

Net carbon uptake has increased through warming-induced phenology

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Biophysical constraints on gross primary production by the terrestrial biosphere. <i>Biogeosciences</i> , 2014, 11, 5987-6001.	1.3	59
2	Climatic influences on wood anatomy and tree-ring features of Great Basin conifers at a new mountain observatory. <i>Applications in Plant Sciences</i> , 2014, 2, 1400054.	0.8	25
3	A physically based vegetation index for improved monitoring of plant phenology. <i>Remote Sensing of Environment</i> , 2014, 152, 512-525.	4.6	118
4	Experimental drought and heat can delay phenological development and reduce foliar and shoot growth in semiarid trees. <i>Global Change Biology</i> , 2015, 21, 4210-4220.	4.2	96
5	Reliable, robust and realistic: the three R's of next-generation land-surface modelling. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 5987-6005.	1.9	167
6	Distinguishing the drivers of trends in land carbon fluxes and plant volatile emissions over the past 3 decades. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 11931-11948.	1.9	38
7	The "island effect"™ in terrestrial global change experiments: a problem with no solution?. <i>AoB PLANTS</i> , 2015, 7, plv092.	1.2	17
8	Abrupt shifts in phenology and vegetation productivity under climate extremes. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2015, 120, 2036-2052.	1.3	149
9	Age effects on the water-use efficiency and water-use dynamics of temperate pine plantation forests. <i>Hydrological Processes</i> , 2015, 29, 4100-4113.	1.1	43
10	Assessment of model estimates of land-atmosphere CO <sub>2</sub> exchange across Northern Eurasia. <i>Biogeosciences</i> , 2015, 12, 4385-4405.	1.3	25
11	Using satellite data to improve the leaf phenology of a global terrestrial biosphere model. <i>Biogeosciences</i> , 2015, 12, 7185-7208.	1.3	85
12	Interpreting canopy development and physiology using a European phenology camera network at flux sites. <i>Biogeosciences</i> , 2015, 12, 5995-6015.	1.3	98
13	The Yale Interactive terrestrial Biosphere model version 1.0: description, evaluation and implementation into NASA GISS ModelE2. <i>Geoscientific Model Development</i> , 2015, 8, 2399-2417.	1.3	73
14	Evapotranspiration Trends Over the Eastern United States During the 20th Century. <i>Hydrology</i> , 2015, 2, 93-111.	1.3	29
15	Probing the past 30-year phenology trend of US deciduous forests. <i>Biogeosciences</i> , 2015, 12, 4693-4709.	1.3	40
16	Changes in autumn senescence in northern hemisphere deciduous trees: a meta-analysis of autumn phenology studies. <i>Annals of Botany</i> , 2015, 116, 875-888.	1.4	221
17	Nonlinear response of vegetation green-up to local temperature variations in temperate and boreal forests in the Northern Hemisphere. <i>Remote Sensing of Environment</i> , 2015, 165, 100-108.	4.6	60
18	Warming delays autumn declines in photosynthetic capacity in a boreal conifer, Norway spruce ( <i>Picea abies</i> ). <i>Tree Physiology</i> , 2015, 35, 1303-1313.	1.4	35

#	ARTICLE	IF	CITATIONS
19	Joint control of terrestrial gross primary productivity by plant phenology and physiology. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 2788-2793.	3.3	265
20	The timing of autumn senescence is affected by the timing of spring phenology: implications for predictive models. <i>Global Change Biology</i> , 2015, 21, 2634-2641.	4.2	256
21	Is drought-induced forest dieback globally increasing?. <i>Journal of Ecology</i> , 2015, 103, 31-43.	1.9	89
22	Autumn, the neglected season in climate change research. <i>Trends in Ecology and Evolution</i> , 2015, 30, 169-176.	4.2	376
23	Geographical pattern in first bloom variability and its relation to temperature sensitivity in the USA and China. <i>International Journal of Biometeorology</i> , 2015, 59, 961-969.	1.3	39
24	Photoperiod constraints on tree phenology, performance and migration in a warming world. <i>Plant, Cell and Environment</i> , 2015, 38, 1725-1736.	2.8	274
25	Temperature alone does not explain phenological variation of diverse temperate plants under experimental warming. <i>Global Change Biology</i> , 2015, 21, 3138-3151.	4.2	66
27	Codominant water control on global interannual variability and trends in land surface phenology and greenness. <i>Global Change Biology</i> , 2015, 21, 3414-3435.	4.2	165
28	Plant phenological responses to climate change on the Tibetan Plateau: research status and challenges. <i>National Science Review</i> , 2015, 2, 454-467.	4.6	161
29	On underestimation of global vulnerability to tree mortality and forest die-off from hotter drought in the Anthropocene. <i>Ecosphere</i> , 2015, 6, 1-55.	1.0	1,739
30	TIMESAT: A Software Package for Time-Series Processing and Assessment of Vegetation Dynamics. <i>Remote Sensing and Digital Image Processing</i> , 2015, , 141-158.	0.7	39
31	Radiation contributed more than temperature to increased decadal autumn and annual carbon uptake of two eastern North America mature forests. <i>Agricultural and Forest Meteorology</i> , 2015, 201, 8-16.	1.9	26
32	On the difference in the net ecosystem exchange of $\text{CO}_2$ between deciduous and evergreen forests in the southeastern United States. <i>Global Change Biology</i> , 2015, 21, 827-842.	4.2	65
33	Role of $\text{CO}_2$ , climate and land use in regulating the seasonal amplitude increase of carbon fluxes in terrestrial ecosystems: a multimodel analysis. <i>Biogeosciences</i> , 2016, 13, 5121-5137.	1.3	26
34	Reviews and syntheses: Australian vegetation phenology: new insights from satellite remote sensing and digital repeat photography. <i>Biogeosciences</i> , 2016, 13, 5085-5102.	1.3	75
35	Synergistic Use of Citizen Science and Remote Sensing for Continental-Scale Measurements of Forest Tree Phenology. <i>Remote Sensing</i> , 2016, 8, 502.	1.8	27
36	Spatiotemporal Variability in Start and End of Growing Season in China Related to Climate Variability. <i>Remote Sensing</i> , 2016, 8, 433.	1.8	30
37	Evaluation of the Quality of NDVI3g Dataset against Collection 6 MODIS NDVI in Central Europe between 2000 and 2013. <i>Remote Sensing</i> , 2016, 8, 955.	1.8	36

#	ARTICLE	IF	CITATIONS
38	Carbon Cycleâ€œClimate Feedbacks. , 0, , 563-593.		0
39	Urban heat island impacts on plant phenology: intra-urban variability and response to land cover. Environmental Research Letters, 2016, 11, 054023.	2.2	148
40	Multiscale modeling of spring phenology across Deciduous Forests in the Eastern United States. Global Change Biology, 2016, 22, 792-805.	4.2	102
41	The implications of midâ€œlatitude climate extremes for North American migratory bird populations. Ecosphere, 2016, 7, e01261.	1.0	17
42	The importance of interacting climate modes on Australiaâ€™s contribution to global carbon cycle extremes. Scientific Reports, 2016, 6, 23113.	1.6	65
43	Mulga, a major tropical dry open forest of Australia: recent insights to carbon and water fluxes. Environmental Research Letters, 2016, 11, 125011.	2.2	19
44	Shortâ€œterm favorable weather conditions are an important control of interannual variability in carbon and water fluxes. Journal of Geophysical Research G: Biogeosciences, 2016, 121, 2186-2198.	1.3	60
45	Decadal trends in the seasonal-cycle amplitude of terrestrial CO&lt;sub>2&lt;/sub> exchange resulting from the ensemble of terrestrial biosphere models. Tellus, Series B: Chemical and Physical Meteorology, 2022, 68, 28968.	0.8	31
46	Spring and autumn phenology of hybrid aspen ( <i>Populus tremula</i> L. Ã– <i>P. tremuloides</i> Michx.) genotypes of different geographic origin in hemiboreal EstoniaÂ\$. New Zealand Journal of Forestry Science, 2016, 46, .	0.8	7
47	Severe summer heatwave and drought strongly reduced carbon uptake in Southern China. Scientific Reports, 2016, 6, 18813.	1.6	125
48	Changes in growing season duration and productivity of northern vegetation inferred from long-term remote sensing data. Environmental Research Letters, 2016, 11, 084001.	2.2	223
49	Longer growing seasons shift grassland vegetation towards more-productive species. Nature Climate Change, 2016, 6, 865-868.	8.1	71
50	Productivity and evapotranspiration of two contrasting semiarid ecosystems following the 2011 global carbon land sink anomaly. Agricultural and Forest Meteorology, 2016, 220, 151-159.	1.9	54
51	No two are the same: Assessing variability in broad-leaved savanna tree phenology, with watering, from 2012 to 2014 at Nylsvley, South Africa. South African Journal of Botany, 2016, 105, 123-132.	1.2	11
52	Effects of seasonal change and experimental warming on the temperature dependence of photosynthesis in the canopy leaves of <i>Quercus serrata</i> . Tree Physiology, 2016, 36, 1283-1295.	1.4	34
53	Warm spring reduced carbon cycle impact of the 2012 US summer drought. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 5880-5885.	3.3	340
54	Ecosystem impacts of climate extremes crucially depend on the timing. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 5768-5770.	3.3	73
55	Emerging opportunities and challenges in phenology: a review. Ecosphere, 2016, 7, e01436.	1.0	225

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56	Multisite analysis of land surface phenology in North American temperate and boreal deciduous forests from Landsat. <i>Remote Sensing of Environment</i> , 2016, 186, 452-464.	4.6	123
57	Spatial variations in responses of vegetation autumn phenology to climate change on the Tibetan Plateau. <i>Journal of Plant Ecology</i> , 0, , rtw084.	1.2	33
58	Explaining inter-annual variability of gross primary productivity from plant phenology and physiology. <i>Agricultural and Forest Meteorology</i> , 2016, 226-227, 246-256.	1.9	81
59	Day length unlikely to constrain climate-driven shifts in leaf-out times of northern woody plants. <i>Nature Climate Change</i> , 2016, 6, 1120-1123.	8.1	180
60	Earlier springs are causing reduced nitrogen availability in North American eastern deciduous forests. <i>Nature Plants</i> , 2016, 2, 16133.	4.7	52
61	Seasonality and partitioning of root allocation to rhizosphere soils in a midlatitude forest. <i>Ecosphere</i> , 2016, 7, e01547.	1.0	33
62	Human-induced greening of the northern extratropical land surface. <i>Nature Climate Change</i> , 2016, 6, 959-963.	8.1	145
63	A new seasonal deciduous spring phenology submodel in the Community Land Model 4.5: impacts on carbon and water cycling under future climate scenarios. <i>Global Change Biology</i> , 2016, 22, 3675-3688.	4.2	64
64	Review: advances in in situ and satellite phenological observations in Japan. <i>International Journal of Biometeorology</i> , 2016, 60, 615-627.	1.3	31
65	Quantifying distribution in carbon uptake and environmental measurements with the Gini coefficient. <i>Letters in Biomathematics</i> , 2016, 3, 1-12.	0.3	3
66	Remotely sensed assessment of urbanization effects on vegetation phenology in China's 32 major cities. <i>Remote Sensing of Environment</i> , 2016, 176, 272-281.	4.6	197
67	Latitudinal gradient of spruce forest understory and tundra phenology in Alaska as observed from satellite and ground-based data. <i>Remote Sensing of Environment</i> , 2016, 177, 160-170.	4.6	48
68	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.	4.6	76
69	Dominant role of plant physiology in trend and variability of gross primary productivity in North America. <i>Scientific Reports</i> , 2017, 7, 41366.	1.6	43
70	Spring predictability explains different leaf-out strategies in the woody floras of North America, Europe and East Asia. <i>Ecology Letters</i> , 2017, 20, 452-460.	3.0	66
71	Water availability drives gas exchange and growth of trees in northeastern US, not elevated CO2 and reduced acid deposition. <i>Scientific Reports</i> , 2017, 7, 46158.	1.6	44
72	Recovery dynamics and climate change effects to future New England forests. <i>Landscape Ecology</i> , 2017, 32, 1385-1397.	1.9	42
73	Detecting spatiotemporal changes of peak foliage coloration in deciduous and mixed forests across the Central and Eastern United States. <i>Environmental Research Letters</i> , 2017, 12, 024013.	2.2	19

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74	Global Spatialâ€“Temporal Variability in Terrestrial Productivity and Phenology Regimes between 2000 and 2012. <i>Annals of the American Association of Geographers</i> , 2017, 107, 1519-1537.	1.5	5
75	Water use efficiency in response to interannual variations in flux-based photosynthetic onset in temperate deciduous broadleaf forests. <i>Ecological Indicators</i> , 2017, 79, 122-127.	2.6	22
76	Asymmetric effects of cooler and warmer winters on beech phenology last beyond spring. <i>Global Change Biology</i> , 2017, 23, 4569-4580.	4.2	39
77	Land surface phenology derived from normalized difference vegetation index (NDVI) at global FLUXNET sites. <i>Agricultural and Forest Meteorology</i> , 2017, 233, 171-182.	1.9	154
78	Climate controls over the net carbon uptake period and amplitude of net ecosystem production in temperate and boreal ecosystems. <i>Agricultural and Forest Meteorology</i> , 2017, 243, 9-18.	1.9	64
79	Seasonal Responses of Terrestrial Carbon Cycle to Climate Variations in CMIP5 Models: Evaluation and Projection. <i>Journal of Climate</i> , 2017, 30, 6481-6503.	1.2	12
80	Interspecific and interannual variation in the duration of spring phenophases in a northern mixed forest. <i>Agricultural and Forest Meteorology</i> , 2017, 243, 55-67.	1.9	29
81	A Bayesian hierarchical model for estimating spatial and temporal variation in vegetation phenology from Landsat time series. <i>Remote Sensing of Environment</i> , 2017, 194, 155-160.	4.6	50
82	A longer vernal window: the role of winter coldness and snowpack in driving spring transitions and lags. <i>Global Change Biology</i> , 2017, 23, 1610-1625.	4.2	57
83	Autumn photosynthetic decline and growth cessation in seedlings of white spruce are decoupled under warming and photoperiod manipulations. <i>Plant, Cell and Environment</i> , 2017, 40, 1296-1316.	2.8	32
84	Little change in heat requirement for vegetation green-up on the Tibetan Plateau over the warming period of 1998â€“2012. <i>Agricultural and Forest Meteorology</i> , 2017, 232, 650-658.	1.9	47
85	Application of satellite solar-induced chlorophyll fluorescence to understanding large-scale variations in vegetation phenology and function over northern high latitude forests. <i>Remote Sensing of Environment</i> , 2017, 190, 178-187.	4.6	175
86	Onset of drying and dormancy in relation to water dynamics of semi-arid grasslands from MODIS NDWI. <i>Agricultural and Forest Meteorology</i> , 2017, 234-235, 22-30.	1.9	15
87	Interannual variability of ecosystem carbon exchange: From observation to prediction. <i>Global Ecology and Biogeography</i> , 2017, 26, 1225-1237.	2.7	68
88	OCO-2 advances photosynthesis observation from space via solar-induced chlorophyll fluorescence. <i>Science</i> , 2017, 358, .	6.0	438
89	Potential carbon stock in the Kruger National Park, South Africa. <i>Botany Letters</i> , 2017, 164, 425-432.	0.7	3
90	Innately shorter vegetation periods in North American species explain nativeâ€“non-native phenological asymmetries. <i>Nature Ecology and Evolution</i> , 2017, 1, 1655-1660.	3.4	31
91	Photosynthetic capacity of senescent leaves for a subtropical broadleaf deciduous tree species <i>Liquidambar formosana</i> Hance. <i>Scientific Reports</i> , 2017, 7, 6323.	1.6	9

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92	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.	1.2	45
93	Seasonal variations of leaf and canopy properties tracked by ground-based NDVI imagery in a temperate forest. <i>Scientific Reports</i> , 2017, 7, 1267.	1.6	64
94	Current and future carbon budget at Takayama site, Japan, evaluated by a regional climate model and a process-based terrestrial ecosystem model. <i>International Journal of Biometeorology</i> , 2017, 61, 989-1001.	1.3	9
95	Relationships between climate, topography, water use and productivity in two key Mediterranean forest types with different water-use strategies. <i>Agricultural and Forest Meteorology</i> , 2017, 232, 319-330.	1.9	49
96	Effects of nitrogen deposition on reproduction in a masting tree: benefits of higher seed production are trumped by negative biotic interactions. <i>Journal of Ecology</i> , 2017, 105, 310-320.	1.9	59
97	Warming Effects on Ecosystem Carbon Fluxes Are Modulated by Plant Functional Types. <i>Ecosystems</i> , 2017, 20, 515-526.	1.6	54
98	Climate change imposes phenological trade-offs on forest net primary productivity. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2017, 122, 2298-2313.	1.3	51
99	Evaluation of the Plant Phenology Index (PPI), NDVI and EVI for Start-of-Season Trend Analysis of the Northern Hemisphere Boreal Zone. <i>Remote Sensing</i> , 2017, 9, 485.	1.8	86
100	Observing Spring and Fall Phenology in a Deciduous Forest with Aerial Drone Imagery. <i>Sensors</i> , 2017, 17, 2852.	2.1	55
101	Phenocams Bridge the Gap between Field and Satellite Observations in an Arid Grassland Ecosystem. <i>Remote Sensing</i> , 2017, 9, 1071.	1.8	69
102	Photosynthetic acclimation to warming in tropical forest tree seedlings. <i>Journal of Experimental Botany</i> , 2017, 68, 2275-2284.	2.4	81
103	Simulating the impact of climate change on the growth of Chinese fir plantations in Fujian province, China. <i>New Zealand Journal of Forestry Science</i> , 2017, 47, .	0.8	14
104	Spatial analysis of growing season peak control over gross primary production in northern ecosystems using modis-GPP dataset. , 2017, , .		0
105	Bayesian calibration of terrestrial ecosystem models: a study of advanced Markov chain Monte Carlo methods. <i>Biogeosciences</i> , 2017, 14, 4295-4314.	1.3	27
106	Temporal Changes in Coupled Vegetation Phenology and Productivity are Biome-Specific in the Northern Hemisphere. <i>Remote Sensing</i> , 2017, 9, 1277.	1.8	20
107	Phenology Plays an Important Role in the Regulation of Terrestrial Ecosystem Water-Use Efficiency in the Northern Hemisphere. <i>Remote Sensing</i> , 2017, 9, 664.	1.8	33
108	A new estimation of China's net ecosystem productivity based on eddy covariance measurements and a model tree ensemble approach. <i>Agricultural and Forest Meteorology</i> , 2018, 253-254, 84-93.	1.9	58
109	Antagonistic effects of growing season and autumn temperatures on the timing of leaf coloration in winter deciduous trees. <i>Global Change Biology</i> , 2018, 24, 3537-3545.	4.2	42

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110	Quantifying climate-growth relationships at the stand level in a mature mixed-species conifer forest. <i>Global Change Biology</i> , 2018, 24, 3587-3602.	4.2	40
111	Seasonal variation of source contributions to eddy-covariance CO2 measurements in a mixed hardwood-conifer forest. <i>Agricultural and Forest Meteorology</i> , 2018, 253-254, 71-83.	1.9	16
112	Climate change-driven extinctions of tree species affect forest functioning more than random extinctions. <i>Diversity and Distributions</i> , 2018, 24, 906-918.	1.9	23
113	Temperature accelerates the rate fields become forests. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 4702-4706.	3.3	22
114	Extension of the growing season increases vegetation exposure to frost. <i>Nature Communications</i> , 2018, 9, 426.	5.8	190
115	Modeling leaf area index in North America using a process-based terrestrial ecosystem model. <i>Ecosphere</i> , 2018, 9, e02046.	1.0	10
116	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.	1.9	50
117	Diel ecosystem conductance response to vapor pressure deficit is suboptimal and independent of soil moisture. <i>Agricultural and Forest Meteorology</i> , 2018, 250-251, 24-34.	1.9	61
118	Climatic and associated cryospheric, biospheric, and hydrological changes on the Tibetan Plateau: a review. <i>International Journal of Climatology</i> , 2018, 38, e1.	1.5	138
119	Productivity of an Australian mountain grassland is limited by temperature and dryness despite long growing seasons. <i>Agricultural and Forest Meteorology</i> , 2018, 256-257, 116-124.	1.9	24
120	Identifying differences in carbohydrate dynamics of seedlings and mature trees to improve carbon allocation in models for trees and forests. <i>Environmental and Experimental Botany</i> , 2018, 152, 7-18.	2.0	115
121	Leaf phenology paradox: Why warming matters most where it is already warm. <i>Remote Sensing of Environment</i> , 2018, 209, 446-455.	4.6	34
122	Multidecadal Changes and Interannual Variation in Springtime Phenology of North American Temperate and Boreal Deciduous Forests. <i>Geophysical Research Letters</i> , 2018, 45, 2679-2687.	1.5	33
123	Tracking vegetation phenology across diverse North American biomes using PhenoCam imagery. <i>Scientific Data</i> , 2018, 5, 180028.	2.4	304
124	The role of plant phenology in stomatal ozone flux modeling. <i>Global Change Biology</i> , 2018, 24, 235-248.	4.2	22
125	Fine-scale perspectives on landscape phenology from unmanned aerial vehicle (UAV) photography. <i>Agricultural and Forest Meteorology</i> , 2018, 248, 397-407.	1.9	108
126	Phenology and carbon fixing: a satellite-based study over Continental USA. <i>International Journal of Remote Sensing</i> , 2018, 39, 1-16.	1.3	44
127	How disturbance, competition, and dispersal interact to prevent tree range boundaries from keeping pace with climate change. <i>Global Change Biology</i> , 2018, 24, e335-e351.	4.2	97



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128	Larger temperature response of autumn leaf senescence than spring leaf-out phenology. <i>Global Change Biology</i> , 2018, 24, 2159-2168.	4.2	124
129	Land surface phenology: What do we really "see" from space?. <i>Science of the Total Environment</i> , 2018, 618, 665-673.	3.9	123
130	Peak season plant activity shift towards spring is reflected by increasing carbon uptake by extratropical ecosystems. <i>Global Change Biology</i> , 2018, 24, 2117-2128.	4.2	97
131	Snow depth, soil temperature and plant-herbivore interactions mediate plant response to climate change. <i>Journal of Ecology</i> , 2018, 106, 1508-1519.	1.9	35
132	Projections for the changes in growing season length of tree-ring formation on the Tibetan Plateau based on CMIP5 model simulations. <i>International Journal of Biometeorology</i> , 2018, 62, 631-641.	1.3	29
133	Calibration of the E3SM Land Model Using Surrogate-Based Global Optimization. <i>Journal of Advances in Modeling Earth Systems</i> , 2018, 10, 1337-1356.	1.3	25
134	Contrasting responses of autumn-leaf senescence to daytime and night-time warming. <i>Nature Climate Change</i> , 2018, 8, 1092-1096.	8.1	145
135	Potential of Sentinel-1 Data for Monitoring Temperate Mixed Forest Phenology. <i>Remote Sensing</i> , 2018, 10, 2049.	1.8	69
136	Reevaluating growing season length controls on net ecosystem production in evergreen conifer forests. <i>Scientific Reports</i> , 2018, 8, 17973.	1.6	13
137	Nitrogen oligotrophication in northern hardwood forests. <i>Biogeochemistry</i> , 2018, 141, 523-539.	1.7	80
138	Urbanization Impacts on Vegetation Phenology in China. <i>Remote Sensing</i> , 2018, 10, 1905.	1.8	31
139	The impact of the 2015/2016 El Niño on global photosynthesis using satellite remote sensing. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2018, 373, 20170409.	1.8	28
140	The Terrestrial Carbon Sink. <i>Annual Review of Environment and Resources</i> , 2018, 43, 219-243.	5.6	200
141	Widespread seasonal compensation effects of spring warming on northern plant productivity. <i>Nature</i> , 2018, 562, 110-114.	13.7	240
142	The climatic drivers of normalized difference vegetation index and tree-ring-based estimates of forest productivity are spatially coherent but temporally decoupled in Northern Hemispheric forests. <i>Global Ecology and Biogeography</i> , 2018, 27, 1352-1365.	2.7	47
143	Legacies of past land use have a stronger effect on forest carbon exchange than future climate change in a temperate forest landscape. <i>Biogeosciences</i> , 2018, 15, 5699-5713.	1.3	52
144	Precipitation thresholds regulate net carbon exchange at the continental scale. <i>Nature Communications</i> , 2018, 9, 3596.	5.8	39
145	Systematic variation in evapotranspiration trends and drivers across the Northeastern United States. <i>Hydrological Processes</i> , 2018, 32, 3547-3560.	1.1	28

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146	Thinning Can Reduce Losses in Carbon Use Efficiency and Carbon Stocks in Managed Forests Under Warmer Climate. <i>Journal of Advances in Modeling Earth Systems</i> , 2018, 10, 2427-2452.	1.3	56
147	Post-disturbance recovery of forest carbon in a temperate forest landscape under climate change. <i>Agricultural and Forest Meteorology</i> , 2018, 263, 308-322.	1.9	44
148	Multi-scale dynamics and environmental controls on net ecosystem CO <sub>2</sub> exchange over a temperate semiarid shrubland. <i>Agricultural and Forest Meteorology</i> , 2018, 259, 250-259.	1.9	51
149	Large-scale prerain vegetation green-up across Africa. <i>Global Change Biology</i> , 2018, 24, 4054-4068.	4.2	29
150	Later springs green-up faster: the relation between onset and completion of green-up in deciduous forests of North America. <i>International Journal of Biometeorology</i> , 2018, 62, 1645-1655.	1.3	25
151	Warming-induced Earlier Greenup Leads to Reduced Stream Discharge in a Temperate Mixed Forest Catchment. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2018, 123, 1960-1975.	1.3	43
152	Dynamics of vegetation autumn phenology and its response to multiple environmental factors from 1982 to 2012 on Qinghai-Tibetan Plateau in China. <i>Science of the Total Environment</i> , 2018, 637-638, 855-864.	3.9	76
153	Climate-induced shifts in leaf unfolding and frost risk of European trees and shrubs. <i>Scientific Reports</i> , 2018, 8, 9865.	1.6	74
154	Acceleration of global vegetation greenup from combined effects of climate change and human land management. <i>Global Change Biology</i> , 2018, 24, 5484-5499.	4.2	72
155	Major perturbations in the Earth's forest ecosystems. Possible implications for global warming. <i>Earth-Science Reviews</i> , 2018, 185, 544-571.	4.0	72
156	Influence of winter precipitation on spring phenology in boreal forests. <i>Global Change Biology</i> , 2018, 24, 5176-5187.	4.2	58
157	The Response of Vegetation Phenology and Productivity to Drought in Semi-Arid Regions of Northern China. <i>Remote Sensing</i> , 2018, 10, 727.	1.8	78
158	Seasonal patterns of canopy photosynthesis captured by remotely sensed sun-induced fluorescence and vegetation indexes in mid-to-high latitude forests: A cross-platform comparison. <i>Science of the Total Environment</i> , 2018, 644, 439-451.	3.9	17
159	Detecting biodiversity refugia using remotely sensed data. <i>Landscape Ecology</i> , 2018, 33, 1815-1830.	1.9	12
160	Slowdown of spring green-up advancements in boreal forests. <i>Remote Sensing of Environment</i> , 2018, 217, 191-202.	4.6	39
161	Using Near-Infrared-Enabled Digital Repeat Photography to Track Structural and Physiological Phenology in Mediterranean Tree-Grass Ecosystems. <i>Remote Sensing</i> , 2018, 10, 1293.	1.8	64
162	Phenological variation decreased carbon uptake in European forests during 1999-2013. <i>Forest Ecology and Management</i> , 2018, 427, 45-51.	1.4	18
163	The important but weakening maize yield benefit of grain filling prolongation in the US Midwest. <i>Global Change Biology</i> , 2018, 24, 4718-4730.	4.2	41

#	ARTICLE	IF	CITATIONS
164	Sequence of flower and leaf emergence in deciduous trees is linked to ecological traits, phylogenetics, and climate. <i>New Phytologist</i> , 2018, 220, 121-131.	3.5	20
165	Decelerating Autumn CO <sub>2</sub> Release With Warming Induced by Attenuated Temperature Dependence of Respiration in Northern Ecosystems. <i>Geophysical Research Letters</i> , 2018, 45, 5562-5571.	1.5	8
166	Nonstationary Hydrologic Behavior in Forested Watersheds Is Mediated by Climate-Induced Changes in Growing Season Length and Subsequent Vegetation Growth. <i>Water Resources Research</i> , 2018, 54, 5359-5375.	1.7	52
167	Growth and opportunities in networked synthesis through AmeriFlux. <i>New Phytologist</i> , 2019, 222, 1685-1687.	3.5	6
168	Metabolic memory in the phenological events of plants: looking beyond climatic factors. <i>Tree Physiology</i> , 2019, 39, 1272-1276.	1.4	5
169	Estimating the peak of growing season (POS) of China's terrestrial ecosystems. <i>Agricultural and Forest Meteorology</i> , 2019, 278, 107639.	1.9	31
170	Response of vegetation carbon uptake to snow-induced phenological and physiological changes across temperate China. <i>Science of the Total Environment</i> , 2019, 692, 188-200.	3.9	9
171	Increasing temperatures over an 18-year period shortens growing season length in a beech ( <i>Fagus</i> ) Tj ETQq1 1 0.784314 rgBj /Overl	0.8	3
172	Shortened temperature-relevant period of spring leaf-out in temperate-zone trees. <i>Global Change Biology</i> , 2019, 25, 4282-4290.	4.2	20
173	Contrasting Temperature Sensitivity of CO <sub>2</sub> Exchange in Peatlands of the Hudson Bay Lowlands, Canada. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2019, 124, 2126-2143.	1.3	17
174	Detection of autumn leaf phenology and color brightness from repeat photography: Accurate, robust, and sensitive indexes and modeling under unstable field observations. <i>Ecological Indicators</i> , 2019, 106, 105482.	2.6	10
175	An Empirical Assessment of the MODIS Land Cover Dynamics and TIMESAT Land Surface Phenology Algorithms. <i>Remote Sensing</i> , 2019, 11, 2201.	1.8	29
177	Tracking vegetation phenology across diverse biomes using Version 2.0 of the PhenoCam Dataset. <i>Scientific Data</i> , 2019, 6, 222.	2.4	82
178	Phenology and the city. <i>Nature Ecology and Evolution</i> , 2019, 3, 1618-1619.	3.4	17
179	Spatio-Temporal Variations of Carbon Use Efficiency in Natural Terrestrial Ecosystems and the Relationship with Climatic Factors in the Songnen Plain, China. <i>Remote Sensing</i> , 2019, 11, 2513.	1.8	17
180	Metabolic rhythms in flowing waters: An approach for classifying river productivity regimes. <i>Limnology and Oceanography</i> , 2019, 64, 1835-1851.	1.6	52
181	Combined Effects of Precipitation and Temperature on the Responses of Forest Spring Phenology to Winter Snow Cover Dynamics in Northeast China. <i>IEEE Access</i> , 2019, 7, 138950-138962.	2.6	7
182	Asymmetric Behavior of Vegetation Seasonal Growth and the Climatic Cause: Evidence from Long-Term NDVI Dataset in Northeast China. <i>Remote Sensing</i> , 2019, 11, 2107.	1.8	10

#	ARTICLE	IF	CITATIONS
183	Summer drought and spring frost, but not their interaction, constrain European beech and Silver fir growth in their southern distribution limits. <i>Agricultural and Forest Meteorology</i> , 2019, 278, 107695.	1.9	40
184	Detecting temporal changes in the temperature sensitivity of spring phenology with global warming: Application of machine learning in phenological model. <i>Agricultural and Forest Meteorology</i> , 2019, 279, 107702.	1.9	27
185	Divergent shifts in peak photosynthesis timing of temperate and alpine grasslands in China. <i>Remote Sensing of Environment</i> , 2019, 233, 111395.	4.6	85
186	The effect of phenology on the carbon exchange process in grassland and maize cropland ecosystems across a semiarid area of China. <i>Science of the Total Environment</i> , 2019, 695, 133868.	3.9	24
187	Root litter inputs exert greater influence over soil C than does aboveground litter in a subtropical natural forest. <i>Plant and Soil</i> , 2019, 444, 489-499.	1.8	35
188	Does Earlier and Increased Spring Plant Growth Lead to Reduced Summer Soil Moisture and Plant Growth on Landscapes Typical of Tundra-Taiga Interface?. <i>Remote Sensing</i> , 2019, 11, 1989.	1.8	17
189	A new process-based model for predicting autumn phenology: How is leaf senescence controlled by photoperiod and temperature coupling?. <i>Agricultural and Forest Meteorology</i> , 2019, 268, 124-135.	1.9	80
190	Ongoing seasonally uneven climate warming leads to earlier autumn growth cessation in deciduous trees. <i>Oecologia</i> , 2019, 189, 549-561.	0.9	39
191	East Asian summer monsoon substantially affects the inter-annual variation of carbon dioxide exchange in semi-arid grassland ecosystem in Loess Plateau. <i>Agriculture, Ecosystems and Environment</i> , 2019, 272, 218-229.	2.5	16
192	Impact of physiological and phenological change on carbon uptake on the Tibetan Plateau revealed through GPP estimation based on spaceborne solar-induced fluorescence. <i>Science of the Total Environment</i> , 2019, 663, 45-59.	3.9	30
193	Climatic Warming Increases Spatial Synchrony in Spring Vegetation Phenology Across the Northern Hemisphere. <i>Geophysical Research Letters</i> , 2019, 46, 1641-1650.	1.5	40
194	Long-term trend in vegetation gross primary production, phenology and their relationships inferred from the FLUXNET data. <i>Journal of Environmental Management</i> , 2019, 246, 605-616.	3.8	39
195	Urban-rural gradients reveal joint control of elevated CO <sub>2</sub> and temperature on extended photosynthetic seasons. <i>Nature Ecology and Evolution</i> , 2019, 3, 1076-1085.	3.4	98
196	Convergence in Maximum Stomatal Conductance of C <sub>3</sub> Woody Angiosperms in Natural Ecosystems Across Bioclimatic Zones. <i>Frontiers in Plant Science</i> , 2019, 10, 558.	1.7	22
197	No trends in spring and autumn phenology during the global warming hiatus. <i>Nature Communications</i> , 2019, 10, 2389.	5.8	129
198	Maximum carbon uptake rate dominates the interannual variability of global net ecosystem exchange. <i>Global Change Biology</i> , 2019, 25, 3381-3394.	4.2	62
199	Complex network-based time series remote sensing model in monitoring the fall foliage transition date for peak coloration. <i>Remote Sensing of Environment</i> , 2019, 229, 179-192.	4.6	8
200	Responses of vegetation green-up date to temperature variation in alpine grassland on the Tibetan Plateau. <i>Ecological Indicators</i> , 2019, 104, 390-397.	2.6	20

#	ARTICLE	IF	CITATIONS
201	Integration of eddy covariance and process-based model for the intra-annual variability of carbon fluxes in an Indian tropical forest. <i>Biodiversity and Conservation</i> , 2019, 28, 2123-2141.	1.2	18
202	Long-term continuity in land surface phenology measurements: A comparative assessment of the MODIS land cover dynamics and VIIRS land surface phenology products. <i>Remote Sensing of Environment</i> , 2019, 226, 74-92.	4.6	53
203	Evaluating the Representation of Vegetation Phenology in the Community Land Model 4.5 in a Temperate Grassland. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2019, 124, 187-210.	1.3	15
204	Possible errors in flux measurements due to limited digitalization. <i>Atmospheric Measurement Techniques</i> , 2019, 12, 971-976.	1.2	5
205	Daylength helps temperate deciduous trees to leaf out at the optimal time. <i>Global Change Biology</i> , 2019, 25, 2410-2418.	4.2	88
206	Monitoring Spatio-Temporal Changes of Terrestrial Ecosystem Soil Water Use Efficiency in Northeast China Using Time Series Remote Sensing Data. <i>Sensors</i> , 2019, 19, 1481.	2.1	9
207	Filter tensor analysis: A tool for multi-temporal remote sensing target detection. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2019, 151, 290-301.	4.9	5
208	Changes in timing of seasonal peak photosynthetic activity in northern ecosystems. <i>Global Change Biology</i> , 2019, 25, 2382-2395.	4.2	83
209	Positive association between forest management, environmental change, and forest bird abundance. <i>Forest Ecosystems</i> , 2019, 6, .	1.3	28
210	Interacting effects of temperature and precipitation on climatic sensitivity of spring vegetation green-up in arid mountains of China. <i>Agricultural and Forest Meteorology</i> , 2019, 269-270, 71-77.	1.9	70
211	Grassland production in response to changes in biological metrics over the Tibetan Plateau. <i>Science of the Total Environment</i> , 2019, 666, 641-651.	3.9	11
212	New satellite-based estimates show significant trends in spring phenology and complex sensitivities to temperature and precipitation at northern European latitudes. <i>International Journal of Biometeorology</i> , 2019, 63, 763-775.	1.3	45
213	Representing Grasslands Using Dynamic Prognostic Phenology Based on Biological Growth Stages: Part 2. Carbon Cycling. <i>Journal of Advances in Modeling Earth Systems</i> , 2019, 11, 4440-4465.	1.3	11
214	Global Variability of Simulated and Observed Vegetation Growing Season. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2019, 124, 3569-3587.	1.3	23
215	Climatic Drivers of Greening Trends in the Alps. <i>Remote Sensing</i> , 2019, 11, 2527.	1.8	41
216	Exposures to temperature beyond threshold disproportionately reduce vegetation growth in the northern hemisphere. <i>National Science Review</i> , 2019, 6, 786-795.	4.6	29
217	Variations in land surface phenology and their response to climate change in Yangtze River basin during 1982-2015. <i>Theoretical and Applied Climatology</i> , 2019, 137, 1659-1674.	1.3	24
218	Warming trends in Patagonian subantarctic forest. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2019, 76, 51-65.	1.4	18

#	ARTICLE	IF	CITATIONS
219	City block-based assessment of land cover componentsâ€™ impacts on the urban thermal environment. <i>Remote Sensing Applications: Society and Environment</i> , 2019, 13, 85-96.	0.8	4
220	Concentration and mineralization of organic carbon in forest soils along a climatic gradient. <i>Forest Ecology and Management</i> , 2019, 432, 246-255.	1.4	30
221	Impact of urbanization on spring and autumn phenology of deciduous trees in the Seoul Capital Area, South Korea. <i>International Journal of Biometeorology</i> , 2019, 63, 627-637.	1.3	15
222	Responses of water use efficiency to phenology in typical subtropical forest ecosystemsâ€”A case study in Zhejiang Province. <i>Science China Earth Sciences</i> , 2020, 63, 145-156.	2.3	7
223	Vegetation green up under the influence of daily minimum temperature and urbanization in the Yellow River Basin, China. <i>Ecological Indicators</i> , 2020, 108, 105760.	2.6	34
224	Consistent Relationship between Field-Measured Stomatal Conductance and Theoretical Maximum Stomatal Conductance in C <sub>3</sub> Woody Angiosperms in Four Major Biomes. <i>International Journal of Plant Sciences</i> , 2020, 181, 142-154.	0.6	23
225	How eddy covariance flux measurements have contributed to our understanding of <i>Global Change Biology</i> . <i>Global Change Biology</i> , 2020, 26, 242-260.	4.2	216
226	Increased high-latitude photosynthetic carbon gain offset by respiration carbon loss during an anomalous warm winter to spring transition. <i>Global Change Biology</i> , 2020, 26, 682-696.	4.2	41
227	On quantifying the apparent temperature sensitivity of plant phenology. <i>New Phytologist</i> , 2020, 225, 1033-1040.	3.5	52
228	Detecting changes in understorey and canopy vegetation cycles in West Central Alberta using a fusion of Landsat and MODIS. <i>Applied Vegetation Science</i> , 2020, 23, 223-238.	0.9	3
229	Enhanced spring phenological temperature sensitivity explains the extension of carbon uptake period in temperate forest protected areas. <i>Forest Ecology and Management</i> , 2020, 455, 117679.	1.4	9
230	Divergent carbon cycle response of forest and grass-dominated northern temperate ecosystems to record winter warming. <i>Global Change Biology</i> , 2020, 26, 1519-1531.	4.2	13
231	Coarse-Resolution Satellite Images Overestimate Urbanization Effects on Vegetation Spring Phenology. <i>Remote Sensing</i> , 2020, 12, 117.	1.8	32
232	Available and missing data to model impact of climate change on European forests. <i>Ecological Modelling</i> , 2020, 416, 108870.	1.2	58
233	Daily minimum temperature and precipitation control on spring phenology in arid-mountain ecosystems in China. <i>International Journal of Climatology</i> , 2020, 40, 2568-2579.	1.5	14
234	Inverse effects of recent warming on trees growing at the low and high altitudes of the Dabie Mountains, subtropical China. <i>Dendrochronologia</i> , 2020, 59, 125649.	1.0	24
235	Legacy effect of spring phenology on vegetation growth in temperate China. <i>Agricultural and Forest Meteorology</i> , 2020, 281, 107845.	1.9	65
236	Urbanization and climate change jointly shift land surface phenology in the northern mid-latitude large cities. <i>Remote Sensing of Environment</i> , 2020, 236, 111477.	4.6	55

#	ARTICLE	IF	CITATIONS
237	Visible and near-infrared hyperspectral indices explain more variation in lower-crown leaf nitrogen concentrations in autumn than in summer. <i>Oecologia</i> , 2020, 192, 13-27.	0.9	2
238	Effects of spring and summer extreme climate events on the autumn phenology of different vegetation types of Inner Mongolia, China, from 1982 to 2015. <i>Ecological Indicators</i> , 2020, 111, 105974.	2.6	47
239	Characteristics, drivers and feedbacks of global greening. <i>Nature Reviews Earth &amp; Environment</i> , 2020, 1, 14-27.	12.2	889
240	Whole soil acidification and base cation reduction across subtropical China. <i>Geoderma</i> , 2020, 361, 114107.	2.3	50
241	Ecosystem Nitrogen Response to a Simulated Ice Storm in a Northern Hardwood Forest. <i>Ecosystems</i> , 2020, 23, 1186-1205.	1.6	4
242	A review of vegetation phenological metrics extraction using time-series, multispectral satellite data. <i>Remote Sensing of Environment</i> , 2020, 237, 111511.	4.6	358
243	Carbon and water fluxes in two adjacent Australian semi-arid ecosystems. <i>Agricultural and Forest Meteorology</i> , 2020, 281, 107853.	1.9	17
244	New forest biomass carbon stock estimates in Northeast Asia based on multisource data. <i>Global Change Biology</i> , 2020, 26, 7045-7066.	4.2	20
245	Net carbon ecosystem exchange during 24 years in the SorÅ, Beech Forest â€ relations to phenology and climate. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 72, 1822063.	0.8	9
246	Drought response of European beech ( <i>Fagus sylvatica</i> L.)â€A review. <i>Perspectives in Plant Ecology, Evolution and Systematics</i> , 2020, 47, 125576.	1.1	116
247	Investigating the urban-induced microclimate effects on winter wheat spring phenology using Sentinel-2 time series. <i>Agricultural and Forest Meteorology</i> , 2020, 294, 108153.	1.9	20
248	Warmer spring alleviated the impacts of 2018 European summer heatwave and drought on vegetation photosynthesis. <i>Agricultural and Forest Meteorology</i> , 2020, 295, 108195.	1.9	48
249	Minimum carbon uptake controls the interannual variability of ecosystem productivity in tropical evergreen forests. <i>Global and Planetary Change</i> , 2020, 195, 103343.	1.6	2
250	Overestimation of the effect of climatic warming on spring phenology due to misrepresentation of chilling. <i>Nature Communications</i> , 2020, 11, 4945.	5.8	67
251	Enhanced spring temperature sensitivity of carbon emission links to earlier phenology. <i>Science of the Total Environment</i> , 2020, 745, 140999.	3.9	9
252	Reconstructing the Seasonality and Trend in Global Leaf Area Index During 2001â€2017 for Prognostic Modeling. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2020, 125, e2020JG005698.	1.3	6
253	Contributions of climate change, elevated atmospheric CO2 and human activities to ET and GPP trends in the Three-North Region of China. <i>Agricultural and Forest Meteorology</i> , 2020, 295, 108183.	1.9	70
254	Rapid Urbanization and Agricultural Intensification Increase Regional Evaporative Water Consumption of the Loess Plateau. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2020JD033380.	1.2	16

#	ARTICLE	IF	CITATIONS
255	Increased growing-season productivity drives earlier autumn leaf senescence in temperate trees. <i>Science</i> , 2020, 370, 1066-1071.	6.0	202
256	Climate-Driven Variability and Trends in Plant Productivity Over Recent Decades Based on Three Global Products. <i>Global Biogeochemical Cycles</i> , 2020, 34, e2020GB006613.	1.9	36
257	Climate warming increases spring phenological differences among temperate trees. <i>Global Change Biology</i> , 2020, 26, 5979-5987.	4.2	37
258	Carbon budget of the Harvard Forest Long-Term Ecological Research site: pattern, process, and response to global change. <i>Ecological Monographs</i> , 2020, 90, e01423.	2.4	67
259	Examining land surface phenology in the tropical moist forest eco-zone of South America. <i>International Journal of Biometeorology</i> , 2020, 64, 1911-1922.	1.3	0
260	Minimum spring temperatures at the provenance origin drive leaf phenology in sugar maple populations. <i>Tree Physiology</i> , 2020, 40, 1639-1647.	1.4	11
261	Tracking Seasonal and Interannual Variability in Photosynthetic Downregulation in Response to Water Stress at a Temperate Deciduous Forest. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2020, 125, e2018JG005002.	1.3	17
262	Phenological Differentiation in Sugar Maple Populations and Responses of Bud Break to an Experimental Warming. <i>Forests</i> , 2020, 11, 929.	0.9	6
263	Growing-season warming and winter soil freeze/thaw cycles increase transpiration in a northern hardwood forest. <i>Ecology</i> , 2020, 101, e03173.	1.5	13
264	Current and future impacts of drought and ozone stress on Northern Hemisphere forests. <i>Global Change Biology</i> , 2020, 26, 6218-6234.	4.2	20
265	Multi-Climate Factors and the Preceding Growth Stage of Vegetation Co-Regulated the Variation of the End of Growing Season in Northeast Inner Mongolia, China. <i>IEEE Access</i> , 2020, 8, 221525-221538.	2.6	3
266	Changes in sessile oak ( <i>Quercus petraea</i> ) productivity under climate change by improved leaf phenology in the 3-PC model. <i>Ecological Modelling</i> , 2020, 438, 109285.	1.2	11
267	Why don't phenophase dates in the current year affect the same phenophase dates in the following year?. <i>International Journal of Biometeorology</i> , 2020, 64, 1549-1560.	1.3	3
268	Three-dimensional change in temperature sensitivity of northern vegetation phenology. <i>Global Change Biology</i> , 2020, 26, 5189-5201.	4.2	48
269	Assessing Temperate Forest Growth and Climate Sensitivity in Response to a Long-Term Whole-Watershed Acidification Experiment. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2020, 125, e2019JG005560.	1.3	5
270	Can changes in autumn phenology facilitate earlier green-up date of northern vegetation?. <i>Agricultural and Forest Meteorology</i> , 2020, 291, 108077.	1.9	36
271	Climate Change May Increase the Drought Stress of Mesophytic Trees Downslope With Ongoing Forest Mesophication Under a History of Fire Suppression. <i>Frontiers in Forests and Global Change</i> , 2020, 3, .	1.0	10
272	Asymmetric patterns and temporal changes in phenology-based seasonal gross carbon uptake of global terrestrial ecosystems. <i>Global Ecology and Biogeography</i> , 2020, 29, 1020-1033.	2.7	11



#	ARTICLE	IF	CITATIONS
273	Enhanced regional terrestrial carbon uptake over Korea revealed by atmospheric CO <sub>2</sub> measurements from 1999 to 2017. <i>Global Change Biology</i> , 2020, 26, 3368-3383.	4.2	7
274	Understanding the continuous phenological development at daily time step with a Bayesian hierarchical space-time model: impacts of climate change and extreme weather events. <i>Remote Sensing of Environment</i> , 2020, 247, 111956.	4.6	26
275	Tree-ring minimum density chronologies of <i>Picea schrenkiana</i> along an elevation gradient in the Tien Shan Mountains, China. <i>Geografiska Annaler, Series A: Physical Geography</i> , 2020, 102, 209-221.	0.6	3
276	Climate warming has changed phenology and compressed the climatically suitable habitat of <i>Metasequoia glyptostroboides</i> over the last half century. <i>Global Ecology and Conservation</i> , 2020, 23, e01140.	1.0	9
277	Light limitation regulates the response of autumn terrestrial carbon uptake to warming. <i>Nature Climate Change</i> , 2020, 10, 739-743.	8.1	94
278	Autumn greening in a warming climate. <i>Nature Climate Change</i> , 2020, 10, 712-713.	8.1	14
279	Change point estimation of deciduous forest land surface phenology. <i>Remote Sensing of Environment</i> , 2020, 240, 111698.	4.6	25
280	Satellite Observed Strong Relationship Between Nighttime Surface Temperature and Leaf Coloring Dates of Terrestrial Ecosystems in East China. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2020, 13, 717-725.	2.3	4
281	Phenological shuffling of major marine phytoplankton groups over the last six decades. <i>Diversity and Distributions</i> , 2020, 26, 536-548.	1.9	14
282	Continental-scale land surface phenology from harmonized Landsat 8 and Sentinel-2 imagery. <i>Remote Sensing of Environment</i> , 2020, 240, 111685.	4.6	226
283	Interannual and seasonal variations in carbon exchanges over an alpine meadow in the northeastern edge of the Qinghai-Tibet Plateau, China. <i>PLoS ONE</i> , 2020, 15, e0228470.	1.1	6
284	Linking leaf-level morphological and physiological plasticity to seedling survival and growth of introduced Canadian sugar maple to elevated precipitation under warming. <i>Forest Ecology and Management</i> , 2020, 457, 117758.	1.4	2
285	Warming induced changes in wood matter accumulation in tracheid walls of spruce. <i>Journal of Mountain Science</i> , 2020, 17, 16-30.	0.8	6
286	Interactive climate factors restrict future increases in spring productivity of temperate and boreal trees. <i>Global Change Biology</i> , 2020, 26, 4042-4055.	4.2	34
287	The Interactive Effects of Chilling, Photoperiod, and Forcing Temperature on Flowering Phenology of Temperate Woody Plants. <i>Frontiers in Plant Science</i> , 2020, 11, 443.	1.7	27
288	Large and projected strengthening moisture limitation on end-of-season photosynthesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 9216-9222.	3.3	69
289	Direct and Lagged Effects of Spring Phenology on Net Primary Productivity in the Alpine Grasslands on the Tibetan Plateau. <i>Remote Sensing</i> , 2020, 12, 1223.	1.8	18
290	Modeling leaf senescence of deciduous tree species in Europe. <i>Global Change Biology</i> , 2020, 26, 4104-4118.	4.2	41

#	ARTICLE	IF	CITATIONS
291	Concurrent and lagged effects of spring greening on seasonal carbon gain and water loss across the Northern Hemisphere. <i>International Journal of Biometeorology</i> , 2020, 64, 1343-1354.	1.3	6
292	Spatial patterns and climate controls of seasonal variations in carbon fluxes in China's terrestrial ecosystems. <i>Global and Planetary Change</i> , 2020, 189, 103175.	1.6	14
293	Combined MODIS land surface temperature and greenness data for modeling vegetation phenology, physiology, and gross primary production in terrestrial ecosystems. <i>Science of the Total Environment</i> , 2020, 726, 137948.	3.9	18
294	Estimation of leaf color variances of <i>Cotinus coggygria</i> based on geographic and environmental variables. <i>Journal of Forestry Research</i> , 2021, 32, 609-622.	1.7	4
295	Nonadditive and Legacy Effects of Spring and Autumn Warming on Soil Respiration in an Old-Field Grassland. <i>Ecosystems</i> , 2021, 24, 421-433.	1.6	7
296	Environmental and biotic controls on the interannual variations in CO <sub>2</sub> fluxes of a continental monsoon temperate forest. <i>Agricultural and Forest Meteorology</i> , 2021, 296, 108232.	1.9	23
297	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.	1.9	7
298	Longer greenup periods associated with greater wood volume growth in managed pine stands. <i>Agricultural and Forest Meteorology</i> , 2021, 297, 108237.	1.9	4
299	Land surface phenology as indicator of global terrestrial ecosystem dynamics: A systematic review. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2021, 171, 330-347.	4.9	84
300	Earlywood structure of evergreen conifers near forest line is habitat driven but latewood depends on species and seasons. <i>Trees - Structure and Function</i> , 2021, 35, 479-492.	0.9	5
301	Spatiotemporal dynamics in assimilated-LAI phenology and its impact on subtropical bamboo forest productivity. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2021, 96, 102267.	1.4	6
302	The important role of soil moisture in controlling autumn phenology of herbaceous plants in the Inner Mongolian steppe. <i>Land Degradation and Development</i> , 2021, 32, 3698-3710.	1.8	7
303	Drivers of phenology shifts and their effect on productivity in northern grassland of China during 1984-2017: evidence from long-term observational data. <i>International Journal of Biometeorology</i> , 2021, 65, 527-539.	1.3	7
304	A review of the methods for studying biotic interactions in phenological analyses. <i>Methods in Ecology and Evolution</i> , 2021, 12, 227-244.	2.2	8
305	Vegetation structural change and CO <sub>2</sub> fertilization more than offset gross primary production decline caused by reduced solar radiation in China. <i>Agricultural and Forest Meteorology</i> , 2021, 296, 108207.	1.9	44
306	Diverse and divergent influences of phenology on herbaceous aboveground biomass across the Tibetan Plateau alpine grasslands. <i>Ecological Indicators</i> , 2021, 121, 107036.	2.6	11
307	The Effects of Tree Trunks on the Directional Emissivity and Brightness Temperatures of a Leaf-Off Forest Using a Geometric Optical Model. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021, 59, 5370-5386.	2.7	6
308	Temperate deciduous shrub phenology: the overlooked forest layer. <i>International Journal of Biometeorology</i> , 2021, 65, 343-355.	1.3	13

#	ARTICLE	IF	CITATIONS
309	Elevational Movement of Vegetation Greenness on the Tibetan Plateau: Evidence from the Landsat Satellite Observations during the Last Three Decades. <i>Atmosphere</i> , 2021, 12, 161.	1.0	7
310	An Overview on Dendrochronology and Quantitative Wood Anatomy Studies of Conifers in Southern Siberia (Russia). <i>Progress in Botany Fortschritte Der Botanik</i> , 2021, , 161-181.	0.1	5
311	Selected breakpoints of net forest carbon uptake at four eddy-covariance sites. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 73, 1915648.	0.8	9
312	Quantitative Assessment of the Influences of Snow Drought on Forest and Grass Growth in Mid-High Latitude Regions by Using Remote Sensing. <i>Remote Sensing</i> , 2021, 13, 668.	1.8	4
313	Consistent Poplar Clone Ranking Based on Leaf Phenology and Temperature Along a Latitudinal and Climatic Gradient in Northern Europe. <i>Bioenergy Research</i> , 2021, 14, 445-459.	2.2	6
314	Low forest productivity associated with increasing drought-tolerant species is compensated by an increase in drought-tolerance richness. <i>Global Change Biology</i> , 2021, 27, 2113-2127.	4.2	24
315	Leaf phenology correlates with fruit production in European beech ( <i>Fagus sylvatica</i> ) and in temperate oaks ( <i>Quercus robur</i> and <i>Quercus petraea</i> ). <i>European Journal of Forest Research</i> , 2021, 140, 733-744.	1.1	8
316	Impacts of nitrogen enrichment on vegetation growth dynamics are regulated by grassland degradation status. <i>Land Degradation and Development</i> , 2021, 32, 4056-4066.	1.8	7
317	Representativeness of FLUXNET Sites Across Latin America. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2021, 126, e2020JG006090.	1.3	31
319	Uniforming spring phenology under non-uniform climate warming across latitude in China. <i>Science of the Total Environment</i> , 2021, 762, 143177.	3.9	16
320	Exploring Short-Term Climate Change Effects on Rangelands and Broad-Leaved Forests by Free Satellite Data in Aosta Valley (Northwest Italy). <i>Climate</i> , 2021, 9, 47.	1.2	35
321	Improving the monitoring of deciduous broadleaf phenology using the Geostationary Operational Environmental Satellite (GOES) 16 and 17. <i>Biogeosciences</i> , 2021, 18, 1971-1985.	1.3	15
322	Divergent responses of phenology and growth to summer and autumnal warming. <i>Global Change Biology</i> , 2021, 27, 2905-2913.	4.2	14
323	Global patterns of forest autotrophic carbon fluxes. <i>Global Change Biology</i> , 2021, 27, 2840-2855.	4.2	18
324	Warming temperatures lead to reduced summer carbon sequestration in the U.S. Corn Belt. <i>Communications Earth &amp; Environment</i> , 2021, 2, .	2.6	7
325	Joint Influence Mechanism of Phenology and Climate on the Dynamics of Gross Primary Productivity: Insights From Temperate Deciduous Broadleaf Forests in North America. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2021, 126, e2020JG006049.	1.3	2
326	Solar energy dominates and soil water modulates net ecosystem productivity and evapotranspiration across multiple timescales in a subtropical coniferous plantation. <i>Agricultural and Forest Meteorology</i> , 2021, 300, 108310.	1.9	11
327	Plant phenology evaluation of CRESCENDO land surface models – Part 1: Start and end of the growing season. <i>Biogeosciences</i> , 2021, 18, 2405-2428.	1.3	19

#	ARTICLE	IF	CITATIONS
328	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, .	3.3	41
329	Response of net primary productivity to grassland phenological changes in Xinjiang, China. PeerJ, 2021, 9, e10650.	0.9	6
330	Chilling accumulation and photoperiod regulate rest break and bud burst in five subtropical tree species. Forest Ecology and Management, 2021, 485, 118813.	1.4	23
331	Divergent changes of the elevational synchronicity in vegetation spring phenology in North China from 2001 to 2017 in connection with variations in chilling. International Journal of Climatology, 2021, 41, 6109-6121.	1.5	17
332	Phenological Changes of Mongolian Oak Depending on the Micro-Climate Changes Due to Urbanization. Remote Sensing, 2021, 13, 1890.	1.8	2
333	Modelled land use and land cover change emissions – a spatio-temporal comparison of different approaches. Earth System Dynamics, 2021, 12, 635-670.	2.7	29
334	How changes in spring and autumn phenology translate into growth – experimental evidence of asymmetric effects. Journal of Ecology, 2021, 109, 2717-2728.	1.9	10
335	Regional evaluation of satellite-based methods for identifying leaf unfolding date. ISPRS Journal of Photogrammetry and Remote Sensing, 2021, 175, 88-98.	4.9	10
336	The sensitivity of vegetation cover to climate change in multiple climatic zones using machine learning algorithms. Ecological Indicators, 2021, 124, 107443.	2.6	26
337	Unusual characteristics of the carbon cycle during the 2015~2016 El Niño. Global Change Biology, 2021, 27, 3798-3809.	4.2	6
338	Planning London's green spaces in an integrated water management approach to enhance future resilience in urban stormwater control. Journal of Hydrology, 2021, 597, 126126.	2.3	15
339	Increasing temperature shortened the carbon uptake period and decreased the cumulative net ecosystem productivity in a maize cropland in Northeast China. Field Crops Research, 2021, 267, 108150.	2.3	10
340	Different responses of ecosystem CO <sub>2</sub> and N <sub>2</sub> O emissions and CH <sub>4</sub> uptake to seasonally asymmetric warming in an alpine grassland of the Tianshan. Biogeosciences, 2021, 18, 3529-3537.	1.3	8
341	Regional evaluation of satellite-based methods for identifying end of vegetation growing season. Remote Sensing in Ecology and Conservation, 2021, 7, 685-699.	2.2	7
342	The different impacts of the daytime and nighttime land surface temperatures on the alpine grassland phenology. Ecosphere, 2021, 12, e03578.	1.0	12
343	Linking tree growth and intra-annual density fluctuations to climate in suppressed and dominant Pinus sylvestris L. trees in the forest-steppe of Southern Siberia. Dendrochronologia, 2021, 67, 125842.	1.0	11
344	Late spring freezes coupled with warming winters alter temperate tree phenology and growth. New Phytologist, 2021, 231, 987-995.	3.5	18
345	Proof of Concept for Shoot Blight and Fire Blight Canker Management with Postinfection Spray Applications of Prohexadione-Calcium and Acibenzolar-Methyl in Apple. Plant Disease, 2021, 105, 4095-4105.	0.7	5

#	ARTICLE	IF	CITATIONS
346	Climatic Regulation of Vegetation Phenology in Protected Areas along Western South America. <i>Remote Sensing</i> , 2021, 13, 2590.	1.8	4
347	Using time series of MODIS land surface phenology to model temperature and photoperiod controls on spring greenup in North American deciduous forests. <i>Remote Sensing of Environment</i> , 2021, 260, 112466.	4.6	19
348	The Sensitivity of Vegetation Phenology to Extreme Climate Indices in the Loess Plateau, China. <i>Sustainability</i> , 2021, 13, 7623.	1.6	17
349	Elevation-dependent response of spring phenology to climate and its legacy effect on vegetation growth in the mountains of northwest Mongolia. <i>Ecological Indicators</i> , 2021, 126, 107640.	2.6	13
350	Spatiotemporal Analysis of the Frost Regime in the Iberian Peninsula in the Context of Climate Change (1975–2018). <i>Sustainability</i> , 2021, 13, 8491.	1.6	7
351	Estimating global maximum gross primary productivity of vegetation based on the combination of MODIS greenness and temperature data. <i>Ecological Informatics</i> , 2021, 63, 101307.	2.3	8
352	Can vegetation index track the interannual variation in gross primary production of temperate deciduous forests?. <i>Ecological Processes</i> , 2021, 10, .	1.6	13
353	Siberian plants shift their phenology in response to climate change. <i>Global Change Biology</i> , 2021, 27, 4435-4448.	4.2	40
354	Thermal optima of gross primary productivity are closely aligned with mean air temperatures across Australian wooded ecosystems. <i>Global Change Biology</i> , 2021, 27, 4727-4744.	4.2	19
355	Terrestrial carbon cycle model-data fusion: Progress and challenges. <i>Science China Earth Sciences</i> , 2021, 64, 1645-1657.	2.3	9
356	Estimation of deracinated trees area in temperate forest with satellite images employing machine learning methods. <i>PeerJ Computer Science</i> , 2021, 7, e648.	2.7	0
357	Effect of Climate Change on the Growth of Endangered Scree Forests in KrkonoÅ¡e National Park (Czech Republic). <i>Forests</i> , 2021, 12, 1127.	0.9	7
358	Scale gaps in landscape phenology: challenges and opportunities. <i>Trends in Ecology and Evolution</i> , 2021, 36, 709-721.	4.2	34
359	Incorporating water availability into autumn phenological model improved China's terrestrial gross primary productivity (GPP) simulation. <i>Environmental Research Letters</i> , 2021, 16, 094012.	2.2	10
360	Long-term, medium spatial resolution annual land surface phenology with a Bayesian hierarchical model. <i>Remote Sensing of Environment</i> , 2021, 261, 112484.	4.6	18
361	Surprising roles of climate in regulating flowering phenology in a subtropical ecosystem. <i>Ecography</i> , 2021, 44, 1379-1390.	2.1	8
362	Tree Mortality Risks Under Climate Change in Europe: Assessment of Silviculture Practices and Genetic Conservation Networks. <i>Frontiers in Ecology and Evolution</i> , 2021, 9, .	1.1	9
363	Ecosystem-atmosphere carbon and water exchanges of subtropical evergreen and deciduous forests in India. <i>Forest Ecology and Management</i> , 2021, 495, 119371.	1.4	11

#	ARTICLE	IF	CITATIONS
364	Response of Vegetation Photosynthetic Phenology to Urbanization in Dongting Lake Basin, China. <i>Remote Sensing</i> , 2021, 13, 3722.	1.8	7
365	Using remote sensing to identify the peak of the growing season at globally-distributed flux sites: A comparison of models, sensors, and biomes. <i>Agricultural and Forest Meteorology</i> , 2021, 307, 108489.	1.9	1
366	The Potential of Satellite Remote Sensing Time Series to Uncover Wetland Phenology under Unique Challenges of Tidal Setting. <i>Remote Sensing</i> , 2021, 13, 3589.	1.8	8
367	Simulating tree growth response to climate change in structurally diverse oak and beech forests. <i>Science of the Total Environment</i> , 2022, 806, 150422.	3.9	15
368	Phenological shifts compensate warming-induced drought stress in southern Siberian Scots pines. <i>European Journal of Forest Research</i> , 2021, 140, 1487-1498.	1.1	12
369	Different response of earlywood vessel features of <i>Fraxinus mandshurica</i> to rapid warming in warm-dry and cold-wet areas. <i>Agricultural and Forest Meteorology</i> , 2021, 307, 108523.	1.9	14
370	Quantification of Urban Heat Island-Induced Contribution to Advance in Spring Phenology: A Case Study in Hangzhou, China. <i>Remote Sensing</i> , 2021, 13, 3684.	1.8	9
371	Late to bed, late to rise—Warmer autumn temperatures delay spring phenology by delaying dormancy. <i>Global Change Biology</i> , 2021, 27, 5806-5817.	4.2	43
372	Phenological shifts induced by climate change amplify drought for broad-leaved trees at low elevations in Switzerland. <i>Agricultural and Forest Meteorology</i> , 2021, 307, 108485.	1.9	22
373	Higher plant photosynthetic capability in autumn responding to low atmospheric vapor pressure deficit. <i>Innovation(China)</i> , 2021, 2, 100163.	5.2	6
374	Reflectance and chlorophyll fluorescence-based retrieval of photosynthetic parameters improves the estimation of subtropical forest productivity. <i>Ecological Indicators</i> , 2021, 131, 108133.	2.6	8
375	Legacy effects of spring phenology on vegetation growth under pre-season meteorological drought in the Northern Hemisphere. <i>Agricultural and Forest Meteorology</i> , 2021, 310, 108630.	1.9	41
376	Elevated temperatures drive abiotic and biotic degradation of organic matter in a peat bog under oxic conditions. <i>Science of the Total Environment</i> , 2022, 804, 150045.	3.9	21
377	Characterizing Growing Season Length of Subtropical Coniferous Forests with a Phenological Model. <i>Forests</i> , 2021, 12, 95.	0.9	7
378	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.	2.6	28
379	A Semiprognostic Phenology Model for Simulating Multidecadal Dynamics of Global Vegetation Leaf Area Index. <i>Journal of Advances in Modeling Earth Systems</i> , 2020, 12, e2019MS001935.	1.3	7
380	Hot moments in ecosystem fluxes: High GPP anomalies exert outsized influence on the carbon cycle and are differentially driven by moisture availability across biomes. <i>Environmental Research Letters</i> , 2020, 15, 054004.	2.2	16
381	Ecophysiological adjustments of a pine forest to enhance early spring activity in hot and dry climate. <i>Environmental Research Letters</i> , 2020, 15, 114054.	2.2	6

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382	Recent trends in gross primary production and their drivers: analysis and modelling at flux-site and global scales. <i>Environmental Research Letters</i> , 2020, 15, 124050.	2.2	29
383	MODIS Based Estimation of Forest Aboveground Biomass in China. <i>PLoS ONE</i> , 2015, 10, e0130143.	1.1	35
384	Assimilating phenology datasets automatically across ICOS ecosystem stations. <i>International Agrophysics</i> , 2018, 32, 677-687.	0.7	14
386	Relative Contribution of Growing Season Length and Amplitude to Long-Term Trend and Interannual Variability of Vegetation Productivity over Northeast China. <i>Forests</i> , 2020, 11, 112.	0.9	9
387	A Comparison of OCO-2 SIF, MODIS GPP, and GOSIF Data from Gross Primary Production (GPP) Estimation and Seasonal Cycles in North America. <i>Remote Sensing</i> , 2020, 12, 258.	1.8	48
388	Estimaci3n de la fenolog3a de la vegetaci3n a partir de im3genes de sat3lite: el caso de la pen3nsula ib3rica e islas Baleares (2001-2017). <i>Revista De Teledeteccion</i> , 2020, , 25.	0.6	2
391	Spatial variations in terrestrial net ecosystem productivity and its local indicators. <i>Biogeosciences</i> , 2020, 17, 6237-6246.	1.3	3
396	A dataset of 30% annual vegetation phenology indicators (1985-2015) in urban areas of the conterminous United States. <i>Earth System Science Data</i> , 2019, 11, 881-894.	3.7	54
397	Global warming reduces leaf-out and flowering synchrony among individuals. <i>ELife</i> , 2018, 7, .	2.8	54
399	Impacts of Satellite Revisit Frequency on Spring Phenology Monitoring of Deciduous Broad-Leaved Forests Based on Vegetation Index Time Series. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2021, 14, 10500-10508.	2.3	12
400	Influence of Varying Solar Zenith Angles on Land Surface Phenology Derived from Vegetation Indices: A Case Study in the Harvard Forest. <i>Remote Sensing</i> , 2021, 13, 4126.	1.8	2
401	Control Mechanisms and Simulation of &lt;i>Populus simonii&lt;/i> Leaf Unfolding. <i>Journal of Geoscience and Environment Protection</i> , 2017, 05, 41-55.	0.2	0
403	Temperate Waldzone. , 2019, , 183-238.		0
404	3nregistrarea cronologiei intensit3ii fructifica3iei pentru principalele specii forestiere din Rom3nia. <i>Bucovina Forestier3</i> , 2019, 19, 183-188.	0.1	0
405	Boreal Forest and Forest Fires. , 2021, , 615-655.		1
407	Joint effects of climate, tree size, and year on annual tree growth derived from tree-ring records of ten globally distributed forests. <i>Global Change Biology</i> , 2022, 28, 245-266.	4.2	46
409	Multitemporal Land Use and Land Cover Classification from Time-Series Landsat Datasets Using Harmonic Analysis with a Minimum Spectral Distance Algorithm. <i>ISPRS International Journal of Geo-Information</i> , 2020, 9, 67.	1.4	5
410	Differences in growth pattern and response to climate warming between <i>Larix olgensis</i> and <i>Pinus koraiensis</i> in Northeast China are related to their distinctions in xylem hydraulics. <i>Agricultural and Forest Meteorology</i> , 2022, 312, 108724.	1.9	16

#	ARTICLE	IF	CITATIONS
411	Effects of chilling on heat requirement of spring phenology vary between years. <i>Agricultural and Forest Meteorology</i> , 2022, 312, 108718.	1.9	9
412	Applying ensemble learning in ecophysiological models to predict spring phenology. <i>Forest Ecology and Management</i> , 2022, 505, 119911.	1.4	3
413	Extending the Cultivation Area of Pecan ( <i>Carya illinoensis</i> ) Toward the South in Southeastern Subtropical China May Cause Increased Cold Damage. <i>Frontiers in Plant Science</i> , 2021, 12, 768963.	1.7	10
414	Where Has All the Carbon Gone?. <i>Annual Review of Earth and Planetary Sciences</i> , 2022, 50, .	4.6	5
415	Macrophenology: insights into the broad-scale patterns, drivers, and consequences of phenology. <i>American Journal of Botany</i> , 2021, 108, 2112-2126.	0.8	20
416	Specific Drivers and Responses to Land Surface Phenology of Different Vegetation Types in the Qinling Mountains, Central China. <i>Remote Sensing</i> , 2021, 13, 4538.	1.8	6
417	Habitat characteristics and climatic factors influence microhabitat selection and arthropod community structure in a globally rare central Appalachian shale barren. <i>Ecology and Evolution</i> , 2021, 11, 18169-18180.	0.8	2
418	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.	1.9	12
419	Exploring <i>Populus</i> phenological response to climate change using observational data and ecosystem modelling. <i>Agricultural and Forest Meteorology</i> , 2022, 314, 108766.	1.9	2
420	Spring phenology in subtropical trees: Developing process-based models on an experimental basis. <i>Agricultural and Forest Meteorology</i> , 2022, 314, 108802.	1.9	9
421	Grassland Phenology's Sensitivity to Extreme Climate Indices in the Sichuan Province, Western China. <i>Atmosphere</i> , 2021, 12, 1650.	1.0	3
422	Contrasting phenology responses to climate warming across the northern extra-tropics. <i>Fundamental Research</i> , 2022, 2, 708-715.	1.6	6
423	Species Difference in the Green-Up Date of Typical Vegetation in Inner Mongolia and Climate Driving Mechanism Based on Process-Based Phenology Models. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
425	Experimental warming reduces ecosystem resistance and resilience to severe flooding in a wetland. <i>Science Advances</i> , 2022, 8, eabl9526.	4.7	22
426	Resolving temperature limitation on spring productivity in an evergreen conifer forest using a model-data fusion framework. <i>Biogeosciences</i> , 2022, 19, 541-558.	1.3	6
427	Interannual variations in GPP in forest ecosystems in Southwest China and regional differences in the climatic contributions. <i>Ecological Informatics</i> , 2022, 69, 101591.	2.3	4
428	High autumn temperatures increase the depth of bud dormancy in the subtropical <i>Torreya grandis</i> and <i>Carya illinoensis</i> and delay leaf senescence in the deciduous <i>Carya</i> . <i>Trees - Structure and Function</i> , 2022, 36, 1053-1065.	0.9	2
429	Assimilation of NEON Observations Into a Process-Based Carbon Cycle Model Reveals Divergent Mechanisms of Carbon Dynamics in Temperate Deciduous Forests. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2022, 127, .	1.3	4



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430	Soil Respiration Phenology Improves Modeled Phase of Terrestrial net Ecosystem Exchange in Northern Hemisphere. <i>Journal of Advances in Modeling Earth Systems</i> , 2022, 14, .	1.3	3
431	Multiple Gap-Filling for Eddy Covariance Datasets. <i>SSRN Electronic Journal</i> , 0, , .	0.4	1
432	Remote Sensing of Seasonal Variation of Lai and Fapar in a Deciduous Broadleaf Forest. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
433	Climate Warming-Induced Changes in Plant Phenology in the Most Important Agricultural Region of Romania. <i>Sustainability</i> , 2022, 14, 2776.	1.6	4
434	No evidence for a negative effect of growing season photosynthesis on leaf senescence timing. <i>Global Change Biology</i> , 2022, 28, 3083-3093.	4.2	20
435	Comparison of Phenology Estimated From Monthly Vegetation Indices and Solar-Induced Chlorophyll Fluorescence in China. <i>Frontiers in Earth Science</i> , 2022, 10, .	0.8	0
436	Decreasing rainfall frequency contributes to earlier leaf onset in northern ecosystems. <i>Nature Climate Change</i> , 2022, 12, 386-392.	8.1	24
437	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, 6, 397-404.	3.4	78
438	Vegetation Browning Trends in Spring and Autumn over Xinjiang, China, during the Warming Hiatus. <i>Remote Sensing</i> , 2022, 14, 1298.	1.8	8
439	Mechanisms of woody-plant mortality under rising drought, CO <sub>2</sub> and vapour pressure deficit. <i>Nature Reviews Earth &amp; Environment</i> , 2022, 3, 294-308.	12.2	163
440	Land cover change instead of solar radiation change dominates the forest GPP increase during the recent phase of the Shelterbelt Program for Pearl River. <i>Ecological Indicators</i> , 2022, 136, 108664.	2.6	9
441	Space evidence of enhanced photosynthetic carbon uptake under fragmented temperate forests. <i>Environmental Research Letters</i> , 2022, 17, 044011.	2.2	3
442	Deficiencies of Phenology Models in Simulating Spatial and Temporal Variations in Temperate Spring Leaf Phenology. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2022, 127, .	1.3	6
443	Coupling of Tree Growth and Photosynthetic Carbon Uptake Across Six North American Forests. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2022, 127, .	1.3	3
445	A novel model to accurately predict continental-scale timing of forest green-up. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2022, 108, 102747.	1.4	3
446	Monitoring crop phenology with street-level imagery using computer vision. <i>Computers and Electronics in Agriculture</i> , 2022, 196, 106866.	3.7	14
447	Climate Warming Increased Spring Leaf-Out Variation Across Temperate Trees in China. <i>Frontiers in Forests and Global Change</i> , 2021, 4, .	1.0	2
448	Phenological mismatches between above- and belowground plant responses to climate warming. <i>Nature Climate Change</i> , 2022, 12, 97-102.	8.1	49

#	ARTICLE	IF	CITATIONS
449	Global Vegetation Photosynthetic Phenology Products Based on MODIS Vegetation Greenness and Temperature: Modeling and Evaluation. <i>Remote Sensing</i> , 2021, 13, 5080.	1.8	2
450	Evidence, causes, and consequences of declining nitrogen availability in terrestrial ecosystems. <i>Science</i> , 2022, 376, eabh3767.	6.0	100
451	Species differences in the green-up date of typical vegetation in Inner Mongolia and climate-driven mechanism based on process-based phenology models. <i>Science of the Total Environment</i> , 2022, 834, 155260.	3.9	3
452	Global and Regional Trends and Drivers of Fire Under Climate Change. <i>Reviews of Geophysics</i> , 2022, 60, .	9.0	182
458	Remote sensing of phenology: Towards the comprehensive indicators of plant community dynamics from species to regional scales. <i>Journal of Ecology</i> , 2022, 110, 1460-1484.	1.9	32
459	Leaf relative uptake of carbonyl sulfide to CO <sub>2</sub> seen through the lens of stomatal conductance—photosynthesis coupling. <i>New Phytologist</i> , 2022, 235, 1729-1742.	3.5	8
460	Spatial Difference of Interactive Effect Between Temperature and Daylength on Ginkgo Budburst. <i>Frontiers in Plant Science</i> , 2022, 13, .	1.7	2
461	Warming may extend tree growing seasons and compensate for reduced carbon uptake during dry periods. <i>Journal of Ecology</i> , 2022, 110, 1575-1589.	1.9	10
462	Insect infestations and the persistence and functioning of oak-pine mixedwood forests in the mid-Atlantic region, USA. <i>PLoS ONE</i> , 2022, 17, e0265955.	1.1	2
463	Woody species do not differ in dormancy progression: Differences in time to budbreak due to forcing and cold hardiness. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2112250119.	3.3	13
464	Spectral index-based time series analysis of canopy resistance and resilience in a watershed under intermittent weather changes. <i>Ecological Informatics</i> , 2022, 69, 101666.	2.3	4
465	Phenological patterns of herbaceous Mediterranean plant communities in spring: is there a difference between native and formerly-cultivated grasslands?. <i>Plant Ecology and Evolution</i> , 2022, 155, 207-220.	0.3	1
466	Stronger Spring Phenological Advance in Future Warming Scenarios for Temperate Species With a Lower Chilling Sensitivity. <i>Frontiers in Plant Science</i> , 2022, 13, .	1.7	5
467	Carbon Source Reduction Postpones Autumn Leaf Senescence in a Widespread Deciduous Tree. <i>Frontiers in Plant Science</i> , 2022, 13, .	1.7	1
468	Continental-scale parameterization and prediction of leaf phenology for the North American forests. <i>Global Ecology and Biogeography</i> , 2022, 31, 1603-1615.	2.7	3
469	Future reversal of warming-enhanced vegetation productivity in the Northern Hemisphere. <i>Nature Climate Change</i> , 2022, 12, 581-586.	8.1	47
470	Phenology of fine root and shoot using high frequency temporal resolution images in a temperate larch forest. <i>Rhizosphere</i> , 2022, 22, 100541.	1.4	4
471	Quantitative estimation for the impact of mining activities on vegetation phenology and identifying its controlling factors from Sentinel-2 time series. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2022, 111, 102814.	0.9	8

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472	Changes in grassland phenology and growth rate, rather than diversity, drive biomass production after fire. <i>Agricultural and Forest Meteorology</i> , 2022, 322, 109028.	1.9	6
473	Divergent Performances of Vegetation Indices in Extracting Photosynthetic Phenology for Northern Deciduous Broadleaf Forests. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2022, 19, 1-5.	1.4	10
474	Effects of global change and human disturbance on soil carbon cycling in boreal forest: A review. <i>Pedosphere</i> , 2023, 33, 194-211.	2.1	4
475	Characterizing Spatial Patterns of the Response Rate of Vegetation Green-Up Dates to Land Surface Temperature in Beijing, China (2001â€“2019). <i>Remote Sensing</i> , 2022, 14, 2788.	1.8	0
476	CongoFlux â€“ The First Eddy Covariance Flux Tower in the Congo Basin. <i>Frontiers in Soil Science</i> , 0, 2, .	0.8	1
477	Low temperature and short daylength interact to affect the leaf senescence of two temperate tree species. <i>Tree Physiology</i> , 0, , .	1.4	1
478	Spatiotemporal Variations of Forest Vegetation Phenology and Its Response to Climate Change in Northeast China. <i>Remote Sensing</i> , 2022, 14, 2909.	1.8	7
479	Photosynthesis phenology, as defined by solar-induced chlorophyll fluorescence, is overestimated by vegetation indices in the extratropical Northern Hemisphere. <i>Agricultural and Forest Meteorology</i> , 2022, 323, 109027.	1.9	17
480	Effects of variable temperature and moisture conditions on respiration and nonstructural carbohydrate dynamics of tree roots. <i>Agricultural and Forest Meteorology</i> , 2022, 323, 109040.	1.9	6
481	Late frost as a driver of ecotypic differentiation in sugar maple: Implications for assisted migration. <i>Agricultural and Forest Meteorology</i> , 2022, 323, 109041.	1.9	2
482	Warming and spring precipitation addition change plant growth pattern but have minor effects on growing season mean gross ecosystem productivity in an alpine meadow. <i>Science of the Total Environment</i> , 2022, 841, 156712.	3.9	4
483	Rewetting prolongs root growing season in minerotrophic peatlands and mitigates negative drought effects. <i>Journal of Applied Ecology</i> , 0, , .	1.9	6
484	Characterizing Seasonal Radial Growth Dynamics of Balsam Fir in a Cold Environment Using Continuous Dendrometric Data: A Case Study in a 12-Year Soil Warming Experiment. <i>Sensors</i> , 2022, 22, 5155.	2.1	2
485	Widespread shift from ecosystem energy to water limitation with climate change. <i>Nature Climate Change</i> , 2022, 12, 677-684.	8.1	64
486	Evaluation of Vegetation Indexes and Green-Up Date Extraction Methods on the Tibetan Plateau. <i>Remote Sensing</i> , 2022, 14, 3160.	1.8	6
487	Pervasive alterations to snow-dominated ecosystem functions under climate change. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	3.3	13
488	The Sensitivity of Vegetation Dynamics to Climate Change across the Tibetan Plateau. <i>Atmosphere</i> , 2022, 13, 1112.	1.0	3
489	Biophysical impacts of northern vegetation changes on seasonal warming patterns. <i>Nature Communications</i> , 2022, 13, .	5.8	26

#	ARTICLE	IF	CITATIONS
490	A systematic increase in the slope of the concentration discharge relation for dissolved organic carbon in a forested catchment in Vermont, USA. <i>Science of the Total Environment</i> , 2022, 844, 156954.	3.9	3
491	Winter warming offsets one half of the spring warming effects on leaf unfolding. <i>Global Change Biology</i> , 2022, 28, 6033-6049.	4.2	9
492	Modeling the effect of adaptation to future climate change on spring phenological trend of European beech ( <i>Fagus sylvatica</i> L.). <i>Science of the Total Environment</i> , 2022, 846, 157540.	3.9	10
493	Seasonal Divergence of Topographic Effects on Nirv-Derived Photosynthetic Phenology in a Mountainous Forest. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
494	Plant phenology changes and drivers on the Qinghaiâ€“Tibetan Plateau. <i>Nature Reviews Earth &amp; Environment</i> , 2022, 3, 633-651.	12.2	90
495	Warm springs alter timing but not total growth of temperate deciduous trees. <i>Nature</i> , 2022, 608, 552-557.	13.7	44
496	Increasing Atmospheric Aridity Moderates the Accelerated Rate of Vegetation Green-Up Induced by Rising CO2 and Warming. <i>Remote Sensing</i> , 2022, 14, 3946.	1.8	0
497	Science and Management Advancements Made Possible by the USA National Phenology Network's Nature's Notebook Platform. <i>BioScience</i> , 2022, 72, 908-920.	2.2	8
498	Climate warming leads to advanced fruit development period of temperate woody species but divergent changes in its length. <i>Global Change Biology</i> , 2022, 28, 6021-6032.	4.2	7
500	Satellite Observed Land Surface Greening in Summer Controlled by the Precipitation Frequency Rather Than Its Total Over Tibetan Plateau. <i>Earth's Future</i> , 2022, 10, .	2.4	4
501	Widespread droughtâ€“induced leaf shedding and legacy effects on productivity in European deciduous forests. <i>Remote Sensing in Ecology and Conservation</i> , 2023, 9, 76-89.	2.2	3
502	New tree-ring data from Canadian boreal and hemi-boreal forests provide insight for improving the climate sensitivity of terrestrial biosphere models. <i>Science of the Total Environment</i> , 2022, 851, 158062.	3.9	5
503	Warming does not delay the start of autumnal leaf coloration but slows its progress rate. <i>Global Ecology and Biogeography</i> , 2022, 31, 2297-2313.	2.7	13
504	TROPOMI SIF reveals large uncertainty in estimating the end of plant growing season from vegetation indices data in the Tibetan Plateau. <i>Remote Sensing of Environment</i> , 2022, 280, 113209.	4.6	15
505	Photosynthetic capacity dominates the interannual variation of annual gross primary productivity in the Northern Hemisphere. <i>Science of the Total Environment</i> , 2022, 849, 157856.	3.9	6
506	Multiple gap-filling for eddy covariance datasets. <i>Agricultural and Forest Meteorology</i> , 2022, 325, 109114.	1.9	5
507	Mowing mitigated the sensitivity of ecosystem carbon fluxes responses to heat waves in a Eurasian meadow steppe. <i>Science of the Total Environment</i> , 2022, 853, 158610.	3.9	5
508	Increased carbon assimilation and efficient water usage may not compensate for carbon loss in European forests. <i>Communications Earth &amp; Environment</i> , 2022, 3, .	2.6	8

#	ARTICLE	IF	CITATIONS
509	Respiratory loss during late-growing season determines the net carbon dioxide sink in northern permafrost regions. <i>Nature Communications</i> , 2022, 13, .	5.8	2
510	Pine caterpillar occurrence modeling using satellite spring phenology and meteorological variables. <i>Environmental Research Letters</i> , 2022, 17, 104046.	2.2	1
511	Identification of the Spring Green-Up Date Derived from Satellite-Based Vegetation Index over a Heterogeneous Ecoregion. <i>Remote Sensing</i> , 2022, 14, 4349.	1.8	0
512	Increased drought effects on the phenology of autumn leaf senescence. <i>Nature Climate Change</i> , 2022, 12, 943-949.	8.1	47
513	Monitoring nature's calendar from space: Emerging topics in land surface phenology and associated opportunities for science applications. <i>Global Change Biology</i> , 2022, 28, 7186-7204.	4.2	17
514	Increased forest coverage will induce more carbon fixation in vegetation than in soil during 2015–2060 in China based on CMIP6. <i>Environmental Research Letters</i> , 2022, 17, 105002.	2.2	6
515	Lengthening height-growth duration in Smith fir as onset becomes more synchronous across elevations under climate warming scenarios. <i>Agricultural and Forest Meteorology</i> , 2022, 326, 109193.	1.9	6
516	Tracking vegetation phenology of pristine northern boreal peatlands by combining digital photography with CO <sub>2</sub> flux and remote sensing data. <i>Biogeosciences</i> , 2022, 19, 4747-4765.	1.3	9
517	Radiation-constrained boundaries cause nonuniform responses of the carbon uptake phenology to climatic warming in the Northern Hemisphere. <i>Global Change Biology</i> , 2023, 29, 719-730.	4.2	9
518	Vegetation phenology and its ecohydrological implications from individual to global scales. <i>Geography and Sustainability</i> , 2022, 3, 334-338.	1.9	2
519	Persistent effects of global warming on vegetation growth are regulated by water in China during 2001–2017. <i>Journal of Cleaner Production</i> , 2022, 381, 135198.	4.6	8
520	Opposing seasonal temperature dependencies of CO <sub>2</sub> and CH <sub>4</sub> emissions from wetlands. <i>Global Change Biology</i> , 2023, 29, 1133-1143.	4.2	6
521	Saturation response of enhanced vegetation productivity attributes to intricate interactions. <i>Global Change Biology</i> , 2023, 29, 1080-1095.	4.2	6
522	Critical Climate Periods Explain a Large Fraction of the Observed Variability in Vegetation State. <i>Remote Sensing</i> , 2022, 14, 5621.	1.8	2
523	Testing machine learning algorithms on a binary classification phenological model. <i>Global Ecology and Biogeography</i> , 2023, 32, 178-190.	2.7	0
524	Spatiotemporal variation of autumn phenology responses to pre-season drought and temperature in alpine and temperate grasslands in China. <i>Science of the Total Environment</i> , 2023, 859, 160373.	3.9	10
525	Satellite observed delaying effects of increased winds on spring green-up dates. <i>Remote Sensing of Environment</i> , 2023, 284, 113363.	4.6	5
526	Turning points in the impact of earlier green-up on evapotranspiration and gross primary productivity in a semi-arid grassland watershed. <i>Journal of Hydrology</i> , 2023, 616, 128755.	2.3	2

#	ARTICLE	IF	CITATIONS
527	Divergent seasonal responses of carbon fluxes to extreme droughts over China. <i>Agricultural and Forest Meteorology</i> , 2023, 328, 109253.	1.9	7
528	Ecological engineering induced carbon sinks shifting from decreasing to increasing during 1981–2019 in China. <i>Science of the Total Environment</i> , 2023, 864, 161037.	3.9	12
529	Impact of Shifts in Vegetation Phenology on the Carbon Balance of a Semiarid Sagebrush Ecosystem. <i>Remote Sensing</i> , 2022, 14, 5924.	1.8	2
530	Temperature sensitivity of leaf flushing in 12 common woody species in eastern China. <i>Science of the Total Environment</i> , 2022, , 160337.	3.9	0
531	Biochar-Based Fertilizer Decreased Soil N <sub>2</sub> O Emission and Increased Soil CH <sub>4</sub> Uptake in a Subtropical Typical Bamboo Plantation. <i>Forests</i> , 2022, 13, 2181.	0.9	2
532	Assessment of Carbon Productivity Trends and Their Resilience to Drought Disturbances in the Middle East Based on Multi-Decadal Space-Based Datasets. <i>Remote Sensing</i> , 2022, 14, 6237.	1.8	3
533	Early spring onset increases carbon uptake more than late fall senescence: modeling future phenological change in a US northern deciduous forest. <i>Oecologia</i> , 2023, 201, 241-257.	0.9	4
534	Global warming is increasing the discrepancy between green (actual) and thermal (potential) seasons of temperate trees. <i>Global Change Biology</i> , 2023, 29, 1377-1389.	4.2	3
535	Herbarium records provide reliable phenology estimates in the understudied tropics. <i>Journal of Ecology</i> , 2023, 111, 327-337.	1.9	8
536	Earlier leaf senescence dates are constrained by soil moisture. <i>Global Change Biology</i> , 2023, 29, 1557-1573.	4.2	2
537	Effects of Shifting Spring Phenology on Growing Season Carbon Uptake in High Latitudes. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2022, 127, .	1.3	1
538	Contrasting responses of early- and late-season plant phenophases to altered precipitation. <i>Oikos</i> , 2023, 2023, .	1.2	5
539	Tipping point in North American Arctic-Boreal carbon sink persists in new generation Earth system models despite reduced uncertainty. <i>Environmental Research Letters</i> , 2023, 18, 025008.	2.2	6
540	Acclimation of phenology relieves leaf longevity constraints in deciduous forests. <i>Nature Ecology and Evolution</i> , 0, , .	3.4	2
541	A stronger advance of urban spring vegetation phenology narrows vegetation productivity difference between urban settings and natural environments. <i>Science of the Total Environment</i> , 2023, 868, 161649.	3.9	4
542	A new strategy for improving the accuracy of forest aboveground biomass estimates in an alpine region based on multi-source remote sensing. <i>GIScience and Remote Sensing</i> , 2023, 60, .	2.4	6
543	Climate change enhanced the positive contribution of human activities to net ecosystem productivity from 1983 to 2018. <i>Frontiers in Ecology and Evolution</i> , 0, 10, .	1.1	3
545	Effects of Snow Cover on Spring Vegetation Phenology Vary With Temperature Gradient Across the Pan-Arctic. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2023, 128, .	1.3	2

#	ARTICLE	IF	CITATIONS
546	Remote sensing of seasonal variation of LAI and fAPAR in a deciduous broadleaf forest. <i>Agricultural and Forest Meteorology</i> , 2023, 333, 109389.	1.9	3
547	Variation across space, species and methods in models of spring phenology. <i>Climate Change Ecology</i> , 2023, 5, 100071.	0.9	0
548	Climate extremes drive the phenology of a dominant species in meadow steppe under gradual warming. <i>Science of the Total Environment</i> , 2023, 869, 161687.	3.9	5
549	Contrasting responses of peak vegetation growth to asymmetric warming: Evidences from FLUXNET and satellite observations. <i>Global Change Biology</i> , 2023, 29, 2363-2379.	4.2	4
550	Phenological assessment of transpiration: The stem-temp approach for determining start and end of season. <i>Agricultural and Forest Meteorology</i> , 2023, 331, 109319.	1.9	4
551	Land surface phenology indicators retrieved across diverse ecosystems using a modified threshold algorithm. <i>Ecological Indicators</i> , 2023, 147, 110000.	2.6	3
552	Photoperiod drives cessation of wood formation in northern conifers. <i>Global Ecology and Biogeography</i> , 2023, 32, 603-617.	2.7	3
553	Observations of Satellite Land Surface Phenology Indicate That Maximum Leaf Greenness Is More Associated With Global Vegetation Productivity Than Growing Season Length. <i>Global Biogeochemical Cycles</i> , 2023, 37, .	1.9	2
554	Climate lags and genetics determine phenology in quaking aspen ( <i>Populus tremuloides</i> ). <i>New Phytologist</i> , 2023, 238, 2313-2328.	3.5	2
555	Fire blight rootstock infections causing apple tree death: A case study in high-density apple orchards with <i>Erwinia amylovora</i> strain characterization. , 0, 2, .		5
557	Larger diurnal temperature range undermined later autumn leaf senescence with warming in Europe. <i>Global Ecology and Biogeography</i> , 2023, 32, 734-746.	2.7	1
558	On the temporal mismatch between in-situ and satellite-derived spring phenology of European beech forests. <i>International Journal of Remote Sensing</i> , 2023, 44, 1684-1701.	1.3	1
559	Experimental warming causes mismatches in alpine plant-microbe-fauna phenology. <i>Nature Communications</i> , 2023, 14, .	5.8	13
560	Vegetation greenness and photosynthetic phenology in response to climatic determinants. <i>Frontiers in Forests and Global Change</i> , 0, 6, .	1.0	5
561	A multi-satellite framework to rapidly evaluate extreme biosphere cascades: the Western US 2021 drought and heatwave. <i>Global Change Biology</i> , 0, , .	4.2	0
562	Shifting from a thermal-constrained to water-constrained ecosystem over the Tibetan Plateau. <i>Frontiers in Plant Science</i> , 0, 14, .	1.7	0
563	Increasing temperature regulates the advance of peak photosynthesis timing in the boreal ecosystem. <i>Science of the Total Environment</i> , 2023, 882, 163587.	3.9	11
564	Phenology advances uniformly in spring but diverges in autumn among three temperate tree species in response to warming. <i>Agricultural and Forest Meteorology</i> , 2023, 336, 109475.	1.9	2

#	ARTICLE	IF	CITATIONS
590	Evidence and attribution of the enhanced land carbon sink. Nature Reviews Earth & Environment, 2023, 4, 518-534.	12.2	18