Xingguo Han

List of Publications by Year
in descending order

314 papers	19,155 citations	11651 70 h-index	19190 118 g-index
319 all docs	319 docs citations	319 times ranked	13768 citing authors

#	Article	IF	Citations
1	Mowing increased plant diversity but not soil microbial biomass under N-enriched environment in a temperate grassland. Plant and Soil, 2023, 491, 205-217.	3.7	7
2	Disturbance-level-dependent post-disturbance succession in a Eurasian steppe. Science China Life Sciences, 2022, 65, 142-150.	4.9	5
3	Community response of arbuscular mycorrhizal fungi to extreme drought in a coldâ€temperate grassland. New Phytologist, 2022, 234, 2003-2017.	7.3	35
4	Chronic and intense droughts differentially influence grassland carbon-nutrient dynamics along a natural aridity gradient. Plant and Soil, 2022, 473, 137-148.	3.7	10
5	Biodiversityâ€"productivity relationships in a natural grassland community vary under diversity loss scenarios. Journal of Ecology, 2022, 110, 210-220.	4.0	10
6	Biogeography of soil protistan consumer and parasite is contrasting and linked to microbial nutrient mineralization in forest soils at a wide-scale. Soil Biology and Biochemistry, 2022, 165, 108513.	8.8	10
7	Energy balance and partitioning over grasslands on the Mongolian Plateau. Ecological Indicators, 2022, 135, 108560.	6.3	13
8	Differential responses of grassland community nonstructural carbohydrate to experimental drought along a natural aridity gradient. Science of the Total Environment, 2022, 822, 153589.	8.0	14
9	Distinctive pattern and mechanism of precipitation changes affecting soil microbial assemblages in the Eurasian steppe. IScience, 2022, 25, 103893.	4.1	4
10	Nitrogen enrichment buffers phosphorus limitation by mobilizing mineralâ€bound soil phosphorus in grasslands. Ecology, 2022, 103, e3616.	3.2	35
11	Greater soil microbial biomass loss at low frequency of N addition in an Inner Mongolia grassland. Journal of Plant Ecology, 2022, 15, 721-732.	2.3	3
12	Retention of deposited ammonium and nitrate and its impact on the global forest carbon sink. Nature Communications, 2022, 13, 880.	12.8	55
13	Intensity and Duration of Nitrogen Addition Jointly Alter Soil Nutrient Availability in a Temperate Grassland. Journal of Geophysical Research G: Biogeosciences, 2022, 127, .	3.0	8
14	Redox Zone and Trophic State as Drivers of Methane-Oxidizing Bacterial Abundance and Community Structure in Lake Sediments. Frontiers in Environmental Science, 2022, 10, .	3.3	4
15	Low carbon availability in paleosols nonlinearly attenuates temperature sensitivity of soil organic matter decomposition. Global Change Biology, 2022, 28, 4180-4193.	9.5	10
16	Contrasting community responses of root and soil dwelling fungi to extreme drought in a temperate grassland. Soil Biology and Biochemistry, 2022, 169, 108670.	8.8	11
17	Intraâ€annual species gain overrides species loss in determining species richness in a typical steppe ecosystem after a decade of nitrogen enrichment. Journal of Ecology, 2022, 110, 1942-1956.	4.0	5
18	Long-term preservation of biomolecules in lake sediments: potential importance of physical shielding by recalcitrant cell walls. , 2022, 1, .		4

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19	Increasing rates of longâ€term nitrogen deposition consistently increased litter decomposition in a semiâ€arid grassland. New Phytologist, 2021, 229, 296-307.	7.3	54
20	Sensitivity of soil nitrifying and denitrifying microorganisms to nitrogen deposition on the Qinghaiâ€"Tibetan plateau. Annals of Microbiology, 2021, 71, .	2.6	8
21	Leaf Multi-Element Network Reveals the Change of Species Dominance Under Nitrogen Deposition. Frontiers in Plant Science, 2021, 12, 580340.	3.6	2
22	Species asynchrony stabilises productivity under extreme drought across Northern China grasslands. Journal of Ecology, 2021, 109, 1665-1675.	4.0	42
23	Effects of plant intraspecific variation on the prediction of C3/C4 vegetation ratio from carbon isotope composition of topsoil organic matter across grasslands. Journal of Plant Ecology, 2021, 14, 628-637.	2.3	5
24	Spatial patterns and ecological drivers of soil nematode <i>Î²</i>â€diversity in natural grasslands vary among vegetation types and trophic position. Journal of Animal Ecology, 2021, 90, 1367-1378.	2.8	9
25	Beneficial effects of nitrogen deposition on carbon and nitrogen accumulation in grasses over other species in Inner Mongolian grasslands. Global Ecology and Conservation, 2021, 26, e01507.	2.1	3
26	Financial inclusion may limit sustainable development under economic globalization and climate change. Environmental Research Letters, 2021, 16, 054049.	5.2	16
27	Major advances in plant ecology research in China (2020). Journal of Plant Ecology, 2021, 14, 995-1001.	2.3	1
28	Slow recovery of soil methane oxidation potential after cessation of N addition in a typical steppe. Pedobiologia, 2021, 85-86, 150709.	1.2	0
29	Soil moisture, temperature and nitrogen availability interactively regulate carbon exchange in a meadow steppe ecosystem. Agricultural and Forest Meteorology, 2021, 304-305, 108389.	4.8	8
30	Carbon limitation overrides acidification in mediating soil microbial activity to nitrogen enrichment in a temperate grassland. Global Change Biology, 2021, 27, 5976-5988.	9.5	55
31	Plant traits and soil fertility mediate productivity losses under extreme drought in C₃ grasslands. Ecology, 2021, 102, e03465.	3.2	35
32	Soil microbial community responses to long-term nitrogen addition at different soil depths in a typical steppe. Applied Soil Ecology, 2021, 167, 104054.	4.3	28
33	Environmental filtering rather than phylogeny determines plant leaf size in three floristically distinctive plateaus. Ecological Indicators, 2021, 130, 108049.	6.3	13
34	Effects of nitrogen addition on plant-soil micronutrients vary with nitrogen form and mowing management in a meadow steppe. Environmental Pollution, 2021, 289, 117969.	7.5	17
35	Nitrogen enrichment affects the competition network of aboveground species on the Inner Mongolia steppe. Global Ecology and Conservation, 2021, 31, e01826.	2.1	0
36	Different deterministic versus stochastic drivers for the composition and structure of a temperate grassland community. Global Ecology and Conservation, 2021, 31, e01866.	2.1	2

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37	Plantâ€"bacteriaâ€"soil response to frequency of simulated nitrogen deposition has implications for global ecosystem change. Functional Ecology, 2020, 34, 723-734.	3.6	16
38	Nonlinear responses of soil nematode community composition to increasing aridity. Global Ecology and Biogeography, 2020, 29, 117-126.	5.8	36
39	Vertical variations in plant- and microbial-derived carbon components in grassland soils. Plant and Soil, 2020, 446, 441-455.	3.7	15
40	The FLUXNET2015 dataset and the ONEFlux processing pipeline for eddy covariance data. Scientific Data, 2020, 7, 225.	5.3	646
41	Resistance of steppe communities to extreme drought in northeast China. Plant and Soil, 2020, , 1.	3.7	16
42	Population turnover promotes fungal stability in a semi-arid grassland under precipitation shifts. Journal of Plant Ecology, 2020, 13, 499-509.	2.3	8
43	Species responses to changing precipitation depend on trait plasticity rather than trait means and intraspecific variation. Functional Ecology, 2020, 34, 2622-2633.	3.6	20
44	Eutrophication as a driver of microbial community structure in lake sediments. Environmental Microbiology, 2020, 22, 3446-3462.	3.8	51
45	Plant Trait Networks: Improved Resolution of the Dimensionality of Adaptation. Trends in Ecology and Evolution, 2020, 35, 908-918.	8.7	107
46	Response of fine root decomposition to different forms of N deposition in a temperate grassland. Soil Biology and Biochemistry, 2020, 147, 107845.	8.8	29
47	Tussock and Savanna Ecosystems. Ecosystems of China, 2020, , 545-583.	0.1	0
48	Overview of Chinese Grassland Ecosystems. Ecosystems of China, 2020, , 23-47.	0.1	2
49	Marsh Grassland Ecosystem. Ecosystems of China, 2020, , 515-544.	0.1	0
50	Typical Steppe Ecosystem. Ecosystems of China, 2020, , 193-248.	0.1	3
51	Global change effects on plant communities are magnified by time and the number of global change factors imposed. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 17867-17873.	7.1	141
52	Plants alter their vertical root distribution rather than biomass allocation in response to changing precipitation. Ecology, 2019, 100, e02828.	3.2	86
53	Long term experimental drought alters community plant trait variation, not trait means, across three semiarid grasslands. Plant and Soil, 2019, 442, 343-353.	3.7	31
54	Distinct Drivers of Core and Accessory Components of Soil Microbial Community Functional Diversity under Environmental Changes. MSystems, 2019, 4, .	3.8	28

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55	Asymmetry in aboveâ€•and belowground productivity responses to N addition in a semiâ€arid temperate steppe. Global Change Biology, 2019, 25, 2958-2969.	9.5	63
56	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
57	Distribution of lignin phenols in comparison with plant-derived lipids in the alpine versus temperate grassland soils. Plant and Soil, 2019, 439, 325-338.	3.7	18
58	Changing precipitation exerts greater influence on soil heterotrophic than autotrophic respiration in a semiarid steppe. Agricultural and Forest Meteorology, 2019, 271, 413-421.	4.8	56
59	Distribution and Preservation of Rootâ€•and Shootâ€Derived Carbon Components in Soils Across the Chineseâ€Mongolian Grasslands. Journal of Geophysical Research G: Biogeosciences, 2019, 124, 420-431.	3.0	14
60	Frequency and intensity of nitrogen addition alter soil inorganic sulfur fractions, but the effects vary with mowing management in a temperate steppe. Biogeosciences, 2019, 16, 2891-2904.	3.3	6
61	Changes in litter quality induced by N deposition alter soil microbial communities. Soil Biology and Biochemistry, 2019, 130, 33-42.	8.8	77
62	Environmental and spatial variables determine the taxonomic but not functional structure patterns of microbial communities in alpine grasslands. Science of the Total Environment, 2019, 654, 960-968.	8.0	11
63	Nitrogen addition does not reduce the role of spatial asynchrony in stabilising grassland communities. Ecology Letters, 2019, 22, 563-571.	6.4	75
64	Ecosystem Traits Linking Functional Traits to Macroecology. Trends in Ecology and Evolution, 2019, 34, 200-210.	8.7	140
65	Aridity thresholds of soil microbial metabolic indices along a 3,200 km transect across arid and semi-arid regions in Northern China. PeerJ, 2019, 7, e6712.	2.0	15
66	Plant functional diversity modulates global environmental change effects on grassland productivity. Journal of Ecology, 2018, 106, 1941-1951.	4.0	61
67	Foliar nutrient resorption differs between arbuscular mycorrhizal and ectomycorrhizal trees at local and global scales. Global Ecology and Biogeography, 2018, 27, 875-885.	5.8	55
68	Higher capability of C3 than C4 plants to use nitrogen inferred from nitrogen stable isotopes along an aridity gradient. Plant and Soil, 2018, 428, 93-103.	3.7	17
69	Dissolved methane in groundwater of domestic wells and its potential emissions in arid and semi-arid regions of Inner Mongolia, China. Science of the Total Environment, 2018, 626, 1193-1199.	8.0	9
70	Higher precipitation strengthens the microbial interactions in semiâ€arid grassland soils. Global Ecology and Biogeography, 2018, 27, 570-580.	5.8	151
71	Chinaâ€™s new rural â€œseparating three property rightsâ€• land reform results in grassland degradation: Evidence from Inner Mongolia. Land Use Policy, 2018, 71, 170-182.	5.6	86
72	Mitigation of nitrous oxide emissions from acidic soils by <i>Bacillus amyloliquefaciens</i>, a plant growthâ€promoting bacterium. Global Change Biology, 2018, 24, 2352-2365.	9.5	46

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73	Largeâ€Scale Distribution of Molecular Components in Chinese Grassland Soils: The Influence of Input and Decomposition Processes. Journal of Geophysical Research G: Biogeosciences, 2018, 123, 239-255.	3.0	29
74	Topography and grazing effects on storage of soil organic carbon and nitrogen in the northern China grasslands. Ecological Indicators, 2018, 93, 45-53.	6.3	56
75	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
76	Facilitation by leguminous shrubs increases along a precipitation gradient. Functional Ecology, 2018, 32, 203-213.	3.6	21
77	Soil gross N ammonification and nitrification from tropical to temperate forests in eastern China. Functional Ecology, 2018, 32, 83-94.	3.6	38
78	Scale dependence of the diversityâ€"stability relationship in a temperate grassland. Journal of Ecology, 2018, 106, 1277-1285.	4.0	33
79	The carbon sequestration potential of China's grasslands. Ecosphere, 2018, 9, e02452.	2.2	22
80	Effect of intermediate disturbance on soil microbial functional diversity depends on the amount of effective resources. Environmental Microbiology, 2018, 20, 3862-3875.	3.8	24
81	Differential responses of canopy nutrients to experimental drought along a natural aridity gradient. Ecology, 2018, 99, 2230-2239.	3.2	61
82	The impacts of nitrogen deposition on community N:P stoichiometry do not depend on phosphorus availability in a temperate meadow steppe. Environmental Pollution, 2018, 242, 82-89.	7.5	20
83	Climate variability decreases species richness and community stability in a temperate grassland. Oecologia, 2018, 188, 183-192.	2.0	74
84	Effects of extreme drought on plant nutrient uptake and resorption in rhizomatous vs bunchgrass-dominated grasslands. Oecologia, 2018, 188, 633-643.	2.0	35
85	Intensity and frequency of nitrogen addition alter soil chemical properties depending on mowing management in a temperate steppe. Journal of Environmental Management, 2018, 224, 77-86.	7.8	27
86	Quantifying the indirect effects of nitrogen deposition on grassland litter chemical traits. Biogeochemistry, 2018, 139, 261-273.	3.5	15
87	Asymmetric sensitivity of ecosystem carbon and water processes in response to precipitation change in a semiâ€arid steppe. Functional Ecology, 2017, 31, 1301-1311.	3.6	84
88	Mowing exacerbates the loss of ecosystem stability under nitrogen enrichment in a temperate grassland. Functional Ecology, 2017, 31, 1637-1646.	3.6	71
89	Grassland species respond differently to altered precipitation amount and pattern. Environmental and Experimental Botany, 2017, 137, 166-176.	4.2	25
90	Long-term mowing did not alter the impacts of nitrogen deposition on litter quality in a temperate steppe. Ecological Engineering, 2017, 102, 404-410.	3.6	15

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91	Homeâ€field advantages of litter decomposition increase with increasing N deposition rates: a litter and soil perspective. Functional Ecology, 2017, 31, 1792-1801.	3.6	36
92	Habitat-specific patterns and drivers of bacterial Î²-diversity in Chinaâ€™s drylands. ISME Journal, 2017, 11, 1345-1358.	9.8	218
93	Temporal variability of foliar nutrients: responses to nitrogen deposition and prescribed fire in a temperate steppe. Biogeochemistry, 2017, 133, 295-305.	3.5	8
94	Differences in below-ground bud bank density and composition along a climatic gradient in the temperate steppe of northern China. Annals of Botany, 2017, 120, 755-764.	2.9	31
95	Decreased plant productivity resulting from plant group removal experiment constrains soil microbial functional diversity. Global Change Biology, 2017, 23, 4318-4332.	9.5	45
96	Depth profiles of soil carbon isotopes along a semi-arid grassland transect in northern China. Plant and Soil, 2017, 417, 43-52.	3.7	31
97	Exacerbated nitrogen limitation ends transient stimulation of grassland productivity by increased precipitation. Ecological Monographs, 2017, 87, 457-469.	5.4	87
98	Experimental warming reveals positive feedbacks to climate change in the Eurasian Steppe. ISME Journal, 2017, 11, 885-895.	9.8	47
99	Methane Production Explained Largely by Water Content in the Heartwood of Living Trees in Upland Forests. Journal of Geophysical Research G: Biogeosciences, 2017, 122, 2479-2489.	3.0	49
100	Consistent responses of litter stoichiometry to N addition across different biological organization levels in a semi-arid grassland. Plant and Soil, 2017, 421, 191-202.	3.7	8
101	Changes in specific leaf area of dominant plants in temperate grasslands along a 2500-km transect in northern China. Scientific Reports, 2017, 7, 10780.	3.3	53
102	Carbon and nitrogen allocation shifts in plants and soils along aridity and fertility gradients in grasslands of China. Ecology and Evolution, 2017, 7, 6927-6934.	1.9	41
103	Responses of soil microbial functional genes to global changes are indirectly influenced by aboveground plant biomass variation. Soil Biology and Biochemistry, 2017, 104, 18-29.	8.8	75
104	Experimentally increased water and nitrogen affect root production and vertical allocation of an old-field grassland. Plant and Soil, 2017, 412, 369-380.	3.7	32
105	Alteration of soil carbon and nitrogen pools and enzyme activities as affected by increased soil coarseness. Biogeosciences, 2017, 14, 2155-2166.	3.3	7
106	Abiotic versus biotic controls on soil nitrogen cycling in drylands along a 3200â€‰km transect. Biogeosciences, 2017, 14, 989-1001.	3.3	24
107	Effect of soil coarseness on soil base cations and available micronutrients in a semi-arid sandy grassland. Solid Earth, 2016, 7, 549-556.	2.8	13
108	Carbon and nitrogen contents in particleâ€“size fractions of topsoil along a 3000â€‰km aridity gradient in grasslands of northern China. Biogeosciences, 2016, 13, 3635-3646.	3.3	29

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109	Methane emissions from the trunks of living trees on upland soils. New Phytologist, 2016, 211, 429-439.	7.3	78
110	Nonlinear responses of ecosystem carbon fluxes and waterâ€use efficiency to nitrogen addition in Inner Mongolia grassland. Functional Ecology, 2016, 30, 490-499.	3.6	75
111	Effects of functional diversity loss on ecosystem functions are influenced by compensation. Ecology, 2016, 97, 2293-2302.	3.2	56
112	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
113	Effects of plant functional group loss on soil biota and net ecosystem exchange: a plant removal experiment in the Mongolian grassland. Journal of Ecology, 2016, 104, 734-743.	4.0	58
114	Mitigating methane emission from paddy soil with rice-straw biochar amendment under projected climate change. Scientific Reports, 2016, 6, 24731.	3.3	79
115	Environmental changes affect the assembly of soil bacterial community primarily by mediating stochastic processes. Global Change Biology, 2016, 22, 198-207.	9.5	87
116	Responses and sensitivity of N, P and mobile carbohydrates of dominant species to increased water, N and P availability in semi-arid grasslands in northern China. Journal of Plant Ecology, 2016, , rtw053.	2.3	9
117	Effects of mistletoe removal on growth, N and C reserves, and carbon and oxygen isotope composition in Scots pine hosts. Tree Physiology, 2016, 36, 562-575.	3.1	26
118	A threshold reveals decoupled relationship of sulfur with carbon and nitrogen in soils across arid and semi-arid grasslands in northern China. Biogeochemistry, 2016, 127, 141-153.	3.5	29
119	Effects of grazing and climate variability on grassland ecosystem functions in Inner Mongolia: Synthesis of a 6-year grazing experiment. Journal of Arid Environments, 2016, 135, 50-63.	2.4	56
120	Nitrogen deposition promotes phosphorus uptake of plants in a semi-arid temperate grassland. Plant and Soil, 2016, 408, 475-484.	3.7	41
121	Microbial versus non-microbial methane releases from fresh soils at different temperatures. Geoderma, 2016, 284, 178-184.	5.1	6
122	Arbuscular mycorrhizal fungi regulate soil respiration and its response to precipitation change in a semiarid steppe. Scientific Reports, 2016, 6, 19990.	3.3	37
123	Fewer new species colonize at low frequency N addition in a temperate grassland. Functional Ecology, 2016, 30, 1247-1256.	3.6	25
124	Thresholds in decoupled soil-plant elements under changing climatic conditions. Plant and Soil, 2016, 409, 159-173.	3.7	30
125	Variations in leaf carbon isotope composition along an arid and semi-arid grassland transect in northern China. Journal of Plant Ecology, 2016, 9, 576-585.	2.3	25
126	Stochastic processes play more important roles in driving the dynamics of rarer species. Journal of Plant Ecology, 2016, 9, 328-332.	2.3	24

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127	Responses of Soil Bacterial Communities to Nitrogen Deposition and Precipitation Increment Are Closely Linked with Aboveground Community Variation. Microbial Ecology, 2016, 71, 974-989.	2.8	86
128	Impacts of leguminous shrub encroachment on neighboring grasses include transfer of fixed nitrogen. Oecologia, 2016, 180, 1213-1222.	2.0	16
129	Evident elevation of atmospheric monoterpenes due to degradation-induced species changes in a semi-arid grassland. Science of the Total Environment, 2016, 541, 1499-1503.	8.0	2
130	Nutrient resorption helps drive intra-specific coupling of foliar nitrogen and phosphorus under nutrient-enriched conditions. Plant and Soil, 2016, 398, 111-120.	3.7	50
131	A novel soil manganese mechanism drives plant species loss with increased nitrogen deposition in a temperate steppe. Ecology, 2016, 97, 65-74.	3.2	165
132	Nitrogen deposition influences the response of Potentilla tanacetifolia to phosphorus addition. Phyton, 2016, 85, 100-107.	0.7	0
133	Bi-national research and education cooperation in the U.S.-China EcoPartnership for Environmental Sustainability. Journal of Renewable and Sustainable Energy, 2015, 7, 041512.	2.0	2
134	Productivity depends more on the rate than the frequency of N addition in a temperate grassland. Scientific Reports, 2015, 5, 12558.	3.3	47
135	Long term prevention of disturbance induces the collapse of a dominant species without altering ecosystem function. Scientific Reports, 2015, 5, 14320.	3.3	13
136	Environmental changes drive the temporal stability of semiâ€arid natural grasslands through altering species asynchrony. Journal of Ecology, 2015, 103, 1308-1316.	4.0	143
137	Plant nutrients do not covary with soil nutrients under changing climatic conditions. Global Biogeochemical Cycles, 2015, 29, 1298-1308.	4.9	62
138	Nitrogen addition and mowing affect microbial nitrogen transformations in a <scp>C4</scp> grassland in northern <scp>C</scp>hina. European Journal of Soil Science, 2015, 66, 485-495.	3.9	18
139	Contrasting pH buffering patterns in neutral-alkaline soils along a 3600 km transect in northern China. Biogeosciences, 2015, 12, 7047-7056.	3.3	40
140	Effects of nitrogen deposition rates and frequencies on the abundance of soil nitrogen-related functional genes in temperate grassland of northern China. Journal of Soils and Sediments, 2015, 15, 694-704.	3.0	48
141	Antithetical effects of nitrogen and water availability on community similarity of semiarid grasslands: evidence from a nine-year manipulation experiment. Plant and Soil, 2015, 397, 357-369.	3.7	23
142	Contrasting responses in leaf nutrient-use strategies of two dominant grass species along a 30-yr temperate steppe grazing exclusion chronosequence. Plant and Soil, 2015, 387, 69-79.	3.7	49
143	Increased precipitation induces a positive plant-soil feedback in a semi-arid grassland. Plant and Soil, 2015, 389, 211-223.	3.7	39
144	Strategies to alleviate poverty and grassland degradation in Inner Mongolia: Intensification vs production efficiency of livestock systems. Journal of Environmental Management, 2015, 152, 177-182.	7.8	106

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145	Spatial patterns of soil nutrients, plant diversity, and aboveground biomass in the Inner Mongolia grassland: before and after a biodiversity removal experiment. Landscape Ecology, 2015, 30, 1737-1750.	4.2	19
146	Testing biodiversity-ecosystem functioning relationship in the worldâ€™s largest grassland: overview of the IMGRE project. Landscape Ecology, 2015, 30, 1723-1736.	4.2	30
147	Plant carbon limitation does not reduce nitrogen transfer from arbuscular mycorrhizal fungi to Plantago lanceolata. Plant and Soil, 2015, 396, 369-380.	3.7	31
148	Stoichiometric homeostasis predicts plant species dominance, temporal stability, and responses to global change. Ecology, 2015, 96, 2328-2335.	3.2	106
149	Scale-dependent effects of climate and geographic distance on bacterial diversity patterns across northern China's grasslands. FEMS Microbiology Ecology, 2015, 91, fiv133.	2.7	87
150	Mechanisms of soil acidification reducing bacterial diversity. Soil Biology and Biochemistry, 2015, 81, 275-281.	8.8	75
151	Salt tolerance during seed germination and early seedling stages of 12 halophytes. Plant and Soil, 2015, 388, 229-241.	3.7	50
152	Effects of Nitrogen Addition and Fire on Plant Nitrogen Use in a Temperate Steppe. PLoS ONE, 2014, 9, e90057.	2.5	4
153	Water Content Differences Have Stronger Effects than Plant Functional Groups on Soil Bacteria in a Steppe Ecosystem. PLoS ONE, 2014, 9, e115798.	2.5	11
154	Terrestrial Contributions to the Aquatic Food Web in the Middle Yangtze River. PLoS ONE, 2014, 9, e102473.	2.5	18
155	The counteractive effects of nitrogen addition and watering on soil bacterial communities in a steppe ecosystem. Soil Biology and Biochemistry, 2014, 72, 26-34.	8.8	88
156	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
157	Increase in ammonia volatilization from soil in response to N deposition in Inner Mongolia grasslands. Atmospheric Environment, 2014, 84, 156-162.	4.1	54
158	Effects of experimentally-enhanced precipitation and nitrogen on resistance, recovery and resilience of a semi-arid grassland after drought. Oecologia, 2014, 176, 1187-1197.	2.0	52
159	Aridity threshold in controlling ecosystem nitrogen cycling in arid and semi-arid grasslands. Nature Communications, 2014, 5, 4799.	12.8	254
160	Hierarchical responses of plant stoichiometry to nitrogen deposition and mowing in a temperate steppe. Plant and Soil, 2014, 382, 175-187.	3.7	61
161	Restoring the degraded grassland and improving sustainability of grassland ecosystem through chicken farming: A case study in northern China. Agriculture, Ecosystems and Environment, 2014, 186, 115-123.	5.3	24
162	Responses of nutrient concentrations and stoichiometry of senesced leaves in dominant plants to nitrogen addition and prescribed burning in a temperate steppe. Ecological Engineering, 2014, 70, 154-161.	3.6	17

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163	Plant nitrogen uptake drives responses of productivity to nitrogen and water addition in a grassland. Scientific Reports, 2014, 4, 4817.	3.3	71
164	Grasshoppers Regulate N:P Stoichiometric Homeostasis by Changing Phosphorus Contents in Their Frass. PLoS ONE, 2014, 9, e103697.	2.5	29
165	Ammonia emissions from soil under sheep grazing in inner mongolian grasslands of China. Journal of Arid Land, 2013, 5, 155-165.	2.3	10
166	Soil organic and inorganic carbon contents under various land uses across a transect of continental steppes in Inner Mongolia. Catena, 2013, 109, 110-117.	5.0	50
167	Widespread non-microbial methane production by organic compounds and the impact of environmental stresses. Earth-Science Reviews, 2013, 127, 193-202.	9.1	48
168	Linking ethylene to nitrogen-dependent leaf longevity of grass species in a temperate steppe. Annals of Botany, 2013, 112, 1879-1885.	2.9	7
169	Carbon dioxide emission from temperate semiarid steppe during the non-growing season. Atmospheric Environment, 2013, 64, 141-149.	4.1	27
170	N balance and cycling of Inner Mongolia typical steppe: a comprehensive case study of grazing effects. Ecological Monographs, 2013, 83, 195-219.	5.4	105
171	Nitrogen deposition weakens plantâ€“microbe interactions in grassland ecosystems. Global Change Biology, 2013, 19, 3688-3697.	9.5	221
172	Sampling Date, Leaf Age and Root Size: Implications for the Study of Plant C:N:P Stoichiometry. PLoS ONE, 2013, 8, e60360.	2.5	56
173	Patterns of Plant Biomass Allocation in Temperate Grasslands across a 2500-km Transect in Northern China. PLoS ONE, 2013, 8, e71749.	2.5	46
174	Response of the Abundance of Key Soil Microbial Nitrogen-Cycling Genes to Multi-Factorial Global Changes. PLoS ONE, 2013, 8, e76500.	2.5	83
175	Soil Bacterial Communities Respond to Climate Changes in a Temperate Steppe. PLoS ONE, 2013, 8, e78616.	2.5	26
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