2011, , 369-397.		14
691	Environmental Impacts—Coastal Ecosystems, Birds and Forests. <i>Regional Climate Studies</i> , 2015, , 291-306.	1.2	2
692	Abiotic Conditions, Flora, Ecosystem Functions and Recent Human Influence. , 2017, , 119-347.		2
693	Human—Polar Bear Interactions in a Changing Arctic: Existing and Emerging Concerns. <i>Animal Welfare</i> , 2017, , 397-418.	1.0	39

#	ARTICLE	IF	CITATIONS
694	Ecophysiological Characteristics of Mature Trees and Stands - Consequences for Old-Growth Forest Productivity. <i>Ecological Studies</i> , 2009, , 57-79.	0.4	24
695	Carbon Sequestration. , 2013, , 415-455.		3
696	Sources of uncertainty in global modelling of future soil organic carbon storage. <i>NATO Science for Peace and Security Series C: Environmental Security</i> , 2009, , 283-315.	0.1	15
697	Effects of Disturbance, Succession and Management on Carbon Sequestration. , 2010, , 103-157.		5
698	Nutrient and Water Limitations on Carbon Sequestration in Forests. , 2010, , 207-239.		2
699	Forests. , 2011, , 121-156.		1
700	Ecosystems. , 2011, , 139-229.		2
701	The Cycling of Pollutants in Nonurban Forested Environments. <i>Ecological Studies</i> , 2011, , 679-710.	0.4	2
702	Patterns and trends of topsoil carbon in the UK: Complex interactions of land use change, climate and pollution. <i>Science of the Total Environment</i> , 2020, 729, 138330.	3.9	14
703	The Impact of Nitrogen Enrichment on Ecosystems and Their Services. , 2012, , 256-269.		8
706	Forest Management and Climate Change: Adaptive Measures for the Temperateâ€“Boreal Interface of Eastern North America. <i>Applied Ecology and Environmental Management</i> , 2015, , 561-587.	0.1	1
707	Fungi Unearthed: Transcripts Encoding Lignocellulolytic and Chitinolytic Enzymes in Forest Soil. <i>PLoS ONE</i> , 2010, 5, e10971.	1.1	86
708	Nutrient Limitation in Three Lowland Tropical Forests in Southern China Receiving High Nitrogen Deposition: Insights from Fine Root Responses to Nutrient Additions. <i>PLoS ONE</i> , 2013, 8, e82661.	1.1	44
709	Sinks for Inorganic Nitrogen Deposition in Forest Ecosystems with Low and High Nitrogen Deposition in China. <i>PLoS ONE</i> , 2014, 9, e89322.	1.1	25
710	Roles of Climate, Vegetation and Soil in Regulating the Spatial Variations in Ecosystem Carbon Dioxide Fluxes in the Northern Hemisphere. <i>PLoS ONE</i> , 2015, 10, e0125265.	1.1	20
711	Photosynthesis of ground vegetation in boreal Scots pine forests. <i>Dissertationes Forestales</i> , 2011, 2011, .	0.1	2
712	UV-induced NO ₂ emissions in gas-exchange chambers enclosing Scots pine shoots: an analysis on their origin and significance. <i>Dissertationes Forestales</i> , 2008, 2008, .	0.1	2
713	Disturbance in boreal spruce forest â€“ immediate dynamics from stand to understorey level. <i>Dissertationes Forestales</i> , 2008, 2008, .	0.1	1

#	ARTICLE	IF	CITATIONS
714	Carbon balance and component CO ₂ fluxes in boreal Scots pine stands. <i>Dissertationes Forestales</i> , 2010, 2010, .	0.1	9
715	PRODUCTION OF CELLULASES AND XYLANASE FROM BACILLUS SUBTILIS MU S1 ISOLATED FROM PROTECTED AREAS OF MUNNAR WILDLIFE DIVISION. <i>Journal of Microbiology, Biotechnology and Food Sciences</i> , 2016, 5, 500-504.	0.4	9
717	Decadal Variability in the Terrestrial Carbon Budget Caused by the Pacific Decadal Oscillation and Atlantic Multidecadal Oscillation. <i>Journal of the Meteorological Society of Japan</i> , 2011, 89, 441-454.	0.7	12
718	Climate change impacts on growth and carbon balance of forests in Central Europe. <i>Climate Research</i> , 2011, 47, 219-236.	0.4	91
719	Modelling the impact of climate change on the productivity and water-use efficiency of a central European beech forest. <i>Climate Research</i> , 2013, 58, 81-95.	0.4	28
720	Tree Growth and Water-Use Efficiency Do Not React in the Short Term to Artificially Increased Nitrogen Deposition. <i>Forests</i> , 2020, 11, 47.	0.9	6
723	An approach to estimate carbon stocks change in forest carbon pools under the UNFCCC: the Italian case. <i>IForest</i> , 2008, 1, 86-95.	0.5	65
724	Responses of European forest ecosystems to 21st century climate: assessing changes in interannual variability and fire intensity. <i>IForest</i> , 2011, 4, 82-99.	0.5	78
725	Disentangling the effects of age and global change on Douglas fir growth. <i>IForest</i> , 2019, 12, 246-253.	0.5	5
726	Impact of a Low Severity Fire on Soil Organic Carbon and Nitrogen Characteristics in Japanese Cedar Soil, Yamagata Prefecture, Japan. <i>Open Journal of Forestry</i> , 2017, 07, 270-284.	0.1	3
727	Les services écosystémiques des forêts et leur rémunération éventuelle. <i>Revue Forestière Française</i> , 2011, . .	0.0	2
756	Effects of N addition on soil organic carbon components in an alpine meadow on the eastern Qinghai-Tibetan Plateau. <i>Acta Ecologica Sinica</i> , 2012, 32, 5363-5372.	0.0	2
757	Role of Soil Nitrogen for the Conifers of the Boreal Forest: A Critical Review. <i>International Journal of Plant & Soil Science</i> , 2013, 2, 155-189.	0.2	31
758	Natural disturbance impacts on trade-offs and co-benefits of forest biodiversity and carbon. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2021, 288, 20211631.	1.2	19
759	Biogeochemical limitations of carbon stabilization in forest subsoils. <i>Journal of Plant Nutrition and Soil Science</i> , 2022, 185, 35-43.	1.1	7
760	Experimental evidence shows minor contribution of nitrogen deposition to global forest carbon sequestration. <i>Global Change Biology</i> , 2022, 28, 899-917.	4.2	40
761	A carbon-budget approach shows that reduced decomposition causes the nitrogen-induced increase in soil carbon in a boreal forest. <i>Forest Ecology and Management</i> , 2021, 502, 119750.	1.4	9
764	Soil carbon modelling as a tool for carbon balance studies in forestry. <i>Dissertationes Forestales</i> , 2008, 2008, .	0.1	2

#	ARTICLE	IF	CITATIONS
768	Quantifying Terrestrial Ecosystem Carbon Dynamics in the Upper Yangtze Basin from 1975 to 2000. , 2009, , 99-112.		0
769	L'ecologia globale delle foreste. L Italia Forestale E Montana, 2009, , 149-163.	0.0	0
771	Increased biomass harvesting for bioenergy. TemaNord, 2009, , .	1.3	10
784	Forest Carbon Sequestration and Global Change. , 2016, , 39-86.		0
785	Carbon Sequestration: Urban Ecosystems. , 2017, , 307-314.		0
786	Combined Effects of Ozone and Other Environmental Factors on Japanese Trees. , 2017, , 101-110.		2
788	Approaches to Study Terrestrial Ecosystems. , 2019, , 481-511.		0
789	Biogeochemical Fluxes in Terrestrial Ecosystems. , 2019, , 529-577.		0
790	Nitrogen Oxides under the Urban Forest Crown Cover: Migration, Transformation, Real and Possible Environmental Consequences. Safety in Technosphere, 2018, 7, 6-12.	0.1	0
791	Forest Carbon Sequestration and Global Change. , 2018, , 39-86.		0
792	Boreale WÄlder und Moorgebiete. , 2019, , 117-181.		0
793	Short-term effect of adding nitrogen in forest soil of an urban rainforest. Sustentabilidade Em Debate, 2020, 11, 252-265.	0.4	0
794	Can tree-ring chemistry be used to monitor atmospheric nanoparticle contamination over time?. Atmospheric Environment, 2022, 268, 118781.	1.9	18
797	Changes in soil total, microbial and enzymatic C-N-P contents and stoichiometry with depth and latitude in forest ecosystems. Science of the Total Environment, 2022, 816, 151583.	3.9	29
798	Bottom-up effects of woodland eutrophication: Interacting limiting nutrients determine herbivory frequency in northwestern Patagonia. Science of the Total Environment, 2022, 816, 151608.	3.9	1
799	A bibliometric analysis of carbon exchange in global drylands. Journal of Arid Land, 2021, 13, 1089-1102.	0.9	3
800	Response of Pinus tabuliformis saplings to continuous autumn fertilization treatments in the mountains of Eastern Liaoning Province, China. PeerJ, 2022, 10, e12853.	0.9	0
801	Forestâ€“atmosphere exchange of reactive nitrogen in a remote regionâ€“ PartÂˆ: Measuring temporal dynamics. Biogeosciences, 2022, 19, 389-413.	1.3	4

#	ARTICLE	IF	CITATIONS
802	Does growing atmospheric CO ₂ explain increasing carbon sink in a boreal coniferous forest?. <i>Global Change Biology</i> , 2022, 28, 2910-2929.	4.2	23
803	Multiple Gap-Filling for Eddy Covariance Datasets. <i>SSRN Electronic Journal</i> , 0, , .	0.4	1
804	Impact of nitrogen input from biosolids application on carbon sequestration in a <i>Pinus radiata</i> forest. <i>Forest Ecosystems</i> , 2022, 9, 100020.	1.3	1
805	Nitrogen and Phosphorus Additions Impact Stability of Soil Organic Carbon and Nitrogen in Subtropical Evergreen Broad-Leaved Forest. <i>Eurasian Soil Science</i> , 2022, 55, 425-436.	0.5	5
806	Relationship between soil bacterial communities and dissolved organic matter in a subtropical <i>Pinus taiwanensis</i> forest after short-term nitrogen addition. <i>Forest Ecology and Management</i> , 2022, 512, 120165.	1.4	5
807	Active forest management accelerates carbon storage in plantation forests in Lishui, southern China. <i>Forest Ecosystems</i> , 2022, 9, 100004.	1.3	24
808	Effects of Nitrogen Deposition on Forest Ecosystems. , 2022, , 1-23.		2
809	Carbon cycleâ€œclimate feedbacks. , 0, , 489-519.		0
812	Soil CO ₂ efflux variability influenced by different factors in the subtropical sacred groves of Manipur, North-East India. <i>Tropical Ecology</i> , 2022, 63, 650-663.	0.6	1
813	A review of planting principles to identify the right place for the right tree for â€œnet zero plusâ€™™ woodlands: Applying a placeâ€œbased natural capital framework for sustainable, efficient and equitable (<sc>SEE</sc>) decisions. <i>People and Nature</i> , 2023, 5, 271-301.	1.7	8
814	Shifting Forests and Carbon: Linking Community Composition and Aboveground Carbon Attributes. <i>Ecosystems</i> , 2023, 26, 412-427.	1.6	1
815	High Level of Ammonium Nitrogen Increases Net Ecosystem Productivity in a <i>Quercus liaotungensis</i> Forest in Northern China. <i>Atmosphere</i> , 2022, 13, 889.	1.0	2
816	Uncertainties of soil organic carbon stock estimation caused by paleoclimate and human footprint on the Qinghai Plateau. <i>Carbon Balance and Management</i> , 2022, 17, .	1.4	6
817	Assessment and current dynamics of nutrients with reference to nitrogen attributes in subalpine forests of Western Himalaya, India. <i>Environmental Monitoring and Assessment</i> , 2022, 194, .	1.3	1
818	Disentangling effects of natural and anthropogenic drivers on forest net ecosystem production. <i>Science of the Total Environment</i> , 2022, 839, 156326.	3.9	9
819	Massive warming-induced carbon loss from subalpine grassland soils in an altitudinal transplantation experiment. <i>Biogeosciences</i> , 2022, 19, 2921-2937.	1.3	6
820	Trend Changes of the Vegetation Activity in Northeastern East Asia and the Connections with Extreme Climate Indices. <i>Remote Sensing</i> , 2022, 14, 3151.	1.8	8
821	Future Projection of CO ₂ Absorption and N ₂ O Emissions of the South Korean Forests under Climate Change Scenarios: Toward Net-Zero CO ₂ Emissions by 2050 and Beyond. <i>Forests</i> , 2022, 13, 1076.	0.9	3

#	ARTICLE	IF	CITATIONS
822	Carbon Sequestration: An Approach to Sustainable Environment. , 2022, , 425-444.		1
823	Size-Resolved Fluorescence Underscores Negligible Interaction of Dissolved Organic Matter During Conservative Mixing in a Large Boreal River. <i>Frontiers in Environmental Chemistry</i> , 0, 3, .	0.7	1
824	Harvesting Intensity and Aridity Are More Important Than Climate Change in Affecting Future Carbon Stocks of Douglas-Fir Forests. <i>Frontiers in Forests and Global Change</i> , 0, 5, .	1.0	0
825	Long-term nitrogen addition raises the annual carbon sink of a boreal forest to a new steady-state. <i>Agricultural and Forest Meteorology</i> , 2022, 324, 109112.	1.9	6
826	Multiple gap-filling for eddy covariance datasets. <i>Agricultural and Forest Meteorology</i> , 2022, 325, 109114.	1.9	5
827	Aerosol in the Earth system. , 2022, , 53-99.		0
828	The use of stable carbon isotopes to decipher global change effects on soil organic carbon: present status, limitations, and future prospects. <i>Biogeochemistry</i> , 2022, 160, 315-354.	1.7	3
829	Inorganic Nitrogen-Containing Aerosol Deposition Caused “Excessive Photosynthesis” of Herbs, Resulting in Increased Nitrogen Demand. <i>Plants</i> , 2022, 11, 2225.	1.6	1
830	Analyzing the Spatiotemporal Patterns of Forests Carbon Sink and Sources Between 2000 and 2019. <i>Earth's Future</i> , 2022, 10, .	2.4	3
831	Using the atmospheric CO_2 growth rate to constrain the CO_2 flux from land use and land cover change since 1900. <i>Global Change Biology</i> , 2022, 28, 7327-7339.	4.2	3
832	Advances in Forest Management Research in the Context of Carbon Neutrality: A Bibliometric Analysis. <i>Forests</i> , 2022, 13, 1810.	0.9	4
833	Atmospheric phosphorus deposition amplifies carbon sinks in simulations of a tropical forest in Central Africa. <i>New Phytologist</i> , 2023, 237, 2054-2068.	3.5	4
834	Assessment of carbon balance attribution and carbon storage potential in China's terrestrial ecosystem. <i>Resources, Conservation and Recycling</i> , 2023, 189, 106748.	5.3	21
835	Essential Role of Forest Fires in Humic Acids Structure and Composition Alteration. <i>Agronomy</i> , 2022, 12, 2910.	1.3	3
836	Microbial Metabolic Quotient is a Dynamic Indicator of Soil Health: Trends, Implications and Perspectives (Review). <i>Eurasian Soil Science</i> , 2022, 55, 1794-1803.	0.5	8
837	Patterns and controlling factors of soil carbon sequestration in nitrogen-limited and -rich forests in China—a meta-analysis. <i>PeerJ</i> , 0, 11, e14694.	0.9	2
838	From source to sink “ recovery of the carbon balance in young forests. <i>Agricultural and Forest Meteorology</i> , 2023, 330, 109290.	1.9	12
839	Dynamic carbon-nitrogen coupling under global change. <i>Science China Life Sciences</i> , 2023, 66, 771-782.	2.3	16

#	ARTICLE	IF	CITATIONS
840	Atmospheric ammonia deposition and its role in a cool-temperate fragmented deciduous broad-leaved forest. <i>Atmospheric Environment</i> , 2023, 298, 119640.	1.9	1
841	Variability of Atmospheric CO ₂ Over the Arctic Ocean: Insights From the Oâ€Buoy Chemical Observing Network. <i>Journal of Geophysical Research D: Atmospheres</i> , 2023, 128, .	1.2	1
842	Above-ground tree carbon storage in response to nitrogen deposition in the U.S. is heterogeneous and may have weakened. <i>Communications Earth & Environment</i> , 2023, 4, .	2.6	5
843	Soil organic carbon regulation from chemistry in top- but microbial community in subsoil in eastern coastal China poplar plantations. <i>Frontiers in Forests and Global Change</i> , 0, 6, .	1.0	0
844	Canopy 15N fertilization increases short-term plant N retention compared to ground fertilization in an oak forest. <i>Forest Ecology and Management</i> , 2023, 539, 121001.	1.4	1
853	Effects of Nitrogen Deposition on Forest Ecosystems. , 2023, , 923-945.		0
856	Impacts of nitrogen deposition on forest productivity and carbon sequestration. , 2024, , 59-76.		0
859	Responses of forest ecosystems to nitrogen deposition in the United Kingdom. , 2024, , 183-203.		0
860	Assessing nitrogen deposition and its impacts on forest ecosystems. , 2024, , 273-282.		0