

Warming experiments underpredict plant phenological

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Evolutionary and Ecological Responses to Anthropogenic Climate Change. <i>Plant Physiology</i> , 2012, 160, 1728-1740.	2.3	117
2	Towards Cyber-Eco Systems: Networked Sensing, Inference and Control for Distributed Ecological Experiments. , 2012, , .		3
3	Climate Change: Resetting Plant-Insect Interactions. <i>Plant Physiology</i> , 2012, 160, 1677-1685.	2.3	302
4	A physiological trait-based approach to predicting the responses of species to experimental climate warming. <i>Ecology</i> , 2012, 93, 2305-2312.	1.5	113
7	Consequences of Climate Warming and Altered Precipitation Patterns for Plant-Insect and Multitrophic Interactions. <i>Plant Physiology</i> , 2012, 160, 1719-1727.	2.3	279
8	Some like it hot, some like it warm: Phenotyping to explore thermotolerance diversity. <i>Plant Science</i> , 2012, 195, 10-23.	1.7	169
9	Phenological tracking enables positive species responses to climate change. <i>Ecology</i> , 2012, 93, 1765-1771.	1.5	260
10	Precision Editing of Large Animal Genomes. <i>Advances in Genetics</i> , 2012, 80, 37-97.	0.8	102
11	Irreversible impacts of heat on the emissions of monoterpenes, sesquiterpenes, phenolic BVOC and green leaf volatiles from several tree species. <i>Biogeosciences</i> , 2012, 9, 5111-5123.	1.3	84
12	Flowering in the greenhouse. <i>Nature</i> , 2012, 485, 448-449.	13.7	10
13	Nonlinear effects of elevated temperature on grapevine phenology. <i>Agricultural and Forest Meteorology</i> , 2013, 173, 107-115.	1.9	71
14	The Vulnerability of Biodiversity to Rapid Climate Change. , 2013, , 185-201.		4
15	Genomics and Breeding for Climate-Resilient Crops. , 2013, , .		10
16	Global imprint of climate change on marine life. <i>Nature Climate Change</i> , 2013, 3, 919-925.	8.1	1,602
17	Drought and Its Consequences to Plants " From Individual to Ecosystem. , 0, , .		35
18	Tree growth response along an elevational gradient: climate or genetics?. <i>Oecologia</i> , 2013, 173, 1587-1600.	0.9	109
19	The plant phenological online database (PPODB): an online database for long-term phenological data. <i>International Journal of Biometeorology</i> , 2013, 57, 805-812.	1.3	14
20	Multiple phenological responses to climate change among 42 plant species in Xi'an, China. <i>International Journal of Biometeorology</i> , 2013, 57, 749-758.	1.3	55

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21	How do weather extremes affect rice productivity in a changing climate? An answer to episodic lack of sunshine. <i>Global Change Biology</i> , 2013, 19, 1300-1310.	4.2	14
22	Experimental warming studies on tree species and forest ecosystems: a literature review. <i>Journal of Plant Research</i> , 2013, 126, 447-460.	1.2	104
23	Means and extremes: building variability into community-level climate change experiments. <i>Ecology Letters</i> , 2013, 16, 799-806.	3.0	278
24	Terrestrial Carbon Cycle: Climate Relations in Eight CMIP5 Earth System Models. <i>Journal of Climate</i> , 2013, 26, 8744-8764.	1.2	88
25	Temperature-dependent shifts in phenology contribute to the success of exotic species with climate change. <i>American Journal of Botany</i> , 2013, 100, 1407-1421.	0.8	140
26	Ambient temperature signalling in plants. <i>Current Opinion in Plant Biology</i> , 2013, 16, 661-666.	3.5	181
27	Community and Ecosystem Responses to Elevational Gradients: Processes, Mechanisms, and Insights for Global Change. <i>Annual Review of Ecology, Evolution, and Systematics</i> , 2013, 44, 261-280.	3.8	484
28	Phenology: An Integrative Environmental Science. , 2013, , .		97
30	Evidence of current impact of climate change on life: a walk from genes to the biosphere. <i>Global Change Biology</i> , 2013, 19, 2303-2338.	4.2	316
31	Physiological and growth responses of switchgrass (<i>Panicum virgatum</i>) to experimental warming. <i>Agricultural and Forest Meteorology</i> , 2013, 181, 683-692.	2.5	13
32	Sensitivity of leaf unfolding to experimental warming in three temperate tree species. <i>Agricultural and Forest Meteorology</i> , 2013, 181, 125-132.	1.9	95
33	Historical ecology: Using unconventional data sources to test for effects of global environmental change. <i>American Journal of Botany</i> , 2013, 100, 1294-1305.	0.8	143
34	Response of chestnut phenology in China to climate variation and change. <i>Agricultural and Forest Meteorology</i> , 2013, 180, 164-172.	1.9	73
35	Performance of tree phenology models along a bioclimatic gradient in Sweden. <i>Ecological Modelling</i> , 2013, 266, 103-117.	1.2	26
36	Climate change and the optimal flowering time of annual plants in seasonal environments. <i>Global Change Biology</i> , 2013, 19, 197-207.	4.2	35
37	A plant's perspective of extremes: terrestrial plant responses to changing climatic variability. <i>Global Change Biology</i> , 2013, 19, 75-89.	4.2	393
38	Plant functional traits mediate reproductive phenology and success in response to experimental warming and snow addition in Tibet. <i>Global Change Biology</i> , 2013, 19, 459-472.	4.2	197
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41	High temperature acclimation through PIF4 signaling. <i>Trends in Plant Science</i> , 2013, 18, 59-64.	4.3	94
42	Latitudinal gradients as natural laboratories to infer species' responses to temperature. <i>Journal of Ecology</i> , 2013, 101, 784-795.	1.9	315
43	Beyond climate change attribution in conservation and ecological research. <i>Ecology Letters</i> , 2013, 16, 58-71.	3.0	167
44	Climate change, phenology, and phenological control of vegetation feedbacks to the climate system. <i>Agricultural and Forest Meteorology</i> , 2013, 169, 156-173.	1.9	1,526
45	Can spatial data substitute temporal data in phenological modelling? A survey using birch flowering. <i>Tree Physiology</i> , 2013, 33, 1256-1268.	1.4	46
46	En route to improved phenological models: can space-for-time substitution give guidance?. <i>Tree Physiology</i> , 2013, 33, 1253-1255.	1.4	10
47	Quantitative Assessment of the Importance of Phenotypic Plasticity in Adaptation to Climate Change in Wild Bird Populations. <i>PLoS Biology</i> , 2013, 11, e1001605.	2.6	143
48	Flowering date of taxonomic families predicts phenological sensitivity to temperature: Implications for forecasting the effects of climate change on unstudied taxa. <i>American Journal of Botany</i> , 2013, 100, 1381-1397.	0.8	54
49	Climate warming shifts carbon allocation from stemwood to roots in calcium-depleted spruce forests. <i>Global Biogeochemical Cycles</i> , 2013, 27, 101-107.	1.9	34
50	A meta-analysis of the response of soil moisture to experimental warming. <i>Environmental Research Letters</i> , 2013, 8, 044027.	2.2	61
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52	Flowering Time. , 2013, , 1-66.		26
53	Participatory Breeding for Climate Change-Related Traits. , 2013, , 331-376.		41
54	Phenologies of North American Grasslands and Grasses. , 2013, , 197-210.		13
55	Model systems for a no-analog future: species associations and climates during the last deglaciation. <i>Annals of the New York Academy of Sciences</i> , 2013, 1297, 29-43.	1.8	42
57	Can the past predict the future? Experimental tests of historically based population models. <i>Global Change Biology</i> , 2013, 19, 1793-1803.	4.2	7
58	Independent effects of warming and nitrogen addition on plant phenology in the Inner Mongolian steppe. <i>Annals of Botany</i> , 2013, 111, 1207-1217.	1.4	96

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60	Phenological overlap of interacting species in a changing climate: an assessment of available approaches. <i>Ecology and Evolution</i> , 2013, 3, 3183-3193.	0.8	70
61	Phenological response of tropical plants to regional climate change in Xishuangbanna, south-western China. <i>Journal of Tropical Ecology</i> , 2013, 29, 161-172.	0.5	31
62	Eco-evolutionary responses of <i>Bromus tectorum</i> to climate change: implications for biological invasions. <i>Ecology and Evolution</i> , 2013, 3, 1374-1387.	0.8	41
63	Citizen Science: linking the recent rapid advances of plant flowering in Canada with climate variability. <i>Scientific Reports</i> , 2013, 3, 2239.	1.6	24
64	Impact of Global Warming on Mountain and Polar Ecosystems: What Have Artificial Warming Experiments Told?. <i>Journal of Geography (Chigaku Zasshi)</i> , 2013, 122, 628-637.	0.1	5
65	Record-Breaking Early Flowering in the Eastern United States. <i>PLoS ONE</i> , 2013, 8, e53788.	1.1	132
67	Using Historical and Experimental Data to Reveal Warming Effects on Ant Assemblages. <i>PLoS ONE</i> , 2014, 9, e88029.	1.1	24
68	Earlier-Season Vegetation Has Greater Temperature Sensitivity of Spring Phenology in Northern Hemisphere. <i>PLoS ONE</i> , 2014, 9, e88178.	1.1	98
69	Growth and Phenology of Three Dwarf Shrub Species in a Six-Year Soil Warming Experiment at the Alpine Treeline. <i>PLoS ONE</i> , 2014, 9, e100577.	1.1	36
71	Focused Campaign Increases Activity among Participants in Nature's Notebook , a Citizen Science Project. <i>Journal of Natural Resources and Life Sciences Education</i> , 2014, 43, 64-72.	0.8	15
72	Variation in 13 leaf morphological and physiological traits within a silver birch (<i>Betula</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 657-665.	0.8	27
73	Is the use of cuttings a good proxy to explore phenological responses of temperate forests in warming and photoperiod experiments?. <i>Tree Physiology</i> , 2014, 34, 174-183.	1.4	83
74	Asymmetric sensitivity of first flowering date to warming and cooling in alpine plants. <i>Ecology</i> , 2014, 95, 3387-3398.	1.5	67
75	Addressing new challenges in climate change research by highlighting biological complexity. <i>Climate Change Responses</i> , 2014, 1, .	2.6	0
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77	Effects of water availability and pest pressures on tea (<i>Camellia sinensis</i>) growth and functional quality. <i>AoB PLANTS</i> , 2014, 6, .	1.2	42
78	Phenological niches and the future of invaded ecosystems with climate change. <i>AoB PLANTS</i> , 2014, 6, .	1.2	107

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80	Changes in first flowering dates and flowering duration of 232 plant species on the island of Guernsey. <i>Global Change Biology</i> , 2014, 20, 3508-3519.	4.2	90
81	The seasonal timing of warming that controls onset of the growing season. <i>Global Change Biology</i> , 2014, 20, 1136-1145.	4.2	63
82	Drivers of leaf-out phenology and their implications for species invasions: insights from <i>horeau's concord</i> . <i>New Phytologist</i> , 2014, 202, 106-115.	3.5	130
83	Heat stress in crop plants: its nature, impacts and integrated breeding strategies to improve heat tolerance. <i>Plant Breeding</i> , 2014, 133, 679-701.	1.0	144
84	Predicting the sensitivity of butterfly phenology to temperature over the past century. <i>Global Change Biology</i> , 2014, 20, 504-514.	4.2	56
85	Common garden comparison of the leaf-out phenology of woody species from different native climates, combined with herbarium records, forecasts long-term change. <i>Ecology Letters</i> , 2014, 17, 1016-1025.	3.0	112
86	Process-based models not always better than empirical models for simulating budburst of Norway spruce and birch in Europe. <i>Global Change Biology</i> , 2014, 20, 3492-3507.	4.2	44
87	Boreal plant decline in southern Sweden during the twentieth century. <i>New Journal of Botany</i> , 2014, 4, 76-84.	0.2	14
88	Elevated [CO ₂] and growth temperature have a small positive effect on photosynthetic thermotolerance of <i>Pinus taeda</i> seedlings. <i>Trees - Structure and Function</i> , 2014, 28, 1515-1526.	0.9	5
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90	Spatiotemporal analysis of ground-based woody plant leafing in response to temperature in temperate eastern China. <i>International Journal of Biometeorology</i> , 2014, 58, 1583-1592.	1.3	3
91	Timing and duration of phenological sequences of alpine plants along an elevation gradient on the Tibetan plateau. <i>Agricultural and Forest Meteorology</i> , 2014, 189-190, 220-228.	1.9	69
92	Tree mortality in response to climate change induced drought across Beijing, China. <i>Climatic Change</i> , 2014, 124, 179-190.	1.7	35
93	Climatic factors controlling plant sensitivity to warming. <i>Climatic Change</i> , 2014, 122, 723-734.	1.7	32
94	Standardized phenology monitoring methods to track plant and animal activity for science and resource management applications. <i>International Journal of Biometeorology</i> , 2014, 58, 591-601.	1.3	166
95	Terrestrial carbon cycle affected by non-uniform climate warming. <i>Nature Geoscience</i> , 2014, 7, 173-180.	5.4	226
96	Climate change, adaptation, and phenotypic plasticity: the problem and the evidence. <i>Evolutionary Applications</i> , 2014, 7, 1-14.	1.5	952

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98	Does humidity trigger tree phenology? Proposal for an air humidity based framework for bud development in spring. <i>New Phytologist</i> , 2014, 202, 350-355.	3.5	57
99	Anthropogenic edges, isolation and the flowering time and fruit set of <i>Anadenanthera peregrina</i> , a cerrado savanna tree. <i>International Journal of Biometeorology</i> , 2014, 58, 443-454.	1.3	19
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102	Progress towards an interdisciplinary science of plant phenology: building predictions across space, time and species diversity. <i>New Phytologist</i> , 2014, 201, 1156-1162.	3.5	130
103	Plant growth and mortality under climatic extremes: An overview. <i>Environmental and Experimental Botany</i> , 2014, 98, 13-19.	2.0	157
104	Timing is Everything: An Overview of Phenological Changes to Plants and Their Pollinators. <i>Natural Areas Journal</i> , 2014, 34, 227-234.	0.2	33
105	Common Sunflower Seedling Emergence across the U.S. Midwest. <i>Weed Science</i> , 2014, 62, 63-70.	0.8	6
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107	Predicting flowering phenology in a subarctic plant community. <i>Botany</i> , 2014, 92, 749-756.	0.5	9
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113	Climate change and grazing interact to alter flowering patterns in the Mongolian steppe. <i>Oecologia</i> , 2014, 175, 251-260.	0.9	18
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116	Terrestrial and Inland Water Systems. , 0, , 271-360.		25
117	Tropical rainforest response to marine sky brightening climate engineering. <i>Geophysical Research Letters</i> , 2015, 42, 2951-2960.	1.5	21
118	Decentralized circadian clocks process thermal and photoperiodic cues in specific tissues. <i>Nature Plants</i> , 2015, 1, 15163.	4.7	61
119	Sensitivity of flowering phenology to changing temperature in China. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2015, 120, 1658-1665.	1.3	44
120	Parameterization of temperature sensitivity of spring phenology and its application in explaining diverse phenological responses to temperature change. <i>Scientific Reports</i> , 2015, 5, 8833.	1.6	39
121	Divergent responses of leaf phenology to changing temperature among plant species and geographical regions. <i>Ecosphere</i> , 2015, 6, 1-8.	1.0	29
122	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
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126	Effects of temperature and drought manipulations on seedlings of Scots pine provenances. <i>Plant Biology</i> , 2015, 17, 361-372.	1.8	47
127	H2A.Z mediates different aspects of chromatin function and modulates flowering responses in <i>Arabidopsis</i> . <i>Plant Journal</i> , 2015, 83, 96-109.	2.8	59
128	Temperature sensitivity as an explanation of the latitudinal pattern of green-up date trend in Northern Hemisphere vegetation during 1982-2008. <i>International Journal of Climatology</i> , 2015, 35, 3707-3712.	1.5	44
129	The change of climate and terrestrial carbon cycle over Tibetan Plateau in CMIP5 models. <i>International Journal of Climatology</i> , 2015, 35, 4359-4369.	1.5	16
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131	Characterising the Land Surface Phenology of Europe Using Decadal MERIS Data. <i>Remote Sensing</i> , 2015, 7, 9390-9409.	1.8	39
132	Modelling short-term variability in carbon and water exchange in a temperate Scots pine forest. <i>Earth System Dynamics</i> , 2015, 6, 485-503.	2.7	8

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135	Flowering and fruiting responses to climate change of two Arctic plant species, purple saxifrage (<i>Saxifraga oppositifolia</i>) and mountain avens (<i>Dryas integrifolia</i>). Arctic Science, 2015, 1, 45-58.	0.9	20
136	Phylogenetic and climatic constraints drive flowering phenological patterns in a subtropical nature reserve. Journal of Plant Ecology, 2015, 8, 187-196.	1.2	15
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138	Nonlinear response of vegetation green-up to local temperature variations in temperate and boreal forests in the Northern Hemisphere. Remote Sensing of Environment, 2015, 165, 100-108.	4.6	60
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141	Conserving host-parasitoid interactions in a warming world. Current Opinion in Insect Science, 2015, 12, 79-85.	2.2	30
142	The effects of experimental warming on the timing of a plant-insect herbivore interaction. Journal of Animal Ecology, 2015, 84, 785-796.	1.3	26
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144	Joint control of terrestrial gross primary productivity by plant phenology and physiology. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 2788-2793.	3.3	265
145	Climate-induced changes in host tree-insect phenology may drive ecological state shift in boreal forests. Ecology, 2015, 96, 1480-1491.	1.5	138
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153	Modeling the effects of post-anthesis heat stress on rice phenology. <i>Field Crops Research</i> , 2015, 177, 26-36.	2.3	42
154	Diagnosing the strength of soil temperature in the land atmosphere interactions over Asia based on RegCM4 model. <i>Global and Planetary Change</i> , 2015, 130, 7-21.	1.6	9
155	Distinct effects of climate warming on populations of silver fir (<i>Abies alba</i>) across Europe. <i>Journal of Biogeography</i> , 2015, 42, 1150-1162.	1.4	140
156	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
157	Temporal variation overshadows the response of leaf litter microbial communities to simulated global change. <i>ISME Journal</i> , 2015, 9, 2477-2489.	4.4	112
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159	Leaf onset in the northern hemisphere triggered by daytime temperature. <i>Nature Communications</i> , 2015, 6, 6911.	5.8	384
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161	From observations to experiments in phenology research: investigating climate change impacts on trees and shrubs using dormant twigs. <i>Annals of Botany</i> , 2015, 116, 889-897.	1.4	67
162	Declining global warming effects on the phenology of spring leaf unfolding. <i>Nature</i> , 2015, 526, 104-107.	13.7	637
163	Spring greening in a warming world. <i>Nature</i> , 2015, 526, 48-49.	13.7	18
164	Nitrogen Addition Alters the Phenology of a Dominant Alpine Plant in Northern Tibet. <i>Arctic, Antarctic, and Alpine Research</i> , 2015, 47, 511-518.	0.4	24
165	Effects of different temperature regimes on flower development, microsporogenesis and fertility in bolting garlic (<i>Allium sativum</i>). <i>Functional Plant Biology</i> , 2015, 42, 514.	1.1	13
166	Adaptation of wheat, barley, canola, field pea and chickpea to the thermal environments of Australia. <i>Crop and Pasture Science</i> , 2015, 66, 1137.	0.7	63
167	Plant phenology and climate change. <i>Progress in Physical Geography</i> , 2015, 39, 460-482.	1.4	86
168	Direct and indirect effects of climate change on soil microbial and soil microbial-plant interactions: What lies ahead?. <i>Ecosphere</i> , 2015, 6, 1-21.	1.0	433
169	Responses of two understory herbs, <i>Maianthemum canadense</i> and <i>Eurybia macrophylla</i> , to experimental forest warming: Early emergence is the key to enhanced reproductive output. <i>American Journal of Botany</i> , 2015, 102, 1610-1624.	0.8	31

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171	A model framework for tree leaf colouring in Europe. <i>Ecological Modelling</i> , 2015, 316, 41-51.	1.2	14
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315	The role of plant phenology in stomatal ozone flux modeling. <i>Global Change Biology</i> , 2018, 24, 235-248.	4.2	22
316	Opposite effects of daytime and nighttime warming on top-down control of plant diversity. <i>Ecology</i> , 2018, 99, 13-20.	1.5	54
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326	Ambient changes exceed treatment effects on plant species abundance in global change experiments. <i>Global Change Biology</i> , 2018, 24, 5668-5679.	4.2	25
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