Shiping Chen

List of Publications by Year
in descending order

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32 papers	2,282 citations	257450 24 h-index	414414 32 g-index
32 all docs	32 docs citations	32 times ranked	3186 citing authors

#	Article	IF	Citations
1	Joint control of terrestrial gross primary productivity by plant phenology and physiology. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 2788-2793.	7.1	265
2	Carbon fluxes, evapotranspiration, and water use efficiency of terrestrial ecosystems in China. Agricultural and Forest Meteorology, 2013, 182-183, 76-90.	4.8	211
3	A general predictive model for estimating monthly ecosystem evapotranspiration. Ecohydrology, 2011, 4, 245-255.	2.4	195
4	Dependence of carbon sequestration on the differential responses of ecosystem photosynthesis and respiration to rain pulses in a semiarid steppe. Global Change Biology, 2009, 15, 2450-2461.	9.5	190
5	Comparing physiological responses of two dominant grass species to nitrogen addition in Xilin River Basin of China. Environmental and Experimental Botany, 2005, 53, 65-75.	4.2	140
6	Energy balance and partition in Inner Mongolia steppe ecosystems with different land use types. Agricultural and Forest Meteorology, 2009, 149, 1800-1809.	4.8	138
7	Differential responses of autoâ€•and heterotrophic soil respiration to water and nitrogen addition in a semiarid temperate steppe. Global Change Biology, 2010, 16, 2345-2357.	9.5	136
8	Water regulated effects of photosynthetic substrate supply on soil respiration in a semiarid steppe. Global Change Biology, 2011, 17, 1990-2001.	9.5	91
9	Exacerbated nitrogen limitation ends transient stimulation of grassland productivity by increased precipitation. Ecological Monographs, 2017, 87, 457-469.	5.4	87
10	Asymmetric sensitivity of ecosystem carbon and water processes in response to precipitation change in a semiâ€arid steppe. Functional Ecology, 2017, 31, 1301-1311.	3.6	84
11	Reduction of structural impacts and distinction of photosynthetic pathways in a global estimation of GPP from space-borne solar-induced chlorophyll fluorescence. Remote Sensing of Environment, 2020, 240, 111722.	11.0	83
12	Nonlinear responses of ecosystem carbon fluxes and waterâ€use efficiency to nitrogen addition in Inner Mongolia grassland. Functional Ecology, 2016, 30, 490-499.	3.6	75
13	Cultivation and grazing altered evapotranspiration and dynamics in Inner Mongolia steppes. Agricultural and Forest Meteorology, 2009, 149, 1810-1819.	4.8	73
14	Poplar plantation has the potential to alter the water balance in semiarid Inner Mongolia. Journal of Environmental Management, 2009, 90, 2762-2770.	7.8	64
15	Changing precipitation exerts greater influence on soil heterotrophic than autotrophic respiration in a semiarid steppe. Agricultural and Forest Meteorology, 2019, 271, 413-421.	4.8	56
16	Spatial variability in soil heat flux at three Inner Mongolia steppe ecosystems. Agricultural and Forest Meteorology, 2008, 148, 1433-1443.	4.8	45
17	Increasing water and nitrogen availability enhanced net ecosystem CO2 assimilation of a temperate semiarid steppe. Plant and Soil, 2011, 349, 227-240.	3.7	42
18	Net ecosystem productivity of temperate grasslands in northern China: An upscaling study. Agricultural and Forest Meteorology, 2014, 184, 71-81.	4.8	42

#	Article	IF	Citations
19	Precipitation Regime Shift Enhanced the Rain Pulse Effect on Soil Respiration in a Semi-Arid Steppe. PLoS ONE, 2014, 9, e104217.	2.5	41
20	A Comparison of Satellite-Derived Vegetation Indices for Approximating Gross Primary Productivity of Grasslands. Rangeland Ecology and Management, 2014, 67, 9-18.	2.3	30
21	Simulated rain addition modifies diurnal patterns and temperature sensitivities of autotrophic and heterotrophic soil respiration in an arid desert ecosystem. Soil Biology and Biochemistry, 2015, 82, 143-152.	8.8	28
22	Modelling gross primary production in semi-arid Inner Mongolia using MODIS imagery and eddy covariance data. International Journal of Remote Sensing, 2013, 34, 2829-2857.	2.9	26
23	Satellite-Based Analysis of Evapotranspiration and Water Balance in the Grassland Ecosystems of Dryland East Asia. PLoS ONE, 2014, 9, e97295.	2.5	26
24	Contrasting the Performance of Eight Satellite-Based GPP Models in Water-Limited and Temperature-Limited Grassland Ecosystems. Remote Sensing, 2019, 11, 1333.	4.0	25
25	Contrasting diel hysteresis between soil autotrophic and heterotrophic respiration in a desert ecosystem under different rainfall scenarios. Scientific Reports, 2015, 5, 16779.	3.3	19
26	Water and nitrogen availability co-control ecosystem CO2 exchange in a semiarid temperate steppe. Scientific Reports, 2015, 5, 15549.	3.3	18
27	Resistance and resilience of grasslands to drought detected by SIF in inner Mongolia, China. Agricultural and Forest Meteorology, 2021, 308-309, 108567.	4.8	15
28	The effects of grazing and watering on ecosystem CO2 fluxes vary by community phenology. Environmental Research, 2016, 144, 64-71.	7.5	11
29	Attribute parameter characterized the seasonal variation of gross primary productivity (Î±GPP): Spatiotemporal variation and influencing factors. Agricultural and Forest Meteorology, 2020, 280, 107774.	4.8	9
30	Soil moisture, temperature and nitrogen availability interactively regulate carbon exchange in a meadow steppe ecosystem. Agricultural and Forest Meteorology, 2021, 304-305, 108389.	4.8	8
31	Nitrogen addition amplified water effects on species composition shift and productivity increase. Journal of Plant Ecology, 2021, 14, 816-828.	2.3	7
32	Evaluating the influences of measurement time and frequency on soil respiration in a semiarid temperate grassland. Science Bulletin, 2014, 59, 2726-2730.	1.7	2