

Xiaocui Wu

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

1,669
citations

331670

21
h-index

395702

33
g-index

33
all docs

33
docs citations

33
times ranked

2372
citing authors

#	ARTICLE	IF	CITATIONS
1	A global moderate resolution dataset of gross primary production of vegetation for 2000–2016. <i>Scientific Data</i> , 2017, 4, 170165.	5.3	335
2	Carbon loss from forest degradation exceeds that from deforestation in the Brazilian Amazon. <i>Nature Climate Change</i> , 2021, 11, 442-448.	18.8	166
3	Mapping sugarcane plantation dynamics in Guangxi, China, by time series Sentinel-1, Sentinel-2 and Landsat images. <i>Remote Sensing of Environment</i> , 2020, 247, 111951.	11.0	105
4	Large increases of paddy rice area, gross primary production, and grain production in Northeast China during 2000–2017. <i>Science of the Total Environment</i> , 2020, 711, 135183.	8.0	104
5	Satellite-derived LAI products exhibit large discrepancies and can lead to substantial uncertainty in simulated carbon and water fluxes. <i>Remote Sensing of Environment</i> , 2018, 206, 174-188.	11.0	98
6	Global parameterization and validation of a two-leaf light use efficiency model for predicting gross primary production across FLUXNET sites. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2016, 121, 1045-1072.	3.0	93
7	Regional Crop Gross Primary Productivity and Yield Estimation Using Fused Landsat-MODIS Data. <i>Remote Sensing</i> , 2018, 10, 372.	4.0	92
8	TROPOMI reveals dry-season increase of solar-induced chlorophyll fluorescence in the Amazon forest. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 22393-22398.	7.1	78
9	Improved estimates of forest cover and loss in the Brazilian Amazon in 2000–2017. <i>Nature Sustainability</i> , 2019, 2, 764-772.	23.7	71
10	Precipitation and carbon-water coupling jointly control the interannual variability of global land gross primary production. <i>Scientific Reports</i> , 2016, 6, 39748.	3.3	57
11	Spatio-temporal Convergence of Maximum Daily Light Use Efficiency Based on Radiation Absorption by Canopy Chlorophyll. <i>Geophysical Research Letters</i> , 2018, 45, 3508-3519.	4.0	48
12	Quantifying annual changes in built-up area in complex urban-rural landscapes from analyses of PALSAR and Landsat images. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2017, 124, 89-105.	11.1	42
13	Responses of gross primary production of grasslands and croplands under drought, pluvial, and irrigation conditions during 2010–2016, Oklahoma, USA. <i>Agricultural Water Management</i> , 2018, 204, 47-59.	5.6	38
14	Large-scale Droughts Responsible for Dramatic Reductions of Terrestrial Net Carbon Uptake Over North America in 2011 and 2012. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2018, 123, 2053-2071.	3.0	35
15	Temporal consistency between gross primary production and solar-induced chlorophyll fluorescence in the ten most populous megacity areas over years. <i>Scientific Reports</i> , 2017, 7, 14963.	3.3	30
16	Spatiotemporal Consistency of Four Gross Primary Production Products and Solar-induced Chlorophyll Fluorescence in Response to Climate Extremes Across CONUS in 2012. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2018, 123, 3140-3161.	3.0	30
17	Large loss and rapid recovery of vegetation cover and aboveground biomass over forest areas in Australia during 2019–2020. <i>Remote Sensing of Environment</i> , 2022, 278, 113087.	11.0	26
18	Enhanced gross primary production and evapotranspiration in juniper-encroached grasslands. <i>Global Change Biology</i> , 2018, 24, 5655-5667.	9.5	25

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19	Performance of Linear and Nonlinear Two-Leaf Light Use Efficiency Models at Different Temporal Scales. <i>Remote Sensing</i> , 2015, 7, 2238-2278.	4.0	23
20	Dynamical Downscaling of CO ₂ in 2016 Over the Contiguous United States Using WRFâ€VPRM, a Weatherâ€Biosphereâ€Onlineâ€Coupled Model. <i>Journal of Advances in Modeling Earth Systems</i> , 2020, 12, e2019MS001875.	3.8	21
21	Small anomalies in dry-season greenness and chlorophyll fluorescence for Amazon moist tropical forests during El NiÃ±o and La NiÃ±a. <i>Remote Sensing of Environment</i> , 2021, 253, 112196.	11.0	21
22	Globalâ€Scale Consistency of Spaceborne Vegetation Indices, Chlorophyll Fluorescence, and Photosynthesis. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2021, 126, e2020JG006136.	3.0	21
23	Large spatial variation and stagnation of cropland gross primary production increases the challenges of sustainable grain production and food security in China. <i>Science of the Total Environment</i> , 2022, 811, 151408.	8.0	17
24	Assimilating remote sensing-based VPM GPP into the WOFOST model for improving regional winter wheat yield estimation. <i>European Journal of Agronomy</i> , 2022, 139, 126556.	4.1	17
25	Estimating site-specific optimum air temperature and assessing its effect on the photosynthesis of grasslands in mid- to high-latitudes. <i>Environmental Research Letters</i> , 2020, 15, 034064.	5.2	16
26	Modeling the Effects of Global and Diffuse Radiation on Terrestrial Gross Primary Productivity in China Based on a Two-Leaf Light Use Efficiency Model. <i>Remote Sensing</i> , 2020, 12, 3355.	4.0	12
27	Spatial-temporal dynamics of maize and soybean planted area, harvested area, gross primary production, and grain production in the Contiguous United States during 2008-2018. <i>Agricultural and Forest Meteorology</i> , 2021, 297, 108240.	4.8	12
28	Peak growing season patterns and climate extremes-driven responses of gross primary production estimated by satellite and process based models over North America. <i>Agricultural and Forest Meteorology</i> , 2021, 298-299, 108292.	4.8	12
29	Grassland Wildfires in the Southern Great Plains: Monitoring Ecological Impacts and Recovery. <i>Remote Sensing</i> , 2020, 12, 619.	4.0	9
30	Spatiotemporal Changes of Winter Wheat Planted and Harvested Areas, Photosynthesis and Grain Production in the Contiguous United States from 2008â€2018. <i>Remote Sensing</i> , 2021, 13, 1735.	4.0	6
31	Modeling Gross Primary Production for Sunlit and Shaded Canopies Across an Evergreen and a Deciduous Site in Canada. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2017, 55, 1859-1873.	6.3	5
32	Annual Maps of Forests in Australia from Analyses of Microwave and Optical Images with FAO Forest Definition. <i>Journal of Remote Sensing</i> , 2021, 2021, .	6.7	3