

Han Y H Chen

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

381
papers

13,691
citations

61
h-index

99
g-index

414
ext. papers

17,417
ext. citations

5.4
avg, IF

7.28
L-index

#	Paper	IF	Citations
381	Positive biodiversity-productivity relationship predominant in global forests. <i>Science</i> , 2016 , 354,	33.3	593
380	Forest productivity increases with evenness, species richness and trait variation: a global meta-analysis. <i>Journal of Ecology</i> , 2012 , 100, 742-749	6	457
379	Fine Root Biomass, Production, Turnover Rates, and Nutrient Contents in Boreal Forest Ecosystems in Relation to Species, Climate, Fertility, and Stand Age: Literature Review and Meta-Analyses. <i>Critical Reviews in Plant Sciences</i> , 2010 , 29, 204-221	5.6	293
378	Dynamics of North American boreal mixedwoods. <i>Environmental Reviews</i> , 2002 , 10, 137-166	4.5	270
377	Understory Vegetation Dynamics of North American Boreal Forests. <i>Critical Reviews in Plant Sciences</i> , 2006 , 25, 381-397	5.6	251
376	Decoupling of nitrogen and phosphorus in terrestrial plants associated with global changes. <i>Nature Climate Change</i> , 2015 , 5, 465-469	21.4	213
375	Global negative effects of nitrogen deposition on soil microbes. <i>ISME Journal</i> , 2018 , 12, 1817-1825	11.9	213
374	Climatic controls of decomposition drive the global biogeography of forest-tree symbioses. <i>Nature</i> , 2019 , 569, 404-408	50.4	203
373	Global-scale patterns of nutrient resorption associated with latitude, temperature and precipitation. <i>Global Ecology and Biogeography</i> , 2009 , 18, 11-18	6.1	175
372	Global trends in senesced-leaf nitrogen and phosphorus. <i>Global Ecology and Biogeography</i> , 2009 , 18, 532-542	6.1	175
371	FIRE, LOGGING, AND OVERSTORY AFFECT UNDERSTORY ABUNDANCE, DIVERSITY, AND COMPOSITION IN BOREAL FOREST. <i>Ecological Monographs</i> , 2008 , 78, 123-140	9	173
370	Biomass offsets little or none of permafrost carbon release from soils, streams, and wildfire: an expert assessment. <i>Environmental Research Letters</i> , 2016 , 11, 034014	6.2	165
369	Biodiversity and ecosystem functioning relations in European forests depend on environmental context. <i>Ecology Letters</i> , 2017 , 20, 1414-1426	10	149
368	Is understory plant species diversity driven by resource quantity or resource heterogeneity?. <i>Ecology</i> , 2010 , 91, 1931-8	4.6	147
367	Global-scale latitudinal patterns of plant fine-root nitrogen and phosphorus. <i>Nature Communications</i> , 2011 , 2, 344	17.4	145
366	A novel comparative research platform designed to determine the functional significance of tree species diversity in European forests. <i>Perspectives in Plant Ecology, Evolution and Systematics</i> , 2013 , 15, 281-291	3	143
365	Negative effects of fertilization on plant nutrient resorption. <i>Ecology</i> , 2015 , 96, 373-80	4.6	142

364	Tree species diversity increases fine root productivity through increased soil volume filling. <i>Journal of Ecology</i> , 2013 , 101, 210-219	6	137
363	Biotic homogenization can decrease landscape-scale forest multifunctionality. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 3557-62	11.5	134
362	Differences in fine root productivity between mixed- and single-species stands. <i>Functional Ecology</i> , 2011 , 25, 238-246	5.6	133
361	Stand Structural Dynamics of North American Boreal Forests. <i>Critical Reviews in Plant Sciences</i> , 2006 , 25, 115-137	5.6	131
360	Individual size inequality links forest diversity and above-ground biomass. <i>Journal of Ecology</i> , 2015 , 103, 1245-1252	6	125
359	Effects of light on growth, crown architecture, and specific leaf area for naturally established <i>Pinus contorta</i> var. <i>latifolia</i> and <i>Pseudotsugamenziesii</i> var. <i>glauca</i> saplings. <i>Canadian Journal of Forest Research</i> , 1996 , 26, 1149-1157	1.9	121
358	Jack-of-all-trades effects drive biodiversity-ecosystem multifunctionality relationships in European forests. <i>Nature Communications</i> , 2016 , 7, 11109	17.4	120
357	Estimation of future precipitation change in the Yangtze River basin by using statistical downscaling method. <i>Stochastic Environmental Research and Risk Assessment</i> , 2011 , 25, 781-792	3.5	118
356	Patterns and Mechanisms of Nutrient Resorption in Plants. <i>Critical Reviews in Plant Sciences</i> , 2015 , 34, 471-486	5.6	116
355	Influence of Environmental Variability on Root Dynamics in Northern Forests. <i>Critical Reviews in Plant Sciences</i> , 2009 , 28, 179-197	5.6	116
354	How Forest Management affects Ecosystem Services, including Timber Production and Economic Return: Synergies and Trade-Offs. <i>Ecology and Society</i> , 2012 , 17,	4.1	113
353	A comparative study of landslide susceptibility maps using logistic regression, frequency ratio, decision tree, weights of evidence and artificial neural network. <i>Geosciences Journal</i> , 2016 , 20, 117-136	1.4	111
352	Effects of natural resource development on the terrestrial biodiversity of Canadian boreal forests. <i>Environmental Reviews</i> , 2014 , 22, 457-490	4.5	108
351	Changes in nutrient concentrations of leaves and roots in response to global change factors. <i>Global Change Biology</i> , 2017 , 23, 3849-3856	11.4	106
350	Microbes drive global soil nitrogen mineralization and availability. <i>Global Change Biology</i> , 2019 , 25, 1078-1088	11.4	103
349	A global analysis of fine root production as affected by soil nitrogen and phosphorus. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2012 , 279, 3796-802	4.4	99
348	Multiple successional pathways of boreal forest stands in central Canada. <i>Ecography</i> , 2011 , 34, 208-219	6.5	94
347	Effects of thinning and soil properties on accumulation of carbon, nitrogen and phosphorus in the forest floor of Norway spruce stands. <i>Forest Ecology and Management</i> , 1995 , 77, 1-10	3.9	94

346	Importance of mixedwoods for biodiversity conservation: Evidence for understory plants, songbirds, soil fauna, and ectomycorrhizae in northern forests. <i>Environmental Reviews</i> , 2011 , 19, 142-164	4.5	93
345	Trends in post-disturbance recovery rates of Canada's forests following wildfire and harvest. <i>Forest Ecology and Management</i> , 2016 , 361, 194-207	3.9	92
344	Plant invasion is associated with higher plant-soil nutrient concentrations in nutrient-poor environments. <i>Global Change Biology</i> , 2017 , 23, 1282-1291	11.4	91
343	Meta-analysis shows positive effects of plant diversity on microbial biomass and respiration. <i>Nature Communications</i> , 2019 , 10, 1332	17.4	89
342	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, 3675-84	11.4	89
341	Trembling aspen site index in relation to environmental measures of site quality at two spatial scales. <i>Canadian Journal of Forest Research</i> , 2002 , 32, 112-119	1.9	89
340	Effects of species diversity on fine root productivity in diverse ecosystems: a global meta-analysis. <i>Global Ecology and Biogeography</i> , 2016 , 25, 1387-1396	6.1	87
339	Interspecific responses of planted seedlings to light availability in interior British Columbia: survival, growth, allometric patterns, and specific leaf area. <i>Canadian Journal of Forest Research</i> , 1997 , 27, 1383-1393	1.9	85
338	Intrinsic and Extrinsic Controls of Fine Root Life Span. <i>Critical Reviews in Plant Sciences</i> , 2013 , 32, 151-163	3.6	83
337	Competition and facilitation between tree species change with stand development. <i>Oikos</i> , 2011 , 120, 1683-1695	4	81
336	Biodiversity as a solution to mitigate climate change impacts on the functioning of forest ecosystems. <i>Biological Reviews</i> , 2018 , 93, 439-456	13.5	80
335	Is Tree Species Diversity or Species Identity the More Important Driver of Soil Carbon Stocks, C/N Ratio, and pH?. <i>Ecosystems</i> , 2016 , 19, 645-660	3.9	80
334	Observations from old forests underestimate climate change effects on tree mortality. <i>Nature Communications</i> , 2013 , 4, 1655	17.4	78
333	Spatiotemporal Variations of Fire Frequency in Central Boreal Forest. <i>Ecosystems</i> , 2010 , 13, 1227-1238	3.9	78
332	Competition, species interaction and ageing control tree mortality in boreal forests. <i>Journal of Ecology</i> , 2011 , 99, 1470-1480	6	76
331	Positive species diversity and above-ground biomass relationships are ubiquitous across forest strata despite interference from overstorey trees. <i>Functional Ecology</i> , 2017 , 31, 419-426	5.6	74
330	Boreal mixedwood stand dynamics: ecological processes underlying multiple pathways. <i>Forestry Chronicle</i> , 2014 , 90, 202-213	1	72
329	Interactions between overstorey and understory vegetation along an overstorey compositional gradient. <i>Journal of Vegetation Science</i> , 2013 , 24, 543-552	3.1	72

328	Stand structural diversity rather than species diversity enhances aboveground carbon storage in secondary subtropical forests in Eastern China. <i>Biogeosciences</i> , 2016 , 13, 4627-4635	4.6	72
327	Tree species diversity affects decomposition through modified micro-environmental conditions across European forests. <i>New Phytologist</i> , 2017 , 214, 1281-1293	9.8	71
326	The effect of boreal forest composition on soil respiration is mediated through variations in soil temperature and C quality. <i>Soil Biology and Biochemistry</i> , 2012 , 53, 18-27	7.5	67
325	Fine root dynamics with stand development in the boreal forest. <i>Functional Ecology</i> , 2012 , 26, 991-998	5.6	64
324	Detection of trends in precipitation during 1960-2008 in Jiangxi province, southeast China. <i>Theoretical and Applied Climatology</i> , 2013 , 114, 237-251	3	64
323	Effects of time since stand-replacing fire and overstory composition on live-tree structural diversity in the boreal forest of central Canada. <i>Canadian Journal of Forest Research</i> , 2008 , 38, 52-62	1.9	64
322	Site index, site quality, and foliar nutrients of trembling aspen: relationships and predictions. <i>Canadian Journal of Forest Research</i> , 1998 , 28, 1743-1755	1.9	63
321	Climate change-associated trends in net biomass change are age dependent in western boreal forests of Canada. <i>Ecology Letters</i> , 2016 , 19, 1150-8	10	63
320	Climate change-associated tree mortality increases without decreasing water availability. <i>Ecology Letters</i> , 2015 , 18, 1207-1215	10	60
319	Global changes alter plant multi-element stoichiometric coupling. <i>New Phytologist</i> , 2019 , 221, 807-817	9.8	60
318	Plant defense against fungal pathogens by antagonistic fungi with Trichoderma in focus. <i>Microbial Pathogenesis</i> , 2019 , 129, 7-18	3.8	59
317	Soil C:N:P dynamics during secondary succession following fire in the boreal forest of central Canada. <i>Forest Ecology and Management</i> , 2016 , 369, 1-9	3.9	59
316	Response of Six Boreal Tree Species to Stand Replacing Fire and Clearcutting. <i>Ecosystems</i> , 2009 , 12, 820-829	3.9	57
315	Water scaling of ecosystem carbon cycle feedback to climate warming. <i>Science Advances</i> , 2019 , 5, eaav1121	11.3	56
314	Carbon storage in a chronosequence of red spruce (<i>Picea rubens</i>) forests in central Nova Scotia, Canada. <i>Canadian Journal of Forest Research</i> , 2007 , 37, 2260-2269	1.9	56
313	Stand age, fire and clearcutting affect soil organic carbon and aggregation of mineral soils in boreal forests. <i>Soil Biology and Biochemistry</i> , 2012 , 50, 149-157	7.5	55
312	Wildfire promotes broadleaves and species mixture in boreal forest. <i>Forest Ecology and Management</i> , 2009 , 257, 343-350	3.9	55
311	Effects of Forest Type and Disturbance on Diversity of Coarse Woody Debris in Boreal Forest. <i>Ecosystems</i> , 2008 , 11, 1078-1090	3.9	55

310	Soil microbial functional diversity and biomass as affected by different thinning intensities in a Chinese fir plantation. <i>Applied Soil Ecology</i> , 2015 , 92, 35-44	5	54
309	Soil labile organic carbon and carbon-cycle enzyme activities under different thinning intensities in Chinese fir plantations. <i>Applied Soil Ecology</i> , 2016 , 107, 162-169	5	54
308	Stability of Soil Carbon Stocks Varies with Forest Composition in the Canadian Boreal Biome. <i>Ecosystems</i> , 2013 , 16, 852-865	3.9	54
307	Are mixed-species stands more productive than single-species stands: an empirical test of three forest types in British Columbia and Alberta. <i>Canadian Journal of Forest Research</i> , 2003 , 33, 1227-1237	1.9	54
306	Are functional traits a good predictor of global change impacts on tree species abundance dynamics in a subtropical forest?. <i>Ecology Letters</i> , 2015 , 18, 1181-1189	10	53
305	Temporal changes in soil C-N-P stoichiometry over the past 60 years across subtropical China. <i>Global Change Biology</i> , 2018 , 24, 1308-1320	11.4	51
304	Comparative effects of sulfuric and nitric acid rain on litter decomposition and soil microbial community in subtropical plantation of Yangtze River Delta region. <i>Science of the Total Environment</i> , 2017 , 601-602, 669-678	10.2	51
303	Effects of land use change on the composition of soil microbial communities in a managed subtropical forest. <i>Forest Ecology and Management</i> , 2016 , 373, 93-99	3.9	51
302	Carbon dynamics of North American boreal forest after stand replacing wildfire and clearcut logging. <i>Journal of Forest Research</i> , 2011 , 16, 168-183	1.4	50
301	Spatial and temporal variations in rainfall erosivity during 1960-2005 in the Yangtze River basin. <i>Stochastic Environmental Research and Risk Assessment</i> , 2013 , 27, 337-351	3.5	49
300	Linking resource availability and heterogeneity to understorey species diversity through succession in boreal forest of Canada. <i>Journal of Ecology</i> , 2018 , 106, 1266-1276	6	48
299	Canopy gap disturbance and succession in trembling aspen dominated boreal forests in northeastern Ontario. <i>Canadian Journal of Forest Research</i> , 2005 , 35, 1942-1951	1.9	48
298	How long do trees take to reach breast height after fire in northeastern Ontario?. <i>Canadian Journal of Forest Research</i> , 2002 , 32, 1889-1892	1.9	48
297	Does species richness affect fine root biomass and production in young forest plantations?. <i>Oecologia</i> , 2015 , 177, 581-94	2.9	47
296	Mixed-species effect on tree aboveground carbon pools in the east-central boreal forests. <i>Canadian Journal of Forest Research</i> , 2010 , 40, 37-47	1.9	47
295	Continental mapping of forest ecosystem functions reveals a high but unrealised potential for forest multifunctionality. <i>Ecology Letters</i> , 2018 , 21, 31-42	10	47
294	Tree species functional group is a more important driver of soil properties than tree species diversity across major European forest types. <i>Functional Ecology</i> , 2017 , 31, 1153-1162	5.6	46
293	Global effects of plant litter alterations on soil CO ₂ to the atmosphere. <i>Global Change Biology</i> , 2018 , 24, 3462-3471	11.4	45

292	Aboveground productivity of western hemlock and western redcedar mixed-species stands in southern coastal British Columbia. <i>Forest Ecology and Management</i> , 2003 , 184, 55-64	3.9	45
291	Late-spring frost risk between 1959 and 2017 decreased in North America but increased in Europe and Asia. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 12192-12200	11.5	44
290	Effects of plant diversity on soil carbon in diverse ecosystems: a global meta-analysis. <i>Biological Reviews</i> , 2019 , 95, 167	13.5	44
289	Intercropping improves soil nutrient availability, soil enzyme activity and tea quantity and quality. <i>Applied Soil Ecology</i> , 2017 , 119, 171-178	5	43
288	Effects of species diversity on fine root productivity increase with stand development and associated mechanisms in a boreal forest. <i>Journal of Ecology</i> , 2017 , 105, 237-245	6	43
287	A test of ecological succession hypotheses using 55-year time-series data for 361 boreal forest stands. <i>Global Ecology and Biogeography</i> , 2012 , 21, 441-454	6.1	42
286	Light availability and photosynthesis of <i>Pseudotsuga menziesii</i> seedlings grown in the open and in the forest understory. <i>Tree Physiology</i> , 1997 , 17, 23-9	4.2	42
285	Soil aggregate-associated bacterial metabolic activity and community structure in different aged tea plantations. <i>Science of the Total Environment</i> , 2019 , 654, 1023-1032	10.2	41
284	Effects of sulfuric, nitric, and mixed acid rain on Chinese fir sapling growth in Southern China. <i>Ecotoxicology and Environmental Safety</i> , 2018 , 160, 154-161	7	41
283	Effects of arbuscular mycorrhizal fungi on the drought tolerance of <i>Cyclobalanopsis glauca</i> seedlings under greenhouse conditions. <i>New Forests</i> , 2014 , 45, 545-556	2.6	40
282	Tree-size diversity between single- and mixed-species stands in three forest types in western Canada. <i>Canadian Journal of Forest Research</i> , 2005 , 35, 593-601	1.9	40
281	Simulation of extreme precipitation indices in the Yangtze River basin by using statistical downscaling method (SDSM). <i>Theoretical and Applied Climatology</i> , 2012 , 108, 325-343	3	39
280	Effect of forest canopy composition on soil nutrients and dynamics of the understorey: mixed canopies serve neither vascular nor bryophyte strata. <i>Journal of Vegetation Science</i> , 2011 , 22, 1105-1119	3.1	39
279	The direct regeneration hypothesis in northern forests. <i>Journal of Vegetation Science</i> , 2009 , 20, 735-744	3.1	39
278	Soil enzyme activities increase following restoration of degraded subtropical forests. <i>Geoderma</i> , 2019 , 351, 180-187	6.7	38
277	Spatial and Temporal Variability of Precipitation and Dryness/Wetness During 1961-2008 in Sichuan Province, West China. <i>Water Resources Management</i> , 2014 , 28, 1655-1670	3.7	38
276	Coarse root biomass allometric equations for <i>Abies balsamea</i> , <i>Picea mariana</i> , <i>Pinus banksiana</i> , and <i>Populus tremuloides</i> in the boreal forest of Ontario, Canada. <i>Biomass and Bioenergy</i> , 2011 , 35, 4189-4196	5.3	38
275	Impacts of hydraulic redistribution on grass-tree competition vs facilitation in a semi-arid savanna. <i>New Phytologist</i> , 2017 , 215, 1451-1461	9.8	37

274	The Contribution of Litterfall to Net Primary Production During Secondary Succession in the Boreal Forest. <i>Ecosystems</i> , 2017 , 20, 830-844	3.9	37
273	Variation of the understory composition and diversity along a gradient of productivity in <i>Populus tremuloides</i> stands of northern British Columbia, Canada. <i>Canadian Journal of Botany</i> , 2004 , 82, 1314-1323		37
272	Climate change impacts on boreal forest timber supply. <i>Forest Policy and Economics</i> , 2018 , 92, 11-21	3.6	36
271	Responses of litter decomposition and nutrient release to N addition: A meta-analysis of terrestrial ecosystems. <i>Applied Soil Ecology</i> , 2018 , 128, 35-42	5	36
270	Intensive forest harvesting increases susceptibility of northern forest soils to carbon, nitrogen and phosphorus loss. <i>Journal of Applied Ecology</i> , 2018 , 55, 246-255	5.8	35
269	Fertilization of SRC Willow, I: Biomass Production Response. <i>Bioenergy Research</i> , 2014 , 7, 319-328	3.1	35
268	Variation and evolution of C:N ratio among different organs enable plants to adapt to N-limited environments. <i>Global Change Biology</i> , 2019 , 26, 2534	11.4	35
267	Identifying the tree species compositions that maximize ecosystem functioning in European forests. <i>Journal of Applied Ecology</i> , 2019 , 56, 733-744	5.8	35
266	Soil organic carbon stabilization mechanisms in a subtropical mangrove and salt marsh ecosystems. <i>Science of the Total Environment</i> , 2019 , 673, 502-510	10.2	34
265	Decline in Net Ecosystem Productivity Following Canopy Transition to Late-Succession Forests. <i>Ecosystems</i> , 2014 , 17, 778-791	3.9	34
264	Plant diversity loss reduces soil respiration across terrestrial ecosystems. <i>Global Change Biology</i> , 2019 , 25, 1482	11.4	33
263	The influence of recent climate change on tree height growth differs with species and spatial environment. <i>PLoS ONE</i> , 2011 , 6, e14691	3.7	32
262	Black Spruce Soils Accumulate More Uncomplexed Organic Matter than Aspen Soils. <i>Soil Science Society of America Journal</i> , 2011 , 75, 1125-1132	2.5	32
261	Aboveground biomass of understorey vegetation has a negligible or negative association with overstorey tree species diversity in natural forests. <i>Global Ecology and Biogeography</i> , 2016 , 25, 141-150	6.1	32
260	Autotrophic and heterotrophic soil respiration responds asymmetrically to drought in a subtropical forest in the Southeast China. <i>Soil Biology and Biochemistry</i> , 2018 , 123, 242-249	7.5	32
259	Multiple drivers of plant diversity in forest ecosystems. <i>Global Ecology and Biogeography</i> , 2014 , 23, 885-893		31
258	Persistent and pervasive compositional shifts of western boreal forest plots in Canada. <i>Global Change Biology</i> , 2017 , 23, 857-866	11.4	31
257	Effects of stand age, wildfire and clearcut harvesting on forest floor in boreal mixedwood forests. <i>Plant and Soil</i> , 2010 , 336, 267-277	4.2	31

256	Survival, growth, and allometry of planted <i>Larix occidentalis</i> seedlings in relation to light availability. <i>Forest Ecology and Management</i> , 1998 , 106, 169-179	3.9	31
255	Tree diversity is key for promoting the diversity and abundance of forest-associated taxa in Europe. <i>Oikos</i> , 2020 , 129, 133-146	4	31
254	Comparative effects of simulated acid rain of different ratios of SO to NO on fine root in subtropical plantation of China. <i>Science of the Total Environment</i> , 2018 , 618, 336-346	10.2	31
253	Reclamation strategies for mined forest soils and overstorey drive understory vegetation. <i>Journal of Applied Ecology</i> , 2018 , 55, 926-936	5.8	30
252	Recovery of Ecosystem Carbon Stocks in Young Boreal Forests: A Comparison of Harvesting and Wildfire Disturbance. <i>Ecosystems</i> , 2014 , 17, 851-863	3.9	30
251	Mechanisms Regulating Epiphytic Plant Diversity. <i>Critical Reviews in Plant Sciences</i> , 2012 , 31, 391-400	5.6	30
250	Arbuscular mycorrhizal fungi improve the growth and drought tolerance of <i>Zenia insignis</i> seedlings under drought stress. <i>New Forests</i> , 2019 , 50, 593-604	2.6	30
249	Spatial and temporal variability of precipitation indices during 1961-2010 in Hunan Province, central south China. <i>Theoretical and Applied Climatology</i> , 2014 , 118, 581-595	3	29
248	Root structure of western hemlock and western redcedar in single- and mixed-species stands. <i>Canadian Journal of Forest Research</i> , 2002 , 32, 997-1004	1.9	29
247	Indirect methods produce higher estimates of fine root production and turnover rates than direct methods. <i>PLoS ONE</i> , 2012 , 7, e48989	3.7	29
246	Analysis of <i>Dendrobium huoshanense</i> transcriptome unveils putative genes associated with active ingredients synthesis. <i>BMC Genomics</i> , 2018 , 19, 978	4.5	29
245	Accumulation of soil organic carbon after cropland conversion to short-rotation willow and poplar. <i>GCB Bioenergy</i> , 2017 , 9, 1390-1401	5.6	28
244	Fertilizer regime impacts on abundance and diversity of soil fauna across a poplar plantation chronosequence in coastal Eastern China. <i>Scientific Reports</i> , 2016 , 6, 20816	4.9	28
243	Changes in nitrogen resorption of trembling aspen (<i>Populus tremuloides</i>) with stand development. <i>Plant and Soil</i> , 2010 , 327, 121-129	4.2	28
242	Vegetation change impacts on soil organic carbon chemical composition in subtropical forests. <i>Scientific Reports</i> , 2016 , 6, 29607	4.9	28
241	Afforestation promotes the enhancement of forest LAI and NPP in China. <i>Forest Ecology and Management</i> , 2020 , 462, 117990	3.9	27
240	Using functional trait diversity patterns to disentangle the scale-dependent ecological processes in a subtropical forest. <i>Functional Ecology</i> , 2018 , 32, 1379-1389	5.6	27
239	Multi-millennial fire frequency and tree abundance differ between xeric and mesic boreal forests in central Canada. <i>Journal of Ecology</i> , 2013 , 101, 356-367	6	27

238	Global meta-analysis on the responses of soil extracellular enzyme activities to warming. <i>Science of the Total Environment</i> , 2020 , 705, 135992	10.2	27
237	Response of Plants to Water Stress: A Meta-Analysis. <i>Frontiers in Plant Science</i> , 2020 , 11, 978	6.2	26
236	Multiple abiotic and biotic drivers of aboveground biomass shift with forest stratum. <i>Forest Ecology and Management</i> , 2019 , 436, 1-10	3.9	26
235	Long-term, amplified responses of soil organic carbon to nitrogen addition worldwide. <i>Global Change Biology</i> , 2021 , 27, 1170-1180	11.4	26
234	Impacts of changes in vegetation on saturated hydraulic conductivity of soil in subtropical forests. <i>Scientific Reports</i> , 2019 , 9, 8372	4.9	25
233	Species-rich boreal forests grew more and suffered less mortality than species-poor forests under the environmental change of the past half-century. <i>Ecology Letters</i> , 2019 , 22, 999-1008	10	25
232	Soil Carbon and Nutrient Dynamics Following Cessation of Anthropogenic Disturbances in Degraded Subtropical Forests. <i>Land Degradation and Development</i> , 2017 , 28, 2457-2467	4.4	25
231	Multiple interactions between tree composition and diversity and microbial diversity underly litter decomposition. <i>Geoderma</i> , 2019 , 341, 161-171	6.7	24
230	Dynamics of epiphytic macrolichen abundance, diversity and composition in boreal forest. <i>Journal of Applied Ecology</i> , 2015 , 52, 181-189	5.8	24
229	Forest-type shift and subsequent intensive management affected soil organic carbon and microbial community in southeastern China. <i>European Journal of Forest Research</i> , 2017 , 136, 689-697	2.7	24
228	Biomass and its allocation in relation to temperature, precipitation, and soil nutrients in Inner Mongolia grasslands, China. <i>PLoS ONE</i> , 2013 , 8, e69561	3.7	24
227	RowBee: A Routing Protocol Based on Cross-Technology Communication for Energy-Harvesting Wireless Sensor Networks. <i>IEEE Access</i> , 2019 , 7, 40663-40673	3.5	23
226	Drought stress induced increase of fungi:bacteria ratio in a poplar plantation. <i>Catena</i> , 2020 , 193, 104607	5.8	23
225	Silicon-mediated plant defense against pathogens and insect pests. <i>Pesticide Biochemistry and Physiology</i> , 2020 , 168, 104641	4.9	23
224	Legacy of Pre-Disturbance Spatial Pattern Determines Early Structural Diversity following Severe Disturbance in Montane Spruce Forests. <i>PLoS ONE</i> , 2015 , 10, e0139214	3.7	23
223	Impacts of forest conversion on soil bacterial community composition and diversity in subtropical forests. <i>Catena</i> , 2019 , 175, 167-173	5.8	23
222	Conifer proportion explains fine root biomass more than tree species diversity and site factors in major European forest types. <i>Forest Ecology and Management</i> , 2017 , 406, 330-350	3.9	22
221	Fertilization of SRC Willow, II: Leaching and Element Balances. <i>Bioenergy Research</i> , 2014 , 7, 338-352	3.1	22

220	Tree size thresholds produce biased estimates of forest biomass dynamics. <i>Forest Ecology and Management</i> , 2017 , 400, 468-474	3.9	22
219	The influence of boreal tree species mixtures on ecosystem carbon storage and fluxes. <i>Forest Ecology and Management</i> , 2015 , 354, 119-129	3.9	22
218	Moisture budget variations in the Yangtze River Basin, China, and possible associations with large-scale circulation. <i>Stochastic Environmental Research and Risk Assessment</i> , 2010 , 24, 579-589	3.5	22
217	Height growth and site index models for trembling aspen (<i>Populus tremuloides</i> Michx.) in northern British Columbia. <i>Forest Ecology and Management</i> , 1998 , 102, 157-165	3.9	22
216	Relative size and stand age determine <i>Pinus banksiana</i> mortality. <i>Forest Ecology and Management</i> , 2008 , 255, 3980-3984	3.9	22
215	Whole soil acidification and base cation reduction across subtropical China. <i>Geoderma</i> , 2020 , 361, 114107.7	3.7	22
214	Economic and ecological trade-off analysis of forest ecosystems: options for boreal forests. <i>Environmental Reviews</i> , 2016 , 24, 348-361	4.5	22
213	Do forests best mitigate CO emissions to the atmosphere by setting them aside for maximization of carbon storage or by management for fossil fuel substitution?. <i>Journal of Environmental Management</i> , 2017 , 197, 117-129	7.9	21
212	Spatial heterogeneity of heavy metal contamination in soils and plants in Hefei, China. <i>Scientific Reports</i> , 2019 , 9, 1049	4.9	21
211	Projected effects of climate change on boreal bird community accentuated by anthropogenic disturbances in western boreal forest, Canada. <i>Diversity and Distributions</i> , 2020 , 26, 668-682	5	21
210	Simplifying the decision matrix for estimating fine root production by the sequential soil coring approach. <i>Acta Oecologica</i> , 2013 , 48, 54-61	1.7	21
209	Tree species diversity promotes litterfall productivity through crown complementarity in subtropical forests. <i>Journal of Ecology</i> , 2019 , 107, 1852-1861	6	20
208	Arbuscular Mycorrhizal Fungi Associated with Tree Species in a Planted Forest of Eastern China. <i>Forests</i> , 2019 , 10, 424	2.8	20
207	Plant defense against virus diseases; growth hormones in highlights. <i>Plant Signaling and Behavior</i> , 2019 , 14, 1596719	2.5	20
206	Positive species mixture effects on fine root turnover and mortality in natural boreal forests. <i>Soil Biology and Biochemistry</i> , 2018 , 121, 130-137	7.5	20
205	Diversity of northern plantations peaks at intermediate management intensity. <i>Forest Ecology and Management</i> , 2010 , 259, 360-366	3.9	20
204	Height growth–elevation relationships in subalpine forests of interior British Columbia. <i>Forestry Chronicle</i> , 1996 , 72, 193-198	1	20
203	Variation in total and volatile carbon concentration among the major tree species of the boreal forest. <i>Forest Ecology and Management</i> , 2016 , 375, 191-199	3.9	20

202	Exogenous 24-Epibrassinolide Alleviates Effects of Salt Stress on Chloroplasts and Photosynthesis in Robinia pseudoacacia L. Seedlings. <i>Journal of Plant Growth Regulation</i> , 2019 , 38, 669-682	4.7	20
201	Global negative effects of nutrient enrichment on arbuscular mycorrhizal fungi, plant diversity and ecosystem multifunctionality. <i>New Phytologist</i> , 2021 , 229, 2957-2969	9.8	20
200	Negative to positive shifts in diversity effects on soil nitrogen over time. <i>Nature Sustainability</i> , 2021 , 4, 225-232	22.1	20
199	Influence of harvesting on understory vegetation along a boreal riparian-upland gradient. <i>Forest Ecology and Management</i> , 2014 , 312, 138-147	3.9	19
198	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	1.9	19
197	Tissue-specific transcriptome for <i>Dendrobium officinale</i> reveals genes involved in flavonoid biosynthesis. <i>Genomics</i> , 2020 , 112, 1781-1794	4.3	19
196	Bryophyte abundance, diversity and composition after retention harvest in boreal mixedwood forest. <i>Journal of Applied Ecology</i> , 2018 , 55, 947-957	5.8	19
195	Effects of coarse woody debris on plant and lichen species composition in boreal forests. <i>Journal of Vegetation Science</i> , 2017 , 28, 389-400	3.1	18
194	A new mfj-type metal-organic framework constructed from a methoxyl derived V-shaped ligand and its H ₂ , CO ₂ and CH ₄ adsorption properties. <i>RSC Advances</i> , 2017 , 7, 21268-21272	3.7	18
193	Changing characteristics of precipitation during 1960-2012 in Inner Mongolia, northern China. <i>Meteorology and Atmospheric Physics</i> , 2015 , 127, 257-271	2	18
192	Rapid increases in fine root biomass and production following cessation of anthropogenic disturbances in degraded forests. <i>Land Degradation and Development</i> , 2018 , 29, 461-470	4.4	18
191	Spatial climate-dependent growth response of boreal mixedwood forest in western Canada. <i>Global and Planetary Change</i> , 2016 , 139, 141-150	4.2	18
190	Effects of Disturbance on Fine Root Dynamics in the Boreal Forests of Northern Ontario, Canada. <i>Ecosystems</i> , 2013 , 16, 467-477	3.9	18
189	Allometric Biomass, Biomass Expansion Factor and Wood Density Models for the OP42 Hybrid Poplar in Southern Scandinavia. <i>Bioenergy Research</i> , 2015 , 8, 1332-1343	3.1	17
188	Carbon accumulation in agroforestry systems is affected by tree species diversity, age and regional climate: A global meta-analysis. <i>Global Ecology and Biogeography</i> , 2020 , 29, 1817-1828	6.1	17
187	Interspecific variation in growth responses to tree size, competition and climate of western Canadian boreal mixed forests. <i>Science of the Total Environment</i> , 2018 , 631-632, 1070-1078	10.2	17
186	Ecosystem memory of wildfires affects resilience of boreal mixedwood biodiversity after retention harvest. <i>Oikos</i> , 2017 , 126, 1738-1747	4	17
185	Comparison of landslide susceptibility maps using random forest and multivariate adaptive regression spline models in combination with catchment map units. <i>Geosciences Journal</i> , 2019 , 23, 341-355	14	17

184	Climatic change only stimulated growth for trees under weak competition in central boreal forests. <i>Journal of Ecology</i> , 2020 , 108, 36-46	6	17
183	Recovery of temperate and boreal forests after windthrow and the impacts of salvage logging. A quantitative review. <i>Forest Ecology and Management</i> , 2019 , 446, 304-316	3.9	16
182	Effects of Arbuscular Mycorrhizal Fungi on Growth, Photosynthesis, and Nutrient Uptake of <i>Zelkova serrata</i> (Thunb.) Makino Seedlings under Salt Stress. <i>Forests</i> , 2019 , 10, 186	2.8	16
181	Dynamics of understorey biomass, production and turnover associated with long-term overstorey succession in boreal forest of Canada. <i>Forest Ecology and Management</i> , 2018 , 427, 152-161	3.9	16
180	Forest Understorey Vegetation: Colonization and the Availability and Heterogeneity of Resources. <i>Forests</i> , 2019 , 10, 944	2.8	16
179	Statistical properties of moisture transport in East Asia and their impacts on wetness/dryness variations in North China. <i>Theoretical and Applied Climatology</i> , 2011 , 104, 337-347	3	16
178	Role of environmental factors in shaping the soil microbiome. <i>Environmental Science and Pollution Research</i> , 2020 , 27, 41225-41247	5.1	16
177	Biogeographic patterns of nutrient resorption from <i>Quercus variabilis</i> Blume leaves across China. <i>Plant Biology</i> , 2016 , 18, 505-13	3.7	16
176	Tree species richness decreases while species evenness increases with disturbance frequency in a natural boreal forest landscape. <i>Ecology and Evolution</i> , 2016 , 6, 842-50	2.8	16
175	Effects of soil fauna on leaf litter decomposition under different land uses in eastern coast of China. <i>Journal of Forestry Research</i> , 2018 , 29, 973-982	2	16
174	Soil Aggregation and Organic Carbon Dynamics in Poplar Plantations. <i>Forests</i> , 2018 , 9, 508	2.8	16
173	Commercially Grown Short Rotation Coppice Willow in Denmark: Biomass Production and Factors Affecting Production. <i>Bioenergy Research</i> , 2015 , 8, 325-339	3.1	15
172	The Effects of Ecological Factors on the Main Medicinal Components of <i>Dendrobium officinale</i> under Different Cultivation Modes. <i>Forests</i> , 2020 , 11, 94	2.8	15
171	Deadwood Density of Five Boreal Tree Species in Relation to Field-Assigned Decay Class. <i>Forest Science</i> , 2013 , 59, 261-266	1.4	15
170	Responses of C:N stoichiometry in plants, soil, and microorganisms to nitrogen addition. <i>Plant and Soil</i> , 2020 , 456, 277-287	4.2	15
169	Carbon Storage Declines in Old Boreal Forests Irrespective of Succession Pathway. <i>Ecosystems</i> , 2018 , 21, 1168-1182	3.9	15
168	Responses of soil microbial biomass, diversity and metabolic activity to biochar applications in managed poplar plantations on reclaimed coastal saline soil. <i>Soil Use and Management</i> , 2018 , 34, 597-605 ^{3.1}	3.1	15
167	Relationship between Aboveground Biomass and Percent Cover of Ground Vegetation in Canadian Boreal Plain Riparian Forests. <i>Forest Science</i> , 2012 , 58, 47-53	1.4	14

166	Long-term effects of intensive silvicultural practices on productivity, composition, and structure of northern temperate and boreal plantations in Ontario, Canada. <i>Forest Ecology and Management</i> , 2007 , 241, 115-126	3.9	14
165	Diversity-disturbance relationship in forest landscapes. <i>Landscape Ecology</i> , 2016 , 31, 981-987	4.3	14
164	Increased litterfall contributes to carbon and nitrogen accumulation following cessation of anthropogenic disturbances in degraded forests. <i>Forest Ecology and Management</i> , 2019 , 432, 832-839	3.9	14
163	Complementarity effects are strengthened by competition intensity and global environmental change in the central boreal forests of Canada. <i>Ecology Letters</i> , 2020 , 23, 79-87	10	14
162	Effects of short-term N addition on plant biomass allocation and C and N pools of the <i>Sibiraea angustata</i> scrub ecosystem. <i>European Journal of Soil Science</i> , 2017 , 68, 212-220	3.4	13
161	Comparative effects of the recovery from sulfuric and nitric acid rain on the soil enzyme activities and metabolic functions of soil microbial communities. <i>Science of the Total Environment</i> , 2020 , 714, 136788	10.2	13
160	Nitrogen use efficiency: does a trade-off exist between the N productivity and the mean residence time within species?. <i>Australian Journal of Botany</i> , 2008 , 56, 272	1.2	13
159	Effects of timing of glyphosate application on jack pine, black spruce, and white spruce plantations in northern Manitoba. <i>Forestry Chronicle</i> , 2008 , 84, 37-45	1	13
158	Maximum Entropy Modeling to Predict the Impact of Climate Change on Pine Wilt Disease in China. <i>Frontiers in Plant Science</i> , 2021 , 12, 652500	6.2	13
157	Plant mixture balances terrestrial ecosystem C:N:P stoichiometry. <i>Nature Communications</i> , 2021 , 12, 4562	17.4	13
156	Effects of grazing on photosynthetic features and soil respiration of rangelands in the Tianshan Mountains of Northwest China. <i>Scientific Reports</i> , 2016 , 6, 30087	4.9	13
155	Species mixture increases production partitioning to belowground in a natural boreal forest. <i>Forest Ecology and Management</i> , 2019 , 432, 667-674	3.9	13
154	Responses of soil enzymatic activities to transgenic <i>Bacillus thuringiensis</i> (Bt) crops - A global meta-analysis. <i>Science of the Total Environment</i> , 2019 , 651, 1830-1838	10.2	13
153	Temporal declines in tree longevity associated with faster lifetime growth rates in boreal forests. <i>Environmental Research Letters</i> , 2018 , 13, 125003	6.2	13
152	Tree community structural development in young boreal forests: A comparison of fire and harvesting disturbance. <i>Forest Ecology and Management</i> , 2013 , 310, 19-26	3.9	12
151	Water supply changes N and P conservation in a perennial grass <i>Leymus chinensis</i> . <i>Journal of Integrative Plant Biology</i> , 2009 , 51, 1050-6	8.3	12
150	Characterization of nutrient regimes in some continental subalpine boreal forest soils. <i>Canadian Journal of Soil Science</i> , 1998 , 78, 467-475	1.4	12
149	Effects of elevated CO ₂ on the C:N stoichiometry of plants, soils, and microorganisms in terrestrial ecosystems. <i>Catena</i> , 2021 , 201, 105219	5.8	12

148	Understorey vegetation dynamics of Chinese fir plantations and natural secondary forests in subtropical China. <i>Forest Ecology and Management</i> , 2021 , 483, 118750	3.9	12
147	Epixylic vegetation abundance, diversity, and composition vary with coarse woody debris decay class and substrate species in boreal forest. <i>Canadian Journal of Forest Research</i> , 2018 , 48, 399-411	1.9	11
146	Arbuscular Mycorrhizal Fungi Effectively Enhances the Growth of <i>Gleditsia sinensis</i> Lam. Seedlings under Greenhouse Conditions. <i>Forests</i> , 2019 , 10, 567	2.8	11
145	Stand age structural dynamics of North American boreal forests and implications for forest management. <i>International Forestry Review</i> , 2006 , 8, 395-405	0.9	11
144	Post-harvest Regeneration of Lowland Black Spruce Forests in Northeastern Ontario. <i>New Forests</i> , 2006 , 31, 115-129	2.6	11
143	Potential productivity of three interior subalpine forest tree species in British Columbia. <i>Forest Ecology and Management</i> , 2003 , 175, 521-530	3.9	11
142	Height Growth Models for High-Elevation Subalpine Fir, Engelmann Spruce, and Lodgepole Pine in British Columbia. <i>Western Journal of Applied Forestry</i> , 2000 , 15, 62-69		11
141	Plant-insect vector-virus interactions under environmental change. <i>Science of the Total Environment</i> , 2020 , 701, 135044	10.2	11
140	Spatial variation in climate modifies effects of functional diversity on biomass dynamics in natural forests across Canada. <i>Global Ecology and Biogeography</i> , 2020 , 29, 682-695	6.1	11
139	Coherent responses of terrestrial C:N stoichiometry to drought across plants, soil, and microorganisms in forests and grasslands. <i>Agricultural and Forest Meteorology</i> , 2020 , 292-293, 108104	5.8	11
138	Global responses of fine root biomass and traits to plant species mixtures in terrestrial ecosystems. <i>Global Ecology and Biogeography</i> , 2021 , 30, 289-304	6.1	11
137	An Indigenous Soil Bacterium Facilitates the Mitigation of Rocky Desertification in Carbonate Mining Areas. <i>Land Degradation and Development</i> , 2017 , 28, 2222-2233	4.4	10
136	Compositional stability of boreal understorey vegetation after overstorey harvesting across a riparian ecotone. <i>Journal of Vegetation Science</i> , 2015 , 26, 733-741	3.1	10
135	Global variations and controlling factors of soil nitrogen turnover rate. <i>Earth-Science Reviews</i> , 2020 , 207, 103250	10.2	10
134	Interactive effects of global change factors on terrestrial net primary productivity are treatment length and intensity dependent. <i>Journal of Ecology</i> , 2020 , 108, 2083-2094	6	10
133	The stoichiometry of soil microbial biomass determines metabolic quotient of nitrogen mineralization. <i>Environmental Research Letters</i> , 2020 , 15, 034005	6.2	10
132	Salvage logging and forest renewal affect early aspen stand structure after catastrophic wind. <i>Forest Ecology and Management</i> , 2013 , 308, 1-8	3.9	10
131	Mixed-Species Effects on Soil C and N Stocks, C/N Ratio and pH Using a Transboundary Approach in Adjacent Common Garden Douglas-Fir and Beech Stands. <i>Forests</i> , 2017 , 8, 95	2.8	10

130	The effect of species diversity on tree growth varies during forest succession in the boreal forest of central Canada. <i>Forest Ecology and Management</i> , 2020 , 455, 117641	3.9	10
129	Understory Community Assembly Following Wildfire in Boreal Forests: Shift From Stochasticity to Competitive Exclusion and Environmental Filtering. <i>Frontiers in Plant Science</i> , 2018 , 9, 1854	6.2	10
128	Changing characteristics of wet/dry spells during 1961–2008 in Sichuan province, southwest China. <i>Theoretical and Applied Climatology</i> , 2017 , 127, 129-141	3	9
127	Disturbance increases negative spatial autocorrelation in species diversity. <i>Landscape Ecology</i> , 2017 , 32, 823-834	4.3	9
126	Similarity of plant functional traits and aggregation pattern in a subtropical forest. <i>Ecology and Evolution</i> , 2017 , 7, 4086-4098	2.8	9
125	Soil organic carbon and nutrients associated with aggregate fractions in a chronosequence of tea plantations. <i>Ecological Indicators</i> , 2019 , 101, 444-452	5.8	9
124	Application of biogas slurry rather than biochar increases soil microbial functional gene signal intensity and diversity in a poplar plantation. <i>Soil Biology and Biochemistry</i> , 2020 , 146, 107825	7.5	9
123	Economic analysis of forest management alternatives: Compositional objectives, rotation ages, and harvest methods in boreal forests. <i>Forest Policy and Economics</i> , 2017 , 85, 124-134	3.6	8
122	Small RNAs from Seed to Mature Plant. <i>Critical Reviews in Plant Sciences</i> , 2019 , 38, 117-139	5.6	8
121	Adjustive ecological restoration through stakeholder involvement: a case of riparian landscape restoration on privately owned land with public access. <i>Restoration Ecology</i> , 2019 , 27, 1073-1083	3.1	8
120	Global pattern and drivers of nitrogen saturation threshold of grassland productivity. <i>Functional Ecology</i> , 2020 , 34, 1979-1990	5.6	8
119	Comparative Transcriptome Analysis of Different Species Reveals Active Ingredients-Related Genes and Pathways. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	8
118	Divergent temporal trends of net biomass change in western Canadian boreal forests. <i>Journal of Ecology</i> , 2019 , 107, 69-78	6	8
117	Fertilization of Willow Coppice Over Three Consecutive 2-Year Rotations Effects on Biomass Production, Soil Nutrients and Water. <i>Bioenergy Research</i> , 2017 , 10, 728-739	3.1	8
116	Soil enzyme activities and their indication for fertility of urban forest soil. <i>Frontiers of Environmental Science and Engineering in China</i> , 2008 , 2, 218-223		8
115	Chemical site preparation influences productivity, composition, and structure of boreal mixedwoods in Ontario, Canada. <i>Forest Ecology and Management</i> , 2006 , 229, 145-154	3.9	8
114	Polysaccharide biosynthetic pathway profiling and putative gene mining of <i>Dendrobium moniliforme</i> using RNA-Seq in different tissues. <i>BMC Plant Biology</i> , 2019 , 19, 521	5.3	8
113	Partitioning beta diversity in a tropical karst seasonal rainforest in Southern China. <i>Scientific Reports</i> , 2018 , 8, 17408	4.9	8

112	Transition from N to P limited soil nutrients over time since restoration in degraded subtropical broadleaved mixed forests. <i>Forest Ecology and Management</i> , 2021 , 494, 119298	3.9	8
111	Comparative physiological mechanisms of arbuscular mycorrhizal fungi in mitigating salt-induced adverse effects on leaves and roots of <i>Zelkova serrata</i> . <i>Mycorrhiza</i> , 2020 , 30, 341-355	3.9	7
110	Stand age affects emissions of N ₂ O in flood-irrigated alfalfa: a comparison of field measurements, DNDC model simulations and IPCC Tier 1 estimates. <i>Nutrient Cycling in Agroecosystems</i> , 2016 , 106, 335-345	3.3	7
109	Shifts in functional trait-species abundance relationships over secondary subalpine meadow succession in the Qinghai-Tibetan Plateau. <i>Oecologia</i> , 2018 , 188, 547-557	2.9	7
108	The abundance and community structure of soil arthropods in reclaimed coastal saline soil of managed poplar plantations. <i>Geoderma</i> , 2018 , 327, 130-137	6.7	7
107	Predominance of abiotic drivers in the relationship between species diversity and litterfall production in a tropical karst seasonal rainforest. <i>Forest Ecology and Management</i> , 2019 , 449, 117452	3.9	7
106	The effects of forest fuel connectivity on spatiotemporal dynamics of Holocene fire regimes in the central boreal forest of North America. <i>Journal of Quaternary Science</i> , 2015 , 30, 365-375	2.3	7
105	Functional diversity enhances, but exploitative traits reduce tree mixture effects on microbial biomass. <i>Functional Ecology</i> , 2020 , 34, 276-286	5.6	7
104	Long term forest conversion affected soil nanoscale pores in subtropical China. <i>Catena</i> , 2020 , 185, 104289	3.9	7
103	Functional and phylogenetic diversity promote litter decomposition across terrestrial ecosystems. <i>Global Ecology and Biogeography</i> , 2020 , 29, 2261-2272	6.1	7
102	Different Responses of the Radial Growth of Conifer Species to Increasing Temperature along Altitude Gradient: <i>Pinus tabulaeformis</i> in the Helan Mountains (Northwestern China). <i>Polish Journal of Ecology</i> , 2016 , 64, 509-525	0.4	7
101	Poplar plantations in coastal China: towards the identification of the best rotation age for optimal soil carbon sequestration. <i>Soil Use and Management</i> , 2016 , 32, 303-310	3.1	7
100	Effects of mineral-solubilizing microbial strains on the mechanical responses of roots and root-reinforced soil in external-soil spray seeding substrate. <i>Science of the Total Environment</i> , 2020 , 723, 138079	10.2	7
99	The Positive Effect of Different 24-epiBL Pretreatments on Salinity Tolerance in <i>Robinia pseudoacacia</i> L. Seedlings. <i>Forests</i> , 2019 , 10, 4	2.8	6
98	Comparative nutritional characteristics of the three major Chinese <i>Dendrobium</i> species with different growth years. <i>PLoS ONE</i> , 2019 , 14, e0222666	3.7	6
97	Epiphytic macrolichen cover, richness and composition in young successional boreal forest: A comparison of fire and logging disturbance. <i>Forest Ecology and Management</i> , 2015 , 347, 149-155	3.9	6
96	Traits mediate drought effects on wood carbon fluxes. <i>Global Change Biology</i> , 2020 , 26, 3429-3442	11.4	6
95	Linking intraspecific trait variability and spatial patterns of subtropical trees. <i>Oecologia</i> , 2018 , 186, 793-803	3.3	6

94	Species dynamics of epiphytic macrolichens in relation to time since fire and host tree species in boreal forest. <i>Journal of Vegetation Science</i> , 2015 , 26, 1124-1133	3.1	6
93	The number of tree species on Earth.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022 , 119,	11.5	6
92	Decadal-Scale Recovery of Carbon Stocks After Wildfires Throughout the Boreal Forests. <i>Global Biogeochemical Cycles</i> , 2020 , 34, e2020GB006612	5.9	6
91	Global soil microbial biomass decreases with aridity and land-use intensification. <i>Global Ecology and Biogeography</i> , 2021 , 30, 1056-1069	6.1	6
90	Tree species composition and nutrient availability affect soil microbial diversity and composition across forest types in subtropical China. <i>Catena</i> , 2021 , 201, 105224	5.8	6
89	Sustainability of Canada's forestry sector may be compromised by impending climate change. <i>Forest Ecology and Management</i> , 2020 , 474, 118352	3.9	5
88	Leaf phosphorus content of <i>Quercus wutaishanica</i> increases with total soil potassium in the Loess Plateau. <i>PLoS ONE</i> , 2018 , 13, e0201350	3.7	5
87	Water availability regulates negative effects of species mixture on soil microbial biomass in boreal forests. <i>Soil Biology and Biochemistry</i> , 2019 , 139, 107634	7.5	5
86	Cellulose dominantly affects soil fauna in the decomposition of forest litter: A meta-analysis. <i>Geoderma</i> , 2020 , 378, 114620	6.7	5
85	Elevated CO ₂ shifts soil microbial communities from K- to r-strategists. <i>Global Ecology and Biogeography</i> , 2021 , 30, 961-972	6.1	5
84	Asymmetric responses of terrestrial C:N:P stoichiometry to precipitation change. <i>Global Ecology and Biogeography</i> , 2021 , 30, 1724-1735	6.1	5
83	Historical, ecological, and governance aspects of intensive forest biomass harvesting in Denmark. <i>Wiley Interdisciplinary Reviews: Energy and Environment</i> , 2016 , 5, 588-610	4.7	5
82	Stand age and species composition effects on surface albedo in a mixedwood boreal forest. <i>Biogeosciences</i> , 2019 , 16, 4357-4375	4.6	5
81	Morphological and microscopic identification of three major medicinal <i>Dendrobium</i> species in Ta-pieh Mountains area. <i>Microscopy Research and Technique</i> , 2019 , 82, 483-493	2.8	5
80	Arbuscular mycorrhizal fungi communities associated with wild plants in a coastal ecosystem. <i>Journal of Forestry Research</i> , 2021 , 32, 683-695	2	5
79	Effects of Mineral-Solubilizing Microorganisms on Root Growth, Soil Nutrient Content, and Enzyme Activities in the Rhizosphere Soil of <i>Robinia pseudoacacia</i> . <i>Forests</i> , 2021 , 12, 60	2.8	5
78	Potential range expansion and niche shift of the invasive <i>Hyphantria cunea</i> between native and invasive countries. <i>Ecological Entomology</i> , 2021 , 46, 910-925	2.1	5
77	Differential response of soil microbial and animal communities along the chronosequence of at different soil depth levels in subtropical forest ecosystem.. <i>Journal of Advanced Research</i> , 2022 , 38, 41-54 ¹³		5

76	Determinants of the N content of <i>Quercus wutaishanica</i> leaves in the Loess Plateau: a structural equation modeling approach. <i>Scientific Reports</i> , 2016 , 6, 26845	4.9	4
75	Contrasting effects of thinning on soil CO emission and above- and belowground carbon regime under a subtropical Chinese fir plantation. <i>Science of the Total Environment</i> , 2019 , 690, 361-369	10.2	4
74	CO2 Emission Increases with Damage Severity in Moso Bamboo Forests Following a Winter Storm in Southern China. <i>Scientific Reports</i> , 2016 , 6, 30351	4.9	4
73	Linking understory species diversity, community-level traits and productivity in a Chinese boreal forest. <i>Journal of Vegetation Science</i> , 2019 , 30, 247-256	3.1	4
72	Multiple Applications of Enzymes Induced by Algal Biomasses from a New <i>Bacillus</i> Isolate to Saccharify Algae and Degrade Chemical Dyes. <i>Waste and Biomass Valorization</i> , 2019 , 10, 2517-2526	3.2	4
71	Conspecific and heterospecific crowding facilitate tree survival in a tropical karst seasonal rainforest. <i>Forest Ecology and Management</i> , 2021 , 481, 118751	3.9	4
70	Functions of mineral-solubilizing microbes and a water retaining agent for the remediation of abandoned mine sites. <i>Science of the Total Environment</i> , 2021 , 761, 143215	10.2	4
69	A global meta-analysis on the responses of C and N concentrations to warming in terrestrial ecosystems. <i>Catena</i> , 2022 , 208, 105762	5.8	4
68	Contribution of root traits to variations in soil microbial biomass and community composition. <i>Plant and Soil</i> , 2021 , 460, 483-495	4.2	4
67	Understory Vegetation Dynamics across a Poplar Plantation Chronosequence in Reclaimed Coastal Saline Soil. <i>Forests</i> , 2019 , 10, 764	2.8	3
66	Climate change-associated trends in biomass dynamics are consistent across soil drainage classes in western boreal forests of Canada. <i>Forest Ecosystems</i> , 2017 , 4,	3.8	3
65	Phenotypic plasticity controls regional-scale variation in <i>Quercus variabilis</i> leaf $\delta^{13}C$. <i>Trees - Structure and Function</i> , 2016 , 30, 1445-1453	2.6	3
64	Microbial community structure of soils under four productivity classes of aspen forests in northern British Columbia. <i>Ecoscience</i> , 2013 , 20, 264-275	1.1	3
63	Effects of post-windthrow management interventions on understory plant communities in aspen-dominated boreal forests. <i>Forest Ecology and Management</i> , 2014 , 323, 39-46	3.9	3
62	The forest Gribskov, Denmark: lessons from the past qualify contemporary conservation, restoration and forest management. <i>Biodiversity and Conservation</i> , 2014 , 23, 23-37	3.4	3
61	Smartforests Canada: A Network of Monitoring Plots for Forest Management Under Environmental Change. <i>Managing Forest Ecosystems</i> , 2022 , 521-543	0.7	3
60	Evaluating Heathland Restoration Belowground Using Different Quality Indices of Soil Chemical and Biological Properties. <i>Agronomy</i> , 2020 , 10, 1140	3.6	3
59	Climate-driven Yield Variability for Winter Wheat in Henan Province, North China and its Relation to Large-scale Atmospheric Circulation Indices. <i>International Journal of Plant Production</i> , 2021 , 15, 79-91	2.4	3

58	Changes in Soil Arthropod Abundance and Community Structure across a Poplar Plantation Chronosequence in Reclaimed Coastal Saline Soil. <i>Forests</i> , 2018 , 9, 644	2.8	3
57	Trade-offs and Synergies Between Economic Gains and Plant Diversity Across a Range of Management Alternatives in Boreal Forests. <i>Ecological Economics</i> , 2018 , 151, 162-172	5.6	3
56	Meta-analysis shows non-uniform responses of above- and belowground productivity to drought. <i>Science of the Total Environment</i> , 2021 , 782, 146901	10.2	3
55	Global patterns of leaf construction traits and their covariation along climate and soil environmental gradients. <i>New Phytologist</i> , 2021 , 232, 1648-1660	9.8	3
54	High-level rather than low-level warming destabilizes plant community biomass production. <i>Journal of Ecology</i> , 2021 , 109, 1607-1617	6	3
53	Background nitrogen deposition controls the effects of experimental nitrogen addition on soil gross N transformations in forest ecosystems. <i>Biogeochemistry</i> , 2020 , 151, 335-341	3.8	2
52	The C:N:P Stoichiometry of Planted and Natural <i>Larix principis-rupprechtii</i> Stands along Altitudinal Gradients on the Loess Plateau, China. <i>Forests</i> , 2020 , 11, 363	2.8	2
51	Effect of 26 years of intensively managed <i>Carya cathayensis</i> stands on soil organic carbon and fertility. <i>Scientific World Journal, The</i> , 2014 , 2014, 857641	2.2	2
50	Plant diversity increases the abundance and diversity of soil fauna: A meta-analysis. <i>Geoderma</i> , 2022 , 411, 115694	6.7	2
49	Arbuscular mycorrhizal fungi enhanced salt tolerance of <i>Gleditsia sinensis</i> by modulating antioxidant activity, ion balance and P/N ratio. <i>Plant Growth Regulation</i> , 1	3.2	2
48	Biochar-Induced Priming Effects in Young and Old Poplar Plantation Soils. <i>Phyton</i> , 2020 , 89, 13-26	2.1	2
47	Latitudinal Diversity Gradients and Rapoport Effects in Chinese Endemic Woody Seed Plants. <i>Forests</i> , 2020 , 11, 1029	2.8	2
46	Diversity and identity of economics traits determine the extent of tree mixture effects on ecosystem productivity. <i>Journal of Ecology</i> , 2021 , 109, 1898-1908	6	2
45	Rapid functional shifts across high latitude forests over the last 65 years. <i>Global Change Biology</i> , 2021 , 27, 3846-3858	11.4	2
44	Relationships Between Leaf Carbon and Macronutrients Across Woody Species and Forest Ecosystems Highlight How Carbon Is Allocated to Leaf Structural Function. <i>Frontiers in Plant Science</i> , 2021 , 12, 674932	6.2	2
43	Precipitation manipulation and terrestrial carbon cycling: The roles of treatment magnitude, experimental duration and local climate. <i>Global Ecology and Biogeography</i> , 2021 , 30, 1909-1921	6.1	2
42	High Gas Adsorption Capacity of an agw-Type Metal-Organic Framework Decorated with Methyl Groups. <i>European Journal of Inorganic Chemistry</i> , 2016 , 2016, 4727-4730	2.3	2
41	Unimodal diversity-productivity relationship emerged under stressful environment through sampling effect. <i>Ecological Informatics</i> , 2019 , 50, 131-135	4.2	2

40	The stoichiometry of leaf nitrogen and phosphorus resorption in plantation forests. <i>Forest Ecology and Management</i> , 2021 , 483, 118743	3.9	2
39	The use of Biolog Eco microplates to compare the effects of sulfuric and nitric acid rain on the metabolic functions of soil microbial communities in a subtropical plantation within the Yangtze River Delta region. <i>Catena</i> , 2021 , 198, 105039	5.8	2
38	Fine root biomass and necromass dynamics of Chinese fir plantations and natural secondary forests in subtropical China. <i>Forest Ecology and Management</i> , 2021 , 496, 119413	3.9	2
37	Restoration in degraded subtropical broadleaved forests induces changes in soil bacterial communities. <i>Global Ecology and Conservation</i> , 2021 , 30, e01775	2.8	2
36	Coniferization of the mixed-wood boreal forests under warm climate. <i>Journal of Quaternary Science</i> , 2019 , 34, 509-518	2.3	1
35	Application and Test of GIS Based FUSLE Model in a Pine Forest Sub-Catchment in the Dabie Mountains, China. <i>International Conference on Bioinformatics and Biomedical Engineering: [proceedings] International Conference on Bioinformatics and Biomedical Engineering</i> , 2010 ,		1
34	Observed dryness and wetness variability in Shanghai during 1873-2005. <i>Journal of Chinese Geography</i> , 2009 , 19, 143-152	3.7	1
33	Microbes drive global soil nitrogen mineralization and availability 2019 , 25, 1078		1
32	Foliar nutrient resorption dynamics of trembling aspen and white birch during secondary succession in the boreal forest of central Canada. <i>Forest Ecology and Management</i> , 2021 , 119876	3.9	1
31	Natural forest chronosequence maintains better soil fertility indicators and assemblage of total belowground soil biota than Chinese fir monoculture in subtropical ecosystem. <i>Journal of Cleaner Production</i> , 2022 , 334, 130228	10.3	1
30	Comparison of stand characteristic parameters and biomass estimations from light detection and ranging and structure-from-motion point clouds. <i>Journal of Applied Remote Sensing</i> , 2020 , 14, 1	1.4	1
29	The effects of functional diversity and identity (acquisitive versus conservative strategies) on soil carbon stocks are dependent on environmental contexts. <i>Forest Ecology and Management</i> , 2021 , 119820 ^{3,9}		1
28	Allometric models for aboveground biomass of six common subtropical shrubs and small trees. <i>Journal of Forestry Research</i> , 1	2	1
27	Rock-Solubilizing Microbial Inoculums Have Enormous Potential as Ecological Remediation Agents to Promote Plant Growth. <i>Forests</i> , 2021 , 12, 357	2.8	1
26	Effects of Vegetation Type on Soil Shear Strength in Fengyang Mountain Nature Reserve, China. <i>Forests</i> , 2021 , 12, 490	2.8	1
25	A Multi-Objective Decision Making System (MDMS) for a Small Agricultural Watershed Based on Meta-Heuristic Optimization Coupling Simulation. <i>Water (Switzerland)</i> , 2021 , 13, 1338	3	1
24	Heat stress tolerance determines the survival and growth of introduced Canadian sugar maple in subtropical China. <i>Tree Physiology</i> , 2019 , 39, 417-426	4.2	1
23	Scaling up experimental stress responses of grass invasion to predictions of continental-level range suitability. <i>Ecology</i> , 2021 , 102, e03417	4.6	1

22	Honeycomb-like 2D metal-organic polyhedral framework exhibiting selectively adsorption of CO ₂ . <i>Journal of Solid State Chemistry</i> , 2021 , 300, 122230	3.3	1
21	Microenvironment filtering and plant competition jointly structure trait distributions across co-occurring individuals. <i>Ecological Indicators</i> , 2021 , 129, 107893	5.8	1
20	Ecosystem restoration and belowground multifunctionality: A network view.. <i>Ecological Applications</i> , 2022 , e2575	4.9	1
19	Field-based tree mortality constraint reduces estimates of model-projected forest carbon sinks.. <i>Nature Communications</i> , 2022 , 13, 2094	17.4	1
18	Advanced research tools for fungal diversity and its impact on forest ecosystem.. <i>Environmental Science and Pollution Research</i> , 2022 , 1	5.1	1
17	Linking leaf-level morphological and physiological plasticity to seedling survival and growth of introduced Canadian sugar maple to elevated precipitation under warming. <i>Forest Ecology and Management</i> , 2020 , 457, 117758	3.9	0
16	Effects of roots systems on hydrological connectivity below the soil surface in the Yellow River Delta wetland. <i>Ecohydrology</i> , e2393	2.5	0
15	Intensive plantations decouple fine root C:N:P in subtropical forests. <i>Forest Ecology and Management</i> , 2022 , 505, 119901	3.9	0
14	Contrasting plant responses to multivariate environmental variations among species with divergent elevation shifts. <i>Ecological Applications</i> , 2021 , e02488	4.9	0
13	Understory diversity are driven by resource availability rather than resource heterogeneity in subtropical forests. <i>Forest Ecology and Management</i> , 2022 , 503, 119781	3.9	0
12	Soil Water Availability Drives Changes in Community Traits Along a Hydrothermal Gradient in Loess Plateau Grasslands. <i>Rangeland Ecology and Management</i> , 2020 , 73, 276-284	2.2	0
11	Biological pretreatment of corn stover for enhancing enzymatic hydrolysis using sp. P3. <i>Bioresources and Bioprocessing</i> , 2021 , 8, 92	5.2	0
10	Water availability regulates tree mixture effects on total and heterotrophic soil respiration: A three-year field experiment. <i>Geoderma</i> , 2021 , 402, 115259	6.7	0
9	Long-Term Forest Conversion Affects Soil Stability and Humic Substances in Aggregate Fractions in Subtropical China. <i>Forests</i> , 2022 , 13, 339	2.8	0
8	Forest Conversion and Soil Depth Can Modify the Contributions of Organic and Inorganic Colloids to the Stability of Soil Aggregates. <i>Forests</i> , 2022 , 13, 546	2.8	0
7	Arbuscular Mycorrhizal Fungi Promote <i>Gleditsia sinensis</i> Root Growth under Salt Stress by Regulating Nutrient Uptake and Physiology. <i>Forests</i> , 2022 , 13, 688	2.8	0
6	Higher tree diversity is linked to higher tree mortality.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022 , 119, e2013171119	11.5	0
5	A new methyl-embedded (3,36)-connected tvt-type metalorganic framework exhibiting high H ₂ adsorption property. <i>CrystEngComm</i> , 2017 , 19, 3094-3097	3.3	

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| 4 | Carbon Gain Limitation Is the Primary Mechanism for the Elevational Distribution Limit of in the High-Altitude Plateau. <i>Frontiers in Plant Science</i> , 2018 , 9, 1129 | 6.2 |
| 3 | Plant roots and anti-scourability of soils in the Shangshe Catchment, Dabie Mountains, Anhui Province, Eastern China. <i>Frontiers of Forestry in China: Selected Publications From Chinese Universities</i> , 2009 , 4, 323-329 | |
| 2 | Tree species composition and selection effects drive overstory and understory productivity in reforested oil sands mining sites. <i>Land Degradation and Development</i> , 2021 , 32, 1135-1147 | 4.4 |
| 1 | Enhancement of saccharification of corn stover by cellulolytic enzyme produced from biomass-degrading bacteria. <i>BioResources</i> , 2022 , 17, 1301-1318 | 1.3 |