Yongshuo H Fu

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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	Declining global warming effects on the phenology of spring leaf unfolding. *Nature*, **2015**, 526, 104-7	50.4	409
75	Plant phenology and global climate change: Current progresses and challenges. *Global Change Biology*, **2019**, 25, 1922-1940	11.4	382
74	Leaf onset in the northern hemisphere triggered by daytime temperature. *Nature Communications*, **2015**, 6, 6911	17.4	261
73	Delayed autumn phenology in the Northern Hemisphere is related to change in both climate and spring phenology. *Global Change Biology*, **2016**, 22, 3702-3711	11.4	199
72	Temperature, precipitation, and insolation effects on autumn vegetation phenology in temperate China. *Global Change Biology*, **2016**, 22, 644-55	11.4	184
71	Variation in leaf flushing date influences autumnal senescence and next year's flushing date in two temperate tree species. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, 7355-60	11.5	178
70	Strong impacts of daily minimum temperature on the green-up date and summer greenness of the Tibetan Plateau. *Global Change Biology*, **2016**, 22, 3057-66	11.4	147
69	Recent spring phenology shifts in western Central Europe based on multiscale observations. *Global Ecology and Biogeography*, **2014**, 23, 1255-1263	6.1	143
68	Global warming leads to more uniform spring phenology across elevations. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, 1004-1008	11.5	140
67	Unexpected role of winter precipitation in determining heat requirement for spring vegetation green-up at northern middle and high latitudes. *Global Change Biology*, **2014**, 20, 3743-55	11.4	122
66	Extension of the growing season increases vegetation exposure to frost. *Nature Communications*, **2018**, 9, 426	17.4	106
65	Increased heat requirement for leaf flushing in temperate woody species over 1980-2012: effects of chilling, precipitation and insolation. *Global Change Biology*, **2015**, 21, 2687-2697	11.4	103
64	Contrasting responses of autumn-leaf senescence to daytime and night-time warming. *Nature Climate Change*, **2018**, 8, 1092-1096	21.4	80
63	The impact of winter and spring temperatures on temperate tree budburst dates: results from an experimental climate manipulation. *PLoS ONE*, **2012**, 7, e47324	3.7	66
62	Matching the phenology of Net Ecosystem Exchange and vegetation indices estimated with MODIS and FLUXNET in-situ observations. *Remote Sensing of Environment*, **2016**, 174, 290-300	13.2	62
61	Larger temperature response of autumn leaf senescence than spring leaf-out phenology. *Global Change Biology*, **2018**, 24, 2159-2168	11.4	62
60	Bayesian comparison of six different temperature-based budburst models for four temperate tree species. *Ecological Modelling*, **2012**, 230, 92-100	3	61

59	Sensitivity of leaf unfolding to experimental warming in three temperate tree species. *Agricultural and Forest Meteorology*, **2013**, 181, 125-132	5.8	60
58	Divergent changes in the elevational gradient of vegetation activities over the last 30 years. *Nature Communications*, **2019**, 10, 2970	17.4	59
57	Three times greater weight of daytime than of night-time temperature on leaf unfolding phenology in temperate trees. *New Phytologist*, **2016**, 212, 590-597	9.8	52
56	Daylength helps temperate deciduous trees to leaf-out at the optimal time. *Global Change Biology*, **2019**, 25, 2410-2418	11.4	50
55	Experiments Are Necessary in Process-Based Tree Phenology Modelling. *Trends in Plant Science*, **2019**, 24, 199-209	13.1	46
54	Urban-rural gradients reveal joint control of elevated CO and temperature on extended photosynthetic seasons. *Nature Ecology and Evolution*, **2019**, 3, 1076-1085	12.3	43
53	Integrated phenology and climate in rice yields prediction using machine learning methods. *Ecological Indicators*, **2021**, 120, 106935	5.8	40
52	Little change in heat requirement for vegetation green-up on the Tibetan Plateau over the warming period of 1998–2012. *Agricultural and Forest Meteorology*, **2017**, 232, 650-658	5.8	33
51	Legacy effect of spring phenology on vegetation growth in temperate China. *Agricultural and Forest Meteorology*, **2020**, 281, 107845	5.8	33
50	Short photoperiod reduces the temperature sensitivity of leaf-out in saplings of Fagus sylvatica but not in horse chestnut. *Global Change Biology*, **2019**, 25, 1696-1703	11.4	32
49	Timing of rice maturity in China is affected more by transplanting date than by climate change. *Agricultural and Forest Meteorology*, **2016**, 216, 215-220	5.8	31
48	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. *Journal of Hydrology*, **2019**, 574, 324-332	6	30
47	Phenological responses of Icelandic subarctic grasslands to short-term and long-term natural soil warming. *Global Change Biology*, **2017**, 23, 4932-4945	11.4	26
46	Asymmetric effects of cooler and warmer winters on beech phenology last beyond spring. *Global Change Biology*, **2017**, 23, 4569-4580	11.4	25
45	Simulating the onset of spring vegetation growth across the Northern Hemisphere. *Global Change Biology*, **2018**, 24, 1342-1356	11.4	25
44	Overestimation of the effect of climatic warming on spring phenology due to misrepresentation of chilling. *Nature Communications*, **2020**, 11, 4945	17.4	24
43	Spatial variance of spring phenology in temperate deciduous forests is constrained by background climatic conditions. *Nature Communications*, **2019**, 10, 5388	17.4	24
42	Calibrating a hydrological model in a regional river of the Qinghai–Tibet plateau using river water width determined from high spatial resolution satellite images. *Remote Sensing of Environment*, **2018**, 214, 100-114	13.2	24

41	Modified Red Blue Vegetation Index for Chlorophyll Estimation and Yield Prediction of Maize from Visible Images Captured by UAV. *Sensors*, **2020**, 20,	3.8	21
40	Scaling Effects on Chlorophyll Content Estimations with RGB Camera Mounted on a UAV Platform Using Machine-Learning Methods. *Sensors*, **2020**, 20,	3.8	19
39	Climatic Warming Increases Spatial Synchrony in Spring Vegetation Phenology Across the Northern Hemisphere. *Geophysical Research Letters*, **2019**, 46, 1641-1650	4.9	18
38	Climate warming increases spring phenological differences among temperate trees. *Global Change Biology*, **2020**, 26, 5979-5987	11.4	18
37	Modeling leaf senescence of deciduous tree species in Europe. *Global Change Biology*, **2020**, 26, 4104-4118	11.4	17
36	Nutrient availability alters the correlation between spring leaf-out and autumn leaf senescence dates. *Tree Physiology*, **2019**, 39, 1277-1284	4.2	16
35	Bayesian calibration of the Unified budburst model in six temperate tree species. *International Journal of Biometeorology*, **2012**, 56, 153-64	3.7	16
34	Can changes in autumn phenology facilitate earlier green-up date of northern vegetation?. *Agricultural and Forest Meteorology*, **2020**, 291, 108077	5.8	15
33	Decreasing control of precipitation on grassland spring phenology in temperate China. *Global Ecology and Biogeography*, **2021**, 30, 490-499	6.1	15
32	Progress in plant phenology modeling under global climate change. *Science China Earth Sciences*, **2020**, 63, 1237-1247	4.6	14
31	InVEST Model-Based Estimation of Water Yield in North China and Its Sensitivities to Climate Variables. *Water (Switzerland)*, **2020**, 12, 1692	3	14
30	Flowering phenology of a widespread perennial herb shows contrasting responses to global warming between humid and non-humid regions. *Functional Ecology*, **2020**, 34, 1870-1881	5.6	14
29	Widespread decline in winds delayed autumn foliar senescence over high latitudes. *Proceedings of the National Academy of Sciences of the United States of America*, **2021**, 118,	11.5	14
28	Extended growing season reduced river runoff in Luanhe River basin. *Journal of Hydrology*, **2020**, 582, 124538	6	13
27	Shortened temperature-relevant period of spring leaf-out in temperate-zone trees. *Global Change Biology*, **2019**, 25, 4282-4290	11.4	12
26	Modelling leaf coloration dates over temperate China by considering effects of leafy season climate. *Ecological Modelling*, **2019**, 394, 34-43	3	12
25	Impact of microclimatic conditions and resource availability on spring and autumn phenology of temperate tree seedlings. *New Phytologist*, **2021**, 232, 537-550	9.8	9
24	Machine Learning-Based Approaches for Predicting SPAD Values of Maize Using Multi-Spectral Images. *Remote Sensing*, **2022**, 14, 1337	5	9

23	Response of Vegetation to Changes in Temperature and Precipitation at a Semi-Arid Area of Northern China Based on Multi-Statistical Methods. *Forests*, **2020**, 11, 340	2.8	8
22	Integrating spectral and textural information for identifying the tasseling date of summer maize using UAV based RGB images. *International Journal of Applied Earth Observation and Geoinformation* , **2021**, 102, 102435	7.3	8
21	Integrating Spectral and Textural Information for Monitoring the Growth of Pear Trees Using Optical Images from the UAV Platform. *Remote Sensing*, **2021**, 13, 1795	5	7
20	Increasing importance of precipitation in spring phenology with decreasing latitudes in subtropical forest area in China. *Agricultural and Forest Meteorology*, **2021**, 304-305, 108427	5.8	7
19	Atmospheric brightening counteracts warming-induced delays in autumn phenology of temperate trees in Europe. *Global Ecology and Biogeography*, **2021**, 30, 2477	6.1	7
18	Soil thawing regulates the spring growth onset in tundra and alpine biomes. *Science of the Total Environment*, **2020**, 742, 140637	10.2	5
17	Photoperiod decelerates the advance of spring phenology of six deciduous tree species under climate warming. *Global Change Biology*, **2021**, 27, 2914-2927	11.4	5
16	An earlier start of the thermal growing season enhances tree growth in cold humid areas but not in dry areas.. *Nature Ecology and Evolution*, **2022**,	12.3	5
15	Different determinants of radiation use efficiency in cold and temperate forests. *Global Ecology and Biogeography*, **2019**, 28, 1649-1667	6.1	4
14	Long-term linear trends mask phenological shifts. *International Journal of Biometeorology*, **2016**, 60, 1611-1613	3.7	4
13	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. *Science of the Total Environment*, **2020**, 698, 134171	10.2	4
12	Global warming increases latitudinal divergence in flowering dates of a perennial herb in humid regions across eastern Asia. *Agricultural and Forest Meteorology*, **2021**, 296, 108209	5.8	4
11	Desert disturbance assessments of regional oil exploitation by Aster and ETM+ images in Taklimakan Desert China. *Environmental Monitoring and Assessment*, **2008**, 144, 159-68	3.1	3
10	Impacts of Climate and Phenology on the Yields of Early Mature Rice in China. *Sustainability*, **2020**, 12, 10133	3.6	3
9	Diverging models introduce large uncertainty in future climate warming impact on spring phenology of temperate deciduous trees. *Science of the Total Environment*, **2021**, 757, 143903	10.2	3
8	Increasing terrestrial ecosystem carbon release in response to autumn cooling and warming. *Nature Climate Change*, **2022**, 12, 380-385	21.4	2
7	Comparison of Multi-Methods for Identifying Maize Phenology Using PhenoCams. *Remote Sensing*, **2022**, 14, 244	5	1
6	Contrasting phenology responses to climate warming across the northern extra-tropics. *Fundamental Research*, **2022**,		1

5	The sensitivity of ginkgo leaf unfolding to the temperature and photoperiod decreases with increasing elevation. *Agricultural and Forest Meteorology*, **2022**, 315, 108840	5.8	1
4	Influences of Shifted Vegetation Phenology on Runoff Across a Hydroclimatic Gradient.. *Frontiers in Plant Science*, **2021**, 12, 802664	6.2	1
3	Divergent responses of phenology and growth to summer and autumnal warming. *Global Change Biology*, **2021**, 27, 2905-2913	11.4	1
2	Higher temperature sensitivity of flowering than leaf-out alters the time between phenophases across temperate tree species. *Global Ecology and Biogeography*, **2022**, 31, 901-911	6.1	1
1	Climate warming shifts the time interval between flowering and leaf unfolding depending on the warming period.. *Science China Life Sciences*, **2022**, 1	8.5	1