

Yongshuo H Fu

List of Publications by Year in Descending Order

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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.

76
papers

3,717
citations

29
h-index

60
g-index

88
ext. papers

5,334
ext. citations

9
avg, IF

5.67
L-index

#	Paper	IF	Citations
76	Comparison of Multi-Methods for Identifying Maize Phenology Using PhenoCams. <i>Remote Sensing</i> , 2022 , 14, 244	5	1
75	Contrasting phenology responses to climate warming across the northern extra-tropics. <i>Fundamental Research</i> , 2022 ,		1
74	The sensitivity of ginkgo leaf unfolding to the temperature and photoperiod decreases with increasing elevation. <i>Agricultural and Forest Meteorology</i> , 2022 , 315, 108840	5.8	1
73	Higher temperature sensitivity of flowering than leaf-out alters the time between phenophases across temperate tree species. <i>Global Ecology and Biogeography</i> , 2022 , 31, 901-911	6.1	1
72	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
71	Machine Learning-Based Approaches for Predicting SPAD Values of Maize Using Multi-Spectral Images. <i>Remote Sensing</i> , 2022 , 14, 1337	5	9
70	Increasing terrestrial ecosystem carbon release in response to autumn cooling and warming. <i>Nature Climate Change</i> , 2022 , 12, 380-385	21.4	2
69	Climate warming shifts the time interval between flowering and leaf unfolding depending on the warming period.. <i>Science China Life Sciences</i> , 2022 , 1	8.5	1
68	Influences of Shifted Vegetation Phenology on Runoff Across a Hydroclimatic Gradient.. <i>Frontiers in Plant Science</i> , 2021 , 12, 802664	6.2	1
67	Photoperiod decelerates the advance of spring phenology of six deciduous tree species under climate warming. <i>Global Change Biology</i> , 2021 , 27, 2914-2927	11.4	5
66	Divergent responses of phenology and growth to summer and autumnal warming. <i>Global Change Biology</i> , 2021 , 27, 2905-2913	11.4	1
65	Widespread decline in winds delayed autumn foliar senescence over high latitudes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	14
64	Integrating Spectral and Textural Information for Monitoring the Growth of Pear Trees Using Optical Images from the UAV Platform. <i>Remote Sensing</i> , 2021 , 13, 1795	5	7
63	Integrated phenology and climate in rice yields prediction using machine learning methods. <i>Ecological Indicators</i> , 2021 , 120, 106935	5.8	40
62	Global warming increases latitudinal divergence in flowering dates of a perennial herb in humid regions across eastern Asia. <i>Agricultural and Forest Meteorology</i> , 2021 , 296, 108209	5.8	4
61	Diverging models introduce large uncertainty in future climate warming impact on spring phenology of temperate deciduous trees. <i>Science of the Total Environment</i> , 2021 , 757, 143903	10.2	3
60	Decreasing control of precipitation on grassland spring phenology in temperate China. <i>Global Ecology and Biogeography</i> , 2021 , 30, 490-499	6.1	15

59	Increasing importance of precipitation in spring phenology with decreasing latitudes in subtropical forest area in China. <i>Agricultural and Forest Meteorology</i> , 2021 , 304-305, 108427	5.8	7
58	Impact of microclimatic conditions and resource availability on spring and autumn phenology of temperate tree seedlings. <i>New Phytologist</i> , 2021 , 232, 537-550	9.8	9
57	Atmospheric brightening counteracts warming-induced delays in autumn phenology of temperate trees in Europe. <i>Global Ecology and Biogeography</i> , 2021 , 30, 2477	6.1	7
56	Integrating spectral and textural information for identifying the tasseling date of summer maize using UAV based RGB images. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2021 , 102, 102435	7.3	8
55	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
54	Progress in plant phenology modeling under global climate change. <i>Science China Earth Sciences</i> , 2020 , 63, 1237-1247	4.6	14
53	INVEST Model-Based Estimation of Water Yield in North China and Its Sensitivities to Climate Variables. <i>Water (Switzerland)</i> , 2020 , 12, 1692	3	14
52	Soil thawing regulates the spring growth onset in tundra and alpine biomes. <i>Science of the Total Environment</i> , 2020 , 742, 140637	10.2	5
51	Modeling leaf senescence of deciduous tree species in Europe. <i>Global Change Biology</i> , 2020 , 26, 4104-4118	11.4	17
50	Extended growing season reduced river runoff in Luanhe River basin. <i>Journal of Hydrology</i> , 2020 , 582, 124538	6	13
49	Legacy effect of spring phenology on vegetation growth in temperate China. <i>Agricultural and Forest Meteorology</i> , 2020 , 281, 107845	5.8	33
48	Modified Red Blue Vegetation Index for Chlorophyll Estimation and Yield Prediction of Maize from Visible Images Captured by UAV. <i>Sensors</i> , 2020 , 20,	3.8	21
47	Overestimation of the effect of climatic warming on spring phenology due to misrepresentation of chilling. <i>Nature Communications</i> , 2020 , 11, 4945	17.4	24
46	Flowering phenology of a widespread perennial herb shows contrasting responses to global warming between humid and non-humid regions. <i>Functional Ecology</i> , 2020 , 34, 1870-1881	5.6	14
45	Climate warming increases spring phenological differences among temperate trees. <i>Global Change Biology</i> , 2020 , 26, 5979-5987	11.4	18
44	Scaling Effects on Chlorophyll Content Estimations with RGB Camera Mounted on a UAV Platform Using Machine-Learning Methods. <i>Sensors</i> , 2020 , 20,	3.8	19
43	Impacts of Climate and Phenology on the Yields of Early Mature Rice in China. <i>Sustainability</i> , 2020 , 12, 10133	3.6	3
42	Integrating satellite observations and human water use data to estimate changes in key components of terrestrial water storage in a semi-arid region of North China. <i>Science of the Total Environment</i> , 2020 , 698, 134171	10.2	4

41	Response of Vegetation to Changes in Temperature and Precipitation at a Semi-Arid Area of Northern China Based on Multi-Statistical Methods. <i>Forests</i> , 2020 , 11, 340	2.8	8
40	Different determinants of radiation use efficiency in cold and temperate forests. <i>Global Ecology and Biogeography</i> , 2019 , 28, 1649-1667	6.1	4
39	Climatic Warming Increases Spatial Synchrony in Spring Vegetation Phenology Across the Northern Hemisphere. <i>Geophysical Research Letters</i> , 2019 , 46, 1641-1650	4.9	18
38	Urban-rural gradients reveal joint control of elevated CO and temperature on extended photosynthetic seasons. <i>Nature Ecology and Evolution</i> , 2019 , 3, 1076-1085	12.3	43
37	Spatial heterogeneity of changes in vegetation growth and their driving forces based on satellite observations of the Yarlung Zangbo River Basin in the Tibetan Plateau. <i>Journal of Hydrology</i> , 2019 , 574, 324-332	6	30
36	Nutrient availability alters the correlation between spring leaf-out and autumn leaf senescence dates. <i>Tree Physiology</i> , 2019 , 39, 1277-1284	4.2	16
35	Plant phenology and global climate change: Current progresses and challenges. <i>Global Change Biology</i> , 2019 , 25, 1922-1940	11.4	382
34	Daylength helps temperate deciduous trees to leaf-out at the optimal time. <i>Global Change Biology</i> , 2019 , 25, 2410-2418	11.4	50
33	Divergent changes in the elevational gradient of vegetation activities over the last 30 years. <i>Nature Communications</i> , 2019 , 10, 2970	17.4	59
32	Shortened temperature-relevant period of spring leaf-out in temperate-zone trees. <i>Global Change Biology</i> , 2019 , 25, 4282-4290	11.4	12
31	Short photoperiod reduces the temperature sensitivity of leaf-out in saplings of <i>Fagus sylvatica</i> but not in horse chestnut. <i>Global Change Biology</i> , 2019 , 25, 1696-1703	11.4	32
30	Spatial variance of spring phenology in temperate deciduous forests is constrained by background climatic conditions. <i>Nature Communications</i> , 2019 , 10, 5388	17.4	24
29	Modelling leaf coloration dates over temperate China by considering effects of leafy season climate. <i>Ecological Modelling</i> , 2019 , 394, 34-43	3	12
28	Experiments Are Necessary in Process-Based Tree Phenology Modelling. <i>Trends in Plant Science</i> , 2019 , 24, 199-209	13.1	46
27	Extension of the growing season increases vegetation exposure to frost. <i>Nature Communications</i> , 2018 , 9, 426	17.4	106
26	Global warming leads to more uniform spring phenology across elevations. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 1004-1008	11.5	140
25	Simulating the onset of spring vegetation growth across the Northern Hemisphere. <i>Global Change Biology</i> , 2018 , 24, 1342-1356	11.4	25
24	Larger temperature response of autumn leaf senescence than spring leaf-out phenology. <i>Global Change Biology</i> , 2018 , 24, 2159-2168	11.4	62

23	Contrasting responses of autumn-leaf senescence to daytime and night-time warming. <i>Nature Climate Change</i> , 2018 , 8, 1092-1096	21.4	80
22	Calibrating a hydrological model in a regional river of the Qinghai-Tibet plateau using river water width determined from high spatial resolution satellite images. <i>Remote Sensing of Environment</i> , 2018 , 214, 100-114	13.2	24
21	Phenological responses of Icelandic subarctic grasslands to short-term and long-term natural soil warming. <i>Global Change Biology</i> , 2017 , 23, 4932-4945	11.4	26
20	Asymmetric effects of cooler and warmer winters on beech phenology last beyond spring. <i>Global Change Biology</i> , 2017 , 23, 4569-4580	11.4	25
19	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
18	Three times greater weight of daytime than of night-time temperature on leaf unfolding phenology in temperate trees. <i>New Phytologist</i> , 2016 , 212, 590-597	9.8	52
17	Temperature, precipitation, and insolation effects on autumn vegetation phenology in temperate China. <i>Global Change Biology</i> , 2016 , 22, 644-55	11.4	184
16	Delayed autumn phenology in the Northern Hemisphere is related to change in both climate and spring phenology. <i>Global Change Biology</i> , 2016 , 22, 3702-3711	11.4	199
15	Matching the phenology of Net Ecosystem Exchange and vegetation indices estimated with MODIS and FLUXNET in-situ observations. <i>Remote Sensing of Environment</i> , 2016 , 174, 290-300	13.2	62
14	Timing of rice maturity in China is affected more by transplanting date than by climate change. <i>Agricultural and Forest Meteorology</i> , 2016 , 216, 215-220	5.8	31
13	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
12	Long-term linear trends mask phenological shifts. <i>International Journal of Biometeorology</i> , 2016 , 60, 1613-16134	11.4	147
11	Increased heat requirement for leaf flushing in temperate woody species over 1980-2012: effects of chilling, precipitation and insolation. <i>Global Change Biology</i> , 2015 , 21, 2687-2697	11.4	103
10	Leaf onset in the northern hemisphere triggered by daytime temperature. <i>Nature Communications</i> , 2015 , 6, 6911	17.4	261
9	Declining global warming effects on the phenology of spring leaf unfolding. <i>Nature</i> , 2015 , 526, 104-7	50.4	409
8	Unexpected role of winter precipitation in determining heat requirement for spring vegetation green-up at northern middle and high latitudes. <i>Global Change Biology</i> , 2014 , 20, 3743-55	11.4	122
7	Recent spring phenology shifts in western Central Europe based on multiscale observations. <i>Global Ecology and Biogeography</i> , 2014 , 23, 1255-1263	6.1	143
6	Variation in leaf flushing date influences autumnal senescence and next year's flushing date in two temperate tree species. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 7355-60	11.5	178

5	Sensitivity of leaf unfolding to experimental warming in three temperate tree species. <i>Agricultural and Forest Meteorology</i> , 2013 , 181, 125-132	5.8	60
4	Bayesian comparison of six different temperature-based budburst models for four temperate tree species. <i>Ecological Modelling</i> , 2012 , 230, 92-100	3	61
3	Bayesian calibration of the Unified budburst model in six temperate tree species. <i>International Journal of Biometeorology</i> , 2012 , 56, 153-64	3.7	16
2	The impact of winter and spring temperatures on temperate tree budburst dates: results from an experimental climate manipulation. <i>PLoS ONE</i> , 2012 , 7, e47324	3.7	66
1	Desert disturbance assessments of regional oil exploitation by Aster and ETM+ images in Taklimakan Desert China. <i>Environmental Monitoring and Assessment</i> , 2008 , 144, 159-68	3.1	3