

Jiangzhou Xia

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

1,462
citations

361413

20
h-index

526287

27
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all docs

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docs citations

27
times ranked

2347
citing authors

#	ARTICLE	IF	CITATIONS
1	Global comparison of light use efficiency models for simulating terrestrial vegetation gross primary production based on the LaThuile database. <i>Agricultural and Forest Meteorology</i> , 2014, 192-193, 108-120.	4.8	220
2	Comparison of satellite-based evapotranspiration models over terrestrial ecosystems in China. <i>Remote Sensing of Environment</i> , 2014, 140, 279-293.	11.0	217
3	The contribution of China's Grain to Green Program to carbon sequestration. <i>Landscape Ecology</i> , 2014, 29, 1675-1688.	4.2	94
4	Multiyear precipitation reduction strongly decreases carbon uptake over northern China. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2014, 119, 881-896.	3.0	79
5	Estimation of gross primary production over the terrestrial ecosystems in China. <i>Ecological Modelling</i> , 2013, 261-262, 80-92.	2.5	66
6	Spatio-Temporal Patterns and Climate Variables Controlling of Biomass Carbon Stock of Global Grassland Ecosystems from 1982 to 2006. <i>Remote Sensing</i> , 2014, 6, 1783-1802.	4.0	64
7	A meta-analysis of the response of soil moisture to experimental warming. <i>Environmental Research Letters</i> , 2013, 8, 044027.	5.2	61
8	Improved estimations of gross primary production using satellite-derived photosynthetically active radiation. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2014, 119, 110-123.	3.0	60
9	Estimates of grassland biomass and turnover time on the Tibetan Plateau. <i>Environmental Research Letters</i> , 2018, 13, 014020.	5.2	59
10	Using Bayesian model averaging to estimate terrestrial evapotranspiration in China. <i>Journal of Hydrology</i> , 2015, 528, 537-549.	5.4	57
11	Adaptive Carbon Allocation by Plants Enhances the Terrestrial Carbon Sink. <i>Scientific Reports</i> , 2017, 7, 3341.	3.3	55
12	Estimating crop yield using a satellite-based light use efficiency model. <i>Ecological Indicators</i> , 2016, 60, 702-709.	6.3	52
13	Validation of China-wide interpolated daily climate variables from 1960 to 2011. <i>Theoretical and Applied Climatology</i> , 2015, 119, 689-700.	2.8	48
14	Characterization of locations and extents of afforestation from the Grain for Green Project in China. <i>Remote Sensing Letters</i> , 2014, 5, 221-229.	1.4	42
15	Vegetation-specific model parameters are not required for estimating gross primary production. <i>Ecological Modelling</i> , 2014, 292, 1-10.	2.5	37
16	Global Patterns in Net Primary Production Allocation Regulated by Environmental Conditions and Forest Stand Age: A Model-Data Comparison. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2019, 124, 2039-2059.	3.0	30
17	Influence of Vegetation Growth on the Enhanced Seasonality of Atmospheric CO ₂ . <i>Global Biogeochemical Cycles</i> , 2018, 32, 32-41.	4.9	29
18	Satellite-Based Analysis of Evapotranspiration and Water Balance in the Grassland Ecosystems of Dryland East Asia. <i>PLoS ONE</i> , 2014, 9, e97295.	2.5	26

#	ARTICLE	IF	CITATIONS
19	Assessment of multiple precipitation products over major river basins of China. Theoretical and Applied Climatology, 2016, 123, 11-22.	2.8	25
20	Loess Plateau check dams can potentially sequester eroded soil organic carbon. Journal of Geophysical Research G: Biogeosciences, 2016, 121, 1449-1455.	3.0	24
21	Global simulations of carbon allocation coefficients for deciduous vegetation types. Tellus, Series B: Chemical and Physical Meteorology, 2022, 67, 28016.	1.6	20
22	Climate change and consequences on the water cycle in the humid Xiangjiang River Basin, China. Stochastic Environmental Research and Risk Assessment, 2016, 30, 225-235.	4.0	19
23	Global patterns of leaf construction traits and their covariation along climate and soil environmental gradients. New Phytologist, 2021, 232, 1648-1660.	7.3	18
24	Contrasting effects of NH ₄ ⁺ and NO ₃ ⁻ amendments on amount and chemical characteristics of different density organic matter fractions in a boreal forest soil. Geoderma, 2017, 293, 1-9.	5.1	17
25	Spatial patterns of soil and ecosystem respiration regulated by biological and environmental variables along a precipitation gradient in semi-arid grasslands in China. Ecological Research, 2016, 31, 505-513.	1.5	16
26	Using the green purchase method to help farmers escape the poverty trap in semiarid China. Agronomy for Sustainable Development, 2017, 37, 1.	5.3	16
27	Global Validation of a Process-Based Model on Vegetation Gross Primary Production Using Eddy Covariance Observations. PLoS ONE, 2014, 9, e110407.	2.5	11