

Lingli Liu

List of Publications by Year in descending order

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Version: 2024-02-01

88
papers

8,504
citations

87888

38
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49909

87
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92
all docs

92
docs citations

92
times ranked

9171
citing authors

#	ARTICLE	IF	CITATIONS
1	Deepened snow cover mitigates soil carbon loss from intensive land use in a semi-arid temperate grassland. <i>Functional Ecology</i> , 2022, 36, 635-645.	3.6	3
2	Analysis of UAV lidar information loss and its influence on the estimation accuracy of structural and functional traits in a meadow steppe. <i>Ecological Indicators</i> , 2022, 135, 108515.	6.3	23
3	The changes in plant and soil C pools and their C:N stoichiometry control grassland N retention under elevated N inputs. <i>Ecological Applications</i> , 2022, 32, e2517.	3.8	6
4	Global patterns in mycorrhizal mediation of soil carbon storage, stability, and nitrogen demand: A meta-analysis. <i>Soil Biology and Biochemistry</i> , 2022, 166, 108578.	8.8	17
5	Dynamic biotic controls of leaf thermoregulation across the diel timescale. <i>Agricultural and Forest Meteorology</i> , 2022, 315, 108827.	4.8	7
6	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
7	Deepened snow loosens temporal coupling between plant and microbial N utilization and induces ecosystem N losses. <i>Global Change Biology</i> , 2022, 28, 4655-4667.	9.5	7
8	Human-Climate Coupled Changes in Vegetation Community Complexity of China Since 1980s. <i>Earth's Future</i> , 2022, 10, .	6.3	4
9	Partitioning of beta-diversity reveals distinct assembly mechanisms of plant and soil microbial communities in response to nitrogen enrichment. <i>Ecology and Evolution</i> , 2022, 12, .	1.9	4
10	Land-use change reduces soil nitrogen retention of both particulate and mineral-associated organic matter in a temperate grassland. <i>Catena</i> , 2022, 216, 106432.	5.0	2
11	Canopy processing of N deposition increases short-term leaf N uptake and photosynthesis, but not long-term N retention for aspen seedlings. <i>New Phytologist</i> , 2021, 229, 2601-2610.	7.3	30
12	Deepened snow cover alters biotic and abiotic controls on nitrogen loss during non-growing season in temperate grasslands. <i>Biology and Fertility of Soils</i> , 2021, 57, 165-177.	4.3	10
13	Field evidence reveals conservative water use of poplar saplings under high aerosol conditions. <i>Journal of Ecology</i> , 2021, 109, 2190-2202.	4.0	8
14	Drought and Salinization Stress Induced by Stand Development Alters Mineral Element Cycling in a Larch Plantation. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2021, 126, e2020JG005906.	3.0	4
15	Intermediate Aerosol Loading Enhances Photosynthetic Activity of Croplands. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL091893.	4.0	19
16	Long-term nitrogen input alters plant and soil bacterial, but not fungal beta diversity in a semiarid grassland. <i>Global Change Biology</i> , 2021, 27, 3939-3950.	9.5	64
17	Spectroscopy outperforms leaf trait relationships for predicting photosynthetic capacity across different forest types. <i>New Phytologist</i> , 2021, 232, 134-147.	7.3	19
18	The coordination between leaf and fine root litter decomposition and the difference in their controlling factors. <i>Global Ecology and Biogeography</i> , 2021, 30, 2286-2296.	5.8	54

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19	Intraspecific trait variation drives grassland species richness and productivity under changing precipitation. <i>Ecosphere</i> , 2021, 12, e03707.	2.2	3
20	The significance of tree-tree interactions for forest ecosystem functioning. <i>Basic and Applied Ecology</i> , 2021, 55, 33-52.	2.7	38
21	Exploring Seasonal and Circadian Rhythms in Structural Traits of Field Maize from LiDAR Time Series. <i>Plant Phenomics</i> , 2021, 2021, 9895241.	5.9	10
22	Moving toward a new era of ecosystem science. <i>Geography and Sustainability</i> , 2021, 2, 151-162.	4.3	15
23	Soil fertility underlies the positive relationship between island area and litter decomposition in a fragmented subtropical forest landscape. <i>Catena</i> , 2021, 204, 105414.	5.0	2
24	Plant carbon inputs through shoot, root, and mycorrhizal pathways affect soil organic carbon turnover differently. <i>Soil Biology and Biochemistry</i> , 2021, 160, 108322.	8.8	51
25	Divergent contributions of living roots to turnover of different soil organic carbon pools and their links to plant traits. <i>Functional Ecology</i> , 2021, 35, 2821-2830.	3.6	9
26	Nonlinear responses of the V and K of hydrolytic and polyphenol oxidative enzymes to nitrogen enrichment. <i>Soil Biology and Biochemistry</i> , 2020, 141, 107656.	8.8	14
27	Patterns and determinants of soil microbial residues from tropical to boreal forests. <i>Soil Biology and Biochemistry</i> , 2020, 151, 108059.	8.8	61
28	Critical transition of soil bacterial diversity and composition triggered by nitrogen enrichment. <i>Ecology</i> , 2020, 101, e03053.	3.2	98
29	Deepened winter snow cover enhances net ecosystem exchange and stabilizes plant community composition and productivity in a temperate grassland. <i>Global Change Biology</i> , 2020, 26, 3015-3027.	9.5	40
30	Large-scale Geographical Variations and Climatic Controls on Crown Architecture Traits. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2020, 125, e2019JG005306.	3.0	13
31	Long-term deepened snow cover alters litter layer turnover rate in temperate steppes. <i>Functional Ecology</i> , 2020, 34, 1113-1122.	3.6	8
32	Interactive effects of air pollutants and atmospheric moisture stress on aspen growth and photosynthesis along an urban-rural gradient. <i>Environmental Pollution</i> , 2020, 260, 114076.	7.5	12
33	Allocation and turnover of rhizodeposited carbon in different soil microbial groups. <i>Soil Biology and Biochemistry</i> , 2020, 150, 107973.	8.8	21
34	Elevated CO ₂ decreases soil carbon stability in Tibetan Plateau. <i>Environmental Research Letters</i> , 2020, 15, 114002.	5.2	7
35	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
36	Upward trend of nitrogen deposition curbed by the dual force of environmental regulation and social-economic structural change in China. <i>Science Bulletin</i> , 2019, 64, 1300-1302.	9.0	3

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37	Soil organic carbon and nutrient losses resulted from spring dust emissions in Northern China. <i>Atmospheric Environment</i> , 2019, 213, 585-596.	4.1	28
38	Differential mechanisms drive changes in soil C pools under N and P enrichment in a subalpine spruce plantation. <i>Geoderma</i> , 2019, 340, 213-223.	5.1	9
39	Plant phenology and global climate change: Current progresses and challenges. <i>Global Change Biology</i> , 2019, 25, 1922-1940.	9.5	944
40	The decline in plant biodiversity slows down soil carbon turnover under increasing nitrogen deposition in a temperate steppe. <i>Functional Ecology</i> , 2019, 33, 1362-1372.	3.6	16
41	Evaluating maize phenotype dynamics under drought stress using terrestrial lidar. <i>Plant Methods</i> , 2019, 15, 11.	4.3	84
42	Initial Soil Organic Matter Content Influences the Storage and Turnover of Litter, Root and Soil Carbon in Grasslands. <i>Ecosystems</i> , 2018, 21, 1377-1389.	3.4	21
43	Shifting plant species composition in response to climate change stabilizes grassland primary production. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 4051-4056.	7.1	431
44	Climate change, human impacts, and carbon sequestration in China. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 4015-4020.	7.1	419
45	Synthetic nitrogen fertilizers alter the soil chemistry, production and quality of tea. A meta-analysis. <i>Agronomy for Sustainable Development</i> , 2018, 38, 1.	5.3	40
46	Afforestation neutralizes soil pH. <i>Nature Communications</i> , 2018, 9, 520.	12.8	140
47	The carbon sequestration potential of China's grasslands. <i>Ecosphere</i> , 2018, 9, e02452.	2.2	22
48	Ecosystem scale trade-off in nitrogen acquisition pathways. <i>Nature Ecology and Evolution</i> , 2018, 2, 1724-1734.	7.8	66
49	Atmospheric CO ₂ Enrichment and Reactive Nitrogen Inputs Interactively Stimulate Soil Cation Losses and Acidification. <i>Environmental Science & Technology</i> , 2018, 52, 6895-6902.	10.0	15
50	Wind erosion enhanced by land use changes significantly reduces ecosystem carbon storage and carbon sequestration potentials in semiarid grasslands. <i>Land Degradation and Development</i> , 2018, 29, 3469-3478.	3.9	34
51	Microbial carbon use efficiency and priming effect regulate soil carbon storage under nitrogen deposition by slowing soil organic matter decomposition. <i>Geoderma</i> , 2018, 332, 37-44.	5.1	99
52	Field evidences for the positive effects of aerosols on tree growth. <i>Global Change Biology</i> , 2018, 24, 4983-4992.	9.5	64
53	The effects of increased snow depth on plant and microbial biomass and community composition along a precipitation gradient in temperate steppes. <i>Soil Biology and Biochemistry</i> , 2018, 124, 134-141.	8.8	27
54	High nighttime humidity and dissolved organic carbon content support rapid decomposition of standing litter in a semi-arid landscape. <i>Functional Ecology</i> , 2017, 31, 1659-1668.	3.6	51

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55	Temporal dynamics of ultraviolet radiation impacts on litter decomposition in a semi-arid ecosystem. <i>Plant and Soil</i> , 2017, 419, 71-81.	3.7	27
56	Global patterns and substrate-based mechanisms of the terrestrial nitrogen cycle. <i>Ecology Letters</i> , 2016, 19, 697-709.	6.4	192
57	Increased phosphate uptake but not resorption alleviates phosphorus deficiency induced by nitrogen deposition in temperate <i>Larix principis-rupprechtii</i> plantations. <i>New Phytologist</i> , 2016, 212, 1019-1029.	7.3	106
58	Key ecological responses to nitrogen are altered by climate change. <i>Nature Climate Change</i> , 2016, 6, 836-843.	18.8	261
59	A cross-biome synthesis of soil respiration and its determinants under simulated precipitation changes. <i>Global Change Biology</i> , 2016, 22, 1394-1405.	9.5	211
60	Precipitation regime drives warming responses of microbial biomass and activity in temperate steppe soils. <i>Biology and Fertility of Soils</i> , 2016, 52, 469-477.	4.3	28
61	Age-Related Modulation of the Nitrogen Resorption Efficiency Response to Growth Requirements and Soil Nitrogen Availability in a Temperate Pine Plantation. <i>Ecosystems</i> , 2016, 19, 698-709.	3.4	71
62	Asynchronous responses of soil carbon dioxide, nitrous oxide emissions and net nitrogen mineralization to enhanced fine root input. <i>Soil Biology and Biochemistry</i> , 2016, 92, 67-78.	8.8	21
63	Response to Smith's comment. <i>Journal of Plant Ecology</i> , 2015, 8, 335-335.	2.3	1
64	How inhibiting nitrification affects nitrogen cycle and reduces environmental impacts of anthropogenic nitrogen input. <i>Global Change Biology</i> , 2015, 21, 1249-1257.	9.5	268
65	The interaction between abiotic photodegradation and microbial decomposition under ultraviolet radiation. <i>Global Change Biology</i> , 2015, 21, 2095-2104.	9.5	89
66	Effects and Empirical Critical Loads of Nitrogen for Ecoregions of the United States. <i>Environmental Pollution</i> , 2015, , 129-169.	0.4	3
67	Different responses of soil respiration and its components to nitrogen addition among biomes: a meta-analysis. <i>Global Change Biology</i> , 2014, 20, 2332-2343.	9.5	266
68	Soil respiration under climate warming: differential response of heterotrophic and autotrophic respiration. <i>Global Change Biology</i> , 2014, 20, 3229-3237.	9.5	239
69	Evidence for a weakening relationship between interannual temperature variability and northern vegetation activity. <i>Nature Communications</i> , 2014, 5, 5018.	12.8	414
70	The effect of nitrogen addition on soil respiration from a nitrogen-limited forest soil. <i>Agricultural and Forest Meteorology</i> , 2014, 197, 103-110.	4.8	85
71	Decoupling of soil microbes and plants with increasing anthropogenic nitrogen inputs in a temperate steppe. <i>Soil Biology and Biochemistry</i> , 2014, 72, 116-122.	8.8	71
72	Crystal structure of <i>Arabidopsis</i> glutamyl-tRNA reductase in complex with its stimulator protein. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 6630-6635.	7.1	58

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73	Tree and Forest Responses to Interacting Elevated Atmospheric CO ₂ and Tropospheric O ₃ . <i>Developments in Environmental Science</i> , 2013, , 179-208.	0.5	17
74	Four New Indole Alkaloids from <i>Neolamarckia cadamba</i> . <i>Chinese Journal of Chemistry</i> , 2013, 31, 79-83.	4.9	10
75	Global patterns of the responses of leaf-level photosynthesis and respiration in terrestrial plants to experimental warming. <i>Journal of Plant Ecology</i> , 2013, 6, 437-447.	2.3	116
76	Variability of above-ground litter inputs alters soil physicochemical and biological processes: a meta-analysis of litterfall-manipulation experiments. <i>Biogeosciences</i> , 2013, 10, 7423-7433.	3.3	155
77	Climate change impacts of US reactive nitrogen. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 7671-7675.	7.1	126
78	Ecological effects of nitrogen and sulfur air pollution in the US: what do we know?. <i>Frontiers in Ecology and the Environment</i> , 2012, 10, 365-372.	4.0	157
79	Increased phosphorus availability mitigates the inhibition of nitrogen deposition on CH ₄ uptake in an old-growth tropical forest, southern China. <i>Biogeosciences</i> , 2011, 8, 2805-2813.	3.3	60
80	Effects of nitrogen deposition and empirical nitrogen critical loads for ecoregions of the United States. , 2011, 21, 3049-3082.		373
81	A global perspective on belowground carbon dynamics under nitrogen enrichment. <i>Ecology Letters</i> , 2010, 13, 819-828.	6.4	600
82	The Influence of Chemistry, Production and Community Composition on Leaf Litter Decomposition Under Elevated Atmospheric CO ₂ and Tropospheric O ₃ in a Northern Hardwood Ecosystem. <i>Ecosystems</i> , 2009, 12, 401-416.	3.4	35
83	Enhanced litter input rather than changes in litter chemistry drive soil carbon and nitrogen cycles under elevated CO ₂ : a microcosm study. <i>Global Change Biology</i> , 2009, 15, 441-453.	9.5	80
84	A review of nitrogen enrichment effects on three biogenic GHGs: the CO ₂ sink may be largely offset by stimulated N ₂ O and CH ₄ emission. <i>Ecology Letters</i> , 2009, 12, 1103-1117.	6.4	532
85	Effects of elevated atmospheric CO ₂ and tropospheric O ₃ on nutrient dynamics: decomposition of leaf litter in trembling aspen and paper birch communities. <i>Plant and Soil</i> , 2007, 299, 65-82.	3.7	27
86	Effects of elevated concentrations of atmospheric CO ₂ and tropospheric O ₃ on leaf litter production and chemistry in trembling aspen and paper birch communities. <i>Tree Physiology</i> , 2005, 25, 1511-1522.	3.1	101
87	Spatial-temporal distribution of dimethylsulfide in the subtropical Pearl River Estuary and adjacent waters. <i>Continental Shelf Research</i> , 2005, 25, 1996-2007.	1.8	12
88	Seawater, atmospheric dimethylsulfide and aerosol ions in the Pearl River Estuary and the adjacent northern South China Sea. <i>Journal of Sea Research</i> , 2005, 53, 131-145.	1.6	20