Nian-Peng He

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/2614033/publications.pdf

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	Universal rule and regional variation of vegetation height assembly of typical grasslands in China. Journal of Plant Ecology, 2023, 16, .	2.3	0
2	Global patterns of particulate organic carbon export from land to the ocean. Ecohydrology, 2022, 15, e2373.	2.4	1
3	Soil acidification in Chinaâ€™s forests due to atmospheric acid deposition from 1980 to 2050. Science Bulletin, 2022, 67, 914-917.	9.0	12
4	Differential adaptation of lianas and trees in wet and dry forests revealed by trait correlation networks. Ecological Indicators, 2022, 135, 108564.	6.3	6
5	Contrasting responses of plant above and belowground biomass carbon pools to extreme drought in six grasslands spanning an aridity gradient. Plant and Soil, 2022, 473, 167-180.	3.7	13
6	Allometry and Distribution of Nitrogen in Natural Plant Communities of the Tibetan Plateau. Frontiers in Plant Science, 2022, 13, 845813.	3.6	3
7	Variation and adaptation in leaf sulfur content across China. Journal of Plant Ecology, 2022, 15, 743-755.	2.3	6
8	The adjustment of life history strategies drives the ecological adaptations of soil microbiota to aridity. Molecular Ecology, 2022, 31, 2920-2934.	3.9	18
9	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.	8.8	11
10	Precipitation balances deterministic and stochastic processes of bacterial community assembly in grassland soils. Soil Biology and Biochemistry, 2022, 168, 108635.	8.8	38
11	Carbon sequestration of Chinese forests from 2010 to 2060: spatiotemporal dynamics and its regulatory strategies. Science Bulletin, 2022, 67, 836-843.	9.0	60
12	Leaf trait network architecture shifts with speciesâ€richness and climate across forests at continental scale. Ecology Letters, 2022, 25, 1442-1457.	6.4	29
13	Variation in functional trait diversity from tropical to cold-temperate forests and linkage to productivity. Ecological Indicators, 2022, 138, 108864.	6.3	4
14	Dominant species control effects of nitrogen addition on ecosystem stability. Science of the Total Environment, 2022, 838, 156060.	8.0	11
15	Plant community traits associated with nitrogen can predict spatial variability in productivity. Ecological Indicators, 2022, 140, 109001.	6.3	5
16	Leaf N:P ratio does not predict productivity trends across natural terrestrial ecosystems. Ecology, 2022, 103, .	3.2	8
17	Contrasting adaptation and optimization of stomatal traits across communities at continental scale. Journal of Experimental Botany, 2022, 73, 6405-6416.	4.8	5
18	Spatial variation and allocation of sulfur among major plant organs in China. Science of the Total Environment, 2022, 844, 157155.	8.0	4

#	Article	IF	Citations
19	Changes in leaf stomatal traits of different aged temperate forest stands. Journal of Forestry Research, 2021, 32, 927-936.	3.6	10
20	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.	3.6	3
21	Differential response of abundant and rare bacterial subcommunities to abiotic and biotic gradients across temperate deserts. Science of the Total Environment, 2021, 763, 142942.	8.0	13
22	Higher soil acidification risk in southeastern Tibetan Plateau. Science of the Total Environment, 2021, 755, 143372.	8.0	13
23	Investigating the spatio-temporal variability of soil organic carbon stocks in different ecosystems of China. Science of the Total Environment, 2021, 758, 143644.	8.0	36
24	Headwater stream ecosystem: an important source of greenhouse gases to the atmosphere. Water Research, 2021, 190, 116738.	11.3	43
25	Leaf Multi-Element Network Reveals the Change of Species Dominance Under Nitrogen Deposition. Frontiers in Plant Science, 2021, 12, 580340.	3.6	2
26	Global patterns in leaf stoichiometry across coastal wetlands. Global Ecology and Biogeography, 2021, 30, 852-869.	5.8	22
27	Microbial metabolic response to winter warming stabilizes soil carbon. Global Change Biology, 2021, 27, 2011-2028.	9.5	50
28	How to Improve the Predictions of Plant Functional Traits on Ecosystem Functioning?. Frontiers in Plant Science, 2021, 12, 622260.	3.6	24
29	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.	8.8	24
30	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.	3.3	9
31	Stomatal Arrangement Pattern: A New Direction to Explore Plant Adaptation and Evolution. Frontiers in Plant Science, 2021, 12, 655255.	3.6	12
32	Pulse Effect of Precipitation: Spatial Patterns and Mechanisms of Soil Carbon Emissions. Frontiers in Ecology and Evolution, 2021, 9, .	2.2	10
33	Effects of pulse precipitation on soil organic matter mineralization in forests: spatial variation and controlling factors. Journal of Plant Ecology, 2021, 14, 970-980.	2.3	5
34	Root Community Traits: Scaling-Up and Incorporating Roots Into Ecosystem Functional Analyses. Frontiers in Plant Science, 2021, 12, 690235.	3.6	6
35	Effect of atmospheric nitrogen deposition and its components on carbon flux in terrestrial ecosystems in China. Environmental Research, 2021, 202, 111787.	7.5	6
36	Local community assembly processes shape Î²â€diversity of soil phoDâ€harbouring communities in the Northern Hemisphere steppes. Global Ecology and Biogeography, 2021, 30, 2273-2285.	5.8	19

#	Article	IF	Citations
37	Opposing shifts in distributions of chlorophyll concentration and composition in grassland under warming. Scientific Reports, 2021, 11, 15736.	3.3	4
38	Spatial variation of stomatal morphological traits in grassland plants of the Loess Plateau. Ecological Indicators, 2021, 128, 107857.	6.3	11
39	Changes in species abundances with short-term and long-term nitrogen addition are mediated by stoichiometric homeostasis. Plant and Soil, 2021, 469, 39-48.	3.7	10
40	Hysteresis response of wet nitrate deposition to emission reduction in Chinese terrestrial ecosystems. Atmospheric Environment, 2021, 260, 118555.	4.1	8
41	Environmental filtering rather than phylogeny determines plant leaf size in three floristically distinctive plateaus. Ecological Indicators, 2021, 130, 108049.	6.3	13
42	Spatial variation in leaf potassium concentrations and its role in plant adaptation strategies. Ecological Indicators, 2021, 130, 108063.	6.3	12
43	Divergent long- and short-term responses to environmental gradients in specific leaf area of grassland species. Ecological Indicators, 2021, 130, 108058.	6.3	16
44	C:N:P stoichiometry in terrestrial ecosystems in China. Science of the Total Environment, 2021, 795, 148849.	8.0	47
45	Plant community traits can explain variation in productivity of selective logging forests after different restoration times. Ecological Indicators, 2021, 131, 108181.	6.3	5
46	Community chlorophyll quantity determines the spatial variation of grassland productivity. Science of the Total Environment, 2021, 801, 149567.	8.0	6
47	Analysis of soil clay mineral in terrestrial ecosystem using X-ray diffraction spectroscopy. Spectroscopy Letters, 2021, 54, 65-71.	1.0	2
48	Leaf Trait Networks Based on Global Data: Representing Variation and Adaptation in Plants. Frontiers in Plant Science, 2021, 12, 710530.	3.6	17
49	Variation and adaptation of leaf water content among species, communities, and biomes. Environmental Research Letters, 2021, 16, 124038.	5.2	2
50	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.	3.9	6
51	Conservative allocation strategy of multiple nutrients among major plant organs: From species to community. Journal of Ecology, 2020, 108, 267-278.	4.0	47
52	Nitrogen storage in Chinaâ€™s terrestrial ecosystems. Science of the Total Environment, 2020, 709, 136201.	8.0	30
53	Variation and evolution of C:N ratio among different organs enable plants to adapt to Nâ€limited environments. Global Change Biology, 2020, 26, 2534-2543.	9.5	124
54	Effect of pulse precipitation on soil CO2 release in different grassland types on the Tibetan Plateau. European Journal of Soil Biology, 2020, 101, 103250.	3.2	5

#	Article	IF	Citations
55	Spatial Variation of Leaf Chlorophyll in Northern Hemisphere Grasslands. Frontiers in Plant Science, 2020, 11, 1244.	3.6	12
56	Changes to soil organic matter decomposition rate and its temperature sensitivity along water table gradients in cold-temperate forest swamps. Catena, 2020, 194, 104684.	5.0	13
57	Spatiotemporal variability, source apportionment, and acid-neutralizing capacity of atmospheric wet base-cation deposition in China. Environmental Pollution, 2020, 262, 114335.	7.5	19
58	Optimal Community Assembly Related to Leaf Economic- Hydraulic-Anatomical Traits. Frontiers in Plant Science, 2020, 11, 341.	3.6	25
59	Plant Trait Networks: Improved Resolution of the Dimensionality of Adaptation. Trends in Ecology and Evolution, 2020, 35, 908-918.	8.7	107
60	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.	3.2	10
61	Plant functional traits regulate soil bacterial diversity across temperate deserts. Science of the Total Environment, 2020, 715, 136976.	8.0	34
62	Biomass energy in China's terrestrial ecosystems: Insights into the nation's sustainable energy supply. Renewable and Sustainable Energy Reviews, 2020, 127, 109857.	16.4	51
63	Nitrogen storage and allocation in Chinaâ€™s forest ecosystems. Science China Earth Sciences, 2020, 63, 1475-1484.	5.2	11
64	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.	3.9	13
65	Regional response of grassland productivity to changing environment conditions influenced by limiting factors. PLoS ONE, 2020, 15, e0240238.	2.5	9
66	Title is missing!. , 2020, 15, e0240238.		0
67	Title is missing!. , 2020, 15, e0240238.		0
68	Title is missing!. , 2020, 15, e0240238.		0
69	Title is missing!. , 2020, 15, e0240238.		0
70	Tracking the fate of deposited nitrogen and its redistribution in a subtropical watershed in China. Ecohydrology, 2019, 12, e2094.	2.4	8
71	Plant functional traits determine latitudinal variations in soil microbial function: evidence from forests in China. Biogeosciences, 2019, 16, 3333-3349.	3.3	2
72	A new incubation and measurement approach to estimate the temperature response of soil organic matter decomposition. Soil Biology and Biochemistry, 2019, 138, 107596.	8.8	12

#	Article	IF	Citations
73	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.	3.2	16
74	Sediment addition and legume cultivation result in sustainable, longâ€term increases in ecosystem functions of sandy grasslands. Land Degradation and Development, 2019, 30, 1667-1676.	3.9	5
75	Stabilization of atmospheric nitrogen deposition in China over the past decade. Nature Geoscience, 2019, 12, 424-429.	12.9	490
76	Variation in leaf morphological, stomatal, and anatomical traits and their relationships in temperate and subtropical forests. Scientific Reports, 2019, 9, 5803.	3.3	61
77	Rainfall driven transport of carbon and nitrogen along karst slopes and associative interaction characteristic. Journal of Hydrology, 2019, 573, 246-254.	5.4	13
78	Using Î´13C to reveal the importance of different water transport pathways in two nested karst basins, Southwest China. Journal of Hydrology, 2019, 571, 425-436.	5.4	12
79	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.	9.5	93
80	Soil Microbial Metabolic Quotient in Inner Mongolian Grasslands: Patterns and Influence Factors. Chinese Geographical Science, 2019, 29, 1001-1010.	3.0	7
81	Microbes drive global soil nitrogen mineralization and availability. Global Change Biology, 2019, 25, 1078-1088.	9.5	248
82	Nitrogen addition does not reduce the role of spatial asynchrony in stabilising grassland communities. Ecology Letters, 2019, 22, 563-571.	6.4	75
83	Increased soil organic carbon storage in Chinese terrestrial ecosystems from the 1980s to the 2010s. Journal of Chinese Geography, 2019, 29, 49-66.	3.9	58
84	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.	9.3	64
85	Ecosystem Traits Linking Functional Traits to Macroecology. Trends in Ecology and Evolution, 2019, 34, 200-210.	8.7	140
86	Variation in the nitrogen concentration of the leaf, branch, trunk, and root in vegetation in China. Ecological Indicators, 2019, 96, 496-504.	6.3	14
87	Microbes drive global soil nitrogen mineralization and availability. , 2019, 25, 1078.		1
88	Allocation strategies for nitrogen and phosphorus in forest plants. Oikos, 2018, 127, 1506-1514.	2.7	52
89	Patterns of plant carbon, nitrogen, and phosphorus concentration in relation to productivity in Chinaâ€™s terrestrial ecosystems. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 4033-4038.	7.1	227
90	Carbon pools in Chinaâ€™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.	7.1	466

#	Article	IF	Citations
91	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.	7.1	486
92	Joint structural and physiological control on the interannual variation in productivity in a temperate grassland: A dataâ€model comparison. Global Change Biology, 2018, 24, 2965-2979.	9.5	53
93	Spatial patterns and environmental factors influencing leaf carbon content in the forests and shrublands of China. Journal of Chinese Geography, 2018, 28, 791-801.	3.9	13
94	Carbon storage in Chinaâ€™s terrestrial ecosystems: A synthesis. Scientific Reports, 2018, 8, 2806.	3.3	86
95	Effects of temperature, soil substrate, and microbial community on carbon mineralization across three climatically contrasting forest sites. Ecology and Evolution, 2018, 8, 879-891.	1.9	37
96	Latitudinal patterns and influencing factors of soil humic carbon fractions from tropical to temperate forests. Journal of Chinese Geography, 2018, 28, 15-30.	3.9	16
97	The optimum temperature of soil microbial respiration: Patterns and controls. Soil Biology and Biochemistry, 2018, 121, 35-42.	8.8	68
98	Variation in leaf anatomical traits from tropical to coldâ€temperate forests and linkage to ecosystem functions. Functional Ecology, 2018, 32, 10-19.	3.6	82
99	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.	2.3	12
100	Root elemental composition in Chinese forests: Implications for biogeochemical niche differentiation. Functional Ecology, 2018, 32, 40-49.	3.6	24
101	Rational land-use types in the karst regions of China: Insights from soil organic matter composition and stability. Catena, 2018, 160, 345-353.	5.0	29
102	Climate warming impacts on soil organic carbon fractions and aggregate stability in a Tibetan alpine meadow. Soil Biology and Biochemistry, 2018, 116, 224-236.	8.8	108
103	C:N:P stoichiometry in China's forests: From organs to ecosystems. Functional Ecology, 2018, 32, 50-60.	3.6	168
104	Different phylogenetic and environmental controls of firstâ€order root morphological and nutrient traits: Evidence ofÂmultidimensional root traits. Functional Ecology, 2018, 32, 29-39.	3.6	66
105	Soil gross N ammonification and nitrification from tropical to temperate forests in eastern China. Functional Ecology, 2018, 32, 83-94.	3.6	38
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.	4.3	26
107	Scale dependence of the diversityâ€“stability relationship in a temperate grassland. Journal of Ecology, 2018, 106, 1277-1285.	4.0	33
108	Variation in leaf chlorophyll concentration from tropical to cold-temperate forests: Association with gross primary productivity. Ecological Indicators, 2018, 85, 383-389.	6.3	66

#	Article	IF	Citations
109	Variation of stomatal traits from cold temperate to tropical forests and association with water use efficiency. Functional Ecology, 2018, 32, 20-28.	3.6	115
110	Soil organic matter availability and climate drive latitudinal patterns in bacterial diversity from tropical to cold temperate forests. Functional Ecology, 2018, 32, 61-70.	3.6	106
111	Changes in trait and phylogenetic diversity of leaves and absorptive roots from tropical to boreal forests. Plant and Soil, 2018, 432, 389-401.	3.7	14
112	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.	3.7	3
113	Deforestation decreases spatial turnover and alters the network interactions in soil bacterial communities. Soil Biology and Biochemistry, 2018, 123, 80-86.	8.8	73
114	Divergence of dominant factors in soil microbial communities and functions in forest ecosystems along a climatic gradient. Biogeosciences, 2018, 15, 1217-1228.	3.3	9
115	Widespread asymmetric response of soil heterotrophic respiration to warming and cooling. Science of the Total Environment, 2018, 635, 423-431.	8.0	9
116	Climate variability decreases species richness and community stability in a temperate grassland. Oecologia, 2018, 188, 183-192.	2.0	74
117	Variation in the calorific values of different plants organs in China. PLoS ONE, 2018, 13, e0199762.	2.5	12
118	Factors Influencing Leaf Chlorophyll Content in Natural Forests at the Biome Scale. Frontiers in Ecology and Evolution, 2018, 6, .	2.2	240
119	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.	4.8	13
120	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.	5.3	8
121	Effect of nitrogen and acid deposition on soil respiration in a temperate forest in China. Geoderma, 2018, 329, 82-90.	5.1	25
122	Monthly dynamics of atmospheric wet nitrogen deposition on different spatial scales in China. Environmental Science and Pollution Research, 2018, 25, 24417-24425.	5.3	13
123	Soil and vegetation carbon turnover times from tropical to boreal forests. Functional Ecology, 2018, 32, 71-82.	3.6	68
124	A global synthesis of the rate and temperature sensitivity of soil nitrogen mineralization: latitudinal patterns and mechanisms. Global Change Biology, 2017, 23, 455-464.	9.5	151
125	Regional variation in the temperature sensitivity of soil organic matter decomposition in China's forests and grasslands. Global Change Biology, 2017, 23, 3393-3402.	9.5	101
126	Mowing exacerbates the loss of ecosystem stability under nitrogen enrichment in a temperate grassland. Functional Ecology, 2017, 31, 1637-1646.	3.6	71

#	Article	IF	Citations
127	Effects of atmospheric reactive phosphorus deposition on phosphorus transport in a subtropical watershed: A Chinese case study. Environmental Pollution, 2017, 226, 69-78.	7.5	30
128	Spatial pattern of grassland aboveground biomass and its environmental controls in the Eurasian steppe. Journal of Chinese Geography, 2017, 27, 3-22.	3.9	36
129	Elevational gradient affect functional fractions of soil organic carbon and aggregates stability in a Tibetan alpine meadow. Catena, 2017, 156, 139-148.	5.0	59
130	Complex trait relationships between leaves and absorptive roots: Coordination in tissue N concentration but divergence in morphology. Ecology and Evolution, 2017, 7, 2697-2705.	1.9	34
131	Asymmetric responses of soil heterotrophic respiration to rising and decreasing temperatures. Soil Biology and Biochemistry, 2017, 106, 18-27.	8.8	29
132	Hydrolase kinetics to detect temperature-related changes in the rates of soil organic matter decomposition. European Journal of Soil Biology, 2017, 81, 108-115.	3.2	17
133	Development of atmospheric acid deposition in China from the 1990s to the 2010s. Environmental Pollution, 2017, 231, 182-190.	7.5	92
134	Asynchronous pulse responses of soil carbon and nitrogen mineralization to rewetting events at a short-term: Regulation by microbes. Scientific Reports, 2017, 7, 7492.	3.3	6
135	Estimation of carbon sequestration in Chinaâ€™s forests induced by atmospheric wet nitrogen deposition using the principles of ecological stoichiometry. Environmental Research Letters, 2017, 12, 114038.	5.2	15
136	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.	1.9	18
137	Nitrogen loss from karst area in China in recent 50Âyears: AnÂinâ€šitu simulated rainfall experiment's assessment. Ecology and Evolution, 2017, 7, 10131-10142.	1.9	49
138	Regional variation in carbon sequestration potential of forest ecosystems in China. Chinese Geographical Science, 2017, 27, 337-350.	3.0	11
139	Carbon sequestration potential and its eco-service function in the karst area, China. Journal of Chinese Geography, 2017, 27, 967-980.	3.9	31
140	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.	8.8	245
141	Vegetation carbon sequestration in Chinese forests from 2010 to 2050. Global Change Biology, 2017, 23, 1575-1584.	9.5	90
142	Grassland restoration in northern China is far from complete: evidence from carbon variation in the last three decades. Ecosphere, 2017, 8, e01750.	2.2	4
143	Construction and progress of Chinese terrestrial ecosystem carbon, nitrogen and water fluxes coordinated observation. Journal of Chinese Geography, 2016, 26, 803-826.	3.9	33
144	Coordinated pattern of multiâ€element variability in leaves and roots across <scp>C</scp>hinese forest biomes. Global Ecology and Biogeography, 2016, 25, 359-367.	5.8	99

#	Article	IF	Citations
145	Nitrogen enrichment weakens ecosystem stability through decreased species asynchrony and population stability in a temperate grassland. Global Change Biology, 2016, 22, 1445-1455.	9.5	139
146	Methods of evaluating soil bulk density: Impact on estimating large scale soil organic carbon storage. Catena, 2016, 144, 94-101.	5.0	38
147	Carbon storage in China's forest ecosystems: estimation byÂdifferent integrative methods. Ecology and Evolution, 2016, 6, 3129-3145.	1.9	18
148	Imbalanced atmospheric nitrogen and phosphorus depositions in China: Implications for nutrient limitation. Journal of Geophysical Research G: Biogeosciences, 2016, 121, 1605-1616.	3.0	113
149	Carbon storage in Chinese grassland ecosystems: Influence of different integrative methods. Scientific Reports, 2016, 6, 21378.	3.3	29
150	Stoichiometrical regulation of soil organic matter decomposition and its temperature sensitivity. Ecology and Evolution, 2016, 6, 620-627.	1.9	27
151	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.	3.9	44
152	Strong pulse effects of precipitation events on soil microbial respiration in temperate forests. Geoderma, 2016, 275, 67-73.	5.1	33
153	Heavy metal deposition through rainfall in Chinese natural terrestrial ecosystems: Evidences from national-scale network monitoring. Chemosphere, 2016, 164, 128-133.	8.2	45
154	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.	5.3	10
155	Wet acid deposition in Chinese natural and agricultural ecosystems: Evidence from nationalâ€scale monitoring. Journal of Geophysical Research D: Atmospheres, 2016, 121, 10,995.	3.3	29
156	Significant Phylogenetic Signal and Climate-Related Trends in Leaf Caloric Value from Tropical to Cold-Temperate Forests. Scientific Reports, 2016, 6, 36674.	3.3	11
157	Soil microbial respiration rate and temperature sensitivity along a northâ€south forest transect in eastern China: Patterns and influencing factors. Journal of Geophysical Research G: Biogeosciences, 2016, 121, 399-410.	3.0	45
158	Global inorganic nitrogen dry deposition inferred from ground- and space-based measurements. Scientific Reports, 2016, 6, 19810.	3.3	86
159	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.	3.3	16
160	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.	2.0	24
161	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.	1.6	28
162	Leaf morphological and anatomical traits from tropical to temperate coniferous forests: Mechanisms and influencing factors. Scientific Reports, 2016, 6, 19703.	3.3	93

#	Article	IF	Citations
163	Fewer new species colonize at low frequency N addition in a temperate grassland. Functional Ecology, 2016, 30, 1247-1256.	3.6	25
164	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.	9.1	54
165	A synthesis of the effect of grazing exclusion on carbon dynamics in grasslands in China. Global Change Biology, 2016, 22, 1385-1393.	9.5	157
166	Forest carbon storage along the north-south transect of eastern China: Spatial patterns, allocation, and influencing factors. Ecological Indicators, 2016, 61, 960-967.	6.3	58
167	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.	6.3	55
168	Effects of Temperature and Moisture on Soil Organic Matter Decomposition Along Elevation Gradients on the Changbai Mountains, Northeast China. Pedosphere, 2016, 26, 399-407.	4.0	57
169	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.	2.4	68
170	Patterns and regulating mechanisms of soil nitrogen mineralization and temperature sensitivity in Chinese terrestrial ecosystems. Agriculture, Ecosystems and Environment, 2016, 215, 40-46.	5.3	52
171	Dynamics of Soil Organic Carbon and Aggregate Stability with Grazing Exclusion in the Inner Mongolian Grasslands. PLoS ONE, 2016, 11, e0146757.	2.5	19
172	Leaf Caloric Value from Tropical to Cold-Temperate Forests: Latitudinal Patterns and Linkage to Productivity. PLoS ONE, 2016, 11, e0157935.	2.5	6
173	Latitudinal variation of leaf stomatal traits from species to community level in forests: linkage with ecosystem productivity. Scientific Reports, 2015, 5, 14454.	3.3	77
174	Responses of SOM decomposition to changing temperature in Zoige alpine wetland, China. Wetlands Ecology and Management, 2015, 23, 977-987.	1.5	8
175	Differences in SOM Decomposition and Temperature Sensitivity among Soil Aggregate Size Classes in a Temperate Grasslands. PLoS ONE, 2015, 10, e0117033.	2.5	19
176	Stable Water Use Efficiency of Tibetan Alpine Meadows in Past Half Century: Evidence from Wool Î´13C Values. PLoS ONE, 2015, 10, e0144752.	2.5	2
177	The composition, spatial patterns, and influencing factors of atmospheric wet nitrogen deposition in Chinese terrestrial ecosystems. Science of the Total Environment, 2015, 511, 777-785.	8.0	272
178	Impact of external nitrogen and phosphorus input between 2006 and 2010 on carbon cycle in China seas. Regional Environmental Change, 2015, 15, 631-641.	2.9	12
179	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, 302-304.	8.0	16
180	Vertical distribution of soil carbon, nitrogen, and phosphorus in typical Chinese terrestrial ecosystems. Chinese Geographical Science, 2015, 25, 549-560.	3.0	35

#	Article	IF	Citations
181	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.	4.3	174
182	Long-Term Grazing Exclusion Improves the Composition and Stability of Soil Organic Matter in Inner Mongolian Grasslands. PLoS ONE, 2015, 10, e0128837.	2.5	12
183	Changes in Temperature Sensitivity and Activation Energy of Soil Organic Matter Decomposition in Different Qinghai-Tibet Plateau Grasslands. PLoS ONE, 2015, 10, e0132795.	2.5	21
184	The Altitudinal Patterns of Leaf Cân¶Nân¶P Stoichiometry Are Regulated by Plant Growth Form, Climate and Soil on Changbai Mountain, China. PLoS ONE, 2014, 9, e95196.	2.5	76
185	Carbon and Nitrogen Storage in Inner Mongolian Grasslands: Relationships with Climate and Soil Texture. Pedosphere, 2014, 24, 391-398.	4.0	17
186	Rapid plant species loss at high rates and at low frequency of N addition in temperate steppe. Global Change Biology, 2014, 20, 3520-3529.	9.5	132
187	Increase in ammonia volatilization from soil in response to N deposition in Inner Mongolia grasslands. Atmospheric Environment, 2014, 84, 156-162.	4.1	54
188	Effects of reactive nitrogen deposition on terrestrial and aquatic ecosystems. Ecological Engineering, 2014, 70, 312-318.	3.6	29
189	Nitrogen deposition and its spatial pattern in main forest ecosystems along north-south transect of eastern China. Chinese Geographical Science, 2014, 24, 137-146.	3.0	28
190	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.	3.6	104
191	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.	5.4	55
192	Water use efficiency threshold for terrestrial ecosystem carbon sequestration in China under afforestation. Agricultural and Forest Meteorology, 2014, 195-196, 32-37.	4.8	118
193	Phosphorus and carbon competitive sorptionâ€“desorption and associated non-point loss respond to natural rainfall events. Journal of Hydrology, 2014, 517, 447-457.	5.4	35
194	Forest type affects the coupled relationships of soil C and N mineralization in the temperate forests of northern China. Scientific Reports, 2014, 4, 6584.	3.3	41
195	Spatial and decadal variations in inorganic nitrogen wet deposition in China induced by human activity. Scientific Reports, 2014, 4, 3763.	3.3	243
196	Elevation-Related Variation in Leaf Stomatal Traits as a Function of Plant Functional Type: Evidence from Changbai Mountain, China. PLoS ONE, 2014, 9, e115395.	2.5	38
197	Metallic nanoparticle production and consumption in China between 2000 and 2010 and associative aquatic environmental risk assessment. Journal of Nanoparticle Research, 2013, 15, 1.	1.9	29
198	Ammonia emissions from soil under sheep grazing in inner mongolian grasslands of China. Journal of Arid Land, 2013, 5, 155-165.	2.3	10

#	Article	IF	Citations
199	Increase of External Nutrient Input Impact on Carbon Sinks in Chinese Coastal Seas. Environmental Science & Technology, 2013, 47, 13215-13216.	10.0	14
200	Equilibration of the terrestrial water, nitrogen, and carbon cycles: Advocating a health threshold for carbon storage. Ecological Engineering, 2013, 57, 366-374.	3.6	58
201	Enhancement of Carbon Sequestration in Soil in the Temperature Grasslands of Northern China by Addition of Nitrogen and Phosphorus. PLoS ONE, 2013, 8, e77241.	2.5	18
202	Convergent responses of nitrogen and phosphorus resorption to nitrogen inputs in a semiarid grassland. Global Change Biology, 2013, 19, 2775-2784.	9.5	171
203	Effect of grazing enclosure on the priming effect and temperature sensitivity of soil C miner-alization in <I>Leymus chinensis</I> grasslands, Inner Mongolia, China. Chinese Journal of Plant Ecology, 2013, 36, 1226-1236.	0.6	1
204	Land-use impact on soil carbon and nitrogen sequestration in typical steppe ecosystems, Inner Mongolia. Journal of Chinese Geography, 2012, 22, 859-873.	3.9	27
205	Is There an Existing Healthy Threshold for Carbon Storage in the Ecosystem?. Environmental Science & Technology, 2012, 46, 4687-4688.	10.0	12
206	Losses in Carbon and Nitrogen Stocks in Soil Particleâ€Size Fractions along Cultivation Chronosequences in Inner Mongolian Grasslands. Journal of Environmental Quality, 2012, 41, 1507-1516.	2.0	9
207	Warming and increased precipitation individually influence soil carbon sequestration of Inner Mongolian grasslands, China. Agriculture, Ecosystems and Environment, 2012, 158, 184-191.	5.3	40
208	Testing the Growth Rate Hypothesis in Vascular Plants with Above- and Below-Ground Biomass. PLoS ONE, 2012, 7, e32162.	2.5	55
209	Nitrogen Addition Regulates Soil Nematode Community Composition through Ammonium Suppression. PLoS ONE, 2012, 7, e43384.	2.5	77
210	Divergent Changes in Plant Community Composition under 3-Decade Grazing Exclusion in Continental Steppe. PLoS ONE, 2011, 6, e26506.	2.5	39
211	Stoichiometric homeostasis of vascular plants in the Inner Mongolia grassland. Oecologia, 2011, 166, 1-10.	2.0	171
212	Linking stoichiometric homoeostasis with ecosystem structure, functioning and stability. Ecology Letters, 2010, 13, 1390-1399.	6.4	271
213	Linking stoichiometric homeostasis with ecosystem structure, functioning, and stability. Nature Precedings, 2010, , .	0.1	4
214	Changes in carbon and nitrogen in soil particle-size fractions along a grassland restoration chronosequence in northern China. Geoderma, 2009, 150, 302-308.	5.1	78
215	Variations in the Volatile Organic Compound Emission Potential of Plant Functional Groups in the Temperate Grassland Vegetation of Inner Mongolia, China. Journal of Integrative Plant Biology, 2005, 47, 13-19.	8.5	9
216	Biogenic VOCs emission inventory development of temperate grassland vegetation in Xilin River basin, Inner Mongolia, China. Journal of Environmental Sciences, 2004, 16, 1024-32.	6.1	1

#	Article	IF	Citations
217	Impacts of Climate Warming on Soil Phosphorus Forms and Transformation in a Tibetan Alpine Meadow. Journal of Soil Science and Plant Nutrition, 0, , 1.	3.4	3
218	Soil Moisture Affects the Rapid Response of Microbes to Labile Organic C Addition. Frontiers in Ecology and Evolution, 0, 10, .	2.2	8