

# Yanfen Wang

## List of Publications by Year in descending order

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208  
papers

10,183  
citations

36203

51  
h-index

45213

90  
g-index

212  
all docs

212  
docs citations

212  
times ranked

10346  
citing authors

#	ARTICLE	IF	CITATIONS
1	Tree mycorrhizal type and tree diversity shape the forest soil microbiota. <i>Environmental Microbiology</i> , 2022, 24, 4236-4255.	1.8	22
2	Similar heterotrophic communities but distinct interactions supported by red and green snow algae in the Antarctic Peninsula. <i>New Phytologist</i> , 2022, 233, 1358-1368.	3.5	7
3	Environmental selection overturns the decay relationship of soil prokaryotic community over geographic distance across grassland biotas. <i>ELife</i> , 2022, 11, .	2.8	5
4	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.	1.8	18
5	Livelihood resilience in pastoral communities: Methodological and field insights from Qinghai-Tibetan Plateau. <i>Science of the Total Environment</i> , 2022, 838, 155960.	3.9	15
6	Plant functional groups shift their nitrogen uptake during restoration of degraded alpine grasslands. <i>Land Degradation and Development</i> , 2022, 33, 2898-2910.	1.8	2
7	Evenness is important in assessing progress towards sustainable development goals. <i>National Science Review</i> , 2021, 8, nwaa238.	4.6	27
8	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
9	Abiotic and biotic controls of soil dissolved organic nitrogen along a precipitation gradient on the Tibetan plateau. <i>Plant and Soil</i> , 2021, 459, 65-78.	1.8	7
10	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.	3.9	47
11	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
12	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.	1.7	21
13	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
14	Essential dryland ecosystem variables. <i>Current Opinion in Environmental Sustainability</i> , 2021, 48, 68-76.	3.1	4
15	Only mass migration of fungi runs through the biotopes of soil, phyllosphere, and feces. <i>Journal of Soils and Sediments</i> , 2021, 21, 1151-1164.	1.5	2
16	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.	4.8	17
17	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
18	The potential use of straw-derived biochar as the adsorbent for La(III) and Nd(III) removal in aqueous solutions. <i>Environmental Science and Pollution Research</i> , 2021, 28, 47024-47034.	2.7	9

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19	Linkage between microbial shift and ecosystem functionality. <i>Global Change Biology</i> , 2021, 27, 3197-3199.	4.2	2
20	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, .	3.3	138
21	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.	2.9	17
22	NiCo alloy/C nanocomposites derived from a Ni-doped ZIF-67 for lightweight microwave absorbers. <i>Nanotechnology</i> , 2021, 32, 385602.	1.3	9
23	Ambient climate determines the directional trend of community stability under warming and grazing. <i>Global Change Biology</i> , 2021, 27, 5198-5210.	4.2	9
24	Opportunities for household energy on the Qinghai-Tibet Plateau in line with United Nationsâ€™ Sustainable Development Goals. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 144, 110982.	8.2	14
25	Revealing the community and metabolic potential of active methanotrophs by targeted metagenomics in the Zoige wetland of the Tibetan Plateau. <i>Environmental Microbiology</i> , 2021, 23, 6520-6535.	1.8	8
26	Nonlinear carbon cycling responses to precipitation variability in a semiarid grassland. <i>Science of the Total Environment</i> , 2021, 781, 147062.	3.9	9
27	The significance of tree-tree interactions for forest ecosystem functioning. <i>Basic and Applied Ecology</i> , 2021, 55, 33-52.	1.2	38
28	Soil aeration rather than methanotrophic community drives methane uptake under drought in a subtropical forest. <i>Science of the Total Environment</i> , 2021, 792, 148292.	3.9	9
29	Spectroscopic fingerprints to track the fate of aquatic organic matter along an alpine headstream on the Tibetan Plateau. <i>Science of the Total Environment</i> , 2021, 792, 148376.	3.9	10
30	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
31	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
32	How does biochar amendment affect soil methane oxidation? A review. <i>Journal of Soils and Sediments</i> , 2021, 21, 1575-1586.	1.5	25
33	Effect of TiO <sub>2</sub> arrays on surface enhanced Raman scattering (SERS) performance for Ag/TiO <sub>2</sub> substrates. <i>Nanotechnology</i> , 2021, 32, 075708.	1.3	12
34	Attribute parameter characterized the seasonal variation of gross primary productivity ( $\hat{I} \pm GPP$ ): Spatiotemporal variation and influencing factors. <i>Agricultural and Forest Meteorology</i> , 2020, 280, 107774.	1.9	9
35	Net neutral carbon responses to warming and grazing in alpine grassland ecosystems. <i>Agricultural and Forest Meteorology</i> , 2020, 280, 107792.	1.9	19
36	Ultrathin Al <sub>2</sub> O <sub>3</sub> passivation layer-wrapped Ag@TiO <sub>2</sub> nanorods by atomic layer deposition for enhanced photoelectrochemical performance. <i>Applied Surface Science</i> , 2020, 499, 143971.	3.1	14

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37	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.	4.2	125
38	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.	2.7	61
39	Annual ecosystem respiration is resistant to changes in freeze-thaw periods in semi-arid permafrost. <i>Global Change Biology</i> , 2020, 26, 2630-2641.	4.2	18
40	Promoting resilience of large international collaborative research programs in times of global crisis. <i>Ecology and Evolution</i> , 2020, 10, 12549-12554.	0.8	2
41	Enhanced spring temperature sensitivity of carbon emission links to earlier phenology. <i>Science of the Total Environment</i> , 2020, 745, 140999.	3.9	9
42	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.	1.9	79
43	A Facile and Controllable Vapor-Phase Hydrothermal Approach to Anionic S <sup>2-</sup> -doped TiO <sub>2</sub> Nanorod Arrays with Enhanced Photoelectrochemical and Photocatalytic Activity. <i>Nanomaterials</i> , 2020, 10, 1776.	1.9	1
44	Estimating Ecosystem Respiration in the Grasslands of Northern China Using Machine Learning: Model Evaluation and Comparison. <i>Sustainability</i> , 2020, 12, 2099.	1.6	7
45	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.	3.3	100
46	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
47	Non-linear temperature sensitivity of litter component decomposition under warming gradient with precipitation addition on the Tibetan plateau. <i>Plant and Soil</i> , 2020, 448, 335-351.	1.8	9
48	Relationship between fluorescence excitation-emission matrix properties and the relative degree of DOM hydrophobicity in wastewater treatment effluents. <i>Chemosphere</i> , 2020, 254, 126830.	4.2	35
49	Ultrathin alumina wrapped TiO <sub>2</sub> nanorods for enhance photoelectrochemical performance via atomic layer deposition method. <i>Chemical Physics</i> , 2020, 536, 110791.	0.9	3
50	A two-dimensional, higher-order, enthalpy-based thermomechanical ice flow model for mountain glaciers and its benchmark experiments. <i>Computers and Geosciences</i> , 2020, 141, 104526.	2.0	6
51	Climate-induced abrupt shifts in structural states trigger delayed transitions in functional states. <i>Ecological Indicators</i> , 2020, 115, 106468.	2.6	1
52	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
53	Attribution analyses of changes in alpine grasslands on the Qinghai-Tibetan Plateau. <i>Chinese Science Bulletin</i> , 2020, 65, 2406-2418.	0.4	18
54	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.	2.8	29

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55	Microbial community responses reduce soil carbon loss in Tibetan alpine grasslands under short-term warming. <i>Global Change Biology</i> , 2019, 25, 3438-3449.	4.2	24
56	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.	2.7	42
57	Degraded patch formation significantly changed microbial community composition in alpine meadow soils. <i>Soil and Tillage Research</i> , 2019, 195, 104426.	2.6	94
58	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
59	Facile fabrication of a low adhesion, stable and superhydrophobic filter paper modified with ZnO microclusters. <i>Applied Surface Science</i> , 2019, 496, 143743.	3.1	33
60	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
61	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.	1.5	19
62	Opposite effects of winter day and night temperature changes on early phenophases. <i>Ecology</i> , 2019, 100, e02775.	1.5	24
63	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
64	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
65	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
66	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
67	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.	2.5	21
68	Extreme-duration drought impacts on soil CO <sub>2</sub> efflux are regulated by plant species composition. <i>Plant and Soil</i> , 2019, 439, 357-372.	1.8	15
69	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
70	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
71	Ecological responses to heavy rainfall depend on seasonal timing and multi-year recurrence. <i>New Phytologist</i> , 2019, 223, 647-660.	3.5	41
72	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.	10.8	98

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73	Richness of plant communities plays a larger role than climate in determining responses of species richness to climate change. <i>Journal of Ecology</i> , 2019, 107, 1944-1955.	1.9	12
74	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.	4.2	42
75	Habitat filtering shapes the differential structure of microbial communities in the Xilingol grassland. <i>Scientific Reports</i> , 2019, 9, 19326.	1.6	14
76	Fungal pathogens pose a potential threat to animal and plant health in desertified and pika-burrowed alpine meadows on the Tibetan Plateau. <i>Canadian Journal of Microbiology</i> , 2019, 65, 365-376.	0.8	7
77	A multifunctional Ag/TiO <sub>2</sub> /reduced graphene oxide with optimal surface-enhanced Raman scattering and photocatalysis. <i>Journal of the American Ceramic Society</i> , 2019, 102, 4000-4013.	1.9	14
78	A comparison of two methods for estimating surface soil moisture based on the triangle model using optical/thermal infrared remote sensing over the source area of the Yellow River. <i>International Journal of Remote Sensing</i> , 2019, 40, 2120-2137.	1.3	7
79	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
80	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.	3.1	30
81	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
82	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.	3.9	38
83	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.	2.8	21
84	Drivers of Change to Mountain Sustainability in the Hindu Kush Himalaya. , 2019, , 17-56.		43
85	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
86	Uncertainty in simulating regional gross primary productivity from satellite-based models over northern China grassland. <i>Ecological Indicators</i> , 2018, 88, 134-143.	2.6	21
87	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.	3.3	368
88	Long-term warming rather than grazing significantly changed total and active soil procaryotic community structures. <i>Geoderma</i> , 2018, 316, 1-10.	2.3	55
89	Plant functional groups regulate soil respiration responses to nitrogen addition and mowing over a decade. <i>Functional Ecology</i> , 2018, 32, 1117-1127.	1.7	52
90	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

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91	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
92	Mowing and topography effects on microorganisms and nitrogen transformation processes responsible for nitrous oxide emissions in semi-arid grassland of Inner Mongolia. <i>Journal of Soils and Sediments</i> , 2018, 18, 929-935.	1.5	8
93	Plant organic N uptake maintains species dominance under long-term warming. <i>Plant and Soil</i> , 2018, 433, 243-255.	1.8	13
94	Synthesis and characterization of Bi <sub>2</sub> S <sub>3</sub> quantum dot-sensitized TiO <sub>2</sub> nanorod arrays coated with ZnSe passivation layers. <i>Applied Surface Science</i> , 2018, 456, 694-700.	3.1	15
95	Fungi regulate the response of the N <sub>2</sub> O production process to warming and grazing in a Tibetan grassland. <i>Biogeosciences</i> , 2018, 15, 4447-4457.	1.3	15
96	A Satellite-Based Model for Simulating Ecosystem Respiration in the Tibetan and Inner Mongolian Grasslands. <i>Remote Sensing</i> , 2018, 10, 149.	1.8	13
97	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.	2.5	20
98	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.	1.1	19
99	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.	2.3	61
100	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.	2.3	20
101	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.	3.9	47
102	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.	1.8	18
103	In-Situ Deposition and Growth of Cu <sub>2</sub> ZnSnS <sub>4</sub> Nanocrystals on TiO <sub>2</sub> Nanorod Arrays for Enhanced Photoelectrochemical Performance. <i>Journal of the Electrochemical Society</i> , 2017, 164, H863-H871.	1.3	11
104	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.	2.8	34
105	Nanoheterostructure Engineering of CdS/PbS Quantum-Dot Co-Sensitized TiO <sub>2</sub> Nanorod Arrays for Enhanced Photoelectrochemical and Photocatalytic Properties. <i>Journal of the Electrochemical Society</i> , 2017, 164, H707-H713.	1.3	7
106	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.	4.2	25
107	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
108	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

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109	Seasonal variations of the water budget in typical grassland ecosystems in China. <i>Acta Ecologica Sinica</i> , 2016, 36, 301-310.	0.9	5
110	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.	1.5	35
111	Responses of greenhouse gas fluxes to climate extremes in a semiarid grassland. <i>Atmospheric Environment</i> , 2016, 142, 32-42.	1.9	49
112	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.	1.9	31
113	Effects of enclosure time on the community composition of methanotrophs in the soils of the Inner Mongolia grasslands. <i>Journal of Soils and Sediments</i> , 2016, 16, 1022-1031.	1.5	14
114	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.	2.6	22
115	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.	2.5	20
116	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.	2.3	30
117	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.	1.4	54
118	Synthesis Process of Amphoteric Polyacrylamide. <i>Asian Journal of Chemistry</i> , 2015, 27, 2369-2372.	0.1	0
119	Aerobic Methanotroph Diversity in Sanjiang Wetland, Northeast China. <i>Microbial Ecology</i> , 2015, 69, 567-576.	1.4	19
120	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.	1.9	75
121	Lagged climatic effects on carbon fluxes over three grassland ecosystems in China. <i>Journal of Plant Ecology</i> , 2015, 8, 291-302.	1.2	27
122	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
123	Soil N cycling processes in a pasture after the cessation of grazing and CO <sub>2</sub> enrichment. <i>Geoderma</i> , 2015, 259-260, 62-70.	2.3	14
124	A remote sensing model to estimate ecosystem respiration in Northern China and the Tibetan Plateau. <i>Ecological Modelling</i> , 2015, 304, 34-43.	1.2	25
125	Carbon accumulation and sequestration of lakes in China during the Holocene. <i>Global Change Biology</i> , 2015, 21, 4436-4448.	4.2	42
126	Influences of Land Use/Cover Types on Nitrous Oxide Emissions during Freeze-Thaw Periods from Waterlogged Soils in Inner Mongolia. <i>PLoS ONE</i> , 2015, 10, e0139316.	1.1	9



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127	Photo-Initiated Fabrication of Zwitterionic Polyacrylamide with Enhanced Flocculation Activity. Asian Journal of Chemistry, 2014, 26, 1352-1354.	0.1	1
128	Impacts of Diffuse Radiation on Light Use Efficiency across Terrestrial Ecosystems Based on Eddy Covariance Observation in China. PLoS ONE, 2014, 9, e110988.	1.1	16
129	Facile Synthesis of Ag/CeO <sub>2</sub> Mesoporous Composites with Enhanced Visible Light Photocatalytic Properties. Asian Journal of Chemistry, 2014, 26, 1355-1357.	0.1	4
130	Fabrication of New Cationic Polyacrylamide Flocculant Used for Treating Slime Water. Asian Journal of Chemistry, 2014, 26, 1349-1351.	0.1	3
131	Fabrication and Experimental Study on PAC/CMCS Composite Flocculant for Treating Domestic Wastewater. Asian Journal of Chemistry, 2014, 26, 3187-3190.	0.1	0
132	A MODIS-based Photosynthetic Capacity Model to estimate gross primary production in Northern China and the Tibetan Plateau. Remote Sensing of Environment, 2014, 148, 108-118.	4.6	52
133	Seasonal dynamics of water use efficiency of typical forest and grassland ecosystems in China. Journal of Forest Research, 2014, 19, 70-76.	0.7	55
134	Modeling Carbon Fluxes Using Multi-Temporal MODIS Imagery and CO <sub>2</sub> Eddy Flux Tower Data in Zoige Alpine Wetland, South-West China. Wetlands, 2014, 34, 603-618.	0.7	30
135	Responses of soil respiration and its components to drought stress. Journal of Soils and Sediments, 2014, 14, 99-109.	1.5	69
136	Soil methane uptake by grasslands and forests in China. Soil Biology and Biochemistry, 2014, 74, 70-81.	4.2	69
137	Controllable fabrication of superhydrophobic TiO <sub>2</sub> coating with improved transparency and thermostability. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2014, 441, 298-305.	2.3	35
138	Rate-specific responses of prokaryotic diversity and structure to nitrogen deposition in the Leymus chinensis steppe. Soil Biology and Biochemistry, 2014, 79, 81-90.	4.2	175
139	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. Soil Biology and Biochemistry, 2014, 69, 1-10.	4.2	66
140	The carbon stock of alpine peatlands on the Qinghai-Tibetan Plateau during the Holocene and their future fate. Quaternary Science Reviews, 2014, 95, 151-158.	1.4	118
141	Effects of grazing on CO <sub>2</sub> balance in a semiarid steppe: field observations and modeling. Journal of Soils and Sediments, 2013, 13, 1012-1023.	1.5	19
142	Facile preparation and adjustable thermal property of stearic acid-graphene oxide composite as shape-stabilized phase change material. Chemical Engineering Journal, 2013, 215-216, 819-826.	6.6	160
143	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?. Agriculture, Ecosystems and Environment, 2013, 171, 63-71.	2.5	37
144	Temperature and precipitation control of the spatial variation of terrestrial ecosystem carbon exchange in the Asian region. Agricultural and Forest Meteorology, 2013, 182-183, 266-276.	1.9	86

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