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List of Publications by Year in descending order

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114
papers

3,989
citations

109264

35
h-index

149623

56
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116
all docs

116
docs citations

116
times ranked

3937
citing authors

#	ARTICLE	IF	CITATIONS
1	Heavy rainfall in peak growing season had larger effects on soil nitrogen flux and pool than in the late season in a semiarid grassland. <i>Agriculture, Ecosystems and Environment</i> , 2022, 326, 107785.	2.5	4
2	Contrasting phenology responses to climate warming across the northern extra-tropics. <i>Fundamental Research</i> , 2022, 2, 708-715.	1.6	6
3	Drought timing influences the sensitivity of a semiarid grassland to drought. <i>Geoderma</i> , 2022, 412, 115714.	2.3	13
4	Joint control by soil moisture, functional genes and substrates on response of N ₂ O flux to climate extremes in a semiarid grassland. <i>Agricultural and Forest Meteorology</i> , 2022, 316, 108854.	1.9	5
5	Wood decay fungi: an analysis of worldwide research. <i>Journal of Soils and Sediments</i> , 2022, 22, 1688-1702.	1.5	20
6	Characteristics and trends of grassland degradation research. <i>Journal of Soils and Sediments</i> , 2022, 22, 1901-1912.	1.5	16
7	Drought and heat wave impacts on grassland carbon cycling across hierarchical levels. <i>Plant, Cell and Environment</i> , 2021, 44, 2402-2413.	2.8	22
8	Effect of partial root-zone drying irrigation (PRDI) on the biomass, water productivity and carbon, nitrogen and phosphorus allocations in different organs of alfalfa. <i>Agricultural Water Management</i> , 2021, 243, 106525.	2.4	15
9	The Global-DEP conceptual framework “research on dryland ecosystems to promote sustainability. <i>Current Opinion in Environmental Sustainability</i> , 2021, 48, 17-28.	3.1	52
10	The composition of antibiotic resistance genes is not affected by grazing but is determined by microorganisms in grassland soils. <i>Science of the Total Environment</i> , 2021, 761, 143205.	3.9	19
11	Warming and grazing interact to affect root dynamics in an alpine meadow. <i>Plant and Soil</i> , 2021, 459, 109-124.	1.8	5
12	Large-Scale Analysis of the Spatiotemporal Changes of Net Ecosystem Production in Hindu Kush Himalayan Region. <i>Remote Sensing</i> , 2021, 13, 1180.	1.8	12
13	Quantitative Analysis of the Research Trends and Areas in Grassland Remote Sensing: A Scientometrics Analysis of Web of Science from 1980 to 2020. <i>Remote Sensing</i> , 2021, 13, 1279.	1.8	34
14	Nonlinear carbon cycling responses to precipitation variability in a semiarid grassland. <i>Science of the Total Environment</i> , 2021, 781, 147062.	3.9	9
15	Downward aeration promotes static composting by affecting mineralization and humification. <i>Bioresource Technology</i> , 2021, 338, 125592.	4.8	18
16	Soil phosphorus availability affects diazotroph communities during vegetation succession in lowland subtropical forests. <i>Applied Soil Ecology</i> , 2021, 166, 104009.	2.1	11
17	Responses of soil extracellular enzyme activities and bacterial community composition to seasonal stages of drought in a semiarid grassland. <i>Geoderma</i> , 2021, 401, 115327.	2.3	19
18	Spatial patterns of microbial nitrogen-cycling gene abundances along a precipitation gradient in various temperate grasslands at a regional scale. <i>Geoderma</i> , 2021, 404, 115236.	2.3	16

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19	In-situ ¹³ C labeling to trace carbon fluxes in plant-soil-microorganism systems: Review and methodological guideline. <i>Rhizosphere</i> , 2021, 20, 100441.	1.4	8
20	Phylogenetic Correlation and Symbiotic Network Explain the Interdependence Between Plants and Arbuscular Mycorrhizal Fungi in a Tibetan Alpine Meadow. <i>Frontiers in Plant Science</i> , 2021, 12, 804861.	1.7	4
21	Responses of ammonia-oxidizing archaea and bacteria to nitrogen and phosphorus amendments in an alpine steppe. <i>European Journal of Soil Science</i> , 2020, 71, 940-954.	1.8	14
22	Terrestrial N ₂ O emissions and related functional genes under climate change: A global meta-analysis. <i>Global Change Biology</i> , 2020, 26, 931-943.	4.2	125
23	In situ methods of plant-microbial interactions for nitrogen in rhizosphere. <i>Rhizosphere</i> , 2020, 13, 100186.	1.4	23
24	Grazing promoted soil microbial functional genes for regulating C and N cycling in alpine meadow of the Qinghai-Tibetan Plateau. <i>Agriculture, Ecosystems and Environment</i> , 2020, 303, 107111.	2.5	21
25	Ecology and sustainability of the Inner Mongolian Grassland: Looking back and moving forward. <i>Landscape Ecology</i> , 2020, 35, 2413-2432.	1.9	44
26	Increased litter input significantly changed the total and active microbial communities in degraded grassland soils. <i>Journal of Soils and Sediments</i> , 2020, 20, 2804-2816.	1.5	23
27	Responses of soil microbes and their interactions with plant community after nitrogen and phosphorus addition in a Tibetan alpine steppe. <i>Journal of Soils and Sediments</i> , 2020, 20, 2236-2247.	1.5	16
28	Ecological consequence of nomad settlement policy in the pasture area of Qinghai-Tibetan Plateau: From plant and soil perspectives. <i>Journal of Environmental Management</i> , 2020, 260, 110114.	3.8	21
29	Climatic, Edaphic and Biotic Controls over Soil ¹³ C and ¹⁵ N in Temperate Grasslands. <i>Forests</i> , 2020, 11, 433.	0.9	8
30	Climate-induced abrupt shifts in structural states trigger delayed transitions in functional states. <i>Ecological Indicators</i> , 2020, 115, 106468.	2.6	1
31	The intra- and inter-annual responses of soil respiration to climate extremes in a semiarid grassland. <i>Geoderma</i> , 2020, 378, 114629.	2.3	20
32	Decreased soil substrate availability with incubation time weakens the response of microbial respiration to high temperature in an alpine meadow on the Tibetan Plateau. <i>Journal of Soils and Sediments</i> , 2019, 19, 255-262.	1.5	5
33	Degraded patch formation significantly changed microbial community composition in alpine meadow soils. <i>Soil and Tillage Research</i> , 2019, 195, 104426.	2.6	94
34	Bioconversion of coal to methane by microbial communities from soil and from an opencast mine in the Xilingol grassland of northeast China. <i>Biotechnology for Biofuels</i> , 2019, 12, 236.	6.2	33
35	Total and active soil fungal community profiles were significantly altered by six years of warming but not by grazing. <i>Soil Biology and Biochemistry</i> , 2019, 139, 107611.	4.2	59
36	Phosphorus mediates soil prokaryote distribution pattern along a small-scale elevation gradient in Noijin Kangsang Peak, Tibetan Plateau. <i>FEMS Microbiology Ecology</i> , 2019, 95, .	1.3	17

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37	Three Tibetan grassland plant species tend to partition niches with limited plasticity in nitrogen use. <i>Plant and Soil</i> , 2019, 441, 601-611.	1.8	16
38	Quantitative Assessment of the Impact of Physical and Anthropogenic Factors on Vegetation Spatial-Temporal Variation in Northern Tibet. <i>Remote Sensing</i> , 2019, 11, 1183.	1.8	40
39	Do different livestock dwellings on single grassland share similar faecal microbial communities?. <i>Applied Microbiology and Biotechnology</i> , 2019, 103, 5023-5037.	1.7	4
40	Extreme-duration drought impacts on soil CO ₂ efflux are regulated by plant species composition. <i>Plant and Soil</i> , 2019, 439, 357-372.	1.8	15
41	Trait complementarity between fine roots of <i>Stipa purpurea</i> and their associated arbuscular mycorrhizal fungi along a precipitation gradient in Tibetan alpine steppe. <i>Journal of Mountain Science</i> , 2019, 16, 542-547.	0.8	13
42	Upland Soil Cluster Gamma dominates methanotrophic communities in upland grassland soils. <i>Science of the Total Environment</i> , 2019, 670, 826-836.	3.9	32
43	Response of soil bacterial communities to moisture and grazing in the Tibetan alpine steppes on a small spatial scale. <i>Geomicrobiology Journal</i> , 2019, 36, 559-569.	1.0	6
44	Ecological responses to heavy rainfall depend on seasonal timing and multi-year recurrence. <i>New Phytologist</i> , 2019, 223, 647-660.	3.5	41
45	Habitat filtering shapes the differential structure of microbial communities in the Xilingol grassland. <i>Scientific Reports</i> , 2019, 9, 19326.	1.6	14
46	Changes in soil microbial community response to precipitation events in a semi-arid steppe of the Xilin River Basin, China. <i>Journal of Arid Land</i> , 2019, 11, 97-110.	0.9	12
47	Assessing soil extracellular DNA decomposition dynamics through plasmid amendment coupled with real-time PCR. <i>Journal of Soils and Sediments</i> , 2019, 19, 91-96.	1.5	10
48	Soil microbial communities in alpine grasslands on the Tibet Plateau and their influencing factors. <i>Chinese Science Bulletin</i> , 2019, 64, 2915-2927.	0.4	13
49	Litter amendment rather than phosphorus can dramatically change inorganic nitrogen pools in a degraded grassland soil by affecting nitrogen-cycling microbes. <i>Soil Biology and Biochemistry</i> , 2018, 120, 145-152.	4.2	108
50	Long-term warming rather than grazing significantly changed total and active soil prokaryotic community structures. <i>Geoderma</i> , 2018, 316, 1-10.	2.3	55
51	Total arsenic concentrations in Chinese children's urine by different geographic locations, ages, and genders. <i>Environmental Geochemistry and Health</i> , 2018, 40, 1027-1036.	1.8	11
52	Using the DNDC model to simulate the potential of carbon budget in the meadow and desert steppes in Inner Mongolia, China. <i>Journal of Soils and Sediments</i> , 2018, 18, 63-75.	1.5	9
53	Precipitation drives the biogeographic distribution of soil fungal community in Inner Mongolian temperate grasslands. <i>Journal of Soils and Sediments</i> , 2018, 18, 222-228.	1.5	29
54	Autotrophic and symbiotic diazotrophs dominate nitrogen-fixing communities in Tibetan grassland soils. <i>Science of the Total Environment</i> , 2018, 639, 997-1006.	3.9	88

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55	Seasonal timing regulates extreme drought impacts on CO ₂ and H ₂ O exchanges over semiarid steppes in Inner Mongolia, China. <i>Agriculture, Ecosystems and Environment</i> , 2018, 266, 153-166.	2.5	20
56	Long-term grazing effects on vegetation characteristics and soil properties in a semiarid grassland, northern China. <i>Environmental Monitoring and Assessment</i> , 2017, 189, 216.	1.3	49
57	A growing season climatic index to simulate gross primary productivity and carbon budget in a Tibetan alpine meadow. <i>Ecological Indicators</i> , 2017, 81, 285-294.	2.6	10
58	Aboveground net primary productivity and carbon balance remain stable under extreme precipitation events in a semiarid steppe ecosystem. <i>Agricultural and Forest Meteorology</i> , 2017, 240-241, 1-9.	1.9	42
59	Reference levels and relationships of nine elements in first-spot morning urine and 24-h urine from 210 Chinese children. <i>International Journal of Hygiene and Environmental Health</i> , 2017, 220, 227-234.	2.1	23
60	Increase in ammonia-oxidizing microbe abundance during degradation of alpine meadows may lead to greater soil nitrogen loss. <i>Biogeochemistry</i> , 2017, 136, 341-352.	1.7	44
61	Estimates of Soil Ingestion in a Population of Chinese Children. <i>Environmental Health Perspectives</i> , 2017, 125, 077002.	2.8	48
62	Variability and Changes in Climate, Phenology, and Gross Primary Production of an Alpine Wetland Ecosystem. <i>Remote Sensing</i> , 2016, 8, 391.	1.8	51
63	Leaf unfolding of Tibetan alpine meadows captures the arrival of monsoon rainfall. <i>Scientific Reports</i> , 2016, 6, 20985.	1.6	38
64	Assessing soil microbial respiration capacity using rDNA- or rRNA-based indices: a review. <i>Journal of Soils and Sediments</i> , 2016, 16, 2698-2708.	1.5	16
65	Responses of greenhouse gas fluxes to climate extremes in a semiarid grassland. <i>Atmospheric Environment</i> , 2016, 142, 32-42.	1.9	49
66	Identification of active aerobic methanotrophs in plateau wetlands using DNA stable isotope probing. <i>FEMS Microbiology Letters</i> , 2016, 363, fnw168.	0.7	22
67	Precipitation shapes communities of arbuscular mycorrhizal fungi in Tibetan alpine steppe. <i>Scientific Reports</i> , 2016, 6, 23488.	1.6	62
68	Changes in Biomass and Quality of Alpine Steppe in Response to N & P Fertilization in the Tibetan Plateau. <i>PLoS ONE</i> , 2016, 11, e0156146.	1.1	14
69	Warming decreased and grazing increased plant uptake of amino acids in an alpine meadow. <i>Ecology and Evolution</i> , 2015, 5, 3995-4005.	0.8	15
70	Effect of irrigation regimes and phosphorus rates on water and phosphorus use efficiencies in potato. <i>Scientia Horticulturae</i> , 2015, 190, 64-69.	1.7	35
71	16S rRNA-based bacterial community structure is a sensitive indicator of soil respiration activity. <i>Journal of Soils and Sediments</i> , 2015, 15, 1987-1990.	1.5	16
72	Earlier-Season Vegetation Has Greater Temperature Sensitivity of Spring Phenology in Northern Hemisphere. <i>PLoS ONE</i> , 2014, 9, e88178.	1.1	98

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73	Asymmetric sensitivity of first flowering date to warming and cooling in alpine plants. <i>Ecology</i> , 2014, 95, 3387-3398.	1.5	67
74	Predicted No-Effect Concentration and Risk Assessment for 17-[Beta]-Estradiol in Waters of China. <i>Reviews of Environmental Contamination and Toxicology</i> , 2014, 228, 31-56.	0.7	13
75	Microbial Diversity in Hummock and Hollow Soils of Three Wetlands on the Qinghai-Tibetan Plateau Revealed by 16S rRNA Pyrosequencing. <i>PLoS ONE</i> , 2014, 9, e103115.	1.1	54
76	Modeling Carbon Fluxes Using Multi-Temporal MODIS Imagery and CO2 Eddy Flux Tower Data in Zoige Alpine Wetland, South-West China. <i>Wetlands</i> , 2014, 34, 603-618.	0.7	30
77	Responses of soil respiration and its components to drought stress. <i>Journal of Soils and Sediments</i> , 2014, 14, 99-109.	1.5	69
78	Plasticity in stomatal size and density of potato leaves under different irrigation and phosphorus regimes. <i>Journal of Plant Physiology</i> , 2014, 171, 1248-1255.	1.6	73
79	Effects of warming on root diameter, distribution, and longevity in an alpine meadow. <i>Plant Ecology</i> , 2014, 215, 1057-1066.	0.7	13
80	Aerobic methanotroph diversity in <sc>R</sc>iganqiao peatlands on the <sc>Q</sc>inghaiâ€“<sc>T</sc>ibetan <sc>P</sc>lateau. <i>Environmental Microbiology Reports</i> , 2013, 5, 566-574.	1.0	55
81	Root size and soil environments determine root lifespan: evidence from an alpine meadow on the Tibetan Plateau. <i>Ecological Research</i> , 2013, 28, 493-501.	0.7	21
82	Effects of grazing on CO2 balance in a semiarid steppe: field observations and modeling. <i>Journal of Soils and Sediments</i> , 2013, 13, 1012-1023.	1.5	19
83	Is frequency or amount of precipitation more important in controlling CO2 fluxes in the 30-year-old fenced and the moderately grazed temperate steppe?. <i>Agriculture, Ecosystems and Environment</i> , 2013, 171, 63-71.	2.5	37
84	Effects of warming and increased precipitation on soil carbon mineralization in an Inner Mongolian grassland after 6Åyears of treatments. <i>Biology and Fertility of Soils</i> , 2012, 48, 859-866.	2.3	24
85	Verification of a threshold concept of ecologically effective precipitation pulse: From plant individuals to ecosystem. <i>Ecological Informatics</i> , 2012, 12, 23-30.	2.3	23
86	Effects of warming and grazing on soil N availability, species composition, and ANPP in an alpine meadow. <i>Ecology</i> , 2012, 93, 2365-2376.	1.5	305
87	Comparative study of estrogenic effects of estradiol,nonylphenol, polychlorinated biphenyls,cadmium,zinc and its mixtures on <l>Tanichthys albonubes</l>. <i>Journal of Fisheries of China</i> , 2012, 35, 838-845.	0.1	2
88	The fluxes of CO2 from grazed and fenced temperate steppe during two drought years on the Inner Mongolia Plateau, China. <i>Science of the Total Environment</i> , 2011, 410-411, 182-190.	3.9	33
89	Comprehensive assessments of root biomass and production in a Kobresia humilis meadow on the Qinghai-Tibetan Plateau. <i>Plant and Soil</i> , 2011, 338, 497-510.	1.8	43
90	Predominance of Precipitation and Temperature Controls on Ecosystem CO2 Exchange in Zoige Alpine Wetlands of Southwest China. <i>Wetlands</i> , 2011, 31, 413-422.	0.7	59

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91	Modeling impacts of climate change on carbon dynamics in a steppe ecosystem in Inner Mongolia, China. <i>Journal of Soils and Sediments</i> , 2011, 11, 562-576.	1.5	34
92	Partitioning pattern of carbon flux in a <i>Kobresia</i> grassland on the Qinghai-Tibetan Plateau revealed by field ¹³ C pulse-labeling. <i>Global Change Biology</i> , 2010, 16, 2322-2333.	4.2	75
93	The response of ecosystem CO ₂ exchange to small precipitation pulses over a temperate steppe. <i>Plant Ecology</i> , 2010, 209, 335-347.	0.7	41
94	UV light spectral response of photosynthetic photochemical efficiency in alpine mosses. <i>Journal of Plant Ecology</i> , 2010, 3, 17-24.	1.2	7
95	The sensitivity of temperate steppe CO ₂ exchange to the quantity and timing of natural interannual rainfall. <i>Ecological Informatics</i> , 2010, 5, 222-228.	2.3	34
96	Radiation partitioning and its relation to environmental factors above a meadow ecosystem on the Qinghai-Tibetan Plateau. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	22
97	The response of ecosystem CO ₂ exchange to small precipitation pulses over a temperate steppe. , 2010, , 155-167.		0
98	Photosynthetic response to dynamic changes of light and air humidity in two moss species from the Tibetan Plateau. <i>Ecological Research</i> , 2009, 24, 645-653.	0.7	18
99	Foreign aid, domestic capital accumulation, and foreign borrowing. <i>Journal of Macroeconomics</i> , 2008, 30, 1269-1284.	0.7	9
100	Characterizing evapotranspiration over a meadow ecosystem on the Qinghai-Tibetan Plateau. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	77
101	CO ₂ , H ₂ O and energy exchange of an Inner Mongolia steppe ecosystem during a dry and wet year. <i>Acta Oecologica</i> , 2008, 33, 133-143.	0.5	51
102	Diurnal and seasonal variations of UV radiation on the northern edge of the Qinghai-Tibetan Plateau. <i>Agricultural and Forest Meteorology</i> , 2008, 148, 144-151.	1.9	29
103	Marshallian time preferences and monetary non-neutrality. <i>Economic Modelling</i> , 2008, 25, 1196-1205.	1.8	2
104	Seasonal and interannual variation in water vapor and energy exchange over a typical steppe in Inner Mongolia, China. <i>Agricultural and Forest Meteorology</i> , 2007, 146, 57-69.	1.9	83
105	Seasonal variation in carbon exchange and its ecological analysis over <i>Leymus chinensis</i> steppe in Inner Mongolia. <i>Science in China Series D: Earth Sciences</i> , 2006, 49, 186-195.	0.9	12
106	Response of chlorophyll fluorescence to dynamic light in three alpine species differing in plant architecture. <i>Environmental and Experimental Botany</i> , 2006, 58, 149-157.	2.0	10
107	Effect of long-term grazing on soil organic carbon content in semiarid steppes in Inner Mongolia. <i>Ecological Research</i> , 2005, 20, 519-527.	0.7	113
108	Energy exchange between the atmosphere and a meadow ecosystem on the Qinghai-Tibetan Plateau. <i>Agricultural and Forest Meteorology</i> , 2005, 129, 175-185.	1.9	124

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109	Leaf Orientation, Incident Sunlight, and Photosynthesis in the Alpine Species <i>Suassurea superba</i> and <i>Gentiana straminea</i> on the Qinghai-Tibet Plateau. <i>Arctic, Antarctic, and Alpine Research</i> , 2004, 36, 219-228.	0.4	9
110	Seasonal patterns of gross primary production and ecosystem respiration in an alpine meadow ecosystem on the Qinghai-Tibetan Plateau. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	52
111	Carbon dioxide exchange between the atmosphere and an alpine meadow ecosystem on the Qinghai-Tibetan Plateau, China. <i>Agricultural and Forest Meteorology</i> , 2004, 124, 121-134.	1.9	165
112	Photosynthetic depression in relation to plant architecture in two alpine herbaceous species. <i>Environmental and Experimental Botany</i> , 2003, 50, 125-135.	2.0	24
113	Short-term variation of CO ₂ flux in relation to environmental controls in an alpine meadow on the Qinghai-Tibetan Plateau. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	54
114	Grasslands Maintain Stability in Productivity Through Compensatory Effects and Dominant Species Stability Under Extreme Precipitation Patterns. <i>Ecosystems</i> , 0, , 1.	1.6	2