

# Yanfen Wang

## List of Publications by Year in descending order

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208  
papers

10,183  
citations

36303

51  
h-index

45317

90  
g-index

212  
all docs

212  
docs citations

212  
times ranked

10346  
citing authors

#	ARTICLE	IF	CITATIONS
1	The impacts of climate change and human activities on biogeochemical cycles on the Qinghai-Tibetan Plateau. <i>Global Change Biology</i> , 2013, 19, 2940-2955.	9.5	670
2	ZnO/graphene-oxide nanocomposite with remarkably enhanced visible-light-driven photocatalytic performance. <i>Journal of Colloid and Interface Science</i> , 2012, 377, 114-121.	9.4	396
3	Facile Synthesis and Enhanced Photocatalytic Performance of Flower-like ZnO Hierarchical Microstructures. <i>Journal of Physical Chemistry C</i> , 2010, 114, 890-896.	3.1	379
4	Plant diversity enhances productivity and soil carbon storage. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 4027-4032.	7.1	368
5	Effects of warming and grazing on soil N availability, species composition, and ANPP in an alpine meadow. <i>Ecology</i> , 2012, 93, 2365-2376.	3.2	305
6	Effects of vegetation control on ecosystem water use efficiency within and among four grassland ecosystems in China. <i>Global Change Biology</i> , 2008, 14, 1609-1619.	9.5	288
7	Fabrication and Properties of Microencapsulated Paraffin@SiO <sub>2</sub> Phase Change Composite for Thermal Energy Storage. <i>ACS Sustainable Chemistry and Engineering</i> , 2013, 1, 374-380.	6.7	249
8	Partitioning of evapotranspiration and its controls in four grassland ecosystems: Application of a two-source model. <i>Agricultural and Forest Meteorology</i> , 2009, 149, 1410-1420.	4.8	227
9	Facile synthesis and photocatalytic activity of ZnO@CuO nanocomposite. <i>Superlattices and Microstructures</i> , 2010, 47, 615-623.	3.1	223
10	Rate-specific responses of prokaryotic diversity and structure to nitrogen deposition in the <i>Leymus chinensis</i> steppe. <i>Soil Biology and Biochemistry</i> , 2014, 79, 81-90.	8.8	175
11	Response of ecosystem respiration to warming and grazing during the growing seasons in the alpine meadow on the Tibetan plateau. <i>Agricultural and Forest Meteorology</i> , 2011, 151, 792-802.	4.8	171
12	Methane emissions from rice paddies natural wetlands, lakes in China: synthesis new estimate. <i>Global Change Biology</i> , 2013, 19, 19-32.	9.5	166
13	Management and land use change effects on soil carbon in northern China's grasslands: a synthesis. <i>Agriculture, Ecosystems and Environment</i> , 2011, 142, 329-340.	5.3	160
14	Facile preparation and adjustable thermal property of stearic acid@graphene oxide composite as shape-stabilized phase change material. <i>Chemical Engineering Journal</i> , 2013, 215-216, 819-826.	12.7	160
15	Effects of environmental factors on N <sub>2</sub> O emission from and CH <sub>4</sub> uptake by the typical grasslands in the Inner Mongolia. <i>Chemosphere</i> , 2005, 58, 205-215.	8.2	140
16	Reduced microbial stability in the active layer is associated with carbon loss under alpine permafrost degradation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	138
17	Warming and grazing affect soil labile carbon and nitrogen pools differently in an alpine meadow of the Qinghai-Tibet Plateau in China. <i>Journal of Soils and Sediments</i> , 2011, 11, 903-914.	3.0	133
18	Terrestrial N <sub>2</sub> O emissions and related functional genes under climate change: A global meta-analysis. <i>Global Change Biology</i> , 2020, 26, 931-943.	9.5	125

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19	Warming and increased precipitation have differential effects on soil extracellular enzyme activities in a temperate grassland. <i>Science of the Total Environment</i> , 2013, 444, 552-558.	8.0	121
20	The carbon stock of alpine peatlands on the Qinghai-Tibetan Plateau during the Holocene and their future fate. <i>Quaternary Science Reviews</i> , 2014, 95, 151-158.	3.0	118
21	Effect of long-term grazing on soil organic carbon content in semiarid steppes in Inner Mongolia. <i>Ecological Research</i> , 2005, 20, 519-527.	1.5	113
22	Methanogen community in Zoige wetland of Tibetan plateau and phenotypic characterization of a dominant uncultured methanogen cluster ZC. <i>Environmental Microbiology</i> , 2008, 10, 1850-1860.	3.8	108
23	Effects of warming and grazing on N <sub>2</sub> O fluxes in an alpine meadow ecosystem on the Tibetan plateau. <i>Soil Biology and Biochemistry</i> , 2010, 42, 944-952.	8.8	107
24	Excitation-emission matrix (EEM) fluorescence spectroscopy for characterization of organic matter in membrane bioreactors: Principles, methods and applications. <i>Frontiers of Environmental Science and Engineering</i> , 2020, 14, 1.	6.0	100
25	Facile fabrication of Ag/graphene oxide/TiO <sub>2</sub> nanorod array as a powerful substrate for photocatalytic degradation and surface-enhanced Raman scattering detection. <i>Applied Catalysis B: Environmental</i> , 2019, 252, 174-186.	20.2	98
26	Degraded patch formation significantly changed microbial community composition in alpine meadow soils. <i>Soil and Tillage Research</i> , 2019, 195, 104426.	5.6	94
27	Temperature and precipitation control of the spatial variation of terrestrial ecosystem carbon exchange in the Asian region. <i>Agricultural and Forest Meteorology</i> , 2013, 182-183, 266-276.	4.8	86
28	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.	4.8	83
29	Soil extractable carbon and nitrogen, microbial biomass and microbial metabolic activity in response to warming and increased precipitation in a semiarid Inner Mongolian grassland. <i>Geoderma</i> , 2013, 206, 24-31.	5.1	80
30	Production and characterization of surfactin-like biosurfactant produced by novel strain <i>Bacillus nealsonii</i> S2MT and its potential for oil contaminated soil remediation. <i>Microbial Cell Factories</i> , 2020, 19, 145.	4.0	79
31	Synthesis, microstructure, and photocatalysis of ZnO/CdS nano-heterostructure. <i>Journal of Physics and Chemistry of Solids</i> , 2011, 72, 1165-1169.	4.0	76
32	Partitioning pattern of carbon flux in a <i>Kobresia</i> grassland on the Qinghai-Tibetan Plateau revealed by field <sup>13</sup> C pulse-labeling. <i>Global Change Biology</i> , 2010, 16, 2322-2333.	9.5	75
33	Contrasting responses of gross primary productivity to precipitation events in a water-limited and a temperature-limited grassland ecosystem. <i>Agricultural and Forest Meteorology</i> , 2015, 214-215, 169-177.	4.8	75
34	Warming and grazing increase mineralization of organic P in an alpine meadow ecosystem of Qinghai-Tibet Plateau, China. <i>Plant and Soil</i> , 2012, 357, 73-87.	3.7	71
35	A facile one-pot synthesis of Cu <sub>2</sub> O/RGO nanocomposite for removal of organic pollutant. <i>Journal of Physics and Chemistry of Solids</i> , 2013, 74, 635-640.	4.0	71
36	Responses of soil respiration and its components to drought stress. <i>Journal of Soils and Sediments</i> , 2014, 14, 99-109.	3.0	69

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37	Soil methane uptake by grasslands and forests in China. <i>Soil Biology and Biochemistry</i> , 2014, 74, 70-81.	8.8	69
38	Determinants influencing seasonal variations of methane emissions from alpine wetlands in Zoige Plateau and their implications. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	68
39	Delayed spring phenology on the Tibetan Plateau may also be attributable to other factors than winter and spring warming. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, E93; author reply E95.	7.1	68
40	Effects of grazing on N <sub>2</sub> O production potential and abundance of nitrifying and denitrifying microbial communities in meadow-steppe grassland in northern China. <i>Soil Biology and Biochemistry</i> , 2014, 69, 1-10.	8.8	66
41	Intermediate grazing intensities by sheep increase soil bacterial diversities in an Inner Mongolian steppe. <i>Biology and Fertility of Soils</i> , 2010, 46, 817-824.	4.3	63
42	A unique Cu <sub>2</sub> O/TiO <sub>2</sub> nanocomposite with enhanced photocatalytic performance under visible light irradiation. <i>Ceramics International</i> , 2017, 43, 4866-4872.	4.8	61
43	Enhanced electromagnetic wave absorption performance of silane coupling agent KH550@Fe <sub>3</sub> O <sub>4</sub> hollow nanospheres/graphene composites. <i>Journal of Materials Chemistry C</i> , 2020, 8, 2913-2926.	5.5	61
44	Short-term effects of sheep excrement on carbon dioxide, nitrous oxide and methane fluxes in typical grassland of Inner Mongolia. <i>New Zealand Journal of Agricultural Research</i> , 2006, 49, 285-297.	1.6	60
45	Spatial variations on methane emissions from Zoige alpine wetlands of Southwest China. <i>Science of the Total Environment</i> , 2009, 407, 1097-1104.	8.0	59
46	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.	8.8	59
47	Effects of grazing and experimental warming on DOC concentrations in the soil solution on the Qinghai-Tibet plateau. <i>Soil Biology and Biochemistry</i> , 2009, 41, 2493-2500.	8.8	58
48	Fabrication of superhydrophobic surface of hierarchical ZnO thin films by using stearic acid. <i>Superlattices and Microstructures</i> , 2012, 51, 128-134.	3.1	57
49	Seasonal dynamics of water use efficiency of typical forest and grassland ecosystems in China. <i>Journal of Forest Research</i> , 2014, 19, 70-76.	1.4	55
50	Long-term warming rather than grazing significantly changed total and active soil prokaryotic community structures. <i>Geoderma</i> , 2018, 316, 1-10.	5.1	55
51	Improving the light use efficiency model for simulating terrestrial vegetation gross primary production by the inclusion of diffuse radiation across ecosystems in China. <i>Ecological Complexity</i> , 2015, 23, 1-13.	2.9	54
52	A MODIS-based Photosynthetic Capacity Model to estimate gross primary production in Northern China and the Tibetan Plateau. <i>Remote Sensing of Environment</i> , 2014, 148, 108-118.	11.0	52
53	Plant functional groups regulate soil respiration responses to nitrogen addition and mowing over a decade. <i>Functional Ecology</i> , 2018, 32, 1117-1127.	3.6	52
54	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

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55	CO <sub>2</sub> , H <sub>2</sub> O and energy exchange of an Inner Mongolia steppe ecosystem during a dry and wet year. <i>Acta Oecologica</i> , 2008, 33, 133-143.	1.1	51
56	High methane emissions from a littoral zone on the Qinghai-Tibetan Plateau. <i>Atmospheric Environment</i> , 2009, 43, 4995-5000.	4.1	50
57	Methanol as the Primary Methanogenic and Acetogenic Precursor in the Cold Zoige Wetland at Tibetan Plateau. <i>Microbial Ecology</i> , 2010, 60, 206-213.	2.8	49
58	Responses of greenhouse gas fluxes to climate extremes in a semiarid grassland. <i>Atmospheric Environment</i> , 2016, 142, 32-42.	4.1	49
59	Spatio-temporal variations in the areas suitable for the cultivation of rice and maize in China under future climate scenarios. <i>Science of the Total Environment</i> , 2017, 601-602, 518-531.	8.0	47
60	Effect of natural microbiome and culturable biosurfactants-producing bacterial consortia of freshwater lake on petroleum-hydrocarbon degradation. <i>Science of the Total Environment</i> , 2021, 751, 141720.	8.0	47
61	Community Structure, Abundance, and Activity of Methanotrophs in the Zoige Wetland of the Tibetan Plateau. <i>Microbial Ecology</i> , 2012, 63, 835-843.	2.8	44
62	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.	3.5	44
63	Drivers of Change to Mountain Sustainability in the Hindu Kush Himalaya. , 2019, , 17-56.		43
64	Carbon accumulation and sequestration of lakes in China during the Holocene. <i>Global Change Biology</i> , 2015, 21, 4436-4448.	9.5	42
65	Facile synthesis of TiO <sub>2</sub> /In <sub>2</sub> S <sub>3</sub> /CdS ternary porous heterostructure arrays with enhanced photoelectrochemical and visible-light photocatalytic properties. <i>Journal of Materials Chemistry C</i> , 2019, 7, 9065-9074.	5.5	42
66	Warming counteracts grazing effects on the functional structure of the soil microbial community in a Tibetan grassland. <i>Soil Biology and Biochemistry</i> , 2019, 134, 113-121.	8.8	42
67	The response of ecosystem CO <sub>2</sub> exchange to small precipitation pulses over a temperate steppe. <i>Plant Ecology</i> , 2010, 209, 335-347.	1.6	41
68	<i>Methanoculleus hydrogenitrophicus</i> sp. nov., a methanogenic archaeon isolated from wetland soil. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2010, 60, 2165-2169.	1.7	41
69	Effects of drought on the archaeal community in soil of the Zoige wetlands of the Qinghai-Tibetan plateau. <i>European Journal of Soil Biology</i> , 2012, 52, 84-90.	3.2	41
70	Ecological responses to heavy rainfall depend on seasonal timing and multi-year recurrence. <i>New Phytologist</i> , 2019, 223, 647-660.	7.3	41
71	Hierarchically assembled porous ZnO microstructures and applications in a gas sensor. <i>Superlattices and Microstructures</i> , 2011, 49, 433-440.	3.1	40
72	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.	4.0	40

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73	Effects of temperature, precipitation and carbon dioxide concentrations on the requirements for crop irrigation water in China under future climate scenarios. <i>Science of the Total Environment</i> , 2019, 656, 373-387.	8.0	38
74	The significance of tree-tree interactions for forest ecosystem functioning. <i>Basic and Applied Ecology</i> , 2021, 55, 33-52.	2.7	38
75	Is frequency or amount of precipitation more important in controlling CO <sub>2</sub> fluxes in the 30-year-old fenced and the moderately grazed temperate steppe?. <i>Agriculture, Ecosystems and Environment</i> , 2013, 171, 63-71.	5.3	37
76	Controllable fabrication of superhydrophobic TiO <sub>2</sub> coating with improved transparency and thermostability. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2014, 441, 298-305.	4.7	35
77	Spatial variation in annual actual evapotranspiration of terrestrial ecosystems in China: Results from eddy covariance measurements. <i>Journal of Chinese Geography</i> , 2016, 26, 1391-1411.	3.9	35
78	Relationship between fluorescence excitation-emission matrix properties and the relative degree of DOM hydrophobicity in wastewater treatment effluents. <i>Chemosphere</i> , 2020, 254, 126830.	8.2	35
79	Effect of water stress on ecosystem photosynthesis and respiration of a <i>Leymus chinensis</i> steppe in Inner Mongolia. <i>Science in China Series D: Earth Sciences</i> , 2006, 49, 196-206.	0.9	34
80	The sensitivity of temperate steppe CO <sub>2</sub> exchange to the quantity and timing of natural interannual rainfall. <i>Ecological Informatics</i> , 2010, 5, 222-228.	5.2	34
81	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.	3.0	34
82	Three-dimensional hierarchical anatase@rutile TiO <sub>2</sub> nanotree array films decorated by silver nanoparticles as ultrasensitive recyclable surface-enhanced Raman scattering substrates. <i>Journal of Alloys and Compounds</i> , 2017, 725, 1166-1174.	5.5	34
83	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.	4.0	34
84	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
85	Facile fabrication of a low adhesion, stable and superhydrophobic filter paper modified with ZnO microclusters. <i>Applied Surface Science</i> , 2019, 496, 143743.	6.1	33
86	Plant species effects on soil carbon and nitrogen dynamics in a temperate steppe of northern China. <i>Plant and Soil</i> , 2011, 346, 331-347.	3.7	32
87	Upland Soil Cluster Gamma dominates methanotrophic communities in upland grassland soils. <i>Science of the Total Environment</i> , 2019, 670, 826-836.	8.0	32
88	Diurnal variation of methane emissions from an alpine wetland on the eastern edge of Qinghai-Tibetan Plateau. <i>Environmental Monitoring and Assessment</i> , 2010, 164, 21-28.	2.7	31
89	Ecosystem response more than climate variability drives the inter-annual variability of carbon fluxes in three Chinese grasslands. <i>Agricultural and Forest Meteorology</i> , 2016, 225, 48-56.	4.8	31
90	Methane Fluxes from Alpine Wetlands of Zoige Plateau in Relation to Water Regime and Vegetation under Two Scales. <i>Water, Air, and Soil Pollution</i> , 2011, 217, 173-183.	2.4	30

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91	Modeling Carbon Fluxes Using Multi-Temporal MODIS Imagery and CO <sub>2</sub> Eddy Flux Tower Data in Zoige Alpine Wetland, South-West China. <i>Wetlands</i> , 2014, 34, 603-618.	1.5	30
92	Grazing modifies inorganic and organic nitrogen uptake by coexisting plant species in alpine grassland. <i>Biology and Fertility of Soils</i> , 2016, 52, 211-221.	4.3	30
93	Construction of Ag@AgCl decorated TiO <sub>2</sub> nanorod array film with optimized photoelectrochemical and photocatalytic performance. <i>Applied Surface Science</i> , 2019, 476, 84-93.	6.1	30
94	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.	3.0	29
95	TiO <sub>2</sub> nanorod array film decorated with rGO nanosheets for enhancing photocatalytic and photoelectrochemical properties. <i>Journal of Alloys and Compounds</i> , 2019, 770, 243-251.	5.5	29
96	Inter-Annual Variations of Methane Emission from an Open Fen on the Qinghai-Tibetan Plateau: A Three-Year Study. <i>PLoS ONE</i> , 2013, 8, e53878.	2.5	27
97	Lagged climatic effects on carbon fluxes over three grassland ecosystems in China. <i>Journal of Plant Ecology</i> , 2015, 8, 291-302.	2.3	27
98	Evenness is important in assessing progress towards sustainable development goals. <i>National Science Review</i> , 2021, 8, nwaa238.	9.5	27
99	Effects of flue gas desulfurization gypsum by-products on microbial biomass and community structure in alkaline-saline soils. <i>Journal of Soils and Sediments</i> , 2012, 12, 1040-1053.	3.0	25
100	Relationship between archaeal community structure and vegetation type in a fen on the Qinghai-Tibetan Plateau. <i>Biology and Fertility of Soils</i> , 2012, 48, 349-356.	4.3	25
101	A remote sensing model to estimate ecosystem respiration in Northern China and the Tibetan Plateau. <i>Ecological Modelling</i> , 2015, 304, 34-43.	2.5	25
102	Mixed grazing and clipping is beneficial to ecosystem recovery but may increase potential N <sub>2</sub> O emissions in a semi-arid grassland. <i>Soil Biology and Biochemistry</i> , 2017, 114, 42-51.	8.8	25
103	How does biochar amendment affect soil methane oxidation? A review. <i>Journal of Soils and Sediments</i> , 2021, 21, 1575-1586.	3.0	25
104	Effects of warming and increased precipitation on soil carbon mineralization in an Inner Mongolian grassland after 6 years of treatments. <i>Biology and Fertility of Soils</i> , 2012, 48, 859-866.	4.3	24
105	Microbial community responses reduce soil carbon loss in Tibetan alpine grasslands under short-term warming. <i>Global Change Biology</i> , 2019, 25, 3438-3449.	9.5	24
106	Opposite effects of winter day and night temperature changes on early phenophases. <i>Ecology</i> , 2019, 100, e02775.	3.2	24
107	Title is missing!. <i>Nutrient Cycling in Agroecosystems</i> , 2002, 62, 195-202.	2.2	22
108	Nitrous oxide fluxes from the littoral zone of a lake on the Qinghai-Tibetan Plateau. <i>Environmental Monitoring and Assessment</i> , 2011, 182, 545-553.	2.7	22



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109	Effects of warming and grazing on dissolved organic nitrogen in a Tibetan alpine meadow ecosystem. <i>Soil and Tillage Research</i> , 2016, 158, 156-164.	5.6	22
110	Drought and heat wave impacts on grassland carbon cycling across hierarchical levels. <i>Plant, Cell and Environment</i> , 2021, 44, 2402-2413.	5.7	22
111	Tree mycorrhizal type and tree diversity shape the forest soil microbiota. <i>Environmental Microbiology</i> , 2022, 24, 4236-4255.	3.8	22
112	Uncertainty in simulating regional gross primary productivity from satellite-based models over northern China grassland. <i>Ecological Indicators</i> , 2018, 88, 134-143.	6.3	21
113	Soil extractable organic C and N contents, methanotrophic activity under warming and degradation in a Tibetan alpine meadow. <i>Agriculture, Ecosystems and Environment</i> , 2019, 278, 6-14.	5.3	21
114	Ag-Ag <sub>2</sub> S quantum-dots modified TiO <sub>2</sub> nanorod arrays with enhanced photoelectrochemical and photocatalytic properties. <i>Journal of Alloys and Compounds</i> , 2019, 780, 347-354.	5.5	21
115	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.	7.8	21
116	Facile fabrication of ZnO nanorods modified Fe <sub>3</sub> O <sub>4</sub> nanoparticles with enhanced magnetic, photoelectrochemical and photocatalytic properties. <i>Optical Materials</i> , 2021, 111, 110608.	3.6	21
117	Slope class and grazing intensity effects on microorganisms and nitrogen transformation processes responsible for nitrous oxide emissions from hill pastures. <i>Agriculture, Ecosystems and Environment</i> , 2016, 217, 70-78.	5.3	20
118	Assessing the ability of potential evapotranspiration models in capturing dynamics of evaporative demand across various biomes and climatic regimes with ChinaFLUX measurements. <i>Journal of Hydrology</i> , 2017, 551, 70-80.	5.4	20
119	Seasonal timing regulates extreme drought impacts on CO <sub>2</sub> and H <sub>2</sub> O exchanges over semiarid steppes in Inner Mongolia, China. <i>Agriculture, Ecosystems and Environment</i> , 2018, 266, 153-166.	5.3	20
120	The intra- and inter-annual responses of soil respiration to climate extremes in a semiarid grassland. <i>Geoderma</i> , 2020, 378, 114629.	5.1	20
121	Diversity of methanotrophs in Zoige wetland soils under both anaerobic and aerobic conditions. <i>Journal of Environmental Sciences</i> , 2010, 22, 1232-1238.	6.1	19
122	Effects of grazing on CO <sub>2</sub> balance in a semiarid steppe: field observations and modeling. <i>Journal of Soils and Sediments</i> , 2013, 13, 1012-1023.	3.0	19
123	Aerobic Methanotroph Diversity in Sanjiang Wetland, Northeast China. <i>Microbial Ecology</i> , 2015, 69, 567-576.	2.8	19
124	Facile synthesis of core-shell ZnO/Cu <sub>2</sub> O heterojunction with enhanced visible light-driven photocatalytic performance. <i>Journal of Sol-Gel Science and Technology</i> , 2018, 88, 172-180.	2.4	19
125	Differential response to warming of the uptake of nitrogen by plant species in non-degraded and degraded alpine grasslands. <i>Journal of Soils and Sediments</i> , 2019, 19, 2212-2221.	3.0	19
126	Net neutral carbon responses to warming and grazing in alpine grassland ecosystems. <i>Agricultural and Forest Meteorology</i> , 2020, 280, 107792.	4.8	19



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127	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.	8.0	19
128	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.	5.1	19
129	Uncertainty analysis of eddy flux measurements in typical ecosystems of ChinaFLUX. <i>Ecological Informatics</i> , 2010, 5, 492-502.	5.2	18
130	Effects of grazing on the acquisition of nitrogen by plants and microorganisms in an alpine grassland on the Tibetan plateau. <i>Plant and Soil</i> , 2017, 416, 297-308.	3.7	18
131	Annual ecosystem respiration is resistant to changes in freeze-thaw periods in semi-arid permafrost. <i>Global Change Biology</i> , 2020, 26, 2630-2641.	9.5	18
132	Attribution analyses of changes in alpine grasslands on the Qinghai-Tibetan Plateau. <i>Chinese Science Bulletin</i> , 2020, 65, 2406-2418.	0.7	18
133	Anaerobic methane oxidation linked to Fe(III) reduction in a <i>Candidatus Methanoperedens</i> enriched consortium from the cold Zoige wetland at Tibetan Plateau. <i>Environmental Microbiology</i> , 2022, 24, 614-625.	3.8	18
134	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, .	2.7	17
135	Bioprospecting of rhamnolipids production and optimization by an oil-degrading <i>Pseudomonas</i> sp. S2WE isolated from freshwater lake. <i>Bioresource Technology</i> , 2021, 323, 124601.	9.6	17
136	Low-temperature strategy for vapor phase hydrothermal synthesis of CNS-doped TiO <sub>2</sub> nanorod arrays with enhanced photoelectrochemical and photocatalytic activity. <i>Journal of Industrial and Engineering Chemistry</i> , 2021, 98, 130-139.	5.8	17
137	Impacts of Diffuse Radiation on Light Use Efficiency across Terrestrial Ecosystems Based on Eddy Covariance Observation in China. <i>PLoS ONE</i> , 2014, 9, e110988.	2.5	16
138	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.	3.0	16
139	Assessing soil microbial respiration capacity using rDNA- or rRNA-based indices: a review. <i>Journal of Soils and Sediments</i> , 2016, 16, 2698-2708.	3.0	16
140	Three Tibetan grassland plant species tend to partition niches with limited plasticity in nitrogen use. <i>Plant and Soil</i> , 2019, 441, 601-611.	3.7	16
141	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.	5.1	16
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