

Han Y H Chen

List of Publications by Year in descending order

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Version: 2024-02-01

389
papers

21,070
citations

10956

71
h-index

18606

119
g-index

417
all docs

417
docs citations

417
times ranked

16871
citing authors

#	ARTICLE	IF	CITATIONS
1	Positive biodiversity-productivity relationship predominant in global forests. <i>Science</i> , 2016, 354, .	6.0	864
2	Forest productivity increases with evenness, species richness and trait variation: a global meta-analysis. <i>Journal of Ecology</i> , 2012, 100, 742-749.	1.9	585
3	Global negative effects of nitrogen deposition on soil microbes. <i>ISME Journal</i> , 2018, 12, 1817-1825.	4.4	405
4	Climatic controls of decomposition drive the global biogeography of forest-tree symbioses. <i>Nature</i> , 2019, 569, 404-408.	13.7	371
5	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.	2.7	355
6	Understory Vegetation Dynamics of North American Boreal Forests. <i>Critical Reviews in Plant Sciences</i> , 2006, 25, 381-397.	2.7	320
7	Decoupling of nitrogen and phosphorus in terrestrial plants associated with global changes. <i>Nature Climate Change</i> , 2015, 5, 465-469.	8.1	318
8	Dynamics of North American boreal mixedwoods. <i>Environmental Reviews</i> , 2002, 10, 137-166.	2.1	313
9	Microbes drive global soil nitrogen mineralization and availability. <i>Global Change Biology</i> , 2019, 25, 1078-1088.	4.2	248
10	Biodiversity and ecosystem functioning relations in European forests depend on environmental context. <i>Ecology Letters</i> , 2017, 20, 1414-1426.	3.0	244
11	Global-scale patterns of nutrient resorption associated with latitude, temperature and precipitation. <i>Global Ecology and Biogeography</i> , 2009, 18, 11-18.	2.7	228
12	Global trends in senesced leaf nitrogen and phosphorus. <i>Global Ecology and Biogeography</i> , 2009, 18, 532-542.	2.7	220
13	Negative effects of fertilization on plant nutrient resorption. <i>Ecology</i> , 2015, 96, 373-380.	1.5	208
14	FIRE, LOGGING, AND OVERSTORY AFFECT UNDERSTORY ABUNDANCE, DIVERSITY, AND COMPOSITION IN BOREAL FOREST. <i>Ecological Monographs</i> , 2008, 78, 123-140.	2.4	207
15	Global-scale latitudinal patterns of plant fine-root nitrogen and phosphorus. <i>Nature Communications</i> , 2011, 2, 344.	5.8	201
16	Biomass offsets little or none of permafrost carbon release from soils, streams, and wildfire: an expert assessment. <i>Environmental Research Letters</i> , 2016, 11, 034014.	2.2	199
17	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, 3557-3562.	3.3	196
18	Patterns and Mechanisms of Nutrient Resorption in Plants. <i>Critical Reviews in Plant Sciences</i> , 2015, 34, 471-486.	2.7	191

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19	Individual size inequality links forest diversity and above-ground biomass. <i>Journal of Ecology</i> , 2015, 103, 1245-1252.	1.9	186
20	Jack-of-all-trades effects drive biodiversity-ecosystem multifunctionality relationships in European forests. <i>Nature Communications</i> , 2016, 7, 11109.	5.8	185
21	Meta-analysis shows positive effects of plant diversity on microbial biomass and respiration. <i>Nature Communications</i> , 2019, 10, 1332.	5.8	184
22	Is understory plant species diversity driven by resource quantity or resource heterogeneity?. <i>Ecology</i> , 2010, 91, 1931-1938.	1.5	180
23	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.	1.1	179
24	Tree species diversity increases fine root productivity through increased soil volume filling. <i>Journal of Ecology</i> , 2013, 101, 210-219.	1.9	175
25	Changes in nutrient concentrations of leaves and roots in response to global change factors. <i>Global Change Biology</i> , 2017, 23, 3849-3856.	4.2	174
26	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.	0.6	163
27	Differences in fine root productivity between mixed- and single-species stands. <i>Functional Ecology</i> , 2011, 25, 238-246.	1.7	162
28	How Forest Management affects Ecosystem Services, including Timber Production and Economic Return: Synergies and Trade-Offs. <i>Ecology and Society</i> , 2012, 17, .	1.0	154
29	Effects of natural resource development on the terrestrial biodiversity of Canadian boreal forests. <i>Environmental Reviews</i> , 2014, 22, 457-490.	2.1	152
30	Stand Structural Dynamics of North American Boreal Forests. <i>Critical Reviews in Plant Sciences</i> , 2006, 25, 115-137.	2.7	150
31	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.	1.9	149
32	Plant invasion is associated with higher plant-soil nutrient concentrations in nutrient-poor environments. <i>Global Change Biology</i> , 2017, 23, 1282-1291.	4.2	147
33	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.	1.6	141
34	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.	3.3	140
35	Trends in post-disturbance recovery rates of Canada's forests following wildfire and harvest. <i>Forest Ecology and Management</i> , 2016, 361, 194-207.	1.4	139
36	Influence of Environmental Variability on Root Dynamics in Northern Forests. <i>Critical Reviews in Plant Sciences</i> , 2009, 28, 179-197.	2.7	138

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37	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
38	Effects of light on growth, crown architecture, and specific leaf area for naturally established <i>Pinus contorta</i> var. <i>latifolia</i> and <i>Pseudotsuga menziesii</i> var. <i>glauca</i> saplings. <i>Canadian Journal of Forest Research</i> , 1996, 26, 1149-1157.	0.8	129
39	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, 3796-3802.	1.2	125
40	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.	2.7	125
41	Variation and evolution of C:N ratio among different organs enable plants to adapt to N-limited environments. <i>Global Change Biology</i> , 2020, 26, 2534-2543.	4.2	124
42	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
43	Importance of mixedwoods for biodiversity conservation: Evidence for understory plants, songbirds, soil fauna, and ectomycorrhizae in northern forests. <i>Environmental Reviews</i> , 2011, 19, 142-161.	2.1	120
44	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.	1.3	119
45	Water scaling of ecosystem carbon cycle feedback to climate warming. <i>Science Advances</i> , 2019, 5, eaav1131.	4.7	118
46	Multiple successional pathways of boreal forest stands in central Canada. <i>Ecography</i> , 2011, 34, 208-219.	2.1	114
47	Tree species diversity affects decomposition through modified micro-environmental conditions across European forests. <i>New Phytologist</i> , 2017, 214, 1281-1293.	3.5	112
48	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.	1.4	111
49	Long-term, amplified responses of soil organic carbon to nitrogen addition worldwide. <i>Global Change Biology</i> , 2021, 27, 1170-1180.	4.2	111
50	Global changes alter plant multi-element stoichiometric coupling. <i>New Phytologist</i> , 2019, 221, 807-817.	3.5	110
51	Effects of plant diversity on soil carbon in diverse ecosystems: a global meta-analysis. <i>Biological Reviews</i> , 2020, 95, 167-183.	4.7	107
52	Positive species diversity and aboveground biomass relationships are ubiquitous across forest strata despite interference from overstorey trees. <i>Functional Ecology</i> , 2017, 31, 419-426.	1.7	102
53	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.	0.8	98
54	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.	0.8	97

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55	Observations from old forests underestimate climate change effects on tree mortality. <i>Nature Communications</i> , 2013, 4, 1655.	5.8	97
56	Intrinsic and Extrinsic Controls of Fine Root Life Span. <i>Critical Reviews in Plant Sciences</i> , 2013, 32, 151-161.	2.7	95
57	Plant defense against fungal pathogens by antagonistic fungi with <i>Trichoderma</i> in focus. <i>Microbial Pathogenesis</i> , 2019, 129, 7-18.	1.3	95
58	Competition, species interaction and ageing control tree mortality in boreal forests. <i>Journal of Ecology</i> , 2011, 99, 1470-1480.	1.9	94
59	Competition and facilitation between tree species change with stand development. <i>Oikos</i> , 2011, 120, 1683-1695.	1.2	94
60	Intercropping improves soil nutrient availability, soil enzyme activity and tea quantity and quality. <i>Applied Soil Ecology</i> , 2017, 119, 171-178.	2.1	94
61	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.	4.2	93
62	Spatiotemporal Variations of Fire Frequency in Central Boreal Forest. <i>Ecosystems</i> , 2010, 13, 1227-1238.	1.6	91
63	Interactions between overstorey and understorey vegetation along an overstorey compositional gradient. <i>Journal of Vegetation Science</i> , 2013, 24, 543-552.	1.1	91
64	Boreal mixedwood stand dynamics: ecological processes underlying multiple pathways. <i>Forestry Chronicle</i> , 2014, 90, 202-213.	0.5	90
65	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.	2.1	90
66	Climate change-associated trends in net biomass change are age dependent in western boreal forests of Canada. <i>Ecology Letters</i> , 2016, 19, 1150-1158.	3.0	89
67	The number of tree species on Earth. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	3.3	86
68	Response of Plants to Water Stress: A Meta-Analysis. <i>Frontiers in Plant Science</i> , 2020, 11, 978.	1.7	85
69	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.	4.2	84
70	Global negative effects of nutrient enrichment on arbuscular mycorrhizal fungi, plant diversity and ecosystem multifunctionality. <i>New Phytologist</i> , 2021, 229, 2957-2969.	3.5	84
71	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.	2.1	83
72	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.	1.4	80

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73	Tree diversity is key for promoting the diversity and abundance of forest-associated taxa in Europe. <i>Oikos</i> , 2020, 129, 133-146.	1.2	80
74	Global meta-analysis on the responses of soil extracellular enzyme activities to warming. <i>Science of the Total Environment</i> , 2020, 705, 135992.	3.9	79
75	Fine root dynamics with stand development in the boreal forest. <i>Functional Ecology</i> , 2012, 26, 991-998.	1.7	76
76	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.	3.0	76
77	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.	1.4	76
78	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.	3.9	76
79	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.	3.9	75
80	Detection of trends in precipitation during 1960–2008 in Jiangxi province, southeast China. <i>Theoretical and Applied Climatology</i> , 2013, 114, 237-251.	1.3	74
81	Continental mapping of forest ecosystem functions reveals a high but unrealised potential for forest multifunctionality. <i>Ecology Letters</i> , 2018, 21, 31-42.	3.0	74
82	Climate change-associated tree mortality increases without decreasing water availability. <i>Ecology Letters</i> , 2015, 18, 1207-1215.	3.0	73
83	Global effects of plant litter alterations on soil CO_2 to the atmosphere. <i>Global Change Biology</i> , 2018, 24, 3462-3471.	4.2	73
84	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.	1.7	72
85	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.	2.1	72
86	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.	1.9	70
87	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.	0.8	69
88	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.	0.8	69
89	Stability of Soil Carbon Stocks Varies with Forest Composition in the Canadian Boreal Biome. <i>Ecosystems</i> , 2013, 16, 852-865.	1.6	69
90	Site index, site quality, and foliar nutrients of trembling aspen: relationships and predictions. <i>Canadian Journal of Forest Research</i> , 1998, 28, 1743-1755.	0.8	68

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91	Role of environmental factors in shaping the soil microbiome. <i>Environmental Science and Pollution Research</i> , 2020, 27, 41225-41247.	2.7	68
92	Negative to positive shifts in diversity effects on soil nitrogen over time. <i>Nature Sustainability</i> , 2021, 4, 225-232.	11.5	67
93	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.	1.7	66
94	Effects of Forest Type and Disturbance on Diversity of Coarse Woody Debris in Boreal Forest. <i>Ecosystems</i> , 2008, 11, 1078-1090.	1.6	65
95	Response of Six Boreal Tree Species to Stand Replacing Fire and Clearcutting. <i>Ecosystems</i> , 2009, 12, 820-829.	1.6	65
96	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.	1.9	65
97	Soil organic carbon stabilization mechanisms in a subtropical mangrove and salt marsh ecosystems. <i>Science of the Total Environment</i> , 2019, 673, 502-510.	3.9	65
98	Wildfire promotes broadleaves and species mixture in boreal forest. <i>Forest Ecology and Management</i> , 2009, 257, 343-350.	1.4	64
99	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.	0.7	64
100	Silicon-mediated plant defense against pathogens and insect pests. <i>Pesticide Biochemistry and Physiology</i> , 2020, 168, 104641.	1.6	62
101	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.	4.2	61
102	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.	1.9	61
103	Does species richness affect fine root biomass and production in young forest plantations?. <i>Oecologia</i> , 2015, 177, 581-594.	0.9	61
104	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.	1.9	61
105	Soil enzyme activities increase following restoration of degraded subtropical forests. <i>Geoderma</i> , 2019, 351, 180-187.	2.3	61
106	Plant diversity loss reduces soil respiration across terrestrial ecosystems. <i>Global Change Biology</i> , 2019, 25, 1482-1492.	4.2	61
107	Plant mixture balances terrestrial ecosystem C:N:P stoichiometry. <i>Nature Communications</i> , 2021, 12, 4562.	5.8	61
108	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.	2.9	60

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109	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
110	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.	0.7	59
111	Afforestation promotes the enhancement of forest LAI and NPP in China. <i>Forest Ecology and Management</i> , 2020, 462, 117990.	1.4	59
112	Identifying the tree species compositions that maximize ecosystem functioning in European forests. <i>Journal of Applied Ecology</i> , 2019, 56, 733-744.	1.9	58
113	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.	0.8	57
114	Climate change impacts on boreal forest timber supply. <i>Forest Policy and Economics</i> , 2018, 92, 11-21.	1.5	57
115	Drought stress induced increase of fungi:bacteria ratio in a poplar plantation. <i>Catena</i> , 2020, 193, 104607.	2.2	57
116	The Contribution of Litterfall to Net Primary Production During Secondary Succession in the Boreal Forest. <i>Ecosystems</i> , 2017, 20, 830-844.	1.6	55
117	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.	0.8	53
118	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.	1.1	53
119	Using functional trait diversity patterns to disentangle the scale-dependent ecological processes in a subtropical forest. <i>Functional Ecology</i> , 2018, 32, 1379-1389.	1.7	53
120	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.	1.4	52
121	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.	2.7	52
122	Light availability and photosynthesis of <i>Pseudotsuga menziesii</i> seedlings grown in the open and in the forest understorey. <i>Tree Physiology</i> , 1997, 17, 23-29.	1.4	51
123	The direct regeneration hypothesis in northern forests. <i>Journal of Vegetation Science</i> , 2009, 20, 735-744.	1.1	51
124	Impacts of hydraulic redistribution on grass-tree competition vs facilitation in a semi-arid savanna. <i>New Phytologist</i> , 2017, 215, 1451-1461.	3.5	51
125	Comparative effects of simulated acid rain of different ratios of SO ₄ ²⁻ to NO ₃ ⁻ on fine root in subtropical plantation of China. <i>Science of the Total Environment</i> , 2018, 618, 336-346.	3.9	51
126	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.	4.2	51

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127	How long do trees take to reach breast height after fire in northeastern Ontario?. Canadian Journal of Forest Research, 2002, 32, 1889-1892.	0.8	50
128	Canopy gap disturbance and succession in trembling aspen dominated boreal forests in northeastern Ontario. Canadian Journal of Forest Research, 2005, 35, 1942-1951.	0.8	50
129	Tissue-specific transcriptome for <i>Dendrobium officinale</i> reveals genes involved in flavonoid biosynthesis. Genomics, 2020, 112, 1781-1794.	1.3	50
130	Whole soil acidification and base cation reduction across subtropical China. Geoderma, 2020, 361, 114107.	2.3	50
131	Tree-size diversity between single- and mixed-species stands in three forest types in western Canada. Canadian Journal of Forest Research, 2005, 35, 593-601.	0.8	49
132	A test of ecological succession hypotheses using 55-year time-series data for 361 boreal forest stands. Global Ecology and Biogeography, 2012, 21, 441-454.	2.7	49
133	Multiple interactions between tree composition and diversity and microbial diversity underly litter decomposition. Geoderma, 2019, 341, 161-171.	2.3	49
134	The Influence of Recent Climate Change on Tree Height Growth Differs with Species and Spatial Environment. PLoS ONE, 2011, 6, e14691.	1.1	48
135	Impacts of forest conversion on soil bacterial community composition and diversity in subtropical forests. Catena, 2019, 175, 167-173.	2.2	47
136	Projected effects of climate change on boreal bird community accentuated by anthropogenic disturbances in western boreal forest, Canada. Diversity and Distributions, 2020, 26, 668-682.	1.9	47
137	Arbuscular Mycorrhizal Fungi Associated with Tree Species in a Planted Forest of Eastern China. Forests, 2019, 10, 424.	0.9	46
138	Simulation of extreme precipitation indices in the Yangtze River basin by using statistical downscaling method (SDSM). Theoretical and Applied Climatology, 2012, 108, 325-343.	1.3	45
139	Spatial and Temporal Variability of Precipitation and Dryness/Wetness During 1961-2008 in Sichuan Province, West China. Water Resources Management, 2014, 28, 1655-1670.	1.9	45
140	Vegetation change impacts on soil organic carbon chemical composition in subtropical forests. Scientific Reports, 2016, 6, 29607.	1.6	45
141	Plant defense against virus diseases; growth hormones in highlights. Plant Signaling and Behavior, 2019, 14, 1596719.	1.2	45
142	Fertilization of SRC Willow, I: Biomass Production Response. Bioenergy Research, 2014, 7, 319-328.	2.2	44
143	Analysis of <i>Dendrobium huoshanense</i> transcriptome unveils putative genes associated with active ingredients synthesis. BMC Genomics, 2018, 19, 978.	1.2	44
144	Impacts of changes in vegetation on saturated hydraulic conductivity of soil in subtropical forests. Scientific Reports, 2019, 9, 8372.	1.6	43

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145	Multiple abiotic and biotic drivers of aboveground biomass shift with forest stratum. <i>Forest Ecology and Management</i> , 2019, 436, 1-10.	1.4	43
146	Meta-analysis shows that plant mixtures increase soil phosphorus availability and plant productivity in diverse ecosystems. <i>Nature Ecology and Evolution</i> , 2022, 6, 1112-1121.	3.4	43
147	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.	1.2	42
148	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.	2.9	41
149	Multiple drivers of plant diversity in forest ecosystems. <i>Global Ecology and Biogeography</i> , 2014, 23, 885-893.	2.7	41
150	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.	2.7	41
151	Persistent and pervasive compositional shifts of western boreal forest plots in Canada. <i>Global Change Biology</i> , 2017, 23, 857-866.	4.2	41
152	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.	0.9	41
153	Black Spruce Soils Accumulate More Uncomplexed Organic Matter than Aspen Soils. <i>Soil Science Society of America Journal</i> , 2011, 75, 1125-1132.	1.2	40
154	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.	1.6	40
155	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.	3.0	39
156	Responses of C:N stoichiometry in plants, soil, and microorganisms to nitrogen addition. <i>Plant and Soil</i> , 2020, 456, 277-287.	1.8	39
157	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.	1.3	38
158	Decline in Net Ecosystem Productivity Following Canopy Transition to Late-Succession Forests. <i>Ecosystems</i> , 2014, 17, 778-791.	1.6	38
159	Biomass and Its Allocation in Relation to Temperature, Precipitation, and Soil Nutrients in Inner Mongolia Grasslands, China. <i>PLoS ONE</i> , 2013, 8, e69561.	1.1	38
160	Effects of stand age, wildfire and clearcut harvesting on forest floor in boreal mixedwood forests. <i>Plant and Soil</i> , 2010, 336, 267-277.	1.8	37
161	Mechanisms Regulating Epiphytic Plant Diversity. <i>Critical Reviews in Plant Sciences</i> , 2012, 31, 391-400.	2.7	37
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166	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.	1.1	35
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226	Biogeographic patterns of nutrient resorption from <i>Quercus variabilis</i> leaves across China. <i>Plant Biology</i> , 2016, 18, 505-513.	1.8	23
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243	Ecosystem memory of wildfires affects resilience of boreal mixedwood biodiversity after retention harvest. <i>Oikos</i> , 2017, 126, 1738-1747.	1.2	21
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293	Tree species composition and nutrient availability affect soil microbial diversity and composition across forest types in subtropical China. <i>Catena</i> , 2021, 201, 105224.	2.2	14
294	The abundance and community structure of soil arthropods in reclaimed coastal saline soil of managed poplar plantations. <i>Geoderma</i> , 2018, 327, 130-137.	2.3	13
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300	Changing characteristics of wet/dry spells during 1961–2008 in Sichuan province, southwest China. <i>Theoretical and Applied Climatology</i> , 2017, 127, 129-141.	1.3	12
301	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.	1.5	12
302	Small RNAs from Seed to Mature Plant. <i>Critical Reviews in Plant Sciences</i> , 2019, 38, 117-139.	2.7	12
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309	Salvage logging and forest renewal affect early aspen stand structure after catastrophic wind. <i>Forest Ecology and Management</i> , 2013, 308, 1-8.	1.4	11
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