Joint control of terrestrial gross primary productivity b

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#	Article	IF	Citations
1	Global change accelerates carbon assimilation by a wetland ecosystem engineer. Environmental Research Letters, 2015, 10, 115006.	2.2	57
2	Grazing and watering alter plant phenological processes in a desert steppe community. Plant Ecology, 2015, 216, 599-613.	0.7	27
3	On underestimation of global vulnerability to tree mortality and forest dieâ€off from hotter drought in the Anthropocene. Ecosphere, 2015, 6, 1-55.	1.0	1,739
4	Long-term drainage reduces CO₂ uptake and increases CO₂ emission on a Siberian floodplain due to shifts in vegetation community and soil thermal characteristics. Biogeosciences, 2016, 13, 4219-4235.	1.3	28
5	Changes in Global Grassland Productivity during 1982 to 2011 Attributable to Climatic Factors. Remote Sensing, 2016, 8, 384.	1.8	24
6	Combining Sun-Induced Chlorophyll Fluorescence and Photochemical Reflectance Index Improves Diurnal Modeling of Gross Primary Productivity. Remote Sensing, 2016, 8, 574.	1.8	44
7	Timing of False Ring Formation in Pinus halepensis and Arbutus unedo in Southern Italy: Outlook from an Analysis of Xylogenesis and Tree-Ring Chronologies. Frontiers in Plant Science, 2016, 7, 705.	1.7	32
8	Effects of short-term grazing exclusion on plant phenology and reproductive succession in a Tibetan alpine meadow. Scientific Reports, 2016, 6, 27781.	1.6	31
9	Fast-cycling unit of root turnover in perennial herbaceous plants in a cold temperate ecosystem. Scientific Reports, 2016, 6, 19698.	1.6	25
10	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
11	Constraining future terrestrial carbon cycle projections using observationâ€based water and carbon flux estimates. Global Change Biology, 2016, 22, 2198-2215.	4.2	46
12	Canopy and climate controls of gross primary production of Mediterranean-type deciduous and evergreen oak savannas. Agricultural and Forest Meteorology, 2016, 226-227, 132-147.	1.9	19
13	Explaining inter-annual variability of gross primary productivity from plant phenology and physiology. Agricultural and Forest Meteorology, 2016, 226-227, 246-256.	1.9	81
14	Carbon and water exchange over a temperate semi-arid shrubland during three years of contrasting precipitation and soil moisture patterns. Agricultural and Forest Meteorology, 2016, 228-229, 120-129.	1.9	100
15	Toward more realistic projections of soil carbon dynamics by Earth system models. Global Biogeochemical Cycles, 2016, 30, 40-56.	1.9	343
16	Tree growth, cambial phenology, and wood anatomy of limber pine at a Great Basin (USA) mountain observatory. Trees - Structure and Function, 2016, 30, 1507-1521.	0.9	34
17	The effects of grazing and watering on ecosystem CO2 fluxes vary by community phenology. Environmental Research, 2016, 144, 64-71.	3.7	11
18	Responses of gross primary productivity to different sizes of precipitation events in a temperate grassland ecosystem in Inner Mongolia, China. Journal of Arid Land, 2016, 8, 36-46.	0.9	32

#	Article	IF	Citations
19	Seasonally varied controls of climate and phenophase on terrestrial carbon dynamics: modeling eco-climate system state using Dynamical Process Networks. Landscape Ecology, 2016, 31, 165-180.	1.9	18
20	Stand age and species richness dampen interannual variation of ecosystem-level photosynthetic capacity. Nature Ecology and Evolution, 2017, 1, 48.	3.4	85
21	Modeling gross primary production of paddy rice cropland through analyses of data from CO2 eddy flux tower sites and MODIS images. Remote Sensing of Environment, 2017, 190, 42-55.	4.6	42
22	Long term trend and interannual variability of land carbon uptakeâ€"the attribution and processes. Environmental Research Letters, 2017, 12, 014018.	2.2	34
23	Terrestrial ecosystem model performance in simulating productivity and its vulnerability to climate change in the northern permafrost region. Journal of Geophysical Research G: Biogeosciences, 2017, 122, 430-446.	1.3	47
24	Evaluation of climateâ€related carbon turnover processes in global vegetation models for boreal and temperate forests. Global Change Biology, 2017, 23, 3076-3091.	4.2	52
25	Transitions in high-Arctic vegetation growth patterns and ecosystem productivity tracked with automated cameras from 2000 to 2013. Ambio, 2017, 46, 39-52.	2.8	45
26	Quantification of the response of global terrestrial net primary production to multifactor global change. Ecological Indicators, 2017, 76, 245-255.	2.6	36
27	Dominant role of plant physiology in trend and variability of gross primary productivity in North America. Scientific Reports, 2017, 7, 41366.	1.6	43
28	Attribution of seasonal leaf area index trends in the northern latitudes with â€œoptimallyâ€•integrated ecosystem models. Global Change Biology, 2017, 23, 4798-4813.	4.2	41
29	A snow-free vegetation index for improved monitoring of vegetation spring green-up date in deciduous ecosystems. Remote Sensing of Environment, 2017, 196, 1-12.	4.6	102
30	Preâ€rain greenâ€up is ubiquitous across southern tropical Africa: implications for temporal niche separation and model representation. New Phytologist, 2017, 213, 625-633.	3.5	60
31	Climate controls over the net carbon uptake period and amplitude of net ecosystem production in temperate and boreal ecosystems. Agricultural and Forest Meteorology, 2017, 243, 9-18.	1.9	64
32	Angular normalization of GOMEâ€2 Sunâ€induced chlorophyll fluorescence observation as a better proxy of vegetation productivity. Geophysical Research Letters, 2017, 44, 5691-5699.	1.5	89
33	Estimation of global soil respiration by accounting for land-use changes derived from remote sensing data. Journal of Environmental Management, 2017, 200, 97-104.	3.8	40
34	Effects of nitrogen addition and mowing on reproductive phenology of three early-flowering forb species in a Tibetan alpine meadow. Ecological Engineering, 2017, 99, 119-125.	1.6	31
35	Experimental warming drives a seasonal shift of ecosystem carbon exchange in Tibetan alpine meadow. Agricultural and Forest Meteorology, 2017, 233, 242-249.	1.9	42
36	Response of vegetation phenology to urbanization in the conterminous United States. Global Change Biology, 2017, 23, 2818-2830.	4.2	130

#	Article	IF	Citations
37	Velocity of change in vegetation productivity over northern high latitudes. Nature Ecology and Evolution, 2017, 1, 1649-1654.	3.4	79
38	Regional contribution to variability and trends of global gross primary productivity. Environmental Research Letters, 2017, 12, 105005.	2.2	65
39	Temporal consistency between gross primary production and solar-induced chlorophyll fluorescence in the ten most populous megacity areas over years. Scientific Reports, 2017, 7, 14963.	1.6	30
40	Interannual variability of ecosystem carbon exchange: From observation to prediction. Global Ecology and Biogeography, 2017, 26, 1225-1237.	2.7	68
41	Photosynthetic productivity and its efficiencies in ISIMIP2a biome models: benchmarking for impact assessment studies. Environmental Research Letters, 2017, 12, 085001.	2.2	41
42	Assessment of SMAP soil moisture for global simulation of gross primary production. Journal of Geophysical Research G: Biogeosciences, 2017, 122, 1549-1563.	1.3	44
43	Directly estimating diurnal changes in GPP for C3 and C4 crops using far-red sun-induced chlorophyll fluorescence. Agricultural and Forest Meteorology, 2017, 232, 1-9.	1.9	160
44	Nitrogen Availability Dampens the Positive Impacts of CO₂ Fertilization on Terrestrial Ecosystem Carbon and Water Cycles. Geophysical Research Letters, 2017, 44, 11,590.	1.5	45
45	A Novel Diffuse Fractionâ€Based Twoâ€Leaf Light Use Efficiency Model: An Application Quantifying Photosynthetic Seasonality across 20 AmeriFlux Flux Tower Sites. Journal of Advances in Modeling Earth Systems, 2017, 9, 2317-2332.	1.3	30
46	Temporal Changes in Coupled Vegetation Phenology and Productivity are Biome-Specific in the Northern Hemisphere. Remote Sensing, 2017, 9, 1277.	1.8	20
47	Climate change and its effects on vegetation phenology across ecoregions of Ethiopia. Global Ecology and Conservation, 2018, 13, e00366.	1.0	71
48	Joint structural and physiological control on the interannual variation in productivity in a temperate grassland: A dataâ€model comparison. Global Change Biology, 2018, 24, 2965-2979.	4.2	53
49	Processâ€Oriented Modeling of a High Arctic Tundra Ecosystem: Longâ€Term Carbon Budget and Ecosystem Responses to Interannual Variations of Climate. Journal of Geophysical Research G: Biogeosciences, 2018, 123, 1178-1196.	1.3	12
50	Xylogenesis reveals the genesis and ecological signal of IADFs in Pinus pinea L. and Arbutus unedo L.. Annals of Botany, 2018, 121, 1231-1242.	1.4	39
51	Moistureâ€driven xylogenesis in <scp>Pinus ponderosa</scp> from a Mojave Desert mountain reveals high phenological plasticity. Plant, Cell and Environment, 2018, 41, 823-836.	2.8	69
52	Contrasting responses of grassland water and carbon exchanges to climate change between Tibetan Plateau and Inner Mongolia. Agricultural and Forest Meteorology, 2018, 249, 163-175.	1.9	62
53	Partitioning of the net <scp>CO</scp>₂ exchange using an automated chamber system reveals plant phenology as key control of production and respiration fluxes in a boreal peatland. Global Change Biology, 2018, 24, 3436-3451.	4.2	38
54	The contributions of rate and duration of stem radial increment to annual increments of Picea meyeri in a sub-alpine habitat, North-Central China. Trees - Structure and Function, 2018, 32, 1029-1041.	0.9	9

#	Article	IF	Citations
55	Elevationâ€dependent effects of climate change on vegetation greenness in the high mountains of southwest China during 1982â€“2013. International Journal of Climatology, 2018, 38, 2029-2038.	1.5	76
56	Drivers of terrestrial plant production across broad geographical gradients. Global Ecology and Biogeography, 2018, 27, 166-174.	2.7	60
57	Phenology differences between native and novel exoticâ€dominated grasslands rival the effects of climate change. Journal of Applied Ecology, 2018, 55, 863-873.	1.9	24
58	Calibration of the E3SM Land Model Using Surrogateâ€Based Global Optimization. Journal of Advances in Modeling Earth Systems, 2018, 10, 1337-1356.	1.3	25
59	Enhanced peak growth of global vegetation and its key mechanisms. Nature Ecology and Evolution, 2018, 2, 1897-1905.	3.4	169
60	Contrasting responses of autumn-leaf senescence to daytime and night-time warming. Nature Climate Change, 2018, 8, 1092-1096.	8.1	145
61	Underestimates of Grassland Gross Primary Production in MODIS Standard Products. Remote Sensing, 2018, 10, 1771.	1.8	36
62	Reevaluating growing season length controls on net ecosystem production in evergreen conifer forests. Scientific Reports, 2018, 8, 17973.	1.6	13
63	Plant Functional Diversity and the Biogeography of Biomes in North and South America. Frontiers in Ecology and Evolution, 2018, 6, .	1.1	38
64	Upside-down fluxes Down Under: CO₂ net sink in winter and net source in summer in a temperate evergreen broadleaf forest. Biogeosciences, 2018, 15, 3703-3716.	1.3	28
65	Satellite-Based Models Need Improvements to Simulating Annual Gross Primary Productivity: A Comparison of Six Models for Regional Modeling of Deciduous Broadleaf Forests. Remote Sensing, 2018, 10, 1008.	1.8	3
66	Climate change and hydrology at the prairie margin: <scp>H</scp>istoric and prospective future flows of Canada's <scp>R</scp>ed <scp>D</scp>eer and other <scp>R</scp>ocky <scp>M</scp>ountain rivers. Hydrological Processes, 2018, 32, 2669-2684.	1.1	8
67	Shifts in the dynamics of productivity signal ecosystem state transitions at the biomeâ€scale. Ecology Letters, 2018, 21, 1457-1466.	3.0	57
68	Drought, Heat, and the Carbon Cycle: a Review. Current Climate Change Reports, 2018, 4, 266-286.	2.8	132
69	Climate Warming Does Not Always Extend the Plant Growing Season in Inner Mongolian Grasslands: Evidence From a 30â€Year In Situ Observations at Eight Experimental Sites. Journal of Geophysical Research G: Biogeosciences, 2019, 124, 2364-2378.	1.3	15
70	Trends and controls of terrestrial gross primary productivity of China during 2000â€“2016. Environmental Research Letters, 2019, 14, 084032.	2.2	66
71	Temperatureâ€mediated responses of carbon fluxes to precipitation variabilities in an alpine meadow ecosystem on the Tibetan Plateau. Ecology and Evolution, 2019, 9, 9005-9017.	0.8	10
72	Response of vegetation carbon uptake to snow-induced phenological and physiological changes across temperate China. Science of the Total Environment, 2019, 692, 188-200.	3.9	9

#	Article	IF	Citations
73	Derivation of canopy light absorption coefficient from reflectance spectra. Remote Sensing of Environment, 2019, 231, 111276.	4.6	31
74	Leaf Area Rather Than Photosynthetic Rate Determines the Response of Ecosystem Productivity to Experimental Warming in an Alpine Steppe. Journal of Geophysical Research G: Biogeosciences, 2019, 124, 2277-2287.	1.3	17
75	Label Distribution Feature Selection Based on Mutual Information in Fuzzy Rough Set Theory. , 2019, , .		7
76	Divergent shifts in peak photosynthesis timing of temperate and alpine grasslands in China. Remote Sensing of Environment, 2019, 233, 111395.	4.6	85
77	Direct and indirect effects of environmental factors on daily CO2 exchange in a rainfed maize croplandâ€"A SEM analysis with 10 year observations. Field Crops Research, 2019, 242, 107591.	2.3	19
78	Impact of physiological and phenological change on carbon uptake on the Tibetan Plateau revealed through GPP estimation based on spaceborne solar-induced fluorescence. Science of the Total Environment, 2019, 663, 45-59.	3.9	30
79	Listening to the Forest: An Artificial Neural Networkâ€Based Model of Carbon Uptake at Harvard Forest. Journal of Geophysical Research G: Biogeosciences, 2019, 124, 461-478.	1.3	4
80	Long-term trend in vegetation gross primary production, phenology and their relationships inferred from the FLUXNET data. Journal of Environmental Management, 2019, 246, 605-616.	3.8	39
81	Invasion and drought alter phenological sensitivity and synergistically lower ecosystem production. Ecology, 2019, 100, e02802.	1.5	14
82	A segmentation algorithm for characterizing rise and fall segments in seasonal cycles: an application to XCO₂ to estimate benchmarks and assess model bias. Atmospheric Measurement Techniques, 2019, 12, 2611-2629.	1.2	7
83	Impact of leaf area index from various sources on estimating gross primary production in temperate forests using the JULES land surface model. Agricultural and Forest Meteorology, 2019, 276-277, 107614.	1.9	11
84	No trends in spring and autumn phenology during the global warming hiatus. Nature Communications, 2019, 10, 2389.	5.8	129
85	Maximum carbon uptake rate dominates the interannual variability of global net ecosystem exchange. Global Change Biology, 2019, 25, 3381-3394.	4.2	62
86	Divergent longâ€term trends and interannual variation in ecosystem resource use efficiencies of a southern boreal old black spruce forest 1999â€"2017. Global Change Biology, 2019, 25, 3056-3069.	4.2	24
87	Vegetation Functional Properties Determine Uncertainty of Simulated Ecosystem Productivity: A Traceability Analysis in the East Asian Monsoon Region. Global Biogeochemical Cycles, 2019, 33, 668-689.	1.9	38
88	Responses of plant phenology to nitrogen addition: a metaâ€analysis. Oikos, 2019, 128, 1243-1253.	1.2	32
89	Different Effects of Spring and Summer Droughts on Ecosystem Carbon and Water Exchanges in a Semiarid Shrubland Ecosystem in Northwest China. Ecosystems, 2019, 22, 1869-1885.	1.6	23
90	First assessment of the plant phenology index (PPI) for estimating gross primary productivity in African semi-arid ecosystems. International Journal of Applied Earth Observation and Geoinformation, 2019, 78, 249-260.	1.4	18

#	Article	IF	Citations
91	Changes in timing of seasonal peak photosynthetic activity in northern ecosystems. Global Change Biology, 2019, 25, 2382-2395.	4.2	83
92	Grassland production in response to changes in biological metrics over the Tibetan Plateau. Science of the Total Environment, 2019, 666, 641-651.	3.9	11
93	Growth rate rather than growing season length determines wood biomass in dry environments. Agricultural and Forest Meteorology, 2019, 271, 46-53.	1.9	59
94	Potential feedbacks between loss of biosphere integrity and climate change. Global Sustainability, 2019, 2, .	1.6	11
95	Phenology. , 2019, , .		3
96	The Effects of Sun-Viewer Geometry on Sun-Induced Fluorescence and Its Relationship with Gross Primary Production. , 2019, , .		4
97	A spatially explicit modeling analysis of adaptive variation in temperate tree phenology. Agricultural and Forest Meteorology, 2019, 266-267, 73-86.	1.9	20
98	Attribute parameter characterized the seasonal variation of gross primary productivity (Î±GPP): Spatiotemporal variation and influencing factors. Agricultural and Forest Meteorology, 2020, 280, 107774.	1.9	9
99	Seasonally and spatially varied controls of climatic factors on net primary productivity in alpine grasslands on the Tibetan Plateau. Global Ecology and Conservation, 2020, 21, e00814.	1.0	40
100	Multi-angular instrument for tower-based observations of canopy sun-induced chlorophyll fluorescence. Instrumentation Science and Technology, 2020, 48, 146-161.	0.9	2
101	Joint forcing by heat waves and mowing poses a threat to grassland ecosystems: Evidence from a manipulative experiment. Land Degradation and Development, 2020, 31, 785-800.	1.8	11
102	Water and heat availability are drivers of the aboveground plant carbon accumulation rate in alpine grasslands on the Tibetan Plateau. Global Ecology and Biogeography, 2020, 29, 50-64.	2.7	77
103	Increased carbon uptake and water use efficiency in global semi-arid ecosystems. Environmental Research Letters, 2020, 15, 034022.	2.2	40
104	Elevation-dependent effects of growing season length on carbon sequestration in Xizang Plateau grassland. Ecological Indicators, 2020, 110, 105880.	2.6	12
105	Large increases of paddy rice area, gross primary production, and grain production in Northeast China during 2000â€“2017. Science of the Total Environment, 2020, 711, 135183.	3.9	104
106	Biometeorological effects on carbon dioxide and water-use efficiency within a semiarid grassland in the Chinese Loess Plateau. Journal of Hydrology, 2020, 590, 125520.	2.3	10
107	Shifts in plant phenology induced by environmental changes are small relative to annual phenological variation. Agricultural and Forest Meteorology, 2020, 294, 108144.	1.9	11
108	Minimum carbon uptake controls the interannual variability of ecosystem productivity in tropical evergreen forests. Global and Planetary Change, 2020, 195, 103343.	1.6	2

#	Article	IF	Citations
109	Overestimation of the effect of climatic warming on spring phenology due to misrepresentation of chilling. Nature Communications, 2020, 11, 4945.	5.8	67
110	Enhanced spring temperature sensitivity of carbon emission links to earlier phenology. Science of the Total Environment, 2020, 745, 140999.	3.9	9
111	Development of a topographic-corrected temperature and greenness model (TG) for improving GPP estimation over mountainous areas. Agricultural and Forest Meteorology, 2020, 295, 108193.	1.9	22
112	Evaluating Multi-Angle Photochemical Reflectance Index and Solar-Induced Fluorescence for the Estimation of Gross Primary Production in Maize. Remote Sensing, 2020, 12, 2812.	1.8	6
113	Divergent Estimates of Forest Photosynthetic Phenology Using Structural and Physiological Vegetation Indices. Geophysical Research Letters, 2020, 47, e2020GL089167.	1.5	29
114	Foliar and flowering phenology of three rubber (Hevea brasiliensis) clones in the eastern plains of Colombia. Revista Brasileira De Botanica, 2020, 43, 813-821.	0.5	5
115	Research challenges and opportunities for using big data in global change biology. Global Change Biology, 2020, 26, 6040-6061.	4.2	33
116	Resolving the Dust Bowl paradox of grassland responses to extreme drought. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 22249-22255.	3.3	63
117	Weather, pollution and biotic factors drive net forest - atmosphere exchange of CO2 at different temporal scales in a temperate-zone mixed forest. Agricultural and Forest Meteorology, 2020, 291, 108059.	1.9	7
118	Asymmetric patterns and temporal changes in phenologyâ€based seasonal gross carbon uptake of global terrestrial ecosystems. Global Ecology and Biogeography, 2020, 29, 1020-1033.	2.7	11
119	Global karst vegetation regime and its response to climate change and human activities. Ecological Indicators, 2020, 113, 106208.	2.6	35
120	Agricultural productivity in relation to climate and cropland management in West Africa. Scientific Reports, 2020, 10, 3393.	1.6	41
121	Elevational differences in the net primary productivity response to climate constraints in a dryland mountain ecosystem of northwestern China. Land Degradation and Development, 2020, 31, 2087-2103.	1.8	34
122	Nutrients and water availability constrain the seasonality of vegetation activity in a Mediterranean ecosystem. Global Change Biology, 2020, 26, 4379-4400.	4.2	27
123	The Interactive Effects of Chilling, Photoperiod, and Forcing Temperature on Flowering Phenology of Temperate Woody Plants. Frontiers in Plant Science, 2020, 11, 443.	1.7	27
124	Impact of spring phenology variation on GPP and its lag feedback for winter wheat over the North China Plain. Science of the Total Environment, 2020, 725, 138342.	3.9	10
125	Change Analysis of Spring Vegetation Green-Up Date in Qinba Mountains under the Support of Spatiotemporal Data Cube. Journal of Sensors, 2020, 2020, 1-12.	0.6	5
126	Combined MODIS land surface temperature and greenness data for modeling vegetation phenology, physiology, and gross primary production in terrestrial ecosystems. Science of the Total Environment, 2020, 726, 137948.	3.9	18

#	Article	IF	Citations
127	Environmental and biotic controls on the interannual variations in CO2 fluxes of a continental monsoon temperate forest. Agricultural and Forest Meteorology, 2021, 296, 108232.	1.9	23
128	Global patterns and climatic drivers of above- and belowground net primary productivity in grasslands. Science China Life Sciences, 2021, 64, 739-751.	2.3	23
129	Monitoring tree-crown scale autumn leaf phenology in a temperate forest with an integration of PlanetScope and drone remote sensing observations. ISPRS Journal of Photogrammetry and Remote Sensing, 2021, 171, 36-48.	4.9	51
130	Diverse and divergent influences of phenology on herbaceous aboveground biomass across the Tibetan Plateau alpine grasslands. Ecological Indicators, 2021, 121, 107036.	2.6	11
131	Varying temperature sensitivity of bud-burst date at different temperature conditions. International Journal of Biometeorology, 2021, 65, 357-367.	1.3	5
132	Recent advances in the understanding of ecosystem processes at eddy covariance CO₂ flux sites in East Asian forest ecosystems: a review. J Agricultural Meteorology, 2021, 77, 52-65.	0.8	5
133	Impacts of nitrogen enrichment on vegetation growth dynamics are regulated by grassland degradation status. Land Degradation and Development, 2021, 32, 4056-4066.	1.8	7
134	Seasonal biological carryover dominates northern vegetation growth. Nature Communications, 2021, 12, 983.	5.8	45
135	Uniforming spring phenology under non-uniform climate warming across latitude in China. Science of the Total Environment, 2021, 762, 143177.	3.9	16
137	Changes in spring vegetation greenness over Siberia associated with weather disturbances during 1982â€“2015. International Journal of Climatology, 2021, 41, 4698.	1.5	2
138	Joint Influence Mechanism of Phenology and Climate on the Dynamics of Gross Primary Productivity: Insights From Temperate Deciduous Broadleaf Forests in North America. Journal of Geophysical Research G: Biogeosciences, 2021, 126, e2020JG006049.	1.3	2
139	Evaluation potential of PGPR to protect tomato against Fusarium wilt and promote plant growth. PeerJ, 2021, 9, e11194.	0.9	15
140	Potential ecological impacts of climate intervention by reflecting sunlight to cool Earth. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	46
141	Groundâ€Based Multiangle Solarâ€Induced Chlorophyll Fluorescence Observation and Angular Normalization for Assessing Crop Productivity. Journal of Geophysical Research G: Biogeosciences, 2021, 126, e2020JG006082.	1.3	4
142	Plastic bimodal growth in a Mediterranean mixed-forest of Quercus ilex and Pinus halepensis. Dendrochronologia, 2021, 67, 125836.	1.0	23
143	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
144	Functional traits predict treeâ€level phenological strategies in a mesic Indian savanna. Biotropica, 2021, 53, 1432-1441.	0.8	1
145	Quantifying the indirect effects of urbanization on urban vegetation carbon uptake in the megacity of Shanghai, China. Environmental Research Letters, 2021, 16, 064088.	2.2	13

#	Article	IF	Citations
146	ECOSTRESS estimates gross primary production with fine spatial resolution for different times of day from the International Space Station. Remote Sensing of Environment, 2021, 258, 112360.	4.6	33
148	Combining gradual and abrupt analysis to detect variation of vegetation greenness on the loess areas of China. Frontiers of Earth Science, 2022, 16, 368-380.	0.9	4
149	Is the grass always greener? Land surface phenology reveals differences in peak and seasonâ€long vegetation productivity responses to climate and management. Ecology and Evolution, 2021, 11, 11168-11199.	0.8	7
150	Spatial, Phenological, and Inter-Annual Variations of Gross Primary Productivity in the Arctic from 2001 to 2019. Remote Sensing, 2021, 13, 2875.	1.8	2
151	Estimating global maximum gross primary productivity of vegetation based on the combination of MODIS greenness and temperature data. Ecological Informatics, 2021, 63, 101307.	2.3	8
152	Can vegetation index track the interannual variation in gross primary production of temperate deciduous forests?. Ecological Processes, 2021, 10, .	1.6	13
153	Growing faster, longer or both? Modelling plastic response of Juniperus communis growth phenology to climate change. Global Ecology and Biogeography, 2021, 30, 2229-2244.	2.7	19
155	Decreased precipitation in the late growing season weakens an ecosystem carbon sink in a semiâ€arid grassland. Journal of Applied Ecology, 2021, 58, 2101-2112.	1.9	7
156	A modified two-leaf light use efficiency model for improving the simulation of GPP using a radiation scalar. Agricultural and Forest Meteorology, 2021, 307, 108546.	1.9	33
157	Coupling Photosynthetic Measurements with Biometric Data to Estimate Gross Primary Productivity (GPP) in Mediterranean Pine Forests of Different Post-Fire Age. Forests, 2021, 12, 1256.	0.9	6
158	Using remote sensing to identify the peak of the growing season at globally-distributed flux sites: A comparison of models, sensors, and biomes. Agricultural and Forest Meteorology, 2021, 307, 108489.	1.9	1
159	Impacts of global change on peak vegetation growth and its timing in terrestrial ecosystems of the continental US. Global and Planetary Change, 2021, 207, 103657.	1.6	15
160	Interannual and spatial variability of net ecosystem production in forests explained by an integrated physiological indicator in summer. Ecological Indicators, 2021, 129, 107982.	2.6	7
161	Legacy effects of spring phenology on vegetation growth under preseason meteorological drought in the Northern Hemisphere. Agricultural and Forest Meteorology, 2021, 310, 108630.	1.9	41
162	Spatiotemporal variability of ecosystem water use efficiency in northern Ethiopia during 1982â€“2014. Journal of Hydrology, 2021, 603, 126863.	2.3	12
163	A traceability analysis system for model evaluation on land carbon dynamics: design and applications. Ecological Processes, 2021, 10, .	1.6	7
164	Understanding the role of phenology and summer physiology in controlling net ecosystem production: a multiscale comparison of satellite, PhenoCam and eddy covariance data. Environmental Research Letters, 2020, 15, 104086.	2.2	7
165	Ecophysiological adjustments of a pine forest to enhance early spring activity in hot and dry climate. Environmental Research Letters, 2020, 15, 114054.	2.2	6

#	Article	IF	Citations
166	Alpine grassland plants grow earlier and faster but biomass remains unchanged over 35 years of climate change. Ecology Letters, 2020, 23, 701-710.	3.0	124
167	Spatial variations in terrestrial net ecosystem productivity and its local indicators. Biogeosciences, 2020, 17, 6237-6246.	1.3	3
168	Reducing model uncertainty of climate change impacts on high latitude carbon assimilation. Global Change Biology, 2022, 28, 1222-1247.	4.2	6
169	Dynamic Global Vegetation Models. , 2019, , 843-863.		2
170	Climate Change and Vegetation Phenology. , 2020, , 25-39.		1
172	Using PhenoCams to track crop phenology and explain the effects of different cropping systems on yield. Agricultural Systems, 2022, 195, 103306.	3.2	15
173	Quantifying latitudinal variation in land surface phenology of Spartina alterniflora saltmarshes across coastal wetlands in China by Landsat 7/8 and Sentinel-2 images. Remote Sensing of Environment, 2022, 269, 112810.	4.6	30
174	Which factor explains the lifeâ€history of <scp>Xanthium strumarium</scp> L., an aggressive alien invasive plant species, along its altitudinal gradient?. Plant Direct, 2022, 6, e375.	0.8	9
175	NIRv and SIF better estimate phenology than NDVI and EVI: Effects of spring and autumn phenology on ecosystem production of planted forests. Agricultural and Forest Meteorology, 2022, 315, 108819.	1.9	56
176	The definition of the non-growing season matters: a case study of net ecosystem carbon exchange from a Canadian peatland. Environmental Research Communications, 2022, 4, 021003.	0.9	2
177	Comparison of Phenology Estimated From Monthly Vegetation Indices and Solar-Induced Chlorophyll Fluorescence in China. Frontiers in Earth Science, 2022, 10, .	0.8	0
178	Precipitation temporal repackaging into fewer, larger storms delayed seasonal timing of peak photosynthesis in a semiâ€arid grassland. Functional Ecology, 2022, 36, 646-658.	1.7	6
179	Global Vegetation Photosynthetic Phenology Products Based on MODIS Vegetation Greenness and Temperature: Modeling and Evaluation. Remote Sensing, 2021, 13, 5080.	1.8	2
180	Effects of ecosystem types on the spatial variations in annual gross primary productivity over terrestrial ecosystems of China. Science of the Total Environment, 2022, 833, 155242.	3.9	12
184	Functional genomics tools for studying microbe-mediated stress tolerance in plants. , 2022, , 175-204.		1
185	Contrasting Effects of Nitrogen Addition on Vegetative Phenology in Dry and Wet Years in a Temperate Steppe on the Mongolian Plateau. Frontiers in Plant Science, 2022, 13, 861794.	1.7	3
186	Cross-biome synthesis of source versus sink limits to tree growth. Science, 2022, 376, 758-761.	6.0	76
187	Stronger Spring Phenological Advance in Future Warming Scenarios for Temperate Species With a Lower Chilling Sensitivity. Frontiers in Plant Science, 2022, 13, .	1.7	5

#	Article	IF	Citations
188	Carbon Source Reduction Postpones Autumn Leaf Senescence in a Widespread Deciduous Tree. Frontiers in Plant Science, 2022, 13, .	1.7	1
189	Seasonal and interannual variations of ecosystem photosynthetic characteristics in a semi-arid grassland of Northern China. Journal of Plant Ecology, 2022, 15, 961-976.	1.2	7
190	Future reversal of warming-enhanced vegetation productivity in the Northern Hemisphere. Nature Climate Change, 2022, 12, 581-586.	8.1	47
191	Changes in grassland phenology and growth rate, rather than diversity, drive biomass production after fire. Agricultural and Forest Meteorology, 2022, 322, 109028.	1.9	6
192	Matrix Approach to Land Carbon Cycle Modeling. Journal of Advances in Modeling Earth Systems, 2022, 14, .	1.3	7
193	Seasonal and Inter-Annual Variations of Carbon Dioxide Fluxes and Their Determinants in an Alpine Meadow. Frontiers in Plant Science, 0, 13, .	1.7	1
194	Photosynthesis phenology, as defined by solar-induced chlorophyll fluorescence, is overestimated by vegetation indices in the extratropical Northern Hemisphere. Agricultural and Forest Meteorology, 2022, 323, 109027.	1.9	17
195	Warming and spring precipitation addition change plant growth pattern but have minor effects on growing season mean gross ecosystem productivity in an alpine meadow. Science of the Total Environment, 2022, 841, 156712.	3.9	4
196	Warming-induced increase in carbon uptake is linked to earlier spring phenology in temperate and boreal forests. Nature Communications, 2022, 13, .	5.8	27
197	Responses of Vegetation Autumn Phenology to Climatic Factors in Northern China. Sustainability, 2022, 14, 8590.	1.6	3
198	Dryness controls temperature-optimized gross primary productivity across vegetation types. Agricultural and Forest Meteorology, 2022, 323, 109073.	1.9	3
199	Growth peak of vegetation and its response to drought on the Mongolian Plateau. Ecological Indicators, 2022, 141, 109150.	2.6	11
200	Elevated [<scp> CO ₂ </scp>] raises the temperature optimum of photosynthesis and thus promotes net photosynthesis of winter wheat and rice. Physiologia Plantarum, 2022, 174, .	2.6	1
201	Satellite Observed Land Surface Greening in Summer Controlled by the Precipitation Frequency Rather Than Its Total Over Tibetan Plateau. Earth's Future, 2022, 10, .	2.4	4
202	TROPOMI SIF reveals large uncertainty in estimating the end of plant growing season from vegetation indices data in the Tibetan Plateau. Remote Sensing of Environment, 2022, 280, 113209.	4.6	15
203	Spatiotemporal evolutionary and mechanism analysis of grassland GPP in China. Ecological Indicators, 2022, 143, 109323.	2.6	7
204	Joint control of alpine meadow productivity by plant phenology and photosynthetic capacity. Agricultural and Forest Meteorology, 2022, 325, 109135.	1.9	11
205	Photosynthetic capacity dominates the interannual variation of annual gross primary productivity in the Northern Hemisphere. Science of the Total Environment, 2022, 849, 157856.	3.9	6

#	Article	IF	Citations
206	The consequences of urbanization on vegetation photosynthesis in the Yangtze River Delta, China. Frontiers in Forests and Global Change, 0, 5, .	1.0	0
207	The carbon budget of the managed grasslands of Great Britain â€“ informed by earth observations. Biogeosciences, 2022, 19, 4147-4170.	1.3	2
208	Excess radiation exacerbates drought stress impacts on canopy conductance along aridity gradients. Biogeosciences, 2022, 19, 4197-4208.	1.3	0
209	Antecedent climatic conditions spanning several years influence multiple land-surface phenology events in semi-arid environments. Frontiers in Ecology and Evolution, 0, 10, .	1.1	2
210	Diverse impacts of day and night temperature on spring phenology in freshwater marshes of the Tibetan Plateau. Limnology and Oceanography Letters, 2023, 8, 323-329.	1.6	13
211	Evaluating fine-scale phenology from PlanetScope satellites with ground observations across temperate forests in eastern North America. Remote Sensing of Environment, 2022, 283, 113310.	4.6	12
212	Seasonal dynamics of carbon dioxide and water fluxes in a rice-wheat rotation system in the Yangtze-Huaihe region of China. Agricultural Water Management, 2023, 275, 107992.	2.4	11
213	Mapping Chinese annual gross primary productivity with eddy covariance measurements and machine learning. Science of the Total Environment, 2023, 857, 159390.	3.9	11
214	Climate Controls on the Spatial Variability of Vegetation Greenup Rate across Ecosystems in Northern Hemisphere. Plants, 2022, 11, 2971.	1.6	0
215	Net primary productivity exhibits a stronger climatic response in planted versus natural forests. Forest Ecology and Management, 2023, 529, 120722.	1.4	13
216	Seasonal peak photosynthesis is hindered by late canopy development in northern ecosystems. Nature Plants, 2022, 8, 1484-1492.	4.7	8
217	A stronger advance of urban spring vegetation phenology narrows vegetation productivity difference between urban settings and natural environments. Science of the Total Environment, 2023, 868, 161649.	3.9	4
218	An ecologically-constrained deep learning model for tropical leaf phenology monitoring using PlanetScope satellites. Remote Sensing of Environment, 2023, 286, 113429.	4.6	10
219	The spatiotemporal response of photosynthetic accumulation per leaf area to climate change on alpine grassland. Global Ecology and Conservation, 2023, 43, e02467.	1.0	0
220	Contrasting responses of peak vegetation growth to asymmetric warming: Evidences from FLUXNET and satellite observations. Global Change Biology, 2023, 29, 2363-2379.	4.2	4
221	Linear dependency of winter wheat yield and nitrogen use efficiency on the pre-anthesis temperature in the lower reach of the Yangtze River. European Journal of Agronomy, 2023, 145, 126773.	1.9	2
222	A Radiation-Regulated Dynamic Maximum Light Use Efficiency for Improving Gross Primary Productivity Estimation. Remote Sensing, 2023, 15, 1176.	1.8	4
223	Observations of Satellite Land Surface Phenology Indicate That Maximum Leaf Greenness Is More Associated With Global Vegetation Productivity Than Growing Season Length. Global Biogeochemical Cycles, 2023, 37, .	1.9	2

#	Article	IF	Citations
224	Integrating multiple plant functional traits to predict ecosystem productivity. Communications Biology, 2023, 6, .	2.0	7
225	Underestimated Interannual Variability of Terrestrial Vegetation Production by Terrestrial Ecosystem Models. Global Biogeochemical Cycles, 2023, 37, .	1.9	4