

Miaogen Shen

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

83

papers

3,996

citations

31

h-index

62

g-index

88

ext. papers

5,321

ext. citations

6.9

avg, IF

5.6

L-index

#	Paper	IF	Citations
83	Plant phenology and global climate change: Current progresses and challenges. <i>Global Change Biology</i> , 2019 , 25, 1922-1940	11.4	382
82	Influences of temperature and precipitation before the growing season on spring phenology in grasslands of the central and eastern Qinghai-Tibetan Plateau. <i>Agricultural and Forest Meteorology</i> , 2011 , 151, 1711-1722	5.8	279
81	Evaporative cooling over the Tibetan Plateau induced by vegetation growth. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 9299-304	11.5	270
80	Leaf onset in the northern hemisphere triggered by daytime temperature. <i>Nature Communications</i> , 2015 , 6, 6911	17.4	261
79	Precipitation impacts on vegetation spring phenology on the Tibetan Plateau. <i>Global Change Biology</i> , 2015 , 21, 3647-56	11.4	260
78	Increasing altitudinal gradient of spring vegetation phenology during the last decade on the Qinghai-Tibetan Plateau. <i>Agricultural and Forest Meteorology</i> , 2014 , 189-190, 71-80	5.8	236
77	Strong impacts of daily minimum temperature on the green-up date and summer greenness of the Tibetan Plateau. <i>Global Change Biology</i> , 2016 , 22, 3057-66	11.4	147
76	Emerging opportunities and challenges in phenology: a review. <i>Ecosphere</i> , 2016 , 7, e01436	3.1	144
75	Changes in autumn vegetation dormancy onset date and the climate controls across temperate ecosystems in China from 1982 to 2010. <i>Global Change Biology</i> , 2015 , 21, 652-65	11.4	123
74	Spatiotemporal pattern of gross primary productivity and its covariation with climate in China over the last thirty years. <i>Global Change Biology</i> , 2018 , 24, 184-196	11.4	110
73	A simple method to improve the quality of NDVI time-series data by integrating spatiotemporal information with the Savitzky-Golay filter. <i>Remote Sensing of Environment</i> , 2018 , 217, 244-257	13.2	103
72	Plant phenological responses to climate change on the Tibetan Plateau: research status and challenges. <i>National Science Review</i> , 2015 , 2, 454-467	10.8	99
71	No evidence of continuously advanced green-up dates in the Tibetan Plateau over the last decade. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, E2329	11.5	85
70	Estimating aboveground biomass of grassland having a high canopy cover: an exploratory analysis of in situ hyperspectral data. <i>International Journal of Remote Sensing</i> , 2009 , 30, 6497-6517	3.1	83
69	Contrasting responses of autumn-leaf senescence to daytime and night-time warming. <i>Nature Climate Change</i> , 2018 , 8, 1092-1096	21.4	80
68	An improved logistic method for detecting spring vegetation phenology in grasslands from MODIS EVI time-series data. <i>Agricultural and Forest Meteorology</i> , 2015 , 200, 9-20	5.8	73
67	Earlier-season vegetation has greater temperature sensitivity of spring phenology in northern hemisphere. <i>PLoS ONE</i> , 2014 , 9, e88178	3.7	72

66	Spring phenology was not consistently related to winter warming on the Tibetan Plateau. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, E91-2; author reply E95	11.5	68
65	Estimation of aboveground biomass using in situ hyperspectral measurements in five major grassland ecosystems on the Tibetan Plateau. <i>Journal of Plant Ecology</i> , 2008 , 1, 247-257	1.7	63
64	Varying responses of vegetation activity to climate changes on the Tibetan Plateau grassland. <i>International Journal of Biometeorology</i> , 2017 , 61, 1433-1444	3.7	62
63	The mixed pixel effect in land surface phenology: A simulation study. <i>Remote Sensing of Environment</i> , 2018 , 211, 338-344	13.2	56
62	Asymmetric sensitivity of first flowering date to warming and cooling in alpine plants. <i>Ecology</i> , 2014 , 95, 3387-3398	4.6	52
61	Can EVI-derived land-surface phenology be used as a surrogate for phenology of canopy photosynthesis?. <i>International Journal of Remote Sensing</i> , 2014 , 35, 1162-1174	3.1	39
60	Contrasting responses of grassland water and carbon exchanges to climate change between Tibetan Plateau and Inner Mongolia. <i>Agricultural and Forest Meteorology</i> , 2018 , 249, 163-175	5.8	38
59	Ecological change on the Tibetan Plateau. <i>Chinese Science Bulletin</i> , 2015 , 60, 3048-3056	2.9	38
58	Earlier vegetation green-up has reduced spring dust storms. <i>Scientific Reports</i> , 2014 , 4, 6749	4.9	37
57	Mismatch in elevational shifts between satellite observed vegetation greenness and temperature isolines during 2000-2016 on the Tibetan Plateau. <i>Global Change Biology</i> , 2018 , 24, 5411-5425	11.4	37
56	Estimating daily average surface air temperature using satellite land surface temperature and top-of-atmosphere radiation products over the Tibetan Plateau. <i>Remote Sensing of Environment</i> , 2019 , 234, 111462	13.2	36
55	Specification of thermal growing season in temperate China from 1960 to 2009. <i>Climatic Change</i> , 2012 , 114, 783-798	4.5	34
54	Little change in heat requirement for vegetation green-up on the Tibetan Plateau over the warming period of 1998-2012. <i>Agricultural and Forest Meteorology</i> , 2017 , 232, 650-658	5.8	33
53	Modeling vegetation green-up dates across the Tibetan Plateau by including both seasonal and daily temperature and precipitation. <i>Agricultural and Forest Meteorology</i> , 2018 , 249, 176-186	5.8	33
52	Grassland restoration reduces water yield in the headstream region of Yangtze River. <i>Scientific Reports</i> , 2017 , 7, 2162	4.9	31
51	Temperature sensitivity as an explanation of the latitudinal pattern of green-up date trend in Northern Hemisphere vegetation during 1982-2008. <i>International Journal of Climatology</i> , 2015 , 35, 3707-3712	3.5	31
50	Yellow flowers can decrease NDVI and EVI values: evidence from a field experiment in an alpine meadow. <i>Canadian Journal of Remote Sensing</i> , 2009 , 35, 99-106	1.8	29
49	Indicator of flower status derived from in situ hyperspectral measurement in an alpine meadow on the Tibetan Plateau. <i>Ecological Indicators</i> , 2009 , 9, 818-823	5.8	29

48	Growth response of alpine treeline forests to a warmer and drier climate on the southeastern Tibetan Plateau. <i>Agricultural and Forest Meteorology</i> , 2019 , 264, 73-79	5.8	27
47	Do flowers affect biomass estimate accuracy from NDVI and EVI?. <i>International Journal of Remote Sensing</i> , 2010 , 31, 2139-2149	3.1	25
46	Spatial variations in responses of vegetation autumn phenology to climate change on the Tibetan Plateau. <i>Journal of Plant Ecology</i> , 2016 , rtw084	1.7	25
45	A Simple Method for Detecting Phenological Change From Time Series of Vegetation Index. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2016 , 54, 3436-3449	8.1	21
44	Asymmetric Responses of the End of Growing Season to Daily Maximum and Minimum Temperatures on the Tibetan Plateau. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017 , 122, 13,278-13,287	4.4	21
43	Diurnal and seasonal variations in light-use efficiency in an alpine meadow ecosystem: causes and implications for remote sensing. <i>Journal of Plant Ecology</i> , 2009 , 2, 173-185	1.7	20
42	Coarse-Resolution Satellite Images Overestimate Urbanization Effects on Vegetation Spring Phenology. <i>Remote Sensing</i> , 2020 , 12, 117	5	19
41	Spatial variations in snow cover and seasonally frozen ground over northern China and Mongolia, 1988-2010. <i>Global and Planetary Change</i> , 2014 , 116, 139-148	4.2	18
40	Thick cloud removal in Landsat images based on autoregression of Landsat time-series data. <i>Remote Sensing of Environment</i> , 2020 , 249, 112001	13.2	18
39	Investigation of land surface phenology detections in shrublands using multiple scale satellite data. <i>Remote Sensing of Environment</i> , 2021 , 252, 112133	13.2	18
38	The occupation of cropland by global urban expansion from 1992 to 2016 and its implications. <i>Environmental Research Letters</i> , 2020 , 15, 084037	6.2	17
37	A semi-analytical snow-free vegetation index for improving estimation of plant phenology in tundra and grassland ecosystems. <i>Remote Sensing of Environment</i> , 2019 , 228, 31-44	13.2	15
36	Can changes in autumn phenology facilitate earlier green-up date of northern vegetation?. <i>Agricultural and Forest Meteorology</i> , 2020 , 291, 108077	5.8	15
35	Warming-induced unprecedented high-elevation forest growth over the monsoonal Tibetan Plateau. <i>Environmental Research Letters</i> , 2020 , 15, 054011	6.2	15
34	A New Cross-Fusion Method to Automatically Determine the Optimal Input Image Pairs for NDVI Spatiotemporal Data Fusion. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2020 , 58, 5179-5194	8.1	14
33	How Does Scale Effect Influence Spring Vegetation Phenology Estimated from Satellite-Derived Vegetation Indexes?. <i>Remote Sensing</i> , 2019 , 11, 2137	5	13
32	Summer Temperature over the Tibetan Plateau Modulated by Atlantic Multidecadal Variability. <i>Journal of Climate</i> , 2019 , 32, 4055-4067	4.4	13
31	Does any phenological event defined by remote sensing deserve particular attention? An examination of spring phenology of winter wheat in Northern China. <i>Ecological Indicators</i> , 2020 , 116, 106456	5.8	12

30	Impact of urban greenspace spatial pattern on land surface temperature: a case study in Beijing metropolitan area, China. <i>Landscape Ecology</i> , 2019 , 34, 2949-2961	4.3	12
29	Effect of pre-season diurnal temperature range on the start of vegetation growing season in the Northern Hemisphere. <i>Ecological Indicators</i> , 2020 , 112, 106161	5.8	9
28	The superiority of the normalized difference phenology index (NDPI) for estimating grassland aboveground fresh biomass. <i>Remote Sensing of Environment</i> , 2021 , 264, 112578	13.2	8
27	Prediction of future malaria hotspots under climate change in sub-Saharan Africa. <i>Climatic Change</i> , 2017 , 143, 415-428	4.5	7
26	Warming-induced shrubline advance stalled by moisture limitation on the Tibetan Plateau. <i>Ecography</i> ,	6.5	7
25	Improved Land Use and Leaf Area Index Enhances WRF-3DVAR Satellite Radiance Assimilation: A Case Study Focusing on Rainfall Simulation in the Shule River Basin during July 2013. <i>Advances in Atmospheric Sciences</i> , 2018 , 35, 628-644	2.9	6
24	A Novel Cloud Removal Method Based on IHOT and the Cloud Trajectories for Landsat Imagery. <i>Remote Sensing</i> , 2018 , 10, 1040	5	6
23	A simple method to simulate diurnal courses of PAR absorbed by grassy canopy. <i>Ecological Indicators</i> , 2014 , 46, 129-137	5.8	6
22	Practical image fusion method based on spectral mixture analysis. <i>Science China Information Sciences</i> , 2010 , 53, 1277-1286	3.4	6
21	No benefits from warming even for subnival vegetation in the central Himalayas. <i>Science Bulletin</i> , 2021 , 66, 1825-1829	10.6	6
20	Improving the accuracy of spring phenology detection by optimally smoothing satellite vegetation index time series based on local cloud frequency. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2021 , 180, 29-44	11.8	6
19	Uncertainty of Vegetation Green-Up Date Estimated from Vegetation Indices Due to Snowmelt at Northern Middle and High Latitudes. <i>Remote Sensing</i> , 2020 , 12, 190	5	5
18	Contrasting Effects of Temperature and Precipitation on Vegetation Greenness along Elevation Gradients of the Tibetan Plateau. <i>Remote Sensing</i> , 2020 , 12, 2751	5	5
17	An earlier start of the thermal growing season enhances tree growth in cold humid areas but not in dry areas.. <i>Nature Ecology and Evolution</i> , 2022 ,	12.3	5
16	Phylogenetic conservatism in heat requirement of leaf-out phenology, rather than temperature sensitivity, in Tibetan Plateau. <i>Agricultural and Forest Meteorology</i> , 2021 , 304-305, 108413	5.8	4
15	Warming and thawing in the Mt. Everest region: A review of climate and environmental changes. <i>Earth-Science Reviews</i> , 2022 , 225, 103911	10.2	3
14	Inconsistent changes in NPP and LAI determined from the parabolic LAI versus NPP relationship. <i>Ecological Indicators</i> , 2021 , 131, 108134	5.8	3
13	Spatial sampling inconsistency leads to differences in phenological sensitivity to warming between natural and experiment sites. <i>Science Bulletin</i> , 2019 , 64, 961-963	10.6	2

12	Precipitation dominants synergies and trade-offs among ecosystem services across the Qinghai-Tibet Plateau. <i>Global Ecology and Conservation</i> , 2021 , 32, e01886	2.8	2
11	Optimal Color Composition Method for Generating High-Quality Daily Photographic Time Series From PhenoCam. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2021 , 14, 6179-6193	4.7	2
10	Transformation of China's urbanization and eco-environment dynamics: an insight with location-based population-weighted indicators. <i>Environmental Science and Pollution Research</i> , 2021 , 28, 16558-16567	5.1	2
9	Greater temperature sensitivity of vegetation greenup onset date in areas with weaker temperature seasonality across the Northern Hemisphere. <i>Agricultural and Forest Meteorology</i> , 2022 , 313, 108759	5.8	1
8	Local Climatic Factors Mediated Impacts of Large-Scale Climate Oscillations on the Growth of Vegetation Across the Tibetan Plateau. <i>Frontiers in Environmental Science</i> , 2021 , 9,	4.8	1
7	Detecting crop phenology from vegetation index time-series data by improved shape model fitting in each phenological stage. <i>Remote Sensing of Environment</i> , 2022 , 277, 113060	13.2	1
6	Mapping the Distribution and Abundance of Flowering Plants Using Hyperspectral Sensing 2018 , 69-78		0
5	Limited increase in asynchrony between the onset of spring green-up and the arrival of a long-distance migratory bird. <i>Science of the Total Environment</i> , 2021 , 795, 148823	10.2	0
4	The majority of tree growth on the monsoonal Tibetan Plateau has benefited from recent summer warming. <i>Catena</i> , 2021 , 207, 105649	5.8	0
3	Increasing Interspecific Difference of Alpine Herb Phenology on the Eastern Qinghai-Tibet Plateau.. <i>Frontiers in Plant Science</i> , 2022 , 13, 844971	6.2	0
2	Characteristics of Greening along Altitudinal Gradients on the Qinghai-Tibet Plateau Based on Time-Series Landsat Images. <i>Remote Sensing</i> , 2022 , 14, 2408	5	0
1	NEW ALGORITHM FOR SPECTRAL MIXTURE ANALYSIS BASED ON FISHER DISCRIMINANT ANALYSIS: EVIDENCE FROM LABORATORY EXPERIMENT. <i>Hongwai Yu Haomibo Xuebao/Journal of Infrared and Millimeter Waves</i> , 2010 , 28, 476-480	0	