

Nian-Peng He

List of Publications by Year in descending order

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Version: 2024-02-01

218
papers

10,798
citations

30070

54
h-index

42399

92
g-index

224
all docs

224
docs citations

224
times ranked

8584
citing authors

#	ARTICLE	IF	CITATIONS
1	Stabilization of atmospheric nitrogen deposition in China over the past decade. <i>Nature Geoscience</i> , 2019, 12, 424-429.	12.9	490
2	Effects of national ecological restoration projects on carbon sequestration in China from 2001 to 2010. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 4039-4044.	7.1	486
3	Carbon pools in China's terrestrial ecosystems: New estimates based on an intensive field survey. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 4021-4026.	7.1	466
4	The composition, spatial patterns, and influencing factors of atmospheric wet nitrogen deposition in Chinese terrestrial ecosystems. <i>Science of the Total Environment</i> , 2015, 511, 777-785.	8.0	272
5	Linking stoichiometric homeostasis with ecosystem structure, functioning and stability. <i>Ecology Letters</i> , 2010, 13, 1390-1399.	6.4	271
6	Microbes drive global soil nitrogen mineralization and availability. <i>Global Change Biology</i> , 2019, 25, 1078-1088.	9.5	248
7	Soil enzyme activity and stoichiometry in forest ecosystems along the North-South Transect in eastern China (NSTEC). <i>Soil Biology and Biochemistry</i> , 2017, 104, 152-163.	8.8	245
8	Spatial and decadal variations in inorganic nitrogen wet deposition in China induced by human activity. <i>Scientific Reports</i> , 2014, 4, 3763.	3.3	243
9	Factors Influencing Leaf Chlorophyll Content in Natural Forests at the Biome Scale. <i>Frontiers in Ecology and Evolution</i> , 2018, 6, .	2.2	240
10	Patterns of plant carbon, nitrogen, and phosphorus concentration in relation to productivity in China's terrestrial ecosystems. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 4033-4038.	7.1	227
11	The variations in soil microbial communities, enzyme activities and their relationships with soil organic matter decomposition along the northern slope of Changbai Mountain. <i>Applied Soil Ecology</i> , 2015, 86, 19-29.	4.3	174
12	Stoichiometric homeostasis of vascular plants in the Inner Mongolia grassland. <i>Oecologia</i> , 2011, 166, 1-10.	2.0	171
13	Convergent responses of nitrogen and phosphorus resorption to nitrogen inputs in a semiarid grassland. <i>Global Change Biology</i> , 2013, 19, 2775-2784.	9.5	171
14	C:N:P stoichiometry in China's forests: From organs to ecosystems. <i>Functional Ecology</i> , 2018, 32, 50-60.	3.6	168
15	A synthesis of the effect of grazing exclusion on carbon dynamics in grasslands in China. <i>Global Change Biology</i> , 2016, 22, 1385-1393.	9.5	157
16	A global synthesis of the rate and temperature sensitivity of soil nitrogen mineralization: latitudinal patterns and mechanisms. <i>Global Change Biology</i> , 2017, 23, 455-464.	9.5	151
17	Ecosystem Traits Linking Functional Traits to Macroecology. <i>Trends in Ecology and Evolution</i> , 2019, 34, 200-210.	8.7	140
18	Nitrogen enrichment weakens ecosystem stability through decreased species asynchrony and population stability in a temperate grassland. <i>Global Change Biology</i> , 2016, 22, 1445-1455.	9.5	139

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19	Rapid plant species loss at high rates and at low frequency of N addition in temperate steppe. <i>Global Change Biology</i> , 2014, 20, 3520-3529.	9.5	132
20	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.	9.5	124
21	Water use efficiency threshold for terrestrial ecosystem carbon sequestration in China under afforestation. <i>Agricultural and Forest Meteorology</i> , 2014, 195-196, 32-37.	4.8	118
22	Variation of stomatal traits from cold temperate to tropical forests and association with water use efficiency. <i>Functional Ecology</i> , 2018, 32, 20-28.	3.6	115
23	Imbalanced atmospheric nitrogen and phosphorus depositions in China: Implications for nutrient limitation. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2016, 121, 1605-1616.	3.0	113
24	Climate warming impacts on soil organic carbon fractions and aggregate stability in a Tibetan alpine meadow. <i>Soil Biology and Biochemistry</i> , 2018, 116, 224-236.	8.8	108
25	Plant Trait Networks: Improved Resolution of the Dimensionality of Adaptation. <i>Trends in Ecology and Evolution</i> , 2020, 35, 908-918.	8.7	107
26	Soil organic matter availability and climate drive latitudinal patterns in bacterial diversity from tropical to cold temperate forests. <i>Functional Ecology</i> , 2018, 32, 61-70.	3.6	106
27	Long-term effects of different land use types on C, N, and P stoichiometry and storage in subtropical ecosystems: A case study in China. <i>Ecological Engineering</i> , 2014, 67, 171-181.	3.6	104
28	Regional variation in the temperature sensitivity of soil organic matter decomposition in China's forests and grasslands. <i>Global Change Biology</i> , 2017, 23, 3393-3402.	9.5	101
29	Coordinated pattern of multi-element variability in leaves and roots across Chinese forest biomes. <i>Global Ecology and Biogeography</i> , 2016, 25, 359-367.	5.8	99
30	Leaf morphological and anatomical traits from tropical to temperate coniferous forests: Mechanisms and influencing factors. <i>Scientific Reports</i> , 2016, 6, 19703.	3.3	93
31	Altered trends in carbon uptake in China's terrestrial ecosystems under the enhanced summer monsoon and warming hiatus. <i>National Science Review</i> , 2019, 6, 505-514.	9.5	93
32	Development of atmospheric acid deposition in China from the 1990s to the 2010s. <i>Environmental Pollution</i> , 2017, 231, 182-190.	7.5	92
33	Vegetation carbon sequestration in Chinese forests from 2010 to 2050. <i>Global Change Biology</i> , 2017, 23, 1575-1584.	9.5	90
34	Global inorganic nitrogen dry deposition inferred from ground- and space-based measurements. <i>Scientific Reports</i> , 2016, 6, 19810.	3.3	86
35	Carbon storage in China's terrestrial ecosystems: A synthesis. <i>Scientific Reports</i> , 2018, 8, 2806.	3.3	86
36	Variation in leaf anatomical traits from tropical to cold temperate forests and linkage to ecosystem functions. <i>Functional Ecology</i> , 2018, 32, 10-19.	3.6	82

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37	Changes in carbon and nitrogen in soil particle-size fractions along a grassland restoration chronosequence in northern China. <i>Geoderma</i> , 2009, 150, 302-308.	5.1	78
38	Latitudinal variation of leaf stomatal traits from species to community level in forests: linkage with ecosystem productivity. <i>Scientific Reports</i> , 2015, 5, 14454.	3.3	77
39	Nitrogen Addition Regulates Soil Nematode Community Composition through Ammonium Suppression. <i>PLoS ONE</i> , 2012, 7, e43384.	2.5	77
40	The Altitudinal Patterns of Leaf C:N:P Stoichiometry Are Regulated by Plant Growth Form, Climate and Soil on Changbai Mountain, China. <i>PLoS ONE</i> , 2014, 9, e95196.	2.5	76
41	Nitrogen addition does not reduce the role of spatial asynchrony in stabilising grassland communities. <i>Ecology Letters</i> , 2019, 22, 563-571.	6.4	75
42	Climate variability decreases species richness and community stability in a temperate grassland. <i>Oecologia</i> , 2018, 188, 183-192.	2.0	74
43	Deforestation decreases spatial turnover and alters the network interactions in soil bacterial communities. <i>Soil Biology and Biochemistry</i> , 2018, 123, 80-86.	8.8	73
44	Mowing exacerbates the loss of ecosystem stability under nitrogen enrichment in a temperate grassland. <i>Functional Ecology</i> , 2017, 31, 1637-1646.	3.6	71
45	Invariant allometric scaling of nitrogen and phosphorus in leaves, stems, and fine roots of woody plants along an altitudinal gradient. <i>Journal of Plant Research</i> , 2016, 129, 647-657.	2.4	68
46	The optimum temperature of soil microbial respiration: Patterns and controls. <i>Soil Biology and Biochemistry</i> , 2018, 121, 35-42.	8.8	68
47	Soil and vegetation carbon turnover times from tropical to boreal forests. <i>Functional Ecology</i> , 2018, 32, 71-82.	3.6	68
48	Different phylogenetic and environmental controls of first-order root morphological and nutrient traits: Evidence of multidimensional root traits. <i>Functional Ecology</i> , 2018, 32, 29-39.	3.6	66
49	Variation in leaf chlorophyll concentration from tropical to cold-temperate forests: Association with gross primary productivity. <i>Ecological Indicators</i> , 2018, 85, 383-389.	6.3	66
50	Anthropogenic reactive nitrogen deposition and associated nutrient limitation effect on gross primary productivity in inland water of China. <i>Journal of Cleaner Production</i> , 2019, 208, 530-540.	9.3	64
51	Variation in leaf morphological, stomatal, and anatomical traits and their relationships in temperate and subtropical forests. <i>Scientific Reports</i> , 2019, 9, 5803.	3.3	61
52	Carbon sequestration of Chinese forests from 2010 to 2060: spatiotemporal dynamics and its regulatory strategies. <i>Science Bulletin</i> , 2022, 67, 836-843.	9.0	60
53	Elevational gradient affect functional fractions of soil organic carbon and aggregates stability in a Tibetan alpine meadow. <i>Catena</i> , 2017, 156, 139-148.	5.0	59
54	Equilibration of the terrestrial water, nitrogen, and carbon cycles: Advocating a health threshold for carbon storage. <i>Ecological Engineering</i> , 2013, 57, 366-374.	3.6	58

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55	Forest carbon storage along the north-south transect of eastern China: Spatial patterns, allocation, and influencing factors. <i>Ecological Indicators</i> , 2016, 61, 960-967.	6.3	58
56	Increased soil organic carbon storage in Chinese terrestrial ecosystems from the 1980s to the 2010s. <i>Journal of Chinese Geography</i> , 2019, 29, 49-66.	3.9	58
57	Effects of Temperature and Moisture on Soil Organic Matter Decomposition Along Elevation Gradients on the Changbai Mountains, Northeast China. <i>Pedosphere</i> , 2016, 26, 399-407.	4.0	57
58	Coupled effects of biogeochemical and hydrological processes on C, N, and P export during extreme rainfall events in a purple soil watershed in southwestern China. <i>Journal of Hydrology</i> , 2014, 511, 692-702.	5.4	55
59	Leaf non-structural carbohydrates regulated by plant functional groups and climate: Evidences from a tropical to cold-temperate forest transect. <i>Ecological Indicators</i> , 2016, 62, 22-31.	6.3	55
60	Testing the Growth Rate Hypothesis in Vascular Plants with Above- and Below-Ground Biomass. <i>PLoS ONE</i> , 2012, 7, e32162.	2.5	55
61	Increase in ammonia volatilization from soil in response to N deposition in Inner Mongolia grasslands. <i>Atmospheric Environment</i> , 2014, 84, 156-162.	4.1	54
62	New insight into global blue carbon estimation under human activity in land-sea interaction area: A case study of China. <i>Earth-Science Reviews</i> , 2016, 159, 36-46.	9.1	54
63	Joint structural and physiological control on the interannual variation in productivity in a temperate grassland: A data-model comparison. <i>Global Change Biology</i> , 2018, 24, 2965-2979.	9.5	53
64	Patterns and regulating mechanisms of soil nitrogen mineralization and temperature sensitivity in Chinese terrestrial ecosystems. <i>Agriculture, Ecosystems and Environment</i> , 2016, 215, 40-46.	5.3	52
65	Allocation strategies for nitrogen and phosphorus in forest plants. <i>Oikos</i> , 2018, 127, 1506-1514.	2.7	52
66	Biomass energy in China's terrestrial ecosystems: Insights into the nation's sustainable energy supply. <i>Renewable and Sustainable Energy Reviews</i> , 2020, 127, 109857.	16.4	51
67	Microbial metabolic response to winter warming stabilizes soil carbon. <i>Global Change Biology</i> , 2021, 27, 2011-2028.	9.5	50
68	Nitrogen loss from karst area in China in recent 50 years: An in-situ simulated rainfall experiment's assessment. <i>Ecology and Evolution</i> , 2017, 7, 10131-10142.	1.9	49
69	Conservative allocation strategy of multiple nutrients among major plant organs: From species to community. <i>Journal of Ecology</i> , 2020, 108, 267-278.	4.0	47
70	C:N:P stoichiometry in terrestrial ecosystems in China. <i>Science of the Total Environment</i> , 2021, 795, 148849.	8.0	47
71	Heavy metal deposition through rainfall in Chinese natural terrestrial ecosystems: Evidences from national-scale network monitoring. <i>Chemosphere</i> , 2016, 164, 128-133.	8.2	45
72	Soil microbial respiration rate and temperature sensitivity along a north-south forest transect in eastern China: Patterns and influencing factors. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2016, 121, 399-410.	3.0	45

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73	Latitudinal variation of leaf morphological traits from species to communities along a forest transect in eastern China. <i>Journal of Chinese Geography</i> , 2016, 26, 15-26.	3.9	44
74	Headwater stream ecosystem: an important source of greenhouse gases to the atmosphere. <i>Water Research</i> , 2021, 190, 116738.	11.3	43
75	Forest type affects the coupled relationships of soil C and N mineralization in the temperate forests of northern China. <i>Scientific Reports</i> , 2014, 4, 6584.	3.3	41
76	Warming and increased precipitation individually influence soil carbon sequestration of Inner Mongolian grasslands, China. <i>Agriculture, Ecosystems and Environment</i> , 2012, 158, 184-191.	5.3	40
77	Divergent Changes in Plant Community Composition under 3-Decade Grazing Exclusion in Continental Steppe. <i>PLoS ONE</i> , 2011, 6, e26506.	2.5	39
78	Methods of evaluating soil bulk density: Impact on estimating large scale soil organic carbon storage. <i>Catena</i> , 2016, 144, 94-101.	5.0	38
79	Soil gross N ammonification and nitrification from tropical to temperate forests in eastern China. <i>Functional Ecology</i> , 2018, 32, 83-94.	3.6	38
80	Elevation-Related Variation in Leaf Stomatal Traits as a Function of Plant Functional Type: Evidence from Changbai Mountain, China. <i>PLoS ONE</i> , 2014, 9, e115395.	2.5	38
81	Precipitation balances deterministic and stochastic processes of bacterial community assembly in grassland soils. <i>Soil Biology and Biochemistry</i> , 2022, 168, 108635.	8.8	38
82	Effects of temperature, soil substrate, and microbial community on carbon mineralization across three climatically contrasting forest sites. <i>Ecology and Evolution</i> , 2018, 8, 879-891.	1.9	37
83	Spatial pattern of grassland aboveground biomass and its environmental controls in the Eurasian steppe. <i>Journal of Chinese Geography</i> , 2017, 27, 3-22.	3.9	36
84	Investigating the spatio-temporal variability of soil organic carbon stocks in different ecosystems of China. <i>Science of the Total Environment</i> , 2021, 758, 143644.	8.0	36
85	Phosphorus and carbon competitive sorption-desorption and associated non-point loss respond to natural rainfall events. <i>Journal of Hydrology</i> , 2014, 517, 447-457.	5.4	35
86	Vertical distribution of soil carbon, nitrogen, and phosphorus in typical Chinese terrestrial ecosystems. <i>Chinese Geographical Science</i> , 2015, 25, 549-560.	3.0	35
87	Complex trait relationships between leaves and absorptive roots: Coordination in tissue N concentration but divergence in morphology. <i>Ecology and Evolution</i> , 2017, 7, 2697-2705.	1.9	34
88	Plant functional traits regulate soil bacterial diversity across temperate deserts. <i>Science of the Total Environment</i> , 2020, 715, 136976.	8.0	34
89	Construction and progress of Chinese terrestrial ecosystem carbon, nitrogen and water fluxes coordinated observation. <i>Journal of Chinese Geography</i> , 2016, 26, 803-826.	3.9	33
90	Strong pulse effects of precipitation events on soil microbial respiration in temperate forests. <i>Geoderma</i> , 2016, 275, 67-73.	5.1	33

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91	Scale dependence of the diversity–stability relationship in a temperate grassland. <i>Journal of Ecology</i> , 2018, 106, 1277-1285.	4.0	33
92	Carbon sequestration potential and its eco-service function in the karst area, China. <i>Journal of Chinese Geography</i> , 2017, 27, 967-980.	3.9	31
93	Effects of atmospheric reactive phosphorus deposition on phosphorus transport in a subtropical watershed: A Chinese case study. <i>Environmental Pollution</i> , 2017, 226, 69-78.	7.5	30
94	Nitrogen storage in China’s terrestrial ecosystems. <i>Science of the Total Environment</i> , 2020, 709, 136201.	8.0	30
95	Metallic nanoparticle production and consumption in China between 2000 and 2010 and associative aquatic environmental risk assessment. <i>Journal of Nanoparticle Research</i> , 2013, 15, 1.	1.9	29
96	Effects of reactive nitrogen deposition on terrestrial and aquatic ecosystems. <i>Ecological Engineering</i> , 2014, 70, 312-318.	3.6	29
97	Carbon storage in Chinese grassland ecosystems: Influence of different integrative methods. <i>Scientific Reports</i> , 2016, 6, 21378.	3.3	29
98	Wet acid deposition in Chinese natural and agricultural ecosystems: Evidence from national-scale monitoring. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 10,995.	3.3	29
99	Asymmetric responses of soil heterotrophic respiration to rising and decreasing temperatures. <i>Soil Biology and Biochemistry</i> , 2017, 106, 18-27.	8.8	29
100	Rational land-use types in the karst regions of China: Insights from soil organic matter composition and stability. <i>Catena</i> , 2018, 160, 345-353.	5.0	29
101	Leaf trait network architecture shifts with species richness and climate across forests at continental scale. <i>Ecology Letters</i> , 2022, 25, 1442-1457.	6.4	29
102	Nitrogen deposition and its spatial pattern in main forest ecosystems along north-south transect of eastern China. <i>Chinese Geographical Science</i> , 2014, 24, 137-146.	3.0	28
103	Responses of soil enzyme activity and microbial community compositions to nitrogen addition in bulk and microaggregate soil in the temperate steppe of Inner Mongolia. <i>Eurasian Soil Science</i> , 2016, 49, 1149-1160.	1.6	28
104	Land-use impact on soil carbon and nitrogen sequestration in typical steppe ecosystems, Inner Mongolia. <i>Journal of Chinese Geography</i> , 2012, 22, 859-873.	3.9	27
105	Stoichiometrical regulation of soil organic matter decomposition and its temperature sensitivity. <i>Ecology and Evolution</i> , 2016, 6, 620-627.	1.9	27
106	Biogeographical patterns of soil microbial community as influenced by soil characteristics and climate across Chinese forest biomes. <i>Applied Soil Ecology</i> , 2018, 124, 298-305.	4.3	26
107	Fewer new species colonize at low frequency N addition in a temperate grassland. <i>Functional Ecology</i> , 2016, 30, 1247-1256.	3.6	25
108	Effect of nitrogen and acid deposition on soil respiration in a temperate forest in China. <i>Geoderma</i> , 2018, 329, 82-90.	5.1	25

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109	Optimal Community Assembly Related to Leaf Economic-Hydraulic-Anatomical Traits. <i>Frontiers in Plant Science</i> , 2020, 11, 341.	3.6	25
110	Soil organic carbon contents, aggregate stability, and humic acid composition in different alpine grasslands in Qinghai-Tibet Plateau. <i>Journal of Mountain Science</i> , 2016, 13, 2015-2027.	2.0	24
111	Root elemental composition in Chinese forests: Implications for biogeochemical niche differentiation. <i>Functional Ecology</i> , 2018, 32, 40-49.	3.6	24
112	How to Improve the Predictions of Plant Functional Traits on Ecosystem Functioning?. <i>Frontiers in Plant Science</i> , 2021, 12, 622260.	3.6	24
113	Temperature sensitivity of soil microbial respiration in soils with lower substrate availability is enhanced more by labile carbon input. <i>Soil Biology and Biochemistry</i> , 2021, 154, 108148.	8.8	24
114	Global patterns in leaf stoichiometry across coastal wetlands. <i>Global Ecology and Biogeography</i> , 2021, 30, 852-869.	5.8	22
115	Changes in Temperature Sensitivity and Activation Energy of Soil Organic Matter Decomposition in Different Qinghai-Tibet Plateau Grasslands. <i>PLoS ONE</i> , 2015, 10, e0132795.	2.5	21
116	Differences in SOM Decomposition and Temperature Sensitivity among Soil Aggregate Size Classes in a Temperate Grasslands. <i>PLoS ONE</i> , 2015, 10, e0117033.	2.5	19
117	Spatiotemporal variability, source apportionment, and acid-neutralizing capacity of atmospheric wet base-cation deposition in China. <i>Environmental Pollution</i> , 2020, 262, 114335.	7.5	19
118	Local community assembly processes shape β -diversity of soil <i>Chloroflexi</i> harbouring communities in the Northern Hemisphere steppes. <i>Global Ecology and Biogeography</i> , 2021, 30, 2273-2285.	5.8	19
119	Dynamics of Soil Organic Carbon and Aggregate Stability with Grazing Exclusion in the Inner Mongolian Grasslands. <i>PLoS ONE</i> , 2016, 11, e0146757.	2.5	19
120	Enhancement of Carbon Sequestration in Soil in the Temperature Grasslands of Northern China by Addition of Nitrogen and Phosphorus. <i>PLoS ONE</i> , 2013, 8, e77241.	2.5	18
121	Carbon storage in China's forest ecosystems: estimation by different integrative methods. <i>Ecology and Evolution</i> , 2016, 6, 3129-3145.	1.9	18
122	Analysis of spatial and temporal patterns of aboveground net primary productivity in the Eurasian steppe region from 1982 to 2013. <i>Ecology and Evolution</i> , 2017, 7, 5149-5162.	1.9	18
123	The adjustment of life history strategies drives the ecological adaptations of soil microbiota to aridity. <i>Molecular Ecology</i> , 2022, 31, 2920-2934.	3.9	18
124	Carbon and Nitrogen Storage in Inner Mongolian Grasslands: Relationships with Climate and Soil Texture. <i>Pedosphere</i> , 2014, 24, 391-398.	4.0	17
125	Hydrolase kinetics to detect temperature-related changes in the rates of soil organic matter decomposition. <i>European Journal of Soil Biology</i> , 2017, 81, 108-115.	3.2	17
126	Leaf Trait Networks Based on Global Data: Representing Variation and Adaptation in Plants. <i>Frontiers in Plant Science</i> , 2021, 12, 710530.	3.6	17

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127	Uncertainty and perspectives in studies of atmospheric nitrogen deposition in China: A response to Liu et al. (2015). <i>Science of the Total Environment</i> , 2015, 520, 302-304.	8.0	16
128	Responses of soil hydrolytic enzymes, ammonia-oxidizing bacteria and archaea to nitrogen applications in a temperate grassland in Inner Mongolia. <i>Scientific Reports</i> , 2016, 6, 32791.	3.3	16
129	Latitudinal patterns and influencing factors of soil humic carbon fractions from tropical to temperate forests. <i>Journal of Chinese Geography</i> , 2018, 28, 15-30.	3.9	16
130	Soil and climate determine differential responses of soil respiration to nitrogen and acid deposition along a forest transect. <i>European Journal of Soil Biology</i> , 2019, 93, 103097.	3.2	16
131	Divergent long- and short-term responses to environmental gradients in specific leaf area of grassland species. <i>Ecological Indicators</i> , 2021, 130, 108058.	6.3	16
132	Estimation of carbon sequestration in China's forests induced by atmospheric wet nitrogen deposition using the principles of ecological stoichiometry. <i>Environmental Research Letters</i> , 2017, 12, 114038.	5.2	15
133	Increase of External Nutrient Input Impact on Carbon Sinks in Chinese Coastal Seas. <i>Environmental Science & Technology</i> , 2013, 47, 13215-13216.	10.0	14
134	Changes in trait and phylogenetic diversity of leaves and absorptive roots from tropical to boreal forests. <i>Plant and Soil</i> , 2018, 432, 389-401.	3.7	14
135	Variation in the nitrogen concentration of the leaf, branch, trunk, and root in vegetation in China. <i>Ecological Indicators</i> , 2019, 96, 496-504.	6.3	14
136	Spatial patterns and environmental factors influencing leaf carbon content in the forests and shrublands of China. <i>Journal of Chinese Geography</i> , 2018, 28, 791-801.	3.9	13
137	Microbial properties regulate spatial variation in the differences in heterotrophic respiration and its temperature sensitivity between primary and secondary forests from tropical to cold-temperate zones. <i>Agricultural and Forest Meteorology</i> , 2018, 262, 81-88.	4.8	13
138	Monthly dynamics of atmospheric wet nitrogen deposition on different spatial scales in China. <i>Environmental Science and Pollution Research</i> , 2018, 25, 24417-24425.	5.3	13
139	Rainfall driven transport of carbon and nitrogen along karst slopes and associative interaction characteristic. <i>Journal of Hydrology</i> , 2019, 573, 246-254.	5.4	13
140	Changes to soil organic matter decomposition rate and its temperature sensitivity along water table gradients in cold-temperate forest swamps. <i>Catena</i> , 2020, 194, 104684.	5.0	13
141	Differential response of abundant and rare bacterial subcommunities to abiotic and biotic gradients across temperate deserts. <i>Science of the Total Environment</i> , 2021, 763, 142942.	8.0	13
142	Higher soil acidification risk in southeastern Tibetan Plateau. <i>Science of the Total Environment</i> , 2021, 755, 143372.	8.0	13
143	Environmental filtering rather than phylogeny determines plant leaf size in three floristically distinctive plateaus. <i>Ecological Indicators</i> , 2021, 130, 108049.	6.3	13
144	Progress in watershed geography in the Yangtze River Basin and the affiliated ecological security perspective in the past 20 years, China. <i>Journal of Chinese Geography</i> , 2020, 30, 867-880.	3.9	13

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145	Contrasting responses of plant above and belowground biomass carbon pools to extreme drought in six grasslands spanning an aridity gradient. <i>Plant and Soil</i> , 2022, 473, 167-180.	3.7	13
146	Is There an Existing Healthy Threshold for Carbon Storage in the Ecosystem?. <i>Environmental Science & Technology</i> , 2012, 46, 4687-4688.	10.0	12
147	Impact of external nitrogen and phosphorus input between 2006 and 2010 on carbon cycle in China seas. <i>Regional Environmental Change</i> , 2015, 15, 631-641.	2.9	12
148	Effects of the frequency and the rate of N enrichment on community structure in a temperate grassland. <i>Journal of Plant Ecology</i> , 2018, 11, 685-695.	2.3	12
149	Variation in the calorific values of different plants organs in China. <i>PLoS ONE</i> , 2018, 13, e0199762.	2.5	12
150	A new incubation and measurement approach to estimate the temperature response of soil organic matter decomposition. <i>Soil Biology and Biochemistry</i> , 2019, 138, 107596.	8.8	12
151	Using $\delta^{13}C$ to reveal the importance of different water transport pathways in two nested karst basins, Southwest China. <i>Journal of Hydrology</i> , 2019, 571, 425-436.	5.4	12
152	Spatial Variation of Leaf Chlorophyll in Northern Hemisphere Grasslands. <i>Frontiers in Plant Science</i> , 2020, 11, 1244.	3.6	12
153	Stomatal Arrangement Pattern: A New Direction to Explore Plant Adaptation and Evolution. <i>Frontiers in Plant Science</i> , 2021, 12, 655255.	3.6	12
154	Spatial variation in leaf potassium concentrations and its role in plant adaptation strategies. <i>Ecological Indicators</i> , 2021, 130, 108063.	6.3	12
155	Long-Term Grazing Exclusion Improves the Composition and Stability of Soil Organic Matter in Inner Mongolian Grasslands. <i>PLoS ONE</i> , 2015, 10, e0128837.	2.5	12
156	Soil acidification in China's forests due to atmospheric acid deposition from 1980 to 2050. <i>Science Bulletin</i> , 2022, 67, 914-917.	9.0	12
157	Significant Phylogenetic Signal and Climate-Related Trends in Leaf Caloric Value from Tropical to Cold-Temperate Forests. <i>Scientific Reports</i> , 2016, 6, 36674.	3.3	11
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