Nian-Peng He

List of Publications by Year in Descending Order

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	Soil acidification in China□ forests due to atmospheric acid deposition from 1980 to 2050. *Science Bulletin*, **2022**,	10.6	2
204	Differential adaptation of lianas and trees in wet and dry forests revealed by trait correlation networks. *Ecological Indicators*, **2022**, 135, 108564	5.8	1
203	Allometry and Distribution of Nitrogen in Natural Plant Communities of the Tibetan Plateau.. *Frontiers in Plant Science*, **2022**, 13, 845813	6.2	1
202	Short-term effects of labile organic C addition on soil microbial response to temperature in a temperate steppe. *Soil Biology and Biochemistry*, **2022**, 167, 108589	7.5	1
201	Precipitation balances deterministic and stochastic processes of bacterial community assembly in grassland soils. *Soil Biology and Biochemistry*, **2022**, 168, 108635	7.5	0
200	Variation in functional trait diversity from tropical to cold-temperate forests and linkage to productivity. *Ecological Indicators*, **2022**, 138, 108864	5.8	0
199	Plant community traits associated with nitrogen can predict spatial variability in productivity. *Ecological Indicators*, **2022**, 140, 109001	5.8	0
198	Leaf Trait Networks Based on Global Data: Representing Variation and Adaptation in Plants.. *Frontiers in Plant Science*, **2021**, 12, 710530	6.2	3
197	Analysis of soil clay mineral in terrestrial ecosystem using X-ray diffraction spectroscopy. *Spectroscopy Letters*, **2021**, 54, 65-71	1.1	1
196	Temperature sensitivity of soil microbial respiration in soils with lower substrate availability is enhanced more by labile carbon input. *Soil Biology and Biochemistry*, **2021**, 154, 108148	7.5	3
195	Spatial variation and mechanisms of leaf water content in grassland plants at the biome scale: evidence from three comparative transects. *Scientific Reports*, **2021**, 11, 9281	4.9	5
194	Stomatal Arrangement Pattern: A New Direction to Explore Plant Adaptation and Evolution. *Frontiers in Plant Science*, **2021**, 12, 655255	6.2	3
193	Effects of pulse precipitation on soil organic matter mineralization in forests: spatial variation and controlling factors. *Journal of Plant Ecology*, **2021**, 14, 970-980	1.7	1
192	Root Community Traits: Scaling-Up and Incorporating Roots Into Ecosystem Functional Analyses. *Frontiers in Plant Science*, **2021**, 12, 690235	6.2	1
191	Effect of atmospheric nitrogen deposition and its components on carbon flux in terrestrial ecosystems in China. *Environmental Research*, **2021**, 202, 111787	7.9	2
190	Changes in leaf stomatal traits of different aged temperate forest stands. *Journal of Forestry Research*, **2021**, 32, 927-936	2	1
189	Selective harvesting at rational intervals promotes carbon sequestration in temperate coniferous and broad-leaved mixed forests in China. *Journal of Forestry Research*, **2021**, 32, 1025-1033	2	2

188	Differential response of abundant and rare bacterial subcommunities to abiotic and biotic gradients across temperate deserts. *Science of the Total Environment*, **2021**, 763, 142942	10.2	4
187	Higher soil acidification risk in southeastern Tibetan Plateau. *Science of the Total Environment*, **2021**, 755, 143372	10.2	5
186	Investigating the spatio-temporal variability of soil organic carbon stocks in different ecosystems of China. *Science of the Total Environment*, **2021**, 758, 143644	10.2	12
185	Headwater stream ecosystem: an important source of greenhouse gases to the atmosphere. *Water Research*, **2021**, 190, 116738	12.5	8
184	Leaf Multi-Element Network Reveals the Change of Species Dominance Under Nitrogen Deposition. *Frontiers in Plant Science*, **2021**, 12, 580340	6.2	1
183	Global patterns in leaf stoichiometry across coastal wetlands. *Global Ecology and Biogeography*, **2021**, 30, 852-869	6.1	7
182	Microbial metabolic response to winter warming stabilizes soil carbon. *Global Change Biology*, **2021**, 27, 2011-2028	11.4	12
181	How to Improve the Predictions of Plant Functional Traits on Ecosystem Functioning?. *Frontiers in Plant Science*, **2021**, 12, 622260	6.2	7
180	Local community assembly processes shape □diversity of soil phoD-harbouring communities in the Northern Hemisphere steppes. *Global Ecology and Biogeography*, **2021**, 30, 2273	6.1	0
179	Opposing shifts in distributions of chlorophyll concentration and composition in grassland under warming. *Scientific Reports*, **2021**, 11, 15736	4.9	0
178	Spatial variation of stomatal morphological traits in grassland plants of the Loess Plateau. *Ecological Indicators*, **2021**, 128, 107857	5.8	2
177	Hysteresis response of wet nitrate deposition to emission reduction in Chinese terrestrial ecosystems. *Atmospheric Environment*, **2021**, 260, 118555	5.3	0
176	Environmental filtering rather than phylogeny determines plant leaf size in three floristically distinctive plateaus. *Ecological Indicators*, **2021**, 130, 108049	5.8	1
175	Spatial variation in leaf potassium concentrations and its role in plant adaptation strategies. *Ecological Indicators*, **2021**, 130, 108063	5.8	1
174	Divergent long- and short-term responses to environmental gradients in specific leaf area of grassland species. *Ecological Indicators*, **2021**, 130, 108058	5.8	2
173	C:N:P stoichiometry in terrestrial ecosystems in China. *Science of the Total Environment*, **2021**, 795, 148849	10.2	5
172	Plant community traits can explain variation in productivity of selective logging forests after different restoration times. *Ecological Indicators*, **2021**, 131, 108181	5.8	0
171	Community chlorophyll quantity determines the spatial variation of grassland productivity. *Science of the Total Environment*, **2021**, 801, 149567	10.2	2

170	Variation and adaptation of leaf water content among species, communities, and biomes. *Environmental Research Letters*, **2021**, 16, 124038	6.2	
169	Changes to soil organic matter decomposition rate and its temperature sensitivity along water table gradients in cold-temperate forest swamps. *Catena*, **2020**, 194, 104684	5.8	1
168	Spatiotemporal variability, source apportionment, and acid-neutralizing capacity of atmospheric wet base-cation deposition in China. *Environmental Pollution*, **2020**, 262, 114335	9.3	5
167	Optimal Community Assembly Related to Leaf Economic- Hydraulic-Anatomical Traits. *Frontiers in Plant Science*, **2020**, 11, 341	6.2	11
166	Plant Trait Networks: Improved Resolution of the Dimensionality of Adaptation. *Trends in Ecology and Evolution*, **2020**, 35, 908-918	10.9	37
165	Effect of grazing exclusion on the temperature sensitivity of soil net nitrogen mineralization in the Inner Mongolian grasslands. *European Journal of Soil Biology*, **2020**, 97, 103171	2.9	2
164	Plant functional traits regulate soil bacterial diversity across temperate deserts. *Science of the Total Environment*, **2020**, 715, 136976	10.2	14
163	Biomass energy in China's terrestrial ecosystems: Insights into the nation's sustainable energy supply. *Renewable and Sustainable Energy Reviews*, **2020**, 127, 109857	16.2	22
162	Regional response of grassland productivity to changing environment conditions influenced by limiting factors. *PLoS ONE*, **2020**, 15, e0240238	3.7	4
161	Progress in watershed geography in the Yangtze River Basin and the affiliated ecological security perspective in the past 20 years, China. *Journal of Chinese Geography*, **2020**, 30, 867-880	3.7	7
160	Nitrogen storage in China's terrestrial ecosystems. *Science of the Total Environment*, **2020**, 709, 136201	10.2	10
159	Effect of pulse precipitation on soil CO2 release in different grassland types on the Tibetan Plateau. *European Journal of Soil Biology*, **2020**, 101, 103250	2.9	0
158	Spatial Variation of Leaf Chlorophyll in Northern Hemisphere Grasslands. *Frontiers in Plant Science*, **2020**, 11, 1244	6.2	5
157	Microbial membranes related to the thermal acclimation of soil heterotrophic respiration in a temperate steppe in northern China. *European Journal of Soil Science*, **2020**, 71, 484-494	3.4	1
156	Conservative allocation strategy of multiple nutrients among major plant organs: From species to community. *Journal of Ecology*, **2020**, 108, 267-278	6	18
155	Nitrogen storage and allocation in China□ forest ecosystems. *Science China Earth Sciences*, **2020**, 63, 1475-1484	4.6	3
154	Regional response of grassland productivity to changing environment conditions influenced by limiting factors **2020**, 15, e0240238		
153	Regional response of grassland productivity to changing environment conditions influenced by limiting factors **2020**, 15, e0240238		

152	Regional response of grassland productivity to changing environment conditions influenced by limiting factors **2020**, 15, e0240238		
151	Regional response of grassland productivity to changing environment conditions influenced by limiting factors **2020**, 15, e0240238		
150	Plant functional traits determine latitudinal variations in soil microbial function: evidence from forests in China. *Biogeosciences*, **2019**, 16, 3333-3349	4.6	0
149	A new incubation and measurement approach to estimate the temperature response of soil organic matter decomposition. *Soil Biology and Biochemistry*, **2019**, 138, 107596	7.5	5
148	Soil and climate determine differential responses of soil respiration to nitrogen and acid deposition along a forest transect. *European Journal of Soil Biology*, **2019**, 93, 103097	2.9	10
147	Sediment addition and legume cultivation result in sustainable, long-term increases in ecosystem functions of sandy grasslands. *Land Degradation and Development*, **2019**, 30, 1667-1676	4.4	4
146	Stabilization of atmospheric nitrogen deposition in China over the past decade. *Nature Geoscience*, **2019**, 12, 424-429	18.3	232
145	Variation in leaf morphological, stomatal, and anatomical traits and their relationships in temperate and subtropical forests. *Scientific Reports*, **2019**, 9, 5803	4.9	26
144	Rainfall driven transport of carbon and nitrogen along karst slopes and associative interaction characteristic. *Journal of Hydrology*, **2019**, 573, 246-254	6	5
143	Using δ13C to reveal the importance of different water transport pathways in two nested karst basins, Southwest China. *Journal of Hydrology*, **2019**, 571, 425-436	6	8
142	Tracking the fate of deposited nitrogen and its redistribution in a subtropical watershed in China. *Ecohydrology*, **2019**, 12, e2094	2.5	8
141	Microbes drive global soil nitrogen mineralization and availability **2019**, 25, 1078		1
140	Variation and evolution of C:N ratio among different organs enable plants to adapt to N-limited environments. *Global Change Biology*, **2019**, 26, 2534	11.4	35
139	Altered trends in carbon uptake in China's terrestrial ecosystems under the enhanced summer monsoon and warming hiatus. *National Science Review*, **2019**, 6, 505-514	10.8	28
138	Soil Microbial Metabolic Quotient in Inner Mongolian Grasslands: Patterns and Influence Factors. *Chinese Geographical Science*, **2019**, 29, 1001-1010	2.9	5
137	Microbes drive global soil nitrogen mineralization and availability. *Global Change Biology*, **2019**, 25, 1078-1088	11.4	103
136	Nitrogen addition does not reduce the role of spatial asynchrony in stabilising grassland communities. *Ecology Letters*, **2019**, 22, 563-571	10	33
135	Increased soil organic carbon storage in Chinese terrestrial ecosystems from the 1980s to the 2010s. *Journal of Chinese Geography*, **2019**, 29, 49-66	3.7	23

134	Anthropogenic reactive nitrogen deposition and associated nutrient limitation effect on gross primary productivity in inland water of China. *Journal of Cleaner Production*, **2019**, 208, 530-540	10.3	41
133	Ecosystem Traits Linking Functional Traits to Macroecology. *Trends in Ecology and Evolution*, **2019**, 34, 200-210	10.9	64
132	Variation in the nitrogen concentration of the leaf, branch, trunk, and root in vegetation in China. *Ecological Indicators*, **2019**, 96, 496-504	5.8	7
131	Allocation strategies for nitrogen and phosphorus in forest plants. *Oikos*, **2018**, 127, 1506-1514	4	27
130	Patterns of plant carbon, nitrogen, and phosphorus concentration in relation to productivity in China's terrestrial ecosystems. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, 4033-4038	11.5	112
129	Carbon pools in China's terrestrial ecosystems: New estimates based on an intensive field survey. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, 4021-4026	11.5	194
128	Effects of national ecological restoration projects on carbon sequestration in China from 2001 to 2010. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, 4039-4044	11.5	210
127	Joint structural and physiological control on the interannual variation in productivity in a temperate grassland: A data-model comparison. *Global Change Biology*, **2018**, 24, 2965-2979	11.4	31
126	Spatial patterns and environmental factors influencing leaf carbon content in the forests and shrublands of China. *Journal of Chinese Geography*, **2018**, 28, 791-801	3.7	9
125	Carbon storage in China's terrestrial ecosystems: A synthesis. *Scientific Reports*, **2018**, 8, 2806	4.9	42
124	Effects of temperature, soil substrate, and microbial community on carbon mineralization across three climatically contrasting forest sites. *Ecology and Evolution*, **2018**, 8, 879-891	2.8	21
123	Latitudinal patterns and influencing factors of soil humic carbon fractions from tropical to temperate forests. *Journal of Chinese Geography*, **2018**, 28, 15-30	3.7	9
122	The optimum temperature of soil microbial respiration: Patterns and controls. *Soil Biology and Biochemistry*, **2018**, 121, 35-42	7.5	37
121	Variation in leaf anatomical traits from tropical to cold-temperate forests and linkage to ecosystem functions. *Functional Ecology*, **2018**, 32, 10-19	5.6	44
120	Effects of the frequency and the rate of N enrichment on community structure in a temperate grassland. *Journal of Plant Ecology*, **2018**, 11, 685-695	1.7	9
119	Root elemental composition in Chinese forests: Implications for biogeochemical niche differentiation. *Functional Ecology*, **2018**, 32, 40-49	5.6	15
118	Rational land-use types in the karst regions of China: Insights from soil organic matter composition and stability. *Catena*, **2018**, 160, 345-353	5.8	18
117	Climate warming impacts on soil organic carbon fractions and aggregate stability in a Tibetan alpine meadow. *Soil Biology and Biochemistry*, **2018**, 116, 224-236	7.5	64

116	C:N:P stoichiometry in China's forests: From organs to ecosystems. *Functional Ecology*, **2018**, 32, 50-60	5.6	98
115	Different phylogenetic and environmental controls of first-order root morphological and nutrient traits: Evidence of multidimensional root traits. *Functional Ecology*, **2018**, 32, 29-39	5.6	44
114	Variation in the calorific values of different plants organs in China. *PLoS ONE*, **2018**, 13, e0199762	3.7	7
113	Factors Influencing Leaf Chlorophyll Content in Natural Forests at the Biome Scale. *Frontiers in Ecology and Evolution*, **2018**, 6,	3.7	90
112	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. *Agricultural and Forest Meteorology*, **2018**, 262, 81-88	5.8	11
111	Migration and leaching characteristics of base cation: indicating environmental effects on soil alkalinity in a karst area. *Environmental Science and Pollution Research*, **2018**, 25, 20899-20910	5.1	6
110	Effect of nitrogen and acid deposition on soil respiration in a temperate forest in China. *Geoderma*, **2018**, 329, 82-90	6.7	18
109	Monthly dynamics of atmospheric wet nitrogen deposition on different spatial scales in China. *Environmental Science and Pollution Research*, **2018**, 25, 24417-24425	5.1	8
108	Soil and vegetation carbon turnover times from tropical to boreal forests. *Functional Ecology*, **2018**, 32, 71-82	5.6	38
107	Soil gross N ammonification and nitrification from tropical to temperate forests in eastern China. *Functional Ecology*, **2018**, 32, 83-94	5.6	22
106	Biogeographical patterns of soil microbial community as influenced by soil characteristics and climate across Chinese forest biomes. *Applied Soil Ecology*, **2018**, 124, 298-305	5	19
105	Scale dependence of the diversity-stability relationship in a temperate grassland. *Journal of Ecology* , **2018**, 106, 1227-1285	6	13
104	Variation in leaf chlorophyll concentration from tropical to cold-temperate forests: Association with gross primary productivity. *Ecological Indicators*, **2018**, 85, 383-389	5.8	37
103	Variation of stomatal traits from cold temperate to tropical forests and association with water use efficiency. *Functional Ecology*, **2018**, 32, 20-28	5.6	56
102	Soil organic matter availability and climate drive latitudinal patterns in bacterial diversity from tropical to cold temperate forests. *Functional Ecology*, **2018**, 32, 61-70	5.6	63
101	Changes in trait and phylogenetic diversity of leaves and absorptive roots from tropical to boreal forests. *Plant and Soil*, **2018**, 432, 389-401	4.2	8
100	Important interaction of chemicals, microbial biomass and dissolved substrates in the diel hysteresis loop of soil heterotrophic respiration. *Plant and Soil*, **2018**, 428, 279-290	4.2	1
99	Deforestation decreases spatial turnover and alters the network interactions in soil bacterial communities. *Soil Biology and Biochemistry*, **2018**, 123, 80-86	7.5	44

98	Divergence of dominant factors in soil microbial communities and functions in forest ecosystems along a climatic gradient. *Biogeosciences*, **2018**, 15, 1217-1228	4.6	9
97	Widespread asymmetric response of soil heterotrophic respiration to warming and cooling. *Science of the Total Environment*, **2018**, 635, 423-431	10.2	7
96	Climate variability decreases species richness and community stability in a temperate grassland. *Oecologia*, **2018**, 188, 183-192	2.9	42
95	A global synthesis of the rate and temperature sensitivity of soil nitrogen mineralization: latitudinal patterns and mechanisms. *Global Change Biology*, **2017**, 23, 455-464	11.4	89
94	Regional variation in the temperature sensitivity of soil organic matter decomposition in China's forests and grasslands. *Global Change Biology*, **2017**, 23, 3393-3402	11.4	58
93	Mowing exacerbates the loss of ecosystem stability under nitrogen enrichment in a temperate grassland. *Functional Ecology*, **2017**, 31, 1637-1646	5.6	42
92	Effects of atmospheric reactive phosphorus deposition on phosphorus transport in a subtropical watershed: A Chinese case study. *Environmental Pollution*, **2017**, 226, 69-78	9.3	28
91	Spatial pattern of grassland aboveground biomass and its environmental controls in the Eurasian steppe. *Journal of Chinese Geography*, **2017**, 27, 3-22	3.7	17
90	Elevational gradient affect functional fractions of soil organic carbon and aggregates stability in a Tibetan alpine meadow. *Catena*, **2017**, 156, 139-148	5.8	35
89	Complex trait relationships between leaves and absorptive roots: Coordination in tissue N concentration but divergence in morphology. *Ecology and Evolution*, **2017**, 7, 2697-2705	2.8	24
88	Asymmetric responses of soil heterotrophic respiration to rising and decreasing temperatures. *Soil Biology and Biochemistry*, **2017**, 106, 18-27	7.5	22
87	Hydrolase kinetics to detect temperature-related changes in the rates of soil organic matter decomposition. *European Journal of Soil Biology*, **2017**, 81, 108-115	2.9	14
86	Development of atmospheric acid deposition in China from the 1990s to the 2010s. *Environmental Pollution*, **2017**, 231, 182-190	9.3	65
85	Asynchronous pulse responses of soil carbon and nitrogen mineralization to rewetting events at a short-term: Regulation by microbes. *Scientific Reports*, **2017**, 7, 7492	4.9	3
84	Estimation of carbon sequestration in China's forests induced by atmospheric wet nitrogen deposition using the principles of ecological stoichiometry. *Environmental Research Letters*, **2017**, 12, 114038	6.2	13
83	Analysis of spatial and temporal patterns of aboveground net primary productivity in the Eurasian steppe region from 1982 to 2013. *Ecology and Evolution*, **2017**, 7, 5149-5162	2.8	11
82	Nitrogen loss from karst area in China in recent 50 years: An in-situ simulated rainfall experiment's assessment. *Ecology and Evolution*, **2017**, 7, 10131-10142	2.8	24
81	Regional variation in carbon sequestration potential of forest ecosystems in China. *Chinese Geographical Science*, **2017**, 27, 337-350	2.9	5

80	Carbon sequestration potential and its eco-service function in the karst area, China. *Journal of Chinese Geography*, **2017**, 27, 967-980	3.7	15
79	Soil enzyme activity and stoichiometry in forest ecosystems along the North-South Transect in eastern China (NSTEC). *Soil Biology and Biochemistry*, **2017**, 104, 152-163	7.5	143
78	Vegetation carbon sequestration in Chinese forests from 2010 to 2050. *Global Change Biology*, **2017**, 23, 1575-1584	11.4	40
77	Grassland restoration in northern China is far from complete: evidence from carbon variation in the last three decades. *Ecosphere*, **2017**, 8, e01750	3.1	3
76	Significant Phylogenetic Signal and Climate-Related Trends in Leaf Caloric Value from Tropical to Cold-Temperate Forests. *Scientific Reports*, **2016**, 6, 36674	4.9	7
75	Soil microbial respiration rate and temperature sensitivity along a north-south forest transect in eastern China: Patterns and influencing factors. *Journal of Geophysical Research G: Biogeosciences*, **2016**, 121, 399-410	3.7	34
74	Global inorganic nitrogen dry deposition inferred from ground- and space-based measurements. *Scientific Reports*, **2016**, 6, 19810	4.9	69
73	Responses of soil hydrolytic enzymes, ammonia-oxidizing bacteria and archaea to nitrogen applications in a temperate grassland in Inner Mongolia. *Scientific Reports*, **2016**, 6, 32791	4.9	10
72	Soil organic carbon contents, aggregate stability, and humic acid composition in different alpine grasslands in Qinghai-Tibet Plateau. *Journal of Mountain Science*, **2016**, 13, 2015-2027	2.1	16
71	Responses of soil enzyme activity and microbial community compositions to nitrogen addition in bulk and microaggregate soil in the temperate steppe of Inner Mongolia. *Eurasian Soil Science*, **2016**, 49, 1149-1160	1.5	14
70	Leaf morphological and anatomical traits from tropical to temperate coniferous forests: Mechanisms and influencing factors. *Scientific Reports*, **2016**, 6, 19703	4.9	53
69	Fewer new species colonize at low frequency N addition in a temperate grassland. *Functional Ecology*, **2016**, 30, 1247-1256	5.6	18
68	New insight into global blue carbon estimation under human activity in land-sea interaction area: A case study of China. *Earth-Science Reviews*, **2016**, 159, 36-46	10.2	42
67	A synthesis of the effect of grazing exclusion on carbon dynamics in grasslands in China. *Global Change Biology*, **2016**, 22, 1385-93	11.4	96
66	Forest carbon storage along the north-south transect of eastern China: Spatial patterns, allocation, and influencing factors. *Ecological Indicators*, **2016**, 61, 960-967	5.8	37
65	Leaf non-structural carbohydrates regulated by plant functional groups and climate: Evidences from a tropical to cold-temperate forest transect. *Ecological Indicators*, **2016**, 62, 22-31	5.8	32
64	Effects of Temperature and Moisture on Soil Organic Matter Decomposition Along Elevation Gradients on the Changbai Mountains, Northeast China. *Pedosphere*, **2016**, 26, 399-407	5	36
63	Invariant allometric scaling of nitrogen and phosphorus in leaves, stems, and fine roots of woody plants along an altitudinal gradient. *Journal of Plant Research*, **2016**, 129, 647-657	2.6	42

62	Patterns and regulating mechanisms of soil nitrogen mineralization and temperature sensitivity in Chinese terrestrial ecosystems. *Agriculture, Ecosystems and Environment*, **2016**, 215, 40-46	5.7	36
61	Dynamics of Soil Organic Carbon and Aggregate Stability with Grazing Exclusion in the Inner Mongolian Grasslands. *PLoS ONE*, **2016**, 11, e0146757	3.7	18
60	Leaf Caloric Value from Tropical to Cold-Temperate Forests: Latitudinal Patterns and Linkage to Productivity. *PLoS ONE*, **2016**, 11, e0157935	3.7	6
59	Construction and progress of Chinese terrestrial ecosystem carbon, nitrogen and water fluxes coordinated observation. *Journal of Chinese Geography*, **2016**, 26, 803-826	3.7	22
58	Coordinated pattern of multi-element variability in leaves and roots across Chinese forest biomes. *Global Ecology and Biogeography*, **2016**, 25, 359-367	6.1	64
57	Nitrogen enrichment weakens ecosystem stability through decreased species asynchrony and population stability in a temperate grassland. *Global Change Biology*, **2016**, 22, 1445-55	11.4	80
56	Methods of evaluating soil bulk density: Impact on estimating large scale soil organic carbon storage. *Catena*, **2016**, 144, 94-101	5.8	27
55	Carbon storage in China's forest ecosystems: estimation by different integrative methods. *Ecology and Evolution*, **2016**, 6, 3129-45	2.8	12
54	Imbalanced atmospheric nitrogen and phosphorus depositions in China: Implications for nutrient limitation. *Journal of Geophysical Research G: Biogeosciences*, **2016**, 121, 1605-1616	3.7	63
53	Carbon storage in Chinese grassland ecosystems: Influence of different integrative methods. *Scientific Reports*, **2016**, 6, 21378	4.9	23
52	Stoichiometrical regulation of soil organic matter decomposition and its temperature sensitivity. *Ecology and Evolution*, **2016**, 6, 620-7	2.8	21
51	Latitudinal variation of leaf morphological traits from species to communities along a forest transect in eastern China. *Journal of Chinese Geography*, **2016**, 26, 15-26	3.7	31
50	Strong pulse effects of precipitation events on soil microbial respiration in temperate forests. *Geoderma*, **2016**, 275, 67-73	6.7	23
49	Heavy metal deposition through rainfall in Chinese natural terrestrial ecosystems: Evidences from national-scale network monitoring. *Chemosphere*, **2016**, 164, 128-133	8.4	35
48	Wash effect of atmospheric trace metals wet deposition and its source characteristic in subtropical watershed in China. *Environmental Science and Pollution Research*, **2016**, 23, 20388-20401	5.1	8
47	Wet acid deposition in Chinese natural and agricultural ecosystems: Evidence from national-scale monitoring. *Journal of Geophysical Research D: Atmospheres*, **2016**, 121, 10,995-11,005	4.4	19
46	Impact of external nitrogen and phosphorus input between 2006 and 2010 on carbon cycle in China seas. *Regional Environmental Change*, **2015**, 15, 631-641	4.3	10
45	Uncertainty and perspectives in studies of atmospheric nitrogen deposition in China: A response to Liu et al. (2015). *Science of the Total Environment*, **2015**, 520, 302-4	10.2	12

44	Vertical distribution of soil carbon, nitrogen, and phosphorus in typical Chinese terrestrial ecosystems. *Chinese Geographical Science*, **2015**, 25, 549-560	2.9	23
43	The variations in soil microbial communities, enzyme activities and their relationships with soil organic matter decomposition along the northern slope of Changbai Mountain. *Applied Soil Ecology*, **2015**, 86, 19-29	5	131
42	Latitudinal variation of leaf stomatal traits from species to community level in forests: linkage with ecosystem productivity. *Scientific Reports*, **2015**, 5, 14454	4.9	45
41	Responses of SOM decomposition to changing temperature in Zoige alpine wetland, China. *Wetlands Ecology and Management*, **2015**, 23, 977-987	2.1	7
40	Differences in SOM decomposition and temperature sensitivity among soil aggregate size classes in a temperate grasslands. *PLoS ONE*, **2015**, 10, e0117033	3.7	15
39	Stable Water Use Efficiency of Tibetan Alpine Meadows in Past Half Century: Evidence from Wool δ13C Values. *PLoS ONE*, **2015**, 10, e0144752	3.7	0
38	The composition, spatial patterns, and influencing factors of atmospheric wet nitrogen deposition in Chinese terrestrial ecosystems. *Science of the Total Environment*, **2015**, 511, 777-85	10.2	193
37	Long-Term Grazing Exclusion Improves the Composition and Stability of Soil Organic Matter in Inner Mongolian Grasslands. *PLoS ONE*, **2015**, 10, e0128837	3.7	10
36	Changes in Temperature Sensitivity and Activation Energy of Soil Organic Matter Decomposition in Different Qinghai-Tibet Plateau Grasslands. *PLoS ONE*, **2015**, 10, e0132795	3.7	10
35	Spatial and decadal variations in inorganic nitrogen wet deposition in China induced by human activity. *Scientific Reports*, **2014**, 4, 3763	4.9	191
34	Rapid plant species loss at high rates and at low frequency of N addition in temperate steppe. *Global Change Biology*, **2014**, 20, 3520-9	11.4	88
33	Increase in ammonia volatilization from soil in response to N deposition in Inner Mongolia grasslands. *Atmospheric Environment*, **2014**, 84, 156-162	5.3	39
32	Effects of reactive nitrogen deposition on terrestrial and aquatic ecosystems. *Ecological Engineering*, **2014**, 70, 312-318	3.9	25
31	Nitrogen deposition and its spatial pattern in main forest ecosystems along north-south transect of eastern China. *Chinese Geographical Science*, **2014**, 24, 137-146	2.9	26
30	Long-term effects of different land use types on C, N, and P stoichiometry and storage in subtropical ecosystems: A case study in China. *Ecological Engineering*, **2014**, 67, 171-181	3.9	80
29	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. *Journal of Hydrology*, **2014**, 511, 692-702	6	46
28	Water use efficiency threshold for terrestrial ecosystem carbon sequestration in China under afforestation. *Agricultural and Forest Meteorology*, **2014**, 195-196, 32-37	5.8	94
27	Phosphorus and carbon competitive sorption–desorption and associated non-point loss respond to natural rainfall events. *Journal of Hydrology*, **2014**, 517, 447-457	6	27

26	Forest type affects the coupled relationships of soil C and N mineralization in the temperate forests of northern China. *Scientific Reports*, **2014**, 4, 6584	4.9	23
25	The altitudinal patterns of leaf C:N:P stoichiometry are regulated by plant growth form, climate and soil on Changbai Mountain, China. *PLoS ONE*, **2014**, 9, e95196	3.7	49
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