

Shuli Niu

List of Publications by Year in descending order

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Version: 2024-02-01

202
papers

13,345
citations

22153

59
h-index

28297

105
g-index

216
all docs

216
docs citations

216
times ranked

11849
citing authors

#	ARTICLE	IF	CITATIONS
1	Direct and indirect effects of climatic variations on the interannual variability in net ecosystem exchange across terrestrial ecosystems. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 68, 30575.	1.6	21
2	A global synthesis reveals increases in soil greenhouse gas emissions under forest thinning. <i>Science of the Total Environment</i> , 2022, 804, 150225.	8.0	17
3	Biodiversity alleviates the decrease of grassland multifunctionality under grazing disturbance: A global meta-analysis. <i>Global Ecology and Biogeography</i> , 2022, 31, 155-167.	5.8	32
4	Variations and controlling factors of soil denitrification rate. <i>Global Change Biology</i> , 2022, 28, 2133-2145.	9.5	52
5	Global evidence on the asymmetric response of gross primary productivity to interannual precipitation changes. <i>Science of the Total Environment</i> , 2022, 814, 152786.	8.0	10
6	Increased soil microbial AOB amoA and narG abundances sustain long-term positive responses of nitrification and denitrification to N deposition. <i>Soil Biology and Biochemistry</i> , 2022, 166, 108539.	8.8	21
7	Heavy thinning reduces soil organic carbon: Evidence from a 9-year thinning experiment in a pine plantation. <i>Catena</i> , 2022, 211, 106013.	5.0	15
8	Warmer and wetter climate promotes net primary production in C_4 grassland with additional enhancement by hay harvesting. <i>Ecosphere</i> , 2022, 13, .	2.2	2
9	Increased annual methane uptake driven by warmer winters in an alpine meadow. <i>Global Change Biology</i> , 2022, 28, 3246-3259.	9.5	11
10	Terrestrial carbon sinks in China and around the world and their contribution to carbon neutrality. <i>Science China Life Sciences</i> , 2022, 65, 861-895.	4.9	163
11	Ecosystem restoration and belowground multifunctionality: A network view. <i>Ecological Applications</i> , 2022, 32, e2575.	3.8	11
12	An integrated belowground trait-based understanding of nitrogen-driven plant diversity loss. <i>Global Change Biology</i> , 2022, 28, 3651-3664.	9.5	22
13	Soil enzymes in response to climate warming: Mechanisms and feedbacks. <i>Functional Ecology</i> , 2022, 36, 1378-1395.	3.6	44
14	Tree mortality in a warming world: causes, patterns, and implications. <i>Environmental Research Letters</i> , 2022, 17, 030201.	5.2	14
15	Reparameterization Required After Model Structure Changes From Carbon Only to Carbon-Nitrogen Coupling. <i>Journal of Advances in Modeling Earth Systems</i> , 2022, 14, .	3.8	2
16	Variance and main drivers of field nitrous oxide emissions: A global synthesis. <i>Journal of Cleaner Production</i> , 2022, 353, 131686.	9.3	19
17	Global patterns and drivers of soil nematodes in response to nitrogen enrichment. <i>Catena</i> , 2022, 213, 106235.	5.0	7
18	Long-term effects of forest thinning on soil respiration and its components in a pine plantation. <i>Forest Ecology and Management</i> , 2022, 513, 120189.	3.2	7

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19	Heterotrophic respiration and its proportion to total soil respiration decrease with warming but increase with clipping. <i>Catena</i> , 2022, 215, 106321.	5.0	5
20	Nitrogen enrichment alters climate sensitivity of biodiversity and productivity differentially and reverses the relationship between them in an alpine meadow. <i>Science of the Total Environment</i> , 2022, 835, 155418.	8.0	5
21	Tracking Global Patterns of Drought-Induced Productivity Loss Along Severity Gradient. <i>Journal of Geophysical Research C: Biogeosciences</i> , 2022, 127, .	3.0	6
22	Dryness controls temperature-optimized gross primary productivity across vegetation types. <i>Agricultural and Forest Meteorology</i> , 2022, 323, 109073.	4.8	3
23	Global soil-derived ammonia emissions from agricultural nitrogen fertilizer application: A refinement based on regional and crop-specific emission factors. <i>Global Change Biology</i> , 2021, 27, 855-867.	9.5	96
24	The Global-DEP conceptual framework – research on dryland ecosystems to promote sustainability. <i>Current Opinion in Environmental Sustainability</i> , 2021, 48, 17-28.	6.3	52
25	Toward a sustainable grazing management based on biodiversity and ecosystem multifunctionality in drylands. <i>Current Opinion in Environmental Sustainability</i> , 2021, 48, 36-43.	6.3	29
26	Effects of warming and clipping on CH ₄ and N ₂ O fluxes in an alpine meadow. <i>Agricultural and Forest Meteorology</i> , 2021, 297, 108278.	4.8	19
27	Alleviation of light limitation increases plant diversity and ecosystem carbon sequestration under nitrogen enrichment in an alpine meadow. <i>Agricultural and Forest Meteorology</i> , 2021, 298-299, 108269.	4.8	5
28	Common Species Stability and Species Asynchrony Rather than Richness Determine Ecosystem Stability Under Nitrogen Enrichment. <i>Ecosystems</i> , 2021, 24, 686-698.	3.4	32
29	Clipping increases ecosystem carbon sequestration and its sensitivity to precipitation change in an alpine meadow. <i>Plant and Soil</i> , 2021, 458, 165-174.	3.7	6
30	Experimental warming shifts coupling of carbon and nitrogen cycles in an alpine meadow. <i>Journal of Plant Ecology</i> , 2021, 14, 541-554.	2.3	11
31	Shifting community composition determines the biodiversity-productivity relationship under increasing precipitation and N deposition. <i>Journal of Vegetation Science</i> , 2021, 32, e12998.	2.2	7
32	Vital roles of soil microbes in driving terrestrial nitrogen immobilization. <i>Global Change Biology</i> , 2021, 27, 1848-1858.	9.5	50
33	Fine-root functional trait responses to experimental warming: a global meta-analysis. <i>New Phytologist</i> , 2021, 230, 1856-1867.	7.3	59
34	Increased CO ₂ emissions surpass reductions of non-CO ₂ emissions more under higher experimental warming in an alpine meadow. <i>Science of the Total Environment</i> , 2021, 769, 144559.	8.0	18
35	Different responses of soil respiration and its components to nitrogen and phosphorus addition in a subtropical secondary forest. <i>Forest Ecosystems</i> , 2021, 8, .	3.1	13
36	Discrepant responses between evapotranspiration- and transpiration-based ecosystem water use efficiency to interannual precipitation fluctuations. <i>Agricultural and Forest Meteorology</i> , 2021, 303, 108385.	4.8	21

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37	Relationships Between Leaf Carbon and Macronutrients Across Woody Species and Forest Ecosystems Highlight How Carbon Is Allocated to Leaf Structural Function. <i>Frontiers in Plant Science</i> , 2021, 12, 674932.	3.6	22
38	Contrasting nutrient-mediated responses between surface and deep fine root biomass to N addition in poplar plantations on the east coast of China. <i>Forest Ecology and Management</i> , 2021, 490, 119152.	3.2	9
39	Precipitation manipulation and terrestrial carbon cycling: The roles of treatment magnitude, experimental duration and local climate. <i>Global Ecology and Biogeography</i> , 2021, 30, 1909-1921.	5.8	20
40	FLUXNET-CH<sub>4</sub>: a global, multi-ecosystem dataset and analysis of methane seasonality from freshwater wetlands. <i>Earth System Science Data</i> , 2021, 13, 3607-3689.	9.9	79
41	Diversity of plant and soil microbes mediates the response of ecosystem multifunctionality to grazing disturbance. <i>Science of the Total Environment</i> , 2021, 776, 145730.	8.0	51
42	Varying soil respiration under long-term warming and clipping due to shifting carbon allocation toward below-ground. <i>Agricultural and Forest Meteorology</i> , 2021, 304-305, 108408.	4.8	10
43	Divergent responses of primary production to increasing precipitation variability in global drylands. <i>Global Change Biology</i> , 2021, 27, 5225-5237.	9.5	31
44	Moving toward a new era of ecosystem science. <i>Geography and Sustainability</i> , 2021, 2, 151-162.	4.3	15
45	Forest soil acidification consistently reduces litter decomposition irrespective of nutrient availability and litter type. <i>Functional Ecology</i> , 2021, 35, 2753-2762.	3.6	19
46	Microaggregates regulated by edaphic properties determine the soil carbon stock in Tibetan alpine grasslands. <i>Catena</i> , 2021, 206, 105570.	5.0	19
47	High<sup>level</sup> rather than low<sup>level</sup> warming destabilizes plant community biomass production. <i>Journal of Ecology</i> , 2021, 109, 1607-1617.	4.0	16
48	Global Soil Gross Nitrogen Transformation Under Increasing Nitrogen Deposition. <i>Global Biogeochemical Cycles</i> , 2021, 35, .	4.9	25
49	Nitrogen use efficiency of terrestrial plants in China: geographic patterns, evolution, and determinants. <i>Ecological Processes</i> , 2021, 10, .	3.9	7
50	Past climate conditions predict the influence of nitrogen enrichment on the temperature sensitivity of soil respiration. <i>Communications Earth & Environment</i> , 2021, 2, .	6.8	22
51	Dynamics of soil water extractable organic carbon and inorganic nitrogen and their environmental controls in mountain forest and meadow ecosystems in China. <i>Catena</i> , 2020, 187, 104338.	5.0	7
52	Global meta-analysis on the responses of soil extracellular enzyme activities to warming. <i>Science of the Total Environment</i> , 2020, 705, 135992.	8.0	79
53	Nitrogen deposition differentially affects soil gross nitrogen transformations in organic and mineral horizons. <i>Earth-Science Reviews</i> , 2020, 201, 103033.	9.1	44
54	Gene-informed decomposition model predicts lower soil carbon loss due to persistent microbial adaptation to warming. <i>Nature Communications</i> , 2020, 11, 4897.	12.8	67

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55	Shifting biomass allocation determines community water use efficiency under climate warming. <i>Environmental Research Letters</i> , 2020, 15, 094041.	5.2	15
56	Diversity-decomposition relationships in forests worldwide. <i>ELife</i> , 2020, 9, .	6.0	45
57	Drought shrinks terrestrial upland resilience to climate change. <i>Global Ecology and Biogeography</i> , 2020, 29, 1840-1851.	5.8	6
58	Integrative ecology in the era of big data—From observation to prediction. <i>Science China Earth Sciences</i> , 2020, 63, 1429-1442.	5.2	14
59	Research challenges and opportunities for using big data in global change biology. <i>Global Change Biology</i> , 2020, 26, 6040-6061.	9.5	33
60	Global variations and controlling factors of soil nitrogen turnover rate. <i>Earth-Science Reviews</i> , 2020, 207, 103250.	9.1	35
61	Hysteretic relationship between plant productivity and methane uptake in an alpine meadow. <i>Agricultural and Forest Meteorology</i> , 2020, 288-289, 107982.	4.8	4
62	Plant Trait Networks: Improved Resolution of the Dimensionality of Adaptation. <i>Trends in Ecology and Evolution</i> , 2020, 35, 908-918.	8.7	107
63	Light Competition and Biodiversity Loss Cause Saturation Response of Aboveground Net Primary Productivity to Nitrogen Enrichment. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2020, 125, e2019JG005556.	3.0	18
64	The stoichiometry of soil microbial biomass determines metabolic quotient of nitrogen mineralization. <i>Environmental Research Letters</i> , 2020, 15, 034005.	5.2	21
65	Plants with lengthened phenophases increase their dominance under warming in an alpine plant community. <i>Science of the Total Environment</i> , 2020, 728, 138891.	8.0	13
66	Global patterns and controlling factors of soil nitrification rate. <i>Global Change Biology</i> , 2020, 26, 4147-4157.	9.5	149
67	Carbon management practices regulate soil bacterial communities in response to nitrogen addition in a pine forest. <i>Plant and Soil</i> , 2020, 452, 137-151.	3.7	16
68	Mature forest shows little increase in carbon uptake in a CO ₂ -enriched atmosphere. <i>Nature</i> , 2020, 580, 191-192.	27.8	10
69	Spatial variations in terrestrial net ecosystem productivity and its local indicators. <i>Biogeosciences</i> , 2020, 17, 6237-6246.	3.3	3
70	Environmental variables better explain changes in potential nitrification and denitrification activities than microbial properties in fertilized forest soils. <i>Science of the Total Environment</i> , 2019, 647, 653-662.	8.0	50
71	A meta-analysis of 1,119 manipulative experiments on terrestrial carbon-cycling responses to global change. <i>Nature Ecology and Evolution</i> , 2019, 3, 1309-1320.	7.8	304
72	Nitrogen addition reduces soil respiration but increases the relative contribution of heterotrophic component in an alpine meadow. <i>Functional Ecology</i> , 2019, 33, 2239-2253.	3.6	54

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73	Water scaling of ecosystem carbon cycle feedback to climate warming. <i>Science Advances</i> , 2019, 5, eaav1131.	10.3	118
74	Different Responses and Links of N:P Ratio Among Ecosystem Components Under Nutrient Addition in a Temperate Forest. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2019, 124, 3158-3167.	3.0	10
75	Vegetation type controls root turnover in global grasslands. <i>Global Ecology and Biogeography</i> , 2019, 28, 442-455.	5.8	46
76	When does extreme drought elicit extreme ecological responses?. <i>Journal of Ecology</i> , 2019, 107, 2553-2563.	4.0	45
77	Soil and climate determine differential responses of soil respiration to nitrogen and acid deposition along a forest transect. <i>European Journal of Soil Biology</i> , 2019, 93, 103097.	3.2	16
78	Experimental warming amplified opposite impacts of drought vs. wet extremes on ecosystem carbon cycle in a tallgrass prairie. <i>Agricultural and Forest Meteorology</i> , 2019, 276-277, 107635.	4.8	7
79	Global soil acidification impacts on belowground processes. <i>Environmental Research Letters</i> , 2019, 14, 074003.	5.2	118
80	Diel and Seasonal Dynamics of Ecosystemâ€Scale Methane Flux and Their Determinants in an Alpine Meadow. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2019, 124, 1731-1745.	3.0	15
81	Maximum carbon uptake rate dominates the interannual variability of global net ecosystem exchange. <i>Global Change Biology</i> , 2019, 25, 3381-3394.	9.5	62
82	Vegetation Functional Properties Determine Uncertainty of Simulated Ecosystem Productivity: A Traceability Analysis in the East Asian Monsoon Region. <i>Global Biogeochemical Cycles</i> , 2019, 33, 668-689.	4.9	38
83	Air temperature optima of vegetation productivity across global biomes. <i>Nature Ecology and Evolution</i> , 2019, 3, 772-779.	7.8	316
84	Differential responses of ecosystem carbon flux components to experimental precipitation gradient in an alpine meadow. <i>Functional Ecology</i> , 2019, 33, 889-900.	3.6	43
85	Global changes alter plant multiâ€element stoichiometric coupling. <i>New Phytologist</i> , 2019, 221, 807-817.	7.3	110
86	Different strategies for regulating free-living N ₂ fixation in nutrient-amended subtropical and temperate forest soils. <i>Applied Soil Ecology</i> , 2019, 136, 21-29.	4.3	27
87	Microbes drive global soil nitrogen mineralization and availability. <i>Global Change Biology</i> , 2019, 25, 1078-1088.	9.5	248
88	Heavy grazing reduces grassland soil greenhouse gas fluxes: A global meta-analysis. <i>Science of the Total Environment</i> , 2019, 654, 1218-1224.	8.0	57
89	Ecosystem Traits Linking Functional Traits to Macroecology. <i>Trends in Ecology and Evolution</i> , 2019, 34, 200-210.	8.7	140
90	Responses of soil enzymatic activities to transgenic <i>Bacillus thuringiensis</i> (Bt) crops - A global meta-analysis. <i>Science of the Total Environment</i> , 2019, 651, 1830-1838.	8.0	21

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91	Microbes drive global soil nitrogen mineralization and availability. , 2019, 25, 1078.		1
92	Differential mechanisms underlying responses of soil bacterial and fungal communities to nitrogen and phosphorus inputs in a subtropical forest. PeerJ, 2019, 7, e7631.	2.0	17
93	Patterns and affecting factors of nitrogen use efficiency of plant leaves and roots in Nei Mongol and Qinghai-Xizang Plateau grasslands. Chinese Journal of Plant Ecology, 2019, 43, 566-575.	0.6	3
94	Crowther et al. reply. Nature, 2018, 554, E7-E8.	27.8	14
95	Carbon storage in China's terrestrial ecosystems: A synthesis. Scientific Reports, 2018, 8, 2806.	3.3	86
96	Transpiration Dominates Ecosystem Water Use Efficiency in Response to Warming in an Alpine Meadow. Journal of Geophysical Research G: Biogeosciences, 2018, 123, 453-462.	3.0	44
97	Plant functional groups regulate soil respiration responses to nitrogen addition and mowing over a decade. Functional Ecology, 2018, 32, 1117-1127.	3.6	52
98	Functional traits along a transect. Functional Ecology, 2018, 32, 4-9.	3.6	17
99	Divergent responses of ecosystem respiration components to livestock exclusion on the Qinghai Tibetan Plateau. Land Degradation and Development, 2018, 29, 1726-1737.	3.9	19
100	Divergent biomass partitioning to aboveground and belowground across forests in China. Journal of Plant Ecology, 2018, 11, 484-492.	2.3	13
101	Contrasting responses of phosphatase kinetic parameters to nitrogen and phosphorus additions in forest soils. Functional Ecology, 2018, 32, 106-116.	3.6	44
102	Size-dependent nutrient limitation of tree growth from subtropical to cold temperate forests. Functional Ecology, 2018, 32, 95-105.	3.6	52
103	Soil acid cations induced reduction in soil respiration under nitrogen enrichment and soil acidification. Science of the Total Environment, 2018, 615, 1535-1546.	8.0	70
104	Soil gross N ammonification and nitrification from tropical to temperate forests in eastern China. Functional Ecology, 2018, 32, 83-94.	3.6	38
105	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
106	The surface-atmosphere exchange of carbon dioxide in tropical rainforests: Sensitivity to environmental drivers and flux measurement methodology. Agricultural and Forest Meteorology, 2018, 263, 292-307.	4.8	29
107	Widespread asymmetric response of soil heterotrophic respiration to warming and cooling. Science of the Total Environment, 2018, 635, 423-431.	8.0	9
108	Ecosystem Carbon Use Efficiency Is Insensitive to Nitrogen Addition in an Alpine Meadow. Journal of Geophysical Research G: Biogeosciences, 2018, 123, 2388-2398.	3.0	12

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109	Different responses of soil organic carbon fractions to additions of nitrogen. <i>European Journal of Soil Science</i> , 2018, 69, 1098-1104.	3.9	29
110	Differential responses of carbon-degrading enzyme activities to warming: Implications for soil respiration. <i>Global Change Biology</i> , 2018, 24, 4816-4826.	9.5	131
111	Limits to growth of forest biomass carbon sink under climate change. <i>Nature Communications</i> , 2018, 9, 2709.	12.8	74
112	Climatic role of terrestrial ecosystem under elevated CO_2 : a bottom-up greenhouse gases budget. <i>Ecology Letters</i> , 2018, 21, 1108-1118.	6.4	81
113	Cropland abandonment enhances soil inorganic nitrogen retention and carbon stock in China: A meta-analysis. <i>Land Degradation and Development</i> , 2018, 29, 3898-3906.	3.9	28
114	Soil and vegetation carbon turnover times from tropical to boreal forests. <i>Functional Ecology</i> , 2018, 32, 71-82.	3.6	68
115	A global synthesis of the rate and temperature sensitivity of soil nitrogen mineralization: latitudinal patterns and mechanisms. <i>Global Change Biology</i> , 2017, 23, 455-464.	9.5	151
116	Regional variation in the temperature sensitivity of soil organic matter decomposition in China's forests and grasslands. <i>Global Change Biology</i> , 2017, 23, 3393-3402.	9.5	101
117	Long term trend and interannual variability of land carbon uptake—the attribution and processes. <i>Environmental Research Letters</i> , 2017, 12, 014018.	5.2	34
118	Nonlinear responses of land ecosystems to variation in precipitation. <i>New Phytologist</i> , 2017, 214, 5-7.	7.3	71
119	Climate controls over the net carbon uptake period and amplitude of net ecosystem production in temperate and boreal ecosystems. <i>Agricultural and Forest Meteorology</i> , 2017, 243, 9-18.	4.8	64
120	Interannual variability of ecosystem carbon exchange: From observation to prediction. <i>Global Ecology and Biogeography</i> , 2017, 26, 1225-1237.	5.8	68
121	Recovery time and state change of terrestrial carbon cycle after disturbance. <i>Environmental Research Letters</i> , 2017, 12, 104004.	5.2	43
122	Response of Water Use Efficiency to Global Environmental Change Based on Output From Terrestrial Biosphere Models. <i>Global Biogeochemical Cycles</i> , 2017, 31, 1639-1655.	4.9	63
123	Net primary productivity and its partitioning in response to precipitation gradient in an alpine meadow. <i>Scientific Reports</i> , 2017, 7, 15193.	3.3	29
124	Global Change and Terrestrial Ecosystems. <i>Springer Geography</i> , 2017, , 205-232.	0.4	0
125	Costimulation of soil glycosidase activity and soil respiration by nitrogen addition. <i>Global Change Biology</i> , 2017, 23, 1328-1337.	9.5	154
126	Warming Effects on Ecosystem Carbon Fluxes Are Modulated by Plant Functional Types. <i>Ecosystems</i> , 2017, 20, 515-526.	3.4	54

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127	Effects of warming and increased precipitation on net ecosystem productivity: A long-term manipulative experiment in a semiarid grassland. <i>Agricultural and Forest Meteorology</i> , 2017, 232, 359-366.	4.8	65
128	Transient dynamics of terrestrial carbon storage: mathematical foundation and its applications. <i>Biogeosciences</i> , 2017, 14, 145-161.	3.3	91
129	Spatial analysis of growing season peak control over gross primary production in northern ecosystems using modis-GPP dataset. , 2017, , .		0
130	Initial shifts in nitrogen impact on ecosystem carbon fluxes in an alpine meadow: patterns and causes. <i>Biogeosciences</i> , 2017, 14, 3947-3956.	3.3	29
131	é™æ°æ¼±æ”1â~èfCE™-ä,âœÿâ£â¼â;â~âCE-çš,,ä»è â½±â“â»ç”âââ...¶è°fæŽšè;†ç”«. <i>Chinese Journal of Plant Ecology</i> , 2017, 41		
132	Nonlinear responses of ecosystem carbon fluxes and water use efficiency to nitrogen addition in Inner Mongolia grassland. <i>Functional Ecology</i> , 2016, 30, 490-499.	3.6	75
133	Unchanged carbon balance driven by equivalent responses of production and respiration to climate change in a mixed grass prairie. <i>Global Change Biology</i> , 2016, 22, 1857-1866.	9.5	41
134	Aggravated phosphorus limitation on biomass production under increasing nitrogen loading: a meta-analysis. <i>Global Change Biology</i> , 2016, 22, 934-943.	9.5	359
135	Shifting Impacts of Climate Change. <i>Advances in Ecological Research</i> , 2016, 55, 437-473.	2.7	36
136	Quantifying global soil carbon losses in response to warming. <i>Nature</i> , 2016, 540, 104-108.	27.8	879
137	Global patterns and substrate-based mechanisms of the terrestrial nitrogen cycle. <i>Ecology Letters</i> , 2016, 19, 697-709.	6.4	192
138	A synthesis of the effect of grazing exclusion on carbon dynamics in grasslands in China. <i>Global Change Biology</i> , 2016, 22, 1385-1393.	9.5	157
139	Precipitation regulates plant gas exchange and its long-term response to climate change in a temperate grassland. <i>Journal of Plant Ecology</i> , 2016, 9, 531-541.	2.3	62
140	Differential responses of ecosystem respiration components to experimental warming in a meadow grassland on the Tibetan Plateau. <i>Agricultural and Forest Meteorology</i> , 2016, 220, 21-29.	4.8	117
141	Global evidence on nitrogen saturation of terrestrial ecosystem net primary productivity. <i>Environmental Research Letters</i> , 2016, 11, 024012.	5.2	88
142	Light-intensity grazing improves alpine meadow productivity and adaption to climate change on the Tibetan Plateau. <i>Scientific Reports</i> , 2015, 5, 15949.	3.3	50
143	Joint control of terrestrial gross primary productivity by plant phenology and physiology. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 2788-2793.	7.1	265
144	Biotic and climatic controls on interannual variability in carbon fluxes across terrestrial ecosystems. <i>Agricultural and Forest Meteorology</i> , 2015, 205, 11-22.	4.8	47

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145	A global analysis of soil acidification caused by nitrogen addition. <i>Environmental Research Letters</i> , 2015, 10, 024019.	5.2	674
146	Elevated atmospheric carbon dioxide concentration stimulates soil microbial activity and impacts water-extractable organic carbon in an agricultural soil. <i>Biogeochemistry</i> , 2015, 122, 253-267.	3.5	10
147	What have we learned from global change manipulative experiments in China? A meta-analysis. <i>Scientific Reports</i> , 2015, 5, 12344.	3.3	35
148	Covariation between gross primary production and ecosystem respiration across space and the underlying mechanisms: A global synthesis. <i>Agricultural and Forest Meteorology</i> , 2015, 203, 180-190.	4.8	56
149	Divergent apparent temperature sensitivity of terrestrial ecosystem respiration. <i>Journal of Plant Ecology</i> , 2014, 7, 419-428.	2.3	16
150	Direct N ₂ O emission from agricultural soils in Poland between 1960 and 2009. <i>Regional Environmental Change</i> , 2014, 14, 1073-1082.	2.9	1
151	Plant growth and mortality under climatic extremes: An overview. <i>Environmental and Experimental Botany</i> , 2014, 98, 13-19.	4.2	157
152	Soil carbon fractions in grasslands respond differently to various levels of nitrogen enrichments. <i>Plant and Soil</i> , 2014, 384, 401-412.	3.7	48
153	The role of data assimilation in predictive ecology. <i>Ecosphere</i> , 2014, 5, 1-16.	2.2	65
154	Effects of Grazing Regimes on Plant Traits and Soil Nutrients in an Alpine Steppe, Northern Tibetan Plateau. <i>PLoS ONE</i> , 2014, 9, e108821.	2.5	49
155	The effect of warming on grassland evapotranspiration partitioning using laser-based isotope monitoring techniques. <i>Geochimica Et Cosmochimica Acta</i> , 2013, 111, 28-38.	3.9	67
156	Net primary productivity and rain-use efficiency as affected by warming, altered precipitation, and clipping in a mixed-grass prairie. <i>Global Change Biology</i> , 2013, 19, 2753-2764.	9.5	148
157	Ecosystem Carbon Fluxes in Response to Warming and Clipping in a Tallgrass Prairie. <i>Ecosystems</i> , 2013, 16, 948-961.	3.4	73
158	Temperature Sensitivity of Canopy Photosynthesis Phenology in Northern Ecosystems. , 2013, , 503-519.		6
159	Thermal optimality of net ecosystem exchange of carbon dioxide and underlying mechanisms. <i>New Phytologist</i> , 2012, 194, 775-783.	7.3	111
160	Global patterns of the dynamics of soil carbon and nitrogen stocks following afforestation: a meta-analysis. <i>New Phytologist</i> , 2012, 195, 172-181.	7.3	460
161	Long-term experimental warming decreased labile soil organic carbon in a tallgrass prairie. <i>Plant and Soil</i> , 2012, 361, 307-315.	3.7	36
162	A framework for benchmarking land models. <i>Biogeosciences</i> , 2012, 9, 3857-3874.	3.3	267

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163	Interannual variability in responses of belowground net primary productivity (<scp>NPP</scp>) and <scp>NPP</scp> partitioning to long-term warming and clipping in a tallgrass prairie. <i>Global Change Biology</i> , 2012, 18, 1648-1656.	9.5	79
164	Light and Heavy Fractions of Soil Organic Matter in Response to Climate Warming and Increased Precipitation in a Temperate Steppe. <i>PLoS ONE</i> , 2012, 7, e33217.	2.5	70
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