Xingguo Han

List of Publications by Year in Descending Order

304 papers	13,564 citations	59 h-index	101 g-index
319 ext. papers	16,524 ext. citations	5.7 avg, IF	6.4 L-index

#	Paper	IF	Citations
304	Energy balance and partitioning over grasslands on the Mongolian Plateau. *Ecological Indicators*, **2022**, 135, 108560	5.8	2
303	Differential responses of grassland community nonstructural carbohydrate to experimental drought along a natural aridity gradient.. *Science of the Total Environment*, **2022**, 153589	10.2	1
302	Distinctive pattern and mechanism of precipitation changes affecting soil microbial assemblages in the Eurasian steppe.. *IScience*, **2022**, 25, 103893	6.1	0
301	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	7.5	1
300	Retention of deposited ammonium and nitrate and its impact on the global forest carbon sink.. *Nature Communications*, **2022**, 13, 880	17.4	5
299	Contrasting community responses of root and soil dwelling fungi to extreme drought in a temperate grassland. *Soil Biology and Biochemistry*, **2022**, 169, 108670	7.5	0
298	Nitrogen enrichment buffers phosphorus limitation by mobilizing mineral-bound soil phosphorus in grasslands.. *Ecology*, **2021**, e3616	4.6	1
297	Different deterministic versus stochastic drivers for the composition and structure of a temperate grassland community. *Global Ecology and Conservation*, **2021**, 31, e01866	2.8	0
296	Disturbance-level-dependent post-disturbance succession in a Eurasian steppe. *Science China Life Sciences*, **2021**, 1	8.5	1
295	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	1.7	0
294	Spatial patterns and ecological drivers of soil nematode □diversity in natural grasslands vary among vegetation types and trophic position. *Journal of Animal Ecology*, **2021**, 90, 1367-1378	4.7	2
293	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	2.8	1
292	Financial inclusion may limit sustainable development under economic globalization and climate change. *Environmental Research Letters*, **2021**, 16, 054049	6.2	5
291	Major advances in plant ecology research in China (2020). *Journal of Plant Ecology*, **2021**, 14, 995-1001	1.7	
290	Slow recovery of soil methane oxidation potential after cessation of N addition in a typical steppe. *Pedobiologia*, **2021**, 85-86, 150709	1.7	
289	Increasing rates of long-term nitrogen deposition consistently increased litter decomposition in a semi-arid grassland. *New Phytologist*, **2021**, 229, 296-307	9.8	13
288	Sensitivity of soil nitrifying and denitrifying microorganisms to nitrogen deposition on the Qinghai□Tibetan plateau. *Annals of Microbiology*, **2021**, 71,	3.2	5

287	Leaf Multi-Element Network Reveals the Change of Species Dominance Under Nitrogen Deposition. *Frontiers in Plant Science*, **2021**, 12, 580340	6.2	1
286	Species asynchrony stabilises productivity under extreme drought across Northern China grasslands. *Journal of Ecology*, **2021**, 109, 1665-1675	6	13
285	Soil moisture, temperature and nitrogen availability interactively regulate carbon exchange in a meadow steppe ecosystem. *Agricultural and Forest Meteorology*, **2021**, 304-305, 108389	5.8	2
284	Carbon limitation overrides acidification in mediating soil microbial activity to nitrogen enrichment in a temperate grassland. *Global Change Biology*, **2021**, 27, 5976-5988	11.4	3
283	Plant traits and soil fertility mediate productivity losses under extreme drought in C grasslands. *Ecology*, **2021**, 102, e03465	4.6	7
282	Community response of arbuscular mycorrhizal fungi to extreme drought in a cold-temperate grassland. *New Phytologist*, **2021**,	9.8	2
281	Soil microbial community responses to long-term nitrogen addition at different soil depths in a typical steppe. *Applied Soil Ecology*, **2021**, 167, 104054	5	1
280	Environmental filtering rather than phylogeny determines plant leaf size in three floristically distinctive plateaus. *Ecological Indicators*, **2021**, 130, 108049	5.8	1
279	Effects of nitrogen addition on plant-soil micronutrients vary with nitrogen form and mowing management in a meadow steppe. *Environmental Pollution*, **2021**, 289, 117969	9.3	2
278	Nitrogen enrichment affects the competition network of aboveground species on the Inner Mongolia steppe. *Global Ecology and Conservation*, **2021**, 31, e01826	2.8	
277	Eutrophication as a driver of microbial community structure in lake sediments. *Environmental Microbiology*, **2020**, 22, 3446-3462	5.2	12
276	Plant Trait Networks: Improved Resolution of the Dimensionality of Adaptation. *Trends in Ecology and Evolution*, **2020**, 35, 908-918	10.9	37
275	Overview of Chinese Grassland Ecosystems. *Ecosystems of China*, **2020**, 23-47	0.1	0
274	Marsh Grassland Ecosystem. *Ecosystems of China*, **2020**, 515-544	0.1	
273	Typical Steppe Ecosystem. *Ecosystems of China*, **2020**, 193-248	0.1	0
272	Tussock and Savanna Ecosystems. *Ecosystems of China*, **2020**, 545-583	0.1	
271	Response of fine root decomposition to different forms of N deposition in a temperate grassland. *Soil Biology and Biochemistry*, **2020**, 147, 107845	7.5	6
270	Plant–bacteria–soil response to frequency of simulated nitrogen deposition has implications for global ecosystem change. *Functional Ecology*, **2020**, 34, 723-734	5.6	9

269	Nonlinear responses of soil nematode community composition to increasing aridity. *Global Ecology and Biogeography*, **2020**, 29, 117-126	6.1	16
268	Vertical variations in plant- and microbial-derived carbon components in grassland soils. *Plant and Soil*, **2020**, 446, 441-455	4.2	5
267	The FLUXNET2015 dataset and the ONEFlux processing pipeline for eddy covariance data. *Scientific Data*, **2020**, 7, 225	8.2	256
266	Resistance of steppe communities to extreme drought in northeast China. *Plant and Soil*, **2020**, 1	4.2	4
265	Population turnover promotes fungal stability in a semi-arid grassland under precipitation shifts. *Journal of Plant Ecology*, **2020**, 13, 499-509	1.7	2
264	Species responses to changing precipitation depend on trait plasticity rather than trait means and intraspecific variation. *Functional Ecology*, **2020**, 34, 2622-2633	5.6	9
263	Distinct Drivers of Core and Accessory Components of Soil Microbial Community Functional Diversity under Environmental Changes. *MSystems*, **2019**, 4,	7.6	8
262	Asymmetry in above- and belowground productivity responses to N addition in a semi-arid temperate steppe. *Global Change Biology*, **2019**, 25, 2958-2969	11.4	22
261	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
260	Distribution of lignin phenols in comparison with plant-derived lipids in the alpine versus temperate grassland soils. *Plant and Soil*, **2019**, 439, 325-338	4.2	11
259	Changing precipitation exerts greater influence on soil heterotrophic than autotrophic respiration in a semiarid steppe. *Agricultural and Forest Meteorology*, **2019**, 271, 413-421	5.8	27
258	Distribution and Preservation of Root- and Shoot-Derived Carbon Components in Soils Across the Chinese-Mongolian Grasslands. *Journal of Geophysical Research G: Biogeosciences*, **2019**, 124, 420-431	3.7	8
257	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	11.5	69
256	Plants alter their vertical root distribution rather than biomass allocation in response to changing precipitation. *Ecology*, **2019**, 100, e02828	4.6	42
255	Long term experimental drought alters community plant trait variation, not trait means, across three semiarid grasslands. *Plant and Soil*, **2019**, 442, 343-353	4.2	13
254	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	3.1	8
253	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	4.6	0
252	Changes in litter quality induced by N deposition alter soil microbial communities. *Soil Biology and Biochemistry*, **2019**, 130, 33-42	7.5	38

251	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	10.2	3
250	Nitrogen addition does not reduce the role of spatial asynchrony in stabilising grassland communities. *Ecology Letters*, **2019**, 22, 563-571	10	33
249	Ecosystem Traits Linking Functional Traits to Macroecology. *Trends in Ecology and Evolution*, **2019**, 34, 200-210	10.9	64
248	Plant functional diversity modulates global environmental change effects on grassland productivity. *Journal of Ecology*, **2018**, 106, 1941-1951	6	33
247	Foliar nutrient resorption differs between arbuscular mycorrhizal and ectomycorrhizal trees at local and global scales. *Global Ecology and Biogeography*, **2018**, 27, 875-885	6.1	27
246	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	4.2	13
245	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	10.2	4
244	Higher precipitation strengthens the microbial interactions in semi-arid grassland soils. *Global Ecology and Biogeography*, **2018**, 27, 570-580	6.1	83
243	China's new rural "separating three property rights" land reform results in grassland degradation: Evidence from Inner Mongolia. *Land Use Policy*, **2018**, 71, 170-182	5.6	57
242	Mitigation of nitrous oxide emissions from acidic soils by Bacillus amyloliquefaciens, a plant growth-promoting bacterium. *Global Change Biology*, **2018**, 24, 2352-2365	11.4	19
241	Large-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	3.7	21
240	Topography and grazing effects on storage of soil organic carbon and nitrogen in the northern China grasslands. *Ecological Indicators*, **2018**, 93, 45-53	5.8	38
239	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
238	Facilitation by leguminous shrubs increases along a precipitation gradient. *Functional Ecology*, **2018**, 32, 203-213	5.6	12
237	Effects of extreme drought on plant nutrient uptake and resorption in rhizomatous vs bunchgrass-dominated grasslands. *Oecologia*, **2018**, 188, 633-643	2.9	25
236	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	7.9	10
235	Quantifying the indirect effects of nitrogen deposition on grassland litter chemical traits. *Biogeochemistry*, **2018**, 139, 261-273	3.8	8
234	Soil gross N ammonification and nitrification from tropical to temperate forests in eastern China. *Functional Ecology*, **2018**, 32, 83-94	5.6	22

233	Scale dependence of the diversity-stability relationship in a temperate grassland. *Journal of Ecology* , **2018**, 106, 1227-1285	6	13
232	The carbon sequestration potential of China's grasslands. *Ecosphere*, **2018**, 9, e02452	3.1	11
231	Effect of intermediate disturbance on soil microbial functional diversity depends on the amount of effective resources. *Environmental Microbiology*, **2018**, 20, 3862-3875	5.2	13
230	Differential responses of canopy nutrients to experimental drought along a natural aridity gradient. *Ecology*, **2018**, 99, 2230-2239	4.6	32
229	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	9.3	14
228	Climate variability decreases species richness and community stability in a temperate grassland. *Oecologia*, **2018**, 188, 183-192	2.9	42
227	Asymmetric sensitivity of ecosystem carbon and water processes in response to precipitation change in a semi-arid steppe. *Functional Ecology*, **2017**, 31, 1301-1311	5.6	49
226	Mowing exacerbates the loss of ecosystem stability under nitrogen enrichment in a temperate grassland. *Functional Ecology*, **2017**, 31, 1637-1646	5.6	42
225	Grassland species respond differently to altered precipitation amount and pattern. *Environmental and Experimental Botany*, **2017**, 137, 166-176	5.9	14
224	Long-term mowing did not alter the impacts of nitrogen deposition on litter quality in a temperate steppe. *Ecological Engineering*, **2017**, 102, 404-410	3.9	9
223	Home-field advantages of litter decomposition increase with increasing N deposition rates: a litter and soil perspective. *Functional Ecology*, **2017**, 31, 1792-1801	5.6	23
222	Habitat-specific patterns and drivers of bacterial diversity in China's drylands. *ISME Journal*, **2017**, 11, 1345-1358	11.9	111
221	Temporal variability of foliar nutrients: responses to nitrogen deposition and prescribed fire in a temperate steppe. *Biogeochemistry*, **2017**, 133, 295-305	3.8	8
220	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	4.1	19
219	Decreased plant productivity resulting from plant group removal experiment constrains soil microbial functional diversity. *Global Change Biology*, **2017**, 23, 4318-4332	11.4	24
218	Depth profiles of soil carbon isotopes along a semi-arid grassland transect in northern China. *Plant and Soil*, **2017**, 417, 43-52	4.2	19
217	Exacerbated nitrogen limitation ends transient stimulation of grassland productivity by increased precipitation. *Ecological Monographs*, **2017**, 87, 457-469	9	52
216	Experimental warming reveals positive feedbacks to climate change in the Eurasian Steppe. *ISME Journal*, **2017**, 11, 885-895	11.9	37

215	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	3.7	34
214	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	4.2	5
213	Alteration of soil carbon and nitrogen pools and enzyme activities as affected by increased soil coarseness. *Biogeosciences*, **2017**, 14, 2155-2166	4.6	5
212	Abiotic versus biotic controls on soil nitrogen cycling in drylands along a 3200 km transect. *Biogeosciences*, **2017**, 14, 989-1001	4.6	20
211	Changes in specific leaf area of dominant plants in temperate grasslands along a 2500-km transect in northern China. *Scientific Reports*, **2017**, 7, 10780	4.9	37
210	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	2.8	26
209	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	7.5	43
208	Experimentally increased water and nitrogen affect root production and vertical allocation of an old-field grassland. *Plant and Soil*, **2017**, 412, 369-380	4.2	15
207	Nutrient resorption helps drive intra-specific coupling of foliar nitrogen and phosphorus under nutrient-enriched conditions. *Plant and Soil*, **2016**, 398, 111-120	4.2	33
206	A novel soil manganese mechanism drives plant species loss with increased nitrogen deposition in a temperate steppe. *Ecology*, **2016**, 97, 65-74	4.6	103
205	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	2.5	40
204	Nitrogen deposition promotes phosphorus uptake of plants in a semi-arid temperate grassland. *Plant and Soil*, **2016**, 408, 475-484	4.2	25
203	Microbial versus non-microbial methane releases from fresh soils at different temperatures. *Geoderma*, **2016**, 284, 178-184	6.7	5
202	Arbuscular mycorrhizal fungi regulate soil respiration and its response to precipitation change in a semiarid steppe. *Scientific Reports*, **2016**, 6, 19990	4.9	26
201	Fewer new species colonize at low frequency N addition in a temperate grassland. *Functional Ecology*, **2016**, 30, 1247-1256	5.6	18
200	Thresholds in decoupled soil-plant elements under changing climatic conditions. *Plant and Soil*, **2016**, 409, 159-173	4.2	19
199	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	1.7	15
198	Stochastic processes play more important roles in driving the dynamics of rarer species. *Journal of Plant Ecology*, **2016**, 9, 328-332	1.7	18

197	Responses of Soil Bacterial Communities to Nitrogen Deposition and Precipitation Increment Are Closely Linked with Aboveground Community Variation. *Microbial Ecology*, **2016**, 71, 974-89	4.4	55
196	Impacts of leguminous shrub encroachment on neighboring grasses include transfer of fixed nitrogen. *Oecologia*, **2016**, 180, 1213-22	2.9	12
195	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	10.2	2
194	Effect of soil coarseness on soil base cations and available micronutrients in a semi-arid sandy grassland. *Solid Earth*, **2016**, 7, 549-556	3.3	10
193	Carbon and nitrogen contents in particle□ize fractions of topsoil along a 3000 km aridity gradient in grasslands of northern China. *Biogeosciences*, **2016**, 13, 3635-3646	4.6	19
192	Methane emissions from the trunks of living trees on upland soils. *New Phytologist*, **2016**, 211, 429-39	9.8	57
191	Nonlinear responses of ecosystem carbon fluxes and water-use efficiency to nitrogen addition in Inner Mongolia grassland. *Functional Ecology*, **2016**, 30, 490-499	5.6	47
190	Effects of functional diversity loss on ecosystem functions are influenced by compensation. *Ecology* , **2016**, 97, 2293-2302	4.6	42
189	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
188	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	6	35
187	Mitigating methane emission from paddy soil with rice-straw biochar amendment under projected climate change. *Scientific Reports*, **2016**, 6, 24731	4.9	50
186	Environmental changes affect the assembly of soil bacterial community primarily by mediating stochastic processes. *Global Change Biology*, **2016**, 22, 198-207	11.4	54
185	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	1.7	6
184	Effects of mistletoe removal on growth, N and C reserves, and carbon and oxygen isotope composition in Scots pine hosts. *Tree Physiology*, **2016**, 36, 562-75	4.2	16
183	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	3.8	20
182	Strategies to alleviate poverty and grassland degradation in Inner Mongolia: intensification vs production efficiency of livestock systems. *Journal of Environmental Management*, **2015**, 152, 177-82	7.9	75
181	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	4.3	15
180	Testing biodiversity-ecosystem functioning relationship in the world□ largest grassland: overview of the IMGRE project. *Landscape Ecology*, **2015**, 30, 1723-1736	4.3	24

179	Plant carbon limitation does not reduce nitrogen transfer from arbuscular mycorrhizal fungi to Plantago lanceolata. *Plant and Soil*, **2015**, 396, 369-380	4.2	16
178	Stoichiometric homeostasis predicts plant species dominance, temporal stability, and responses to global change. *Ecology*, **2015**, 96, 2328-35	4.6	65
177	Scale-dependent effects of climate and geographic distance on bacterial diversity patterns across northern China's grasslands. *FEMS Microbiology Ecology*, **2015**, 91,	4.3	56
176	Mechanisms of soil acidification reducing bacterial diversity. *Soil Biology and Biochemistry*, **2015**, 81, 275-281	7.3	55
175	Salt tolerance during seed germination and early seedling stages of 12 halophytes. *Plant and Soil*, **2015**, 388, 229-241	4.2	37
174	Bi-national research and education cooperation in the U.S.-China EcoPartnership for Environmental Sustainability. *Journal of Renewable and Sustainable Energy*, **2015**, 7, 041512	2.5	1
173	Productivity depends more on the rate than the frequency of N addition in a temperate grassland. *Scientific Reports*, **2015**, 5, 12558	4.9	34
172	Long term prevention of disturbance induces the collapse of a dominant species without altering ecosystem function. *Scientific Reports*, **2015**, 5, 14320	4.9	8
171	Environmental changes drive the temporal stability of semi-arid natural grasslands through altering species asynchrony. *Journal of Ecology*, **2015**, 103, 1308-1316	6	87
170	Plant nutrients do not covary with soil nutrients under changing climatic conditions. *Global Biogeochemical Cycles*, **2015**, 29, 1298-1308	5.9	42
169	Nitrogen addition and mowing affect microbial nitrogen transformations in a C4 grassland in northern China. *European Journal of Soil Science*, **2015**, 66, 485-495	3.4	14
168	Contrasting pH buffering patterns in neutral-alkaline soils along a 3600 km transect in northern China. *Biogeosciences*, **2015**, 12, 7047-7056	4.6	23
167	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	3.4	33
166	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	4.2	13
165	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	4.2	34
164	Increased precipitation induces a positive plant-soil feedback in a semi-arid grassland. *Plant and Soil* , **2015**, 389, 211-223	4.2	30
163	Plant nitrogen uptake drives responses of productivity to nitrogen and water addition in a grassland. *Scientific Reports*, **2014**, 4, 4817	4.9	51
162	The counteractive effects of nitrogen addition and watering on soil bacterial communities in a steppe ecosystem. *Soil Biology and Biochemistry*, **2014**, 72, 26-34	7.5	59

161	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
160	Increase in ammonia volatilization from soil in response to N deposition in Inner Mongolia grasslands. *Atmospheric Environment*, **2014**, 84, 156-162	5.3	39
159	Effects of experimentally-enhanced precipitation and nitrogen on resistance, recovery and resilience of a semi-arid grassland after drought. *Oecologia*, **2014**, 176, 1187-97	2.9	33
158	Aridity threshold in controlling ecosystem nitrogen cycling in arid and semi-arid grasslands. *Nature Communications*, **2014**, 5, 4799	17.4	162
157	Hierarchical responses of plant stoichiometry to nitrogen deposition and mowing in a temperate steppe. *Plant and Soil*, **2014**, 382, 175-187	4.2	44
156	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	5.7	21
155	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	3.9	12
154	Effects of nitrogen addition and fire on plant nitrogen use in a temperate steppe. *PLoS ONE*, **2014**, 9, e90057	3.7	2
153	Water content differences have stronger effects than plant functional groups on soil bacteria in a steppe ecosystem. *PLoS ONE*, **2014**, 9, e115798	3.7	9
152	Terrestrial contributions to the aquatic food web in the middle Yangtze River. *PLoS ONE*, **2014**, 9, e102473	3.7	14
151	Grasshoppers regulate N:p stoichiometric homeostasis by changing phosphorus contents in their frass. *PLoS ONE*, **2014**, 9, e103697	3.7	25
150	Ammonia emissions from soil under sheep grazing in inner mongolian grasslands of China. *Journal of Arid Land*, **2013**, 5, 155-165	2.2	9
149	Soil organic and inorganic carbon contents under various land uses across a transect of continental steppes in Inner Mongolia. *Catena*, **2013**, 109, 110-117	5.8	38
148	Widespread non-microbial methane production by organic compounds and the impact of environmental stresses. *Earth-Science Reviews*, **2013**, 127, 193-202	10.2	42
147	Linking ethylene to nitrogen-dependent leaf longevity of grass species in a temperate steppe. *Annals of Botany*, **2013**, 112, 1879-85	4.1	6
146	Carbon dioxide emission from temperate semiarid steppe during the non-growing season. *Atmospheric Environment*, **2013**, 64, 141-149	5.3	23
145	N balance and cycling of Inner Mongolia typical steppe: a comprehensive case study of grazing effects. *Ecological Monographs*, **2013**, 83, 195-219	9	74
144	Nitrogen deposition weakens plant-microbe interactions in grassland ecosystems. *Global Change Biology*, **2013**, 19, 3688-97	11.4	157

143	Sampling date, leaf age and root size: implications for the study of plant C:N:p stoichiometry. *PLoS ONE*, **2013**, 8, e60360	3.7	42
142	Patterns of plant biomass allocation in temperate grasslands across a 2500-km transect in northern China. *PLoS ONE*, **2013**, 8, e71749	3.7	39
141	Response of the abundance of key soil microbial nitrogen-cycling genes to multi-factorial global changes. *PLoS ONE*, **2013**, 8, e76500	3.7	68
140	Soil bacterial communities respond to climate changes in a temperate steppe. *PLoS ONE*, **2013**, 8, e78616	3.7	19
139	Convergent responses of nitrogen and phosphorus resorption to nitrogen inputs in a semiarid grassland. *Global Change Biology*, **2013**, 19, 2775-84	11.4	129
138	Soil bacterial communities respond to mowing and nutrient addition in a steppe ecosystem. *PLoS ONE*, **2013**, 8, e84210	3.7	37
137	Nitrogen and water availability interact to affect leaf stoichiometry in a semi-arid grassland. *Oecologia*, **2012**, 168, 301-10	2.9	90
136	Stoichiometric response of dominant grasses to fire and mowing in a semi-arid grassland. *Journal of Arid Environments*, **2012**, 78, 154-160	2.5	23
135	Grazing alters ecosystem functioning and C:N:P stoichiometry of grasslands along a regional precipitation gradient. *Journal of Applied Ecology*, **2012**, 49, 1204-1215	5.8	184
134	Nitrogen deposition alters soil chemical properties and bacterial communities in the Inner Mongolia grassland. *Journal of Environmental Sciences*, **2012**, 24, 1483-91	6.4	32
133	Intra-seasonal precipitation amount and pattern differentially affect primary production of two dominant species of Inner Mongolia grassland. *Acta Oecologica*, **2012**, 44, 2-10	1.7	29
132	Land-use impact on soil carbon and nitrogen sequestration in typical steppe ecosystems, Inner Mongolia. *Journal of Chinese Geography*, **2012**, 22, 859-873	3.7	25
131	Influences of land use history and short-term nitrogen addition on community structure in temperate grasslands. *Journal of Arid Environments*, **2012**, 87, 103-109	2.5	13
130	Hierarchical reproductive allocation and allometry within a perennial bunchgrass after 11 years of nutrient addition. *PLoS ONE*, **2012**, 7, e42833	3.7	12
129	Losses in carbon and nitrogen stocks in soil particle-size fractions along cultivation chronosequences in Inner Mongolian grasslands. *Journal of Environmental Quality*, **2012**, 41, 1507-16	3.4	7
128	Effects of water and nitrogen addition on species turnover in temperate grasslands in northern China. *PLoS ONE*, **2012**, 7, e39762	3.7	48
127	Labile organic C and N mineralization of soil aggregate size classes in semiarid grasslands as affected by grazing management. *Biology and Fertility of Soils*, **2012**, 48, 305-313	6.1	39
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