

Nian-Peng He

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.

205
papers

6,064
citations

42
h-index

69
g-index

224
ext. papers

8,424
ext. citations

5.8
avg, IF

6.06
L-index

#	Paper	IF	Citations
205	Stabilization of atmospheric nitrogen deposition in China over the past decade. <i>Nature Geoscience</i> , 2019 , 12, 424-429	18.3	232
204	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	11.5	210
203	Linking stoichiometric homeostasis with ecosystem structure, functioning and stability. <i>Ecology Letters</i> , 2010 , 13, 1390-9	10	202
202	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	11.5	194
201	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, 777-85	10.2	193
200	Spatial and decadal variations in inorganic nitrogen wet deposition in China induced by human activity. <i>Scientific Reports</i> , 2014 , 4, 3763	4.9	191
199	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	7.5	143
198	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	5	131
197	Convergent responses of nitrogen and phosphorus resorption to nitrogen inputs in a semiarid grassland. <i>Global Change Biology</i> , 2013 , 19, 2775-84	11.4	129
196	Stoichiometric homeostasis of vascular plants in the Inner Mongolia grassland. <i>Oecologia</i> , 2011 , 166, 1-10	2.9	128
195	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	11.5	112
194	Microbes drive global soil nitrogen mineralization and availability. <i>Global Change Biology</i> , 2019 , 25, 1078-1088	11.4	103
193	C:N:P stoichiometry in China's forests: From organs to ecosystems. <i>Functional Ecology</i> , 2018 , 32, 50-60	5.6	98
192	A synthesis of the effect of grazing exclusion on carbon dynamics in grasslands in China. <i>Global Change Biology</i> , 2016 , 22, 1385-93	11.4	96
191	Water use efficiency threshold for terrestrial ecosystem carbon sequestration in China under afforestation. <i>Agricultural and Forest Meteorology</i> , 2014 , 195-196, 32-37	5.8	94
190	Factors Influencing Leaf Chlorophyll Content in Natural Forests at the Biome Scale. <i>Frontiers in Ecology and Evolution</i> , 2018 , 6,	3.7	90
189	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	11.4	89

188	Rapid plant species loss at high rates and at low frequency of N addition in temperate steppe. <i>Global Change Biology</i> , 2014 , 20, 3520-9	11.4	88
187	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	3.9	80
186	Nitrogen enrichment weakens ecosystem stability through decreased species asynchrony and population stability in a temperate grassland. <i>Global Change Biology</i> , 2016 , 22, 1445-55	11.4	80
185	Global inorganic nitrogen dry deposition inferred from ground- and space-based measurements. <i>Scientific Reports</i> , 2016 , 6, 19810	4.9	69
184	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	6.7	69
183	Development of atmospheric acid deposition in China from the 1990s to the 2010s. <i>Environmental Pollution</i> , 2017 , 231, 182-190	9.3	65
182	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	7.5	64
181	Coordinated pattern of multi-element variability in leaves and roots across Chinese forest biomes. <i>Global Ecology and Biogeography</i> , 2016 , 25, 359-367	6.1	64
180	Ecosystem Traits Linking Functional Traits to Macroecology. <i>Trends in Ecology and Evolution</i> , 2019 , 34, 200-210	10.9	64
179	Imbalanced atmospheric nitrogen and phosphorus depositions in China: Implications for nutrient limitation. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2016 , 121, 1605-1616	3.7	63
178	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	5.6	63
177	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	11.4	58
176	Variation of stomatal traits from cold temperate to tropical forests and association with water use efficiency. <i>Functional Ecology</i> , 2018 , 32, 20-28	5.6	56
175	Nitrogen addition regulates soil nematode community composition through ammonium suppression. <i>PLoS ONE</i> , 2012 , 7, e43384	3.7	55
174	Leaf morphological and anatomical traits from tropical to temperate coniferous forests: Mechanisms and influencing factors. <i>Scientific Reports</i> , 2016 , 6, 19703	4.9	53
173	Equilibration of the terrestrial water, nitrogen, and carbon cycles: Advocating a health threshold for carbon storage. <i>Ecological Engineering</i> , 2013 , 57, 366-374	3.9	49
172	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	3.7	49
171	Testing the growth rate hypothesis in vascular plants with above- and below-ground biomass. <i>PLoS ONE</i> , 2012 , 7, e32162	3.7	49

170	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	6	46
169	Latitudinal variation of leaf stomatal traits from species to community level in forests: linkage with ecosystem productivity. <i>Scientific Reports</i> , 2015 , 5, 14454	4.9	45
168	Variation in leaf anatomical traits from tropical to cold-temperate forests and linkage to ecosystem functions. <i>Functional Ecology</i> , 2018 , 32, 10-19	5.6	44
167	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	5.6	44
166	Deforestation decreases spatial turnover and alters the network interactions in soil bacterial communities. <i>Soil Biology and Biochemistry</i> , 2018 , 123, 80-86	7.5	44
165	Mowing exacerbates the loss of ecosystem stability under nitrogen enrichment in a temperate grassland. <i>Functional Ecology</i> , 2017 , 31, 1637-1646	5.6	42
164	Carbon storage in China's terrestrial ecosystems: A synthesis. <i>Scientific Reports</i> , 2018 , 8, 2806	4.9	42
163	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	10.2	42
162	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	2.6	42
161	Climate variability decreases species richness and community stability in a temperate grassland. <i>Oecologia</i> , 2018 , 188, 183-192	2.9	42
160	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	10.3	41
159	Vegetation carbon sequestration in Chinese forests from 2010 to 2050. <i>Global Change Biology</i> , 2017 , 23, 1575-1584	11.4	40
158	Increase in ammonia volatilization from soil in response to N deposition in Inner Mongolia grasslands. <i>Atmospheric Environment</i> , 2014 , 84, 156-162	5.3	39
157	Soil and vegetation carbon turnover times from tropical to boreal forests. <i>Functional Ecology</i> , 2018 , 32, 71-82	5.6	38
156	Plant Trait Networks: Improved Resolution of the Dimensionality of Adaptation. <i>Trends in Ecology and Evolution</i> , 2020 , 35, 908-918	10.9	37
155	The optimum temperature of soil microbial respiration: Patterns and controls. <i>Soil Biology and Biochemistry</i> , 2018 , 121, 35-42	7.5	37
154	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	5.8	37
153	Variation in leaf chlorophyll concentration from tropical to cold-temperate forests: Association with gross primary productivity. <i>Ecological Indicators</i> , 2018 , 85, 383-389	5.8	37

152	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	5	36
151	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	5.7	36
150	Divergent changes in plant community composition under 3-decade grazing exclusion in continental steppe. <i>PLoS ONE</i> , 2011 , 6, e26506	3.7	36
149	Elevational gradient affect functional fractions of soil organic carbon and aggregates stability in a Tibetan alpine meadow. <i>Catena</i> , 2017 , 156, 139-148	5.8	35
148	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
147	Heavy metal deposition through rainfall in Chinese natural terrestrial ecosystems: Evidences from national-scale network monitoring. <i>Chemosphere</i> , 2016 , 164, 128-133	8.4	35
146	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	3.7	34
145	Nitrogen addition does not reduce the role of spatial asynchrony in stabilising grassland communities. <i>Ecology Letters</i> , 2019 , 22, 563-571	10	33
144	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	5.8	32
143	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	11.4	31
142	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	3.7	31
141	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	2.3	29
140	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	9.3	28
139	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	3.7	28
138	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	10.8	28
137	Allocation strategies for nitrogen and phosphorus in forest plants. <i>Oikos</i> , 2018 , 127, 1506-1514	4	27
136	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	6	27
135	Methods of evaluating soil bulk density: Impact on estimating large scale soil organic carbon storage. <i>Catena</i> , 2016 , 144, 94-101	5.8	27

134	Variation in leaf morphological, stomatal, and anatomical traits and their relationships in temperate and subtropical forests. <i>Scientific Reports</i> , 2019 , 9, 5803	4.9	26
133	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	2.9	26
132	Effects of reactive nitrogen deposition on terrestrial and aquatic ecosystems. <i>Ecological Engineering</i> , 2014 , 70, 312-318	3.9	25
131	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	3.7	25
130	Warming and increased precipitation individually influence soil carbon sequestration of Inner Mongolian grasslands, China. <i>Agriculture, Ecosystems and Environment</i> , 2012 , 158, 184-191	5.7	25
129	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	2.8	24
128	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	2.8	24
127	Vertical distribution of soil carbon, nitrogen, and phosphorus in typical Chinese terrestrial ecosystems. <i>Chinese Geographical Science</i> , 2015 , 25, 549-560	2.9	23
126	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	4.9	23
125	Carbon storage in Chinese grassland ecosystems: Influence of different integrative methods. <i>Scientific Reports</i> , 2016 , 6, 21378	4.9	23
124	Strong pulse effects of precipitation events on soil microbial respiration in temperate forests. <i>Geoderma</i> , 2016 , 275, 67-73	6.7	23
123	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	3.7	23
122	Asymmetric responses of soil heterotrophic respiration to rising and decreasing temperatures. <i>Soil Biology and Biochemistry</i> , 2017 , 106, 18-27	7.5	22
121	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	16.2	22
120	Construction and progress of Chinese terrestrial ecosystem carbon, nitrogen and water fluxes coordinated observation. <i>Journal of Chinese Geography</i> , 2016 , 26, 803-826	3.7	22
119	Soil gross N ammonification and nitrification from tropical to temperate forests in eastern China. <i>Functional Ecology</i> , 2018 , 32, 83-94	5.6	22
118	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	2.8	21
117	Stoichiometrical regulation of soil organic matter decomposition and its temperature sensitivity. <i>Ecology and Evolution</i> , 2016 , 6, 620-7	2.8	21

116	Wet acid deposition in Chinese natural and agricultural ecosystems: Evidence from national-scale monitoring. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016 , 121, 10,995-11,005	4.4	19
115	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	5	19
114	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	5.8	18
113	Fewer new species colonize at low frequency N addition in a temperate grassland. <i>Functional Ecology</i> , 2016 , 30, 1247-1256	5.6	18
112	Effect of nitrogen and acid deposition on soil respiration in a temperate forest in China. <i>Geoderma</i> , 2018 , 329, 82-90	6.7	18
111	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	3.7	18
110	Dynamics of Soil Organic Carbon and Aggregate Stability with Grazing Exclusion in the Inner Mongolian Grasslands. <i>PLoS ONE</i> , 2016 , 11, e0146757	3.7	18
109	Conservative allocation strategy of multiple nutrients among major plant organs: From species to community. <i>Journal of Ecology</i> , 2020 , 108, 267-278	6	18
108	Spatial pattern of grassland aboveground biomass and its environmental controls in the Eurasian steppe. <i>Journal of Chinese Geography</i> , 2017 , 27, 3-22	3.7	17
107	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	2.1	16
106	Root elemental composition in Chinese forests: Implications for biogeochemical niche differentiation. <i>Functional Ecology</i> , 2018 , 32, 40-49	5.6	15
105	Carbon sequestration potential and its eco-service function in the karst area, China. <i>Journal of Chinese Geography</i> , 2017 , 27, 967-980	3.7	15
104	Differences in SOM decomposition and temperature sensitivity among soil aggregate size classes in a temperate grasslands. <i>PLoS ONE</i> , 2015 , 10, e0117033	3.7	15
103	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	2.9	14
102	Plant functional traits regulate soil bacterial diversity across temperate deserts. <i>Science of the Total Environment</i> , 2020 , 715, 136976	10.2	14
101	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	1.5	14
100	Increase of external nutrient input impact on carbon sinks in Chinese coastal seas. <i>Environmental Science & Technology</i> , 2013 , 47, 13215-6	10.3	14
99	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	6.2	13

98	Scale dependence of the diversity-stability relationship in a temperate grassland. <i>Journal of Ecology</i> , 2018 , 106, 1227-1285	6	13
97	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, 302-4	10.2	12
96	Carbon and Nitrogen Storage in Inner Mongolian Grasslands: Relationships with Climate and Soil Texture. <i>Pedosphere</i> , 2014 , 24, 391-398	5	12
95	Carbon storage in China's forest ecosystems: estimation by different integrative methods. <i>Ecology and Evolution</i> , 2016 , 6, 3129-45	2.8	12
94	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	10.2	12
93	Microbial metabolic response to winter warming stabilizes soil carbon. <i>Global Change Biology</i> , 2021 , 27, 2011-2028	11.4	12
92	Optimal Community Assembly Related to Leaf Economic- Hydraulic-Anatomical Traits. <i>Frontiers in Plant Science</i> , 2020 , 11, 341	6.2	11
91	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	5.8	11
90	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	2.8	11
89	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	2.9	10
88	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	4.3	10
87	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	4.9	10
86	Long-Term Grazing Exclusion Improves the Composition and Stability of Soil Organic Matter in Inner Mongolian Grasslands. <i>PLoS ONE</i> , 2015 , 10, e0128837	3.7	10
85	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	3.7	10
84	Nitrogen storage in China's terrestrial ecosystems. <i>Science of the Total Environment</i> , 2020 , 709, 136201	10.2	10
83	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	3.7	9
82	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	3.7	9
81	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	1.7	9

80	Ammonia emissions from soil under sheep grazing in inner mongolian grasslands of China. <i>Journal of Arid Land</i> , 2013 , 5, 155-165	2.2	9
79	Divergence of dominant factors in soil microbial communities and functions in forest ecosystems along a climatic gradient. <i>Biogeosciences</i> , 2018 , 15, 1217-1228	4.6	9
78	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	6	8
77	Monthly dynamics of atmospheric wet nitrogen deposition on different spatial scales in China. <i>Environmental Science and Pollution Research</i> , 2018 , 25, 24417-24425	5.1	8
76	Tracking the fate of deposited nitrogen and its redistribution in a subtropical watershed in China. <i>Ecohydrology</i> , 2019 , 12, e2094	2.5	8
75	Variations in the Volatile Organic Compound Emission Potential of Plant Functional Groups in the Temperate Grassland Vegetation of Inner Mongolia, China. <i>Journal of Integrative Plant Biology</i> , 2005 , 47, 13-19	8.3	8
74	Wash effect of atmospheric trace metals wet deposition and its source characteristic in subtropical watershed in China. <i>Environmental Science and Pollution Research</i> , 2016 , 23, 20388-20401	5.1	8
73	Headwater stream ecosystem: an important source of greenhouse gases to the atmosphere. <i>Water Research</i> , 2021 , 190, 116738	12.5	8
72	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	4.2	8
71	Significant Phylogenetic Signal and Climate-Related Trends in Leaf Caloric Value from Tropical to Cold-Temperate Forests. <i>Scientific Reports</i> , 2016 , 6, 36674	4.9	7
70	Variation in the calorific values of different plants organs in China. <i>PLoS ONE</i> , 2018 , 13, e0199762	3.7	7
69	Responses of SOM decomposition to changing temperature in Zoige alpine wetland, China. <i>Wetlands Ecology and Management</i> , 2015 , 23, 977-987	2.1	7
68	Losses in carbon and nitrogen stocks in soil particle-size fractions along cultivation chronosequences in Inner Mongolian grasslands. <i>Journal of Environmental Quality</i> , 2012 , 41, 1507-16	3.4	7
67	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	3.7	7
66	Variation in the nitrogen concentration of the leaf, branch, trunk, and root in vegetation in China. <i>Ecological Indicators</i> , 2019 , 96, 496-504	5.8	7
65	Global patterns in leaf stoichiometry across coastal wetlands. <i>Global Ecology and Biogeography</i> , 2021 , 30, 852-869	6.1	7
64	How to Improve the Predictions of Plant Functional Traits on Ecosystem Functioning?. <i>Frontiers in Plant Science</i> , 2021 , 12, 622260	6.2	7
63	Widespread asymmetric response of soil heterotrophic respiration to warming and cooling. <i>Science of the Total Environment</i> , 2018 , 635, 423-431	10.2	7

62	Migration and leaching characteristics of base cation: indicating environmental effects on soil alkalinity in a karst area. <i>Environmental Science and Pollution Research</i> , 2018 , 25, 20899-20910	5.1	6
61	Leaf Caloric Value from Tropical to Cold-Temperate Forests: Latitudinal Patterns and Linkage to Productivity. <i>PLoS ONE</i> , 2016 , 11, e0157935	3.7	6
60	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	7.5	5
59	Rainfall driven transport of carbon and nitrogen along karst slopes and associative interaction characteristic. <i>Journal of Hydrology</i> , 2019 , 573, 246-254	6	5
58	Spatiotemporal variability, source apportionment, and acid-neutralizing capacity of atmospheric wet base-cation deposition in China. <i>Environmental Pollution</i> , 2020 , 262, 114335	9.3	5
57	Regional variation in carbon sequestration potential of forest ecosystems in China. <i>Chinese Geographical Science</i> , 2017 , 27, 337-350	2.9	5
56	Spatial Variation of Leaf Chlorophyll in Northern Hemisphere Grasslands. <i>Frontiers in Plant Science</i> , 2020 , 11, 1244	6.2	5
55	Spatial variation and mechanisms of leaf water content in grassland plants at the biome scale: evidence from three comparative transects. <i>Scientific Reports</i> , 2021 , 11, 9281	4.9	5
54	Soil Microbial Metabolic Quotient in Inner Mongolian Grasslands: Patterns and Influence Factors. <i>Chinese Geographical Science</i> , 2019 , 29, 1001-1010	2.9	5
53	Higher soil acidification risk in southeastern Tibetan Plateau. <i>Science of the Total Environment</i> , 2021 , 755, 143372	10.2	5
52	C:N:P stoichiometry in terrestrial ecosystems in China. <i>Science of the Total Environment</i> , 2021 , 795, 148840.2	10.2	5
51	Sediment addition and legume cultivation result in sustainable, long-term increases in ecosystem functions of sandy grasslands. <i>Land Degradation and Development</i> , 2019 , 30, 1667-1676	4.4	4
50	Regional response of grassland productivity to changing environment conditions influenced by limiting factors. <i>PLoS ONE</i> , 2020 , 15, e0240238	3.7	4
49	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	10.2	4
48	Asynchronous pulse responses of soil carbon and nitrogen mineralization to rewetting events at a short-term: Regulation by microbes. <i>Scientific Reports</i> , 2017 , 7, 7492	4.9	3
47	Leaf Trait Networks Based on Global Data: Representing Variation and Adaptation in Plants.. <i>Frontiers in Plant Science</i> , 2021 , 12, 710530	6.2	3
46	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	7.5	3
45	Stomatal Arrangement Pattern: A New Direction to Explore Plant Adaptation and Evolution. <i>Frontiers in Plant Science</i> , 2021 , 12, 655255	6.2	3

44	Nitrogen storage and allocation in China's forest ecosystems. <i>Science China Earth Sciences</i> , 2020 , 63, 1475-1484	4.6	3
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