

Han Y H Chen

List of Publications by Year in Descending Order

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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	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
380	Plant diversity increases the abundance and diversity of soil fauna: A meta-analysis. <i>Geoderma</i> , 2022 , 411, 115694	6.7	2
379	Smartforests Canada: A Network of Monitoring Plots for Forest Management Under Environmental Change. <i>Managing Forest Ecosystems</i> , 2022 , 521-543	0.7	3
378	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
377	Intensive plantations decouple fine root C:N:P in subtropical forests. <i>Forest Ecology and Management</i> , 2022 , 505, 119901	3.9	0
376	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
375	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	13	5
374	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
373	Enhancement of saccharification of corn stover by cellulolytic enzyme produced from biomass-degrading bacteria. <i>BioResources</i> , 2022 , 17, 1301-1318	1.3	
372	Ecosystem restoration and belowground multifunctionality: A network view.. <i>Ecological Applications</i> , 2022 , e2575	4.9	1
371	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
370	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
369	Field-based tree mortality constraint reduces estimates of model-projected forest carbon sinks.. <i>Nature Communications</i> , 2022 , 13, 2094	17.4	1
368	Advanced research tools for fungal diversity and its impact on forest ecosystem.. <i>Environmental Science and Pollution Research</i> , 2022 , 1	5.1	1
367	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
366	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
365	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

364	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
363	Contrasting plant responses to multivariate environmental variations among species with divergent elevation shifts. <i>Ecological Applications</i> , 2021 , e02488	4.9	0
362	Global soil microbial biomass decreases with aridity and land-use intensification. <i>Global Ecology and Biogeography</i> , 2021 , 30, 1056-1069	6.1	6
361	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
360	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
359	Rock-Solubilizing Microbial Inoculums Have Enormous Potential as Ecological Remediation Agents to Promote Plant Growth. <i>Forests</i> , 2021 , 12, 357	2.8	1
358	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
357	Effects of Vegetation Type on Soil Shear Strength in Fengyang Mountain Nature Reserve, China. <i>Forests</i> , 2021 , 12, 490	2.8	1
356	Rapid functional shifts across high latitude forests over the last 650 years. <i>Global Change Biology</i> , 2021 , 27, 3846-3858	11.4	2
355	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
354	Asymmetric responses of terrestrial C:N:P stoichiometry to precipitation change. <i>Global Ecology and Biogeography</i> , 2021 , 30, 1724-1735	6.1	5
353	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
352	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
351	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
350	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
349	Plant mixture balances terrestrial ecosystem C:N:P stoichiometry. <i>Nature Communications</i> , 2021 , 12, 4562	17.4	13
348	Arbuscular mycorrhizal fungi communities associated with wild plants in a coastal ecosystem. <i>Journal of Forestry Research</i> , 2021 , 32, 683-695	2	5
347	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

346	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
345	The stoichiometry of leaf nitrogen and phosphorus resorption in plantation forests. <i>Forest Ecology and Management</i> , 2021 , 483, 118743	3.9	2
344	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	
343	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
342	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
341	Understory 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
340	Negative to positive shifts in diversity effects on soil nitrogen over time. <i>Nature Sustainability</i> , 2021 , 4, 225-232	22.1	20
339	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
338	Long-term, amplified responses of soil organic carbon to nitrogen addition worldwide. <i>Global Change Biology</i> , 2021 , 27, 1170-1180	11.4	26
337	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
336	Effects of Mineral-Solubilizing Microorganisms on Root Growth, Soil Nutrient Content, and Enzyme Activities in the Rhizosphere Soil of Robinia pseudoacacia. <i>Forests</i> , 2021 , 12, 60	2.8	5
335	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
334	Scaling up experimental stress responses of grass invasion to predictions of continental-level range suitability. <i>Ecology</i> , 2021 , 102, e03417	4.6	1
333	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
332	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
331	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
330	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
329	Biological pretreatment of corn stover for enhancing enzymatic hydrolysis using sp. P3. <i>Bioresources and Bioprocessing</i> , 2021 , 8, 92	5.2	0

328	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
327	Restoration in degraded subtropical broadleaved forests induces changes in soil bacterial communities. <i>Global Ecology and Conservation</i> , 2021 , 30, e01775	2.8	2
326	Microenvironment filtering and plant competition jointly structure trait distributions across co-occurring individuals. <i>Ecological Indicators</i> , 2021 , 129, 107893	5.8	1
325	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
324	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
323	High-level rather than low-level warming destabilizes plant community biomass production. <i>Journal of Ecology</i> , 2021 , 109, 1607-1617	6	3
322	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
321	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
320	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	11
319	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
318	Global variations and controlling factors of soil nitrogen turnover rate. <i>Earth-Science Reviews</i> , 2020 , 207, 103250	10.2	10
317	Drought stress induced increase of fungi:bacteria ratio in a poplar plantation. <i>Catena</i> , 2020 , 193, 104607	5.8	23
316	Traits mediate drought effects on wood carbon fluxes. <i>Global Change Biology</i> , 2020 , 26, 3429-3442	11.4	6
315	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
314	Response of Plants to Water Stress: A Meta-Analysis. <i>Frontiers in Plant Science</i> , 2020 , 11, 978	6.2	26
313	Silicon-mediated plant defense against pathogens and insect pests. <i>Pesticide Biochemistry and Physiology</i> , 2020 , 168, 104641	4.9	23
312	Global pattern and drivers of nitrogen saturation threshold of grassland productivity. <i>Functional Ecology</i> , 2020 , 34, 1979-1990	5.6	8
311	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

310	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
309	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
308	Afforestation promotes the enhancement of forest LAI and NPP in China. <i>Forest Ecology and Management</i> , 2020 , 462, 117990	3.9	27
307	The stoichiometry of soil microbial biomass determines metabolic quotient of nitrogen mineralization. <i>Environmental Research Letters</i> , 2020 , 15, 034005	6.2	10
306	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
305	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
304	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
303	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
302	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
301	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
300	Biochar-Induced Priming Effects in Young and Old Poplar Plantation Soils. <i>Phyton</i> , 2020 , 89, 13-26	2.1	2
299	Plant-insect vector-virus interactions under environmental change. <i>Science of the Total Environment</i> , 2020 , 701, 135044	10.2	11
298	Tissue-specific transcriptome for <i>Dendrobium officinale</i> reveals genes involved in flavonoid biosynthesis. <i>Genomics</i> , 2020 , 112, 1781-1794	4.3	19
297	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
296	Functional diversity enhances, but exploitative traits reduce tree mixture effects on microbial biomass. <i>Functional Ecology</i> , 2020 , 34, 276-286	5.6	7
295	Long term forest conversion affected soil nanoscale pores in subtropical China. <i>Catena</i> , 2020 , 185, 104289	3.9	7
294	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
293	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

292	Whole soil acidification and base cation reduction across subtropical China. <i>Geoderma</i> , 2020 , 361, 114107-7	22
291	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
290	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
289	Cellulose dominantly affects soil fauna in the decomposition of forest litter: A meta-analysis. <i>Geoderma</i> , 2020 , 378, 114620	6.7 5
288	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
287	Latitudinal Diversity Gradients and Rapoport Effects in Chinese Endemic Woody Seed Plants. <i>Forests</i> , 2020 , 11, 1029	2.8 2
286	Evaluating Heathland Restoration Belowground Using Different Quality Indices of Soil Chemical and Biological Properties. <i>Agronomy</i> , 2020 , 10, 1140	3.6 3
285	Functional and phylogenetic diversity promote litter decomposition across terrestrial ecosystems. <i>Global Ecology and Biogeography</i> , 2020 , 29, 2261-2272	6.1 7
284	Decadal-Scale Recovery of Carbon Stocks After Wildfires Throughout the Boreal Forests. <i>Global Biogeochemical Cycles</i> , 2020 , 34, e2020GB006612	5.9 6
283	Role of environmental factors in shaping the soil microbiome. <i>Environmental Science and Pollution Research</i> , 2020 , 27, 41225-41247	5.1 16
282	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
281	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
280	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
279	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
278	Coniferization of the mixed-wood boreal forests under warm climate. <i>Journal of Quaternary Science</i> , 2019 , 34, 509-518	2.3 1
277	Understory Vegetation Dynamics across a Poplar Plantation Chronosequence in Reclaimed Coastal Saline Soil. <i>Forests</i> , 2019 , 10, 764	2.8 3
276	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
275	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

274	Tree species diversity promotes litterfall productivity through crown complementarity in subtropical forests. <i>Journal of Ecology</i> , 2019 , 107, 1852-1861	6	20
273	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
272	Plant defense against fungal pathogens by antagonistic fungi with <i>Trichoderma</i> in focus. <i>Microbial Pathogenesis</i> , 2019 , 129, 7-18	3.8	59
271	Multiple interactions between tree composition and diversity and microbial diversity underly litter decomposition. <i>Geoderma</i> , 2019 , 341, 161-171	6.7	24
270	Spatial heterogeneity of heavy metal contamination in soils and plants in Hefei, China. <i>Scientific Reports</i> , 2019 , 9, 1049	4.9	21
269	Arbuscular Mycorrhizal Fungi Associated with Tree Species in a Planted Forest of Eastern China. <i>Forests</i> , 2019 , 10, 424	2.8	20
268	Impacts of changes in vegetation on saturated hydraulic conductivity of soil in subtropical forests. <i>Scientific Reports</i> , 2019 , 9, 8372	4.9	25
267	Soil enzyme activities increase following restoration of degraded subtropical forests. <i>Geoderma</i> , 2019 , 351, 180-187	6.7	38
266	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
265	Small RNAs from Seed to Mature Plant. <i>Critical Reviews in Plant Sciences</i> , 2019 , 38, 117-139	5.6	8
264	Climatic controls of decomposition drive the global biogeography of forest-tree symbioses. <i>Nature</i> , 2019 , 569, 404-408	50.4	203
263	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
262	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
261	Meta-analysis shows positive effects of plant diversity on microbial biomass and respiration. <i>Nature Communications</i> , 2019 , 10, 1332	17.4	89
260	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
259	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
258	Plant defense against virus diseases; growth hormones in highlights. <i>Plant Signaling and Behavior</i> , 2019 , 14, 1596719	2.5	20
257	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

256	Divergent temporal trends of net biomass change in western Canadian boreal forests. <i>Journal of Ecology</i> , 2019 , 107, 69-78	6	8
255	Water scaling of ecosystem carbon cycle feedback to climate warming. <i>Science Advances</i> , 2019 , 5, eaav11313	11.3	56
254	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
253	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
252	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
251	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
250	Forest Understorey Vegetation: Colonization and the Availability and Heterogeneity of Resources. <i>Forests</i> , 2019 , 10, 944	2.8	16
249	Microbes drive global soil nitrogen mineralization and availability 2019 , 25, 1078		1
248	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
247	Unimodal diversity-productivity relationship emerged under stressful environment through sampling effect. <i>Ecological Informatics</i> , 2019 , 50, 131-135	4.2	2
246	Stand age and species composition effects on surface albedo in a mixedwood boreal forest. <i>Biogeosciences</i> , 2019 , 16, 4357-4375	4.6	5
245	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
244	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
243	Global changes alter plant multi-element stoichiometric coupling. <i>New Phytologist</i> , 2019 , 221, 807-817	9.8	60
242	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	11.4	17
241	Impacts of forest conversion on soil bacterial community composition and diversity in subtropical forests. <i>Catena</i> , 2019 , 175, 167-173	5.8	23
240	Microbes drive global soil nitrogen mineralization and availability. <i>Global Change Biology</i> , 2019 , 25, 1078-1088	11.4	103
239	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

238	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
237	Plant diversity loss reduces soil respiration across terrestrial ecosystems. <i>Global Change Biology</i> , 2019 , 25, 1482	11.4	33
236	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
235	Morphological and microscopic identification of three major medicinal Dendrobium species in Ta-pieh Mountains area. <i>Microscopy Research and Technique</i> , 2019 , 82, 483-493	2.8	5
234	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
233	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
232	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
231	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
230	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
229	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
228	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
227	Effects of plant diversity on soil carbon in diverse ecosystems: a global meta-analysis. <i>Biological Reviews</i> , 2019 , 95, 167	13.5	44
226	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
225	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
224	Climate change impacts on boreal forest timber supply. <i>Forest Policy and Economics</i> , 2018 , 92, 11-21	3.6	36
223	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
222	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
221	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

220	Linking intraspecific trait variability and spatial patterns of subtropical trees. <i>Oecologia</i> , 2018 , 186, 793-803	6
219	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
218	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
217	Global negative effects of nitrogen deposition on soil microbes. <i>ISME Journal</i> , 2018 , 12, 1817-1825	11.9 213
216	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
215	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
214	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
213	Reclamation strategies for mined forest soils and overstorey drive understorey vegetation. <i>Journal of Applied Ecology</i> , 2018 , 55, 926-936	5.8 30
212	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
211	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
210	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
209	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
208	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
207	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
206	Carbon Storage Declines in Old Boreal Forests Irrespective of Succession Pathway. <i>Ecosystems</i> , 2018 , 21, 1168-1182	3.9 15
205	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
204	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
203	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

202	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
201	Soil Aggregation and Organic Carbon Dynamics in Poplar Plantations. <i>Forests</i> , 2018 , 9, 508	2.8	16
200	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
199	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
198	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
197	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
196	Partitioning beta diversity in a tropical karst seasonal rainforest in Southern China. <i>Scientific Reports</i> , 2018 , 8, 17408	4.9	8
195	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
194	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
193	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
192	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
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174	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
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172	Biodiversity and ecosystem functioning relations in European forests depend on environmental context. <i>Ecology Letters</i> , 2017 , 20, 1414-1426	10	149
171	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
170	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
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111	Negative effects of fertilization on plant nutrient resorption. <i>Ecology</i> , 2015 , 96, 373-80	4.6	142
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