

# CITATION REPORT

List of articles citing

European phenological response to climate change matches the warming pattern

DOI: 10.1111/j.1365-2486.2006.01193.x  
Global Change Biology, 2006, 12, 1969-1976.

**Source:** <https://exaly.com/paper-pdf/40429663/citation-report.pdf>

**Version:** 2024-04-28

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper	IF	Citations
2156	Climate change. 9-21		
2155	Observing temporal processes in nature. 9-10		
2154	Divergence of reproductive phenology under climate warming. <b>2007</b> , 104, 198-202		425
2153	Comment on "Global genetic change tracks global climate warming in <i>Drosophila subobscura</i> ". <b>2007</b> , 315, 1497; author reply 1497		9
2152	Impact of global warming on a group of related species and their hybrids: cherry tree (Rosaceae) flowering at Mt. Takao, Japan. <b>2007</b> , 94, 1470-8		95
2151	Lateral thinking on data to identify climate impacts. <b>2007</b> , 22, 169-71		34
2150	Inter-annual variability in carbon dioxide exchange of an oak/grass savanna and open grassland in California. <b>2007</b> , 147, 157-171		318
2149	Increasing risk for negative ozone impacts on vegetation in northern Sweden. <b>2007</b> , 150, 96-106		29
2148	A phenology-based reconstruction of interannual changes in past spring seasons. <b>2007</b> , 112, n/a-n/a		59
2147	Exceptional European warmth of autumn 2006 and winter 2007: Historical context, the underlying dynamics, and its phenological impacts. <b>2007</b> , 34,		145
2146	Trends and temperature response in the phenology of crops in Germany. <i>Global Change Biology</i> , <b>2007</b> , 13, 1737-1747	11.4	197
2145	Climate envelope, life history traits and the resilience of birds facing global change. <i>Global Change Biology</i> , <b>2007</b> , 13, 1672-1684	11.4	257
2144	Response of plant species richness and primary productivity in shrublands along a north-south gradient in Europe to seven years of experimental warming and drought: reductions in primary productivity in the heat and drought year of 2003. <i>Global Change Biology</i> , <b>2007</b> , 13, 2563-2581	11.4	184
2143	The temperature response of C(3) and C(4) photosynthesis. <b>2007</b> , 30, 1086-106		711
2142	Rapid advancement of spring in the High Arctic. <b>2007</b> , 17, R449-51		223
2141	Climate change and increased environmental variability: Demographic responses in an estuarine harpacticoid copepod. <b>2007</b> , 209, 189-202		18
2140	Long-term trends in first arrival and first egg laying dates of some migrant and resident bird species in northern Italy. <b>2007</b> , 51, 553-63		37

2139	Integrating ongoing biodiversity monitoring: potential benefits and methods. <b>2008</b> , 17, 3357-3382	75
2138	Changing pollen types/concentrations/distribution in the United States: fact or fiction?. <b>2008</b> , 8, 418-24	30
2137	Bias in phenology assessments based on first appearance data of butterflies. <b>2008</b> , 156, 227-35	47
2136	Long-term changes in tree-ring - climate relationships at Mt. Patscherkofel (Tyrol, Austria) since the mid 1980s. <b>2008</b> , 22, 31-40	61
2135	Bayesian analysis of the species-specific lengthening of the growing season in two European countries and the influence of an insect pest. <b>2008</b> , 52, 209-18	37
2134	Trends in phenology of <i>Betula pubescens</i> across the boreal zone in Finland. <b>2008</b> , 52, 251-9	57
2133	Exploring relationships between phenological and weather data using smoothing. <b>2008</b> , 52, 463-70	29
2132	Net carbon dioxide losses of northern ecosystems in response to autumn warming. <b>2008</b> , 451, 49-52	759
2131	Attributing physical and biological impacts to anthropogenic climate change. <b>2008</b> , 453, 353-7	970
2130	Physiology-phenology interactions in a productive semi-arid pine forest. <b>2008</b> , 178, 603-16	104
2129	Flowering phenology in a species-rich temperate grassland is sensitive to warming but not elevated CO <sub>2</sub> . <b>2008</b> , 178, 815-822	63
2128	Complex seasonal patterns of primary producers at the land-sea interface. <b>2008</b> , 11, 1294-303	145
2127	Latitudinal patterns in the phenological responses of leaf colouring and leaf fall to climate change in Japan. <b>2008</b> , 17, 556-561	102
2126	A change in climate causes rapid evolution of multiple life-history traits and their interactions in an annual plant. <b>2008</b> , 21, 1321-34	101
2125	A model for predicting the emergence of dragonflies in a changing climate. <b>2008</b> , 53, 1868-1880	33
2124	Future atmospheric CO <sub>2</sub> leads to delayed autumnal senescence. <i>Global Change Biology</i> , <b>2008</b> , 14, 264-275	11.4 84
2123	Climatic connectivity between Africa and Europe may serve as a basis for phenotypic adjustment of migration schedules of trans-Saharan migratory birds. <i>Global Change Biology</i> , <b>2008</b> , 14, 250-263	11.4 41
2122	Spring phenology in boreal Eurasia over a nearly century time scale. <i>Global Change Biology</i> , <b>2008</b> , 14, 603-614	11.4 97

2121	GLOBE students, teachers, and scientists demonstrate variable differences between urban and rural leaf phenology. <i>Global Change Biology</i> , <b>2008</b> , 14, 1568-1580	11.4	44
2120	Long-term change in the phenology of spring phytoplankton: species-specific responses to nutrient enrichment and climatic change. <b>2008</b> , 96, 523-535		152
2119	Tree species range shifts at a continental scale: new predictive insights from a process-based model. <b>2008</b> , 96, 784-794		192
2118	How well do first flowering dates measure plant responses to climate change? The effects of population size and sampling frequency. <b>2008</b> , 96, 1289-1296		180
2117	Water resources and environmental change in a Mediterranean environment: The south-west sector of the Duero river basin (Spain). <b>2008</b> , 351, 126-138		52
2116	Mild winter and spring 2007 over western Europe led to a widespread early vegetation onset. <b>2008</b> , 35,		22
2115	Swiss spring plant phenology 2007: Extremes, a multi-century perspective, and changes in temperature sensitivity. <b>2008</b> , 35,		58
2114	Monitoring start of season in Alaska with GLOBE, AVHRR, and MODIS data. <b>2008</b> , 113, n/a-n/a		10
2113	Time series modeling and central European temperature impact assessment of phenological records over the last 250 years. <b>2008</b> , 113,		38
2112	A Mechanistic View of the Capacity of Forests to Cope with Climate Change. <b>2008</b> , 15-40		17
2111	Plant Phenology And Distribution In Relation To Recent Climate Change. <b>2008</b> , 135, 126-146		189
2110	Regional phenological models for forecasting the start and peak of the Quercus pollen season in Spain. <b>2008</b> , 148, 372-380		47
2109	Norway spruce ( <i>Picea abies</i> ): Bayesian analysis of the relationship between temperature and bud burst. <b>2008</b> , 148, 631-643		22
2108	Remote sensing data assimilation for a prognostic phenology model. <b>2008</b> , 113,		136
2107	Advancement of grapevine maturity in Australia between 1993 and 2006: putative causes, magnitude of trends and viticultural consequences. <b>2008</b> , 14, 33-45		128
2106	Changing temperature regimes have advanced the phenology of Odonata in the Netherlands. <b>2008</b> , 33, 394-402		76
2105	Phylogenetic patterns of species loss in Thoreau's woods are driven by climate change. <b>2008</b> , 105, 17029-33		424
2104	Impacts of Climate Variability, Trends and NAO on 20th Century European Plant Phenology. <b>2008</b> , 221-233		3

2103	Precipitation-dependent flowering of <i>Globularia alypum</i> and <i>Erica multiflora</i> in Mediterranean shrubland under experimental drought and warming, and its inter-annual variability. <b>2008</b> , 102, 275-85	56
2102	Zackenbergs in a Circumpolar Context. <b>2008</b> , 499-544	9
2101	Changes in the European Precipitation Climatologies as Derived by an Ensemble of Regional Models. <b>2008</b> , 21, 2540-2557	16
2100	Regardless of Whether Rising Atmospheric Carbon Dioxide Levels Increase Air Temperature, Flowering Phenology Will Be Affected. <b>2008</b> , 169, 1210-1218	13
2099	Mushroom fruiting and climate change. <b>2008</b> , 105, 3811-4	136
2098	Populations of migratory bird species that did not show a phenological response to climate change are declining. <b>2008</b> , 105, 16195-200	474
2097	Seed Yield and Yield Stability of Chickpea in Response to Cropping Systems and Soil Fertility in Northern Latitudes. <b>2009</b> , 101, 1113-1122	21
2096	Leaf Area Index (LAI) Estimation of Boreal Forest Using Wide Optics Airborne Winter Photos. <b>2009</b> , 1, 1380-1394	19
2095	Climate change effects on migration phenology may mismatch brood parasitic cuckoos and their hosts. <b>2009</b> , 5, 539-41	68
2094	Circumpolar synchrony in big river bacterioplankton. <b>2009</b> , 106, 21208-12	107
2093	Climate change effects on native fauna of northeastern forestsThis article is one of a selection of papers from NE Forests 2100: A Synthesis of Climate Change Impacts on Forests of the Northeastern US and Eastern Canada.. <b>2009</b> , 39, 249-263	50
2092	Periodically forced food-chain dynamics: model predictions and experimental validation. <b>2009</b> , 90, 3099-107	11
2091	Ecology. Seasons and life cycles. <b>2009</b> , 324, 886-7	93
2090	Climate Change Impacts: Vegetation. <b>2009</b> ,	21
2089	Climate change and its marginalizing effect on agriculture. <b>2009</b> , 68, 896-904	20
2088	SPN: A model for the study of soil-plant nitrogen fluxes in silage maize cultivation. <b>2009</b> , 30, 283-295	14
2087	Olive flowering phenology variation between different cultivars in Spain and Italy: modeling analysis. <b>2009</b> , 95, 385-395	50
2086	A comparison among olive flowering trends in different Mediterranean areas (south-central Italy) in relation to meteorological variations. <b>2009</b> , 97, 339-347	18

2085	Responses of canopy duration to temperature changes in four temperate tree species: relative contributions of spring and autumn leaf phenology. <b>2009</b> , 161, 187-98		206
2084	Response of birds to climatic variability; evidence from the western fringe of Europe. <b>2009</b> , 53, 211-20		23
2083	Risk of spring frost to apple production under future climate scenarios: the role of phenological acclimation. <b>2009</b> , 53, 273-86		104
2082	Urbanisation induces early flowering: evidence from <i>Platanus acerifolia</i> and <i>Prunus cerasus</i> . <b>2009</b> , 53, 287-98		81
2081	Biodiversity monitoring: some proposals to adequately study species responses to climate change. <b>2009</b> , 18, 3185-3203		58
2080	A forced response to twentieth century climate conditions of two Spanish forests inferred from widths and stable isotopes of tree rings. <b>2009</b> , 97, 229-252		13
2079	Little Ice Age Farming in Finland: Preindustrial Agriculture on the Edge of the Grim Reaper's Scythe. <b>2009</b> , 37, 213-225		41
2078	Effects of recent climate change on phytoplankton phenology in a temperate lake. <b>2009</b> , 54, 1888-1898		56
2077	Beyond gradual warming: extreme weather events alter flower phenology of European grassland and heath species. <i>Global Change Biology</i> , <b>2009</b> , 15, 837-849	11.4	167
2076	Influence of temperature on the spatial distribution of first spawning dates of the common frog ( <i>Rana temporaria</i> ) in the UK. <i>Global Change Biology</i> , <b>2009</b> , 15, 467-473	11.4	27
2075	Leaf phenology in 22 North American tree species during the 21st century. <i>Global Change Biology</i> , <b>2009</b> , 15, 961-975	11.4	235
2074	Spatio-temporal impact of climate change on the activity and voltinism of the spruce bark beetle, <i>Ips typographus</i> . <i>Global Change Biology</i> , <b>2009</b> , 15, 486-499	11.4	191
2073	Long-term temporal changes of plant phenology in the Western Mediterranean. <i>Global Change Biology</i> , <b>2009</b> , 15, 1930-1948	11.4	144
2072	Climate-driven changes in abundance and distribution of larvae of oceanic fishes in the southern California region. <i>Global Change Biology</i> , <b>2009</b> , 15, 2137-2152	11.4	92
2071	Intercomparison, interpretation, and assessment of spring phenology in North America estimated from remote sensing for 1982-2006. <i>Global Change Biology</i> , <b>2009</b> , 15, 2335-2359	11.4	710
2070	Temporal dynamics of marginal steppic vegetation over a 26-year period of substantial environmental change. <b>2009</b> , 20, 299-310		18
2069	Ecological implications of plants ability to tell the time. <b>2009</b> , 12, 583-92		44
2068	Changes in the onset of spring growth in shrubland species in response to experimental warming along a north-south gradient in Europe. <b>2009</b> , 18, 473-484		41

2067	Changes in phenology of hoverflies in a central England garden. <b>2009</b> , 2, 29-35	16
2066	The melting Himalayas: cascading effects of climate change on water, biodiversity, and livelihoods. <b>2009</b> , 23, 520-30	587
2065	Contrasted impacts of climate change on stream fish assemblages along an environmental gradient. <b>2009</b> , 15, 613-626	81
2064	The role of botanical gardens in climate change research. <b>2009</b> , 182, 303-313	119
2063	Ecological impacts of early 21st century agricultural change in Europe--a review. <b>2009</b> , 91, 22-46	783
2062	Climate change in Europe. 1. Impact on terrestrial ecosystems and biodiversity. A review. <b>2009</b> , 29, 409-421	54
2061	Climate change and the flowering time of annual crops. <b>2009</b> , 60, 2529-39	320
2060	The impact of climate change on cherry trees and other species in Japan. <b>2009</b> , 142, 1943-1949	86
2059	Spatial and interspecific variability in phenological responses to warming temperatures. <b>2009</b> , 142, 2569-2577	165
2058	The first cuckoo in winter: Phenology, recording, credibility and meaning in Britain. <b>2009</b> , 19, 173-179	49
2057	Global warming and sexual plant reproduction. <b>2009</b> , 14, 30-6	350
2056	Botanic gardens science for conservation and global change. <b>2009</b> , 14, 608-13	66
2055	Response of a Mediterranean semiarid community to changing patterns of water supply. <b>2009</b> , 11, 255-266	46
2054	The time series of flowering and leaf bud burst of boreal trees (1846-2005) support the direct temperature observations of climatic warming. <b>2009</b> , 149, 453-461	61
2053	Leaf phenology sensitivity to temperature in European trees: Do within-species populations exhibit similar responses?. <b>2009</b> , 149, 735-744	262
2052	Modelling interannual and spatial variability of leaf senescence for three deciduous tree species in France. <b>2009</b> , 149, 938-948	176
2051	Bayesian analysis of temperature sensitivity of plant phenology in Germany. <b>2009</b> , 149, 1699-1708	15
2050	Comparing niche- and process-based models to reduce prediction uncertainty in species range shifts under climate change. <b>2009</b> , 90, 1301-13	329

2049	Methodology of the Research and Description of Polluters. <b>2009</b> , 15-106	1
2048	BACCHUS temperature reconstruction for the period 16th to 18th centuries from Viennese and Klosterneuburg grape harvest dates. <b>2009</b> , 114,	29
2047	Plant Ecology as an Indicator of Climate and Global Change. <b>2009</b> , 297-305	3
2046	Crop Physiology, Modelling and Climate Change. <b>2009</b> , 511-543	15
2045	Plant phenology: a critical controller of soil resource acquisition. <b>2009</b> , 60, 1927-37	173
2044	Mitigating blackout along the cascading pathways. <b>2009</b> ,	1
2043	Ecology. Phenology feedbacks on climate change. <b>2009</b> , 324, 887-8	520
2042	The changing bird phenology of Mid Deeside, Scotland 1974-2010. <b>2010</b> , 57, 407-414	3
2041	Biological indicators of climate change: evidence from long-term flowering records of plants along the Victorian coast, Australia. <b>2010</b> , 58, 428	17
2040	Phenology and climate - early Australian botanical records. <b>2010</b> , 58, 473	8
2039	Meta-Analysis and Its Application in Phenological Research: a Review and New Statistical Approaches. <b>2010</b> , 463-509	3
2038	Global Framework for Data Collection [Data Bases, Data Availability, Future Networks, Online Databases. <b>2010</b> , 23-61	5
2037	Wavelet Analysis of Flowering and Climatic Niche Identification. <b>2010</b> , 361-391	2
2036	Societal adaptation Options to Changes in Phenology. <b>2010</b> , 75-98	8
2035	The Influence of Sampling Method, Sample Size, and Frequency of Observations on Plant Phenological Patterns and Interpretation in Tropical Forest Trees. <b>2010</b> , 99-121	69
2034	Bayesian Methods in Phenology. <b>2010</b> , 229-254	2
2033	Herbarium Collections and Photographic Images: Alternative Data Sources for Phenological Research. <b>2010</b> , 425-461	19
2032	The use of MERIS Terrestrial Chlorophyll Index to study spatio-temporal variation in vegetation phenology over India. <b>2010</b> , 114, 1388-1402	93



2031	Effects of Warming, Summer Drought, and CO2 Enrichment on Aboveground Biomass Production, Flowering Phenology, and Community Structure in an Upland Grassland Ecosystem. <b>2010</b> , 13, 888-900	91
2030	Trends in grass pollen season in southern Spain. <b>2010</b> , 26, 157-169	34
2029	Relationship between olive flowering and latitude in two Mediterranean countries (Italy and Tunisia). <b>2010</b> , 102, 265-273	12
2028	Simulating phenological shifts in French temperate forests under two climatic change scenarios and four driving global circulation models. <b>2010</b> , 54, 563-81	61
2027	Phenological response of <i>Nitraria tangutorum</i> to climate change in Minqin County, Gansu Province, northwest China. <b>2010</b> , 54, 583-93	20
2026	Potential Challenges of Climate Change to Orchid Conservation in a Wild Orchid Hotspot in Southwestern China. <b>2010</b> , 76, 174-192	41
2025	Klima-Biomonitoring: Nachweis des Klimawandels und dessen Folgen für die belebte Umwelt. <b>2010</b> , 22, 7-19	3
2024	Responses of terrestrial arthropods to air pollution: a meta-analysis. <b>2010</b> , 17, 297-311	93
2023	Is the onset of the English summer advancing?. <b>2010</b> , 100, 419-431	13
2022	Interdisciplinary approaches: towards new statistical methods for phenological studies. <b>2010</b> , 100, 143-171	25
2021	Characterising the spatial pattern of phenology for the tropical vegetation of India using multi-temporal MERIS chlorophyll data. <b>2010</b> , 25, 1125-1141	30
2020	Population dynamics under increasing environmental variability: implications of climate change for ecological network design criteria. <b>2010</b> , 25, 1289-1298	50
2019	Advances in the timing of spring cleaning by the honeybee <i>Apis mellifera</i> in Poland. <b>2010</b> , 35, 788-791	18
2018	Sensitivity of plant-pollinator-herbivore communities to changes in phenology. <b>2010</b> , 221, 453-458	28
2017	Multi-scale approach to understanding climate effects on offspring size at birth and date of birth in a reptile. <b>2010</b> , 5, 164-175	28
2016	Tracing growing degree-day changes in the cuticle morphology of <i>Betula nana</i> leaves: a new micro-phenological palaeo-proxy. <b>2010</b> , 25, 1008-1017	17
2015	Causal factors for spatial variation in long-term phenological trends in <i>Ginkgo biloba</i> L. in Japan. <b>2010</b> , 30, 1280-1288	15
2014	Intercomparing multiple measures of the onset of spring in eastern North America. <b>2010</b> , 30, 1614-1626	69

2013	Continental-scale phenology: warming and chilling. <b>2010</b> , 30, 1595-1598		59
2012	Annual changes in MODIS vegetation indices of Swedish coniferous forests in relation to snow dynamics and tree phenology. <b>2010</b> , 114, 2719-2730		109
2011	Predicted impact of climate change on threatened terrestrial vertebrates in central Spain highlights differences between endotherms and ectotherms. <b>2010</b> , 13, 363-373		32
2010	Multiple stressors on biotic interactions: how climate change and alien species interact to affect pollination. <b>2010</b> , 85, 777-95		190
2009	The transcriptome of Populus in elevated CO reveals increased anthocyanin biosynthesis during delayed autumnal senescence. <b>2010</b> , 186, 415-28		64
2008	Changes in leaf phenology of three European oak species in response to experimental climate change. <b>2010</b> , 186, 900-910		168
2007	Pre-moult patterns of habitat use and moult site selection by Brent Geese <i>Branta bernicla nigricans</i> : individuals prospect for moult sites. <b>2010</b> , 152, 556-568		11
2006	Functional differences between summer and winter season rain assessed with MODIS-derived phenology in a semi-arid region. <b>2010</b> , 21, 16-30		36
2005	Life history events of the Eurasian sparrowhawk <i>Accipiter nisus</i> in a changing climate. <b>2010</b> , 41, 627-636		23
2004	Intraseasonal climate and habitat-specific variability controls the flowering phenology of high alpine plant species. <b>2010</b> , 24, 245-252		79
2003	Radial growth response of four dominant boreal tree species to climate along a latitudinal gradient in the eastern Canadian boreal forest. <i>Global Change Biology</i> , <b>2010</b> , 16, 711-731	11.4	165
2002	Genetic diversity increases regional variation in phenological dates in response to climate change. <i>Global Change Biology</i> , <b>2010</b> , 16, 373-379	11.4	59
2001	Climate change and cattle nutritional stress. <i>Global Change Biology</i> , <b>2010</b> , 16, 2901-2911	11.4	89
2000	Impact of climate change on plant phenology in Mediterranean ecosystems. <i>Global Change Biology</i> , <b>2010</b> , 16, 1082-1106	11.4	272
1999	Predicting spatial and temporal patterns of bud-burst and spring frost risk in north-west Europe: the implications of local adaptation to climate. <i>Global Change Biology</i> , <b>2010</b> , 16, 1503-1514	11.4	109
1998	Apple ( <i>Malus pumila</i> var. <i>domestica</i> ) phenology is advancing due to rising air temperature in northern Japan. <i>Global Change Biology</i> , <b>2010</b> , 16, 2651-2660	11.4	56
1997	Trophic level asynchrony in rates of phenological change for marine, freshwater and terrestrial environments. <i>Global Change Biology</i> , <b>2010</b> , 16, 3304-3313	11.4	567
1996	Remote sensing of larch phenological cycle and analysis of relationships with climate in the Alpine region. <i>Global Change Biology</i> , <b>2010</b> , 16, 2504	11.4	65

1995	Warmer and richer? Predicting the impact of climate warming on species richness in small temperate waterbodies. <i>Global Change Biology</i> , <b>2010</b> , 16, 2376-2387	11.4	55
1994	Phenological changes in six Australian subalpine plants in response to experimental warming and year-to-year variation. <b>2010</b> , 98, 927-937		49
1993	Complex responses to climate drivers in onset of spring flowering across a semi-arid elevation gradient. <b>2010</b> , 98, 1042-1051		99
1992	Global change and the evolution of phenotypic plasticity in plants. <b>2010</b> , 1206, 35-55		254
1991	East versus West: contrasts in phenological patterns?. <b>2010</b> , 19, 783-793		22
1990	Variações interanuais na fenologia de uma comunidade arbórea de floresta semidecídua no sudeste do Brasil. <b>2010</b> , 24, 756-762		12
1989	Climatic variability leads to later seasonal flowering of Floridian plants. <b>2010</b> , 5, e11500		31
1988	Process-based simulation of seasonality and drought stress in monoterpene emission models. <b>2010</b> , 7, 257-274		27
1987	Changes in alpine plant growth under future climate conditions. <b>2010</b> , 7, 2013-2024		51
1986	Temperate flowering phenology. <b>2010</b> , 61, 2853-62		71
1985	Climate change and spring-fruiting fungi. <b>2010</b> , 277, 1169-77		68
1984	Genetic and physiological bases for phenological responses to current and predicted climates. <b>2010</b> , 365, 3129-47		145
1983	Phenological asynchrony between herbivorous insects and their hosts: signal of climate change or pre-existing adaptive strategy?. <b>2010</b> , 365, 3161-76		199
1982	The effects of phenological mismatches on demography. <b>2010</b> , 365, 3177-86		396
1981	Simulations show decreasing carbon stocks and potential for carbon emissions in Rocky Mountain forests over the next century. <b>2010</b> , 20, 1302-19		39
1980	Current selection for lower migratory activity will drive the evolution of residency in a migratory bird population. <b>2010</b> , 107, 7341-6		147
1979	Impact of drought on the temporal dynamics of wood formation in <i>Pinus sylvestris</i> . <b>2010</b> , 30, 490-501		131
1978	Estimation of boreal forest LAI in winter conditions: Test of a new method using wide optics airborne images. <b>2010</b> ,		2

1977	Estimation of plant protection product application dates for environmental fate modeling based on phenological stages of crops. <b>2010</b> , 45, 639-47	6
1976	Terrestrial vegetation phenology from MODIS and MERIS. <b>2010</b> ,	3
1975	Temporal and Spatial Shifts in Habitat Use by Black Brant Immediately Following Flightless Molt. <b>2010</b> , 122, 484-493	4
1974	Simulation of Mediterranean forest carbon pools under expected environmental scenarios. <b>2010</b> , 40, 850-860	12
1973	A 250-year index of first flowering dates and its response to temperature changes. <b>2010</b> , 277, 2451-7	113
1972	ANALYSIS OF CHANGES IN FLOWERING PHASES AND AIRBORNE POLLEN DISPERSION OF THE GENUS BETULA (BIRCH). <b>2010</b> , 18, 137-144	9
1971	Timing and duration of European larch growing season along altitudinal gradients in the Swiss Alps. <b>2010</b> , 30, 225-33	198
1970	Why does phenology drive species distribution?. <b>2010</b> , 365, 3149-60	412
1969	Winter and spring warming result in delayed spring phenology on the Tibetan Plateau. <b>2010</b> , 107, 22151-6	555
1968	Plant science. Phenology under global warming. <b>2010</b> , 327, 1461-2	673
1967	Climate change effects on an endemic-rich edaphic flora: resurveying Robert H. Whittaker's Siskiyou sites (Oregon, USA). <b>2010</b> , 91, 3609-19	94
1966	A land surface phenology assessment of the northern polar regions using MODIS reflectance time series. <b>2010</b> , 36, S87-S110	50
1965	Use of digital cameras for phenological observations. <b>2010</b> , 5, 339-347	143
1964	Climate Change in Poland in the Past Centuries and its Relationship to European Climate: Evidence from Reconstructions and Coupled Climate Models. <b>2010</b> , 3-39	13
1963	A review of allochthonous organic matter dynamics and metabolism in streams. <b>2010</b> , 29, 118-146	499
1962	Climate Warming-Induced Intensification of the Hydrologic Cycle: An Assessment of the Published Record and Potential Impacts on Agriculture. <b>2010</b> , 109, 1-53	37
1961	Forecasting phenology under global warming. <b>2010</b> , 365, 3247-60	182
1960	Germination, Postgermination Adaptation, and Species Ecological Ranges. <b>2010</b> , 41, 293-319	474

1959	Full Issue in PDF / Numéro complet en format PDF. <b>2010</b> , 36, ii-S210	
1958	Human-provoked amphibian decline in central Italy and the efficacy of protected areas. <b>2010</b> , 37, 547	1
1957	Genetic engineering for modern agriculture: challenges and perspectives. <b>2010</b> , 61, 443-62	702
1956	Effects of urbanization on flowering phenology in the metropolitan phoenix region of USA: Findings from herbarium records. <b>2010</b> , 74, 440-444	49
1955	Precipitation and temperature are associated with advanced flowering phenology in a semi-arid grassland. <b>2010</b> , 74, 1013-1017	80
1954	Expert views on biodiversity conservation in an era of climate change. <b>2010</b> , 20, 192-207	73
1953	Changes in the functional composition of a Central European urban flora over three centuries. <b>2010</b> , 12, 235-244	88
1952	Community and ecosystem responses to recent climate change. <b>2010</b> , 365, 2019-24	786
1951	Getting into Hot Water? Atlantic Salmon Responses to Climate Change in Freshwater and Marine Environments. <b>2010</b> , 409-443	5
1950	Multi-scale Influence of Snowmelt on Xylogenesis of Black Spruce. <b>2011</b> , 43, 457-464	44
1949	Platanus pollen season in Andalusia (southern Spain): trends and modeling. <b>2011</b> , 13, 2502-10	30
1948	Climate change correlates with rapid delays and advancements in reproductive timing in an amphibian community. <b>2011</b> , 278, 2191-7	109
1947	Climate change predicted to shift wolverine distributions, connectivity, and dispersal corridors. <b>2011</b> , 21, 2882-2897	75
1946	A global reanalysis of vegetation phenology. <b>2011</b> , 116,	92
1945	Incorporating genetic variation into a model of budburst phenology of coast Douglas-fir ( <i>Pseudotsuga menziesii</i> var. <i>menziesii</i> ). <b>2011</b> , 41, 139-150	17
1944	Spring Flowering Response to Climate Change between 1936 and 2006 in Alberta, Canada. <b>2011</b> , 61, 514-524	50
1943	Allergies au pollen, pollution et climat : revue de la littérature. <b>2011</b> , 51, 622-628	18
1942	The integration of plant phenology and land use data to create a GIS-assisted bioclimatic characterisation of Bavaria, Germany. <b>2011</b> , 4, 91-101	4

1941	Assessing the effects of climate change on the phenology of European temperate trees. <b>2011</b> , 151, 969-980	234
1940	Influences of temperature and precipitation before the growing season on spring phenology in grasslands of the central and eastern Qinghai-Tibetan Plateau. <b>2011</b> , 151, 1711-1722	279
1939	A comparison of multiple phenology data sources for estimating seasonal transitions in deciduous forest carbon exchange. <b>2011</b> , 151, 1741-1752	123
1938	Forest responses to climate change in the northwestern United States: Ecophysiological foundations for adaptive management. <b>2011</b> , 261, 1121-1142	176
1937	Morels defying the vernal lifestyle. <b>2011</b> , 12, 32-33	1
1936	The comparison of several colour indices for the photographic recording of canopy phenology of <i>Fagus crenata</i> Blume in eastern Japan. <b>2011</b> , 4, 67-77	27
1935	Dormancy in temperate fruit trees in a global warming context: A review. <b>2011</b> , 130, 357-372	268
1934	Tree seasonality in a warming climate. <b>2011</b> , 16, 412-6	183
1933	Rapid range shifts of species associated with high levels of climate warming. <b>2011</b> , 333, 1024-6	2860
1932	Climate shifts in south-eastern Australia: early maturity of Chardonnay, Shiraz and Cabernet Sauvignon is associated with early onset rather than faster ripening. <b>2011</b> , 17, 199-205	66
1931	Predicting xylem phenology in black spruce under climate warming. <i>Global Change Biology</i> , <b>2011</b> , 17, 614-625	11.4 105
1930	Changes in chromosomal polymorphism and global warming: The case of <i>Drosophila subobscura</i> from Apatin (Serbia). <b>2011</b> , 34, 489-95	13
1929	NOTES. 228-247	
1928	Climate warming results in phenotypic and evolutionary changes in spring events: a mini-review. 176-200	4
1927	Hybridisation, introgression and climate change: a case study of the tree genus <i>Fraxinus</i> (Oleaceae). 320-342	4
1926	Analysis of the impact of climate change on groundwater related hydrological fluxes: a multi-model approach including different downscaling methods. <b>2011</b> , 15, 21-38	88
1925	Integrating ecology and systematics in climate change research. 3-43	1
1924	Climate change affects winter chill for temperate fruit and nut trees. <b>2011</b> , 6, e20155	211

1923	Detecting one-hundred-year environmental changes in Western China using seven-year repeat photography. <b>2011</b> , 6, e25008		7
1922	The necessity and availability of noise-free daily satellite-observed NDVI during rapid phenological changes in terrestrial ecosystems in East Asia. <b>2011</b> , 7, 174-183		11
1921	Time and the Productivity of Agronomic Crops and Cropping Systems. <b>2011</b> , 103, 743-750		39
1920	Adaptive responses for seed and leaf phenology in natural populations of sessile oak along an altitudinal gradient. <b>2011</b> , 24, 1442-54		88
1919	Correlated response in plasticity to selection for early flowering in <i>Arabidopsis thaliana</i> . <b>2011</b> , 24, 2280-8		15
1918	Effects of experimental shifts in flowering phenology on plant-pollinator interactions. <b>2011</b> , 14, 69-74		144
1917	Drought advances spring growth phenology of the Mediterranean shrub <i>Erica multiflora</i> . <b>2011</b> , 13, 252-7		63
1916	Effects of elevated CO <sub>2</sub> warming and drought episodes on plant carbon uptake in a temperate heath ecosystem are controlled by soil water status. <b>2011</b> , 34, 1207-22		53
1915	Phenological changes in intertidal con-specific gastropods in response to climate warming. <i>Global Change Biology</i> , <b>2011</b> , 17, 709-719	11.4	49
1914	Evidence of increased net ecosystem productivity associated with a longer vegetated season in a deciduous forest in south-central Indiana, USA. <i>Global Change Biology</i> , <b>2011</b> , 17, 886-897	11.4	207
1913	Linking leaf transcript levels to whole plant analyses provides mechanistic insights to the impact of warming and altered water availability in an annual grass. <i>Global Change Biology</i> , <b>2011</b> , 17, 1577-1594	11.4	14
1912	Climate change and plant regeneration from seed. <i>Global Change Biology</i> , <b>2011</b> , 17, 2145-2161	11.4	533
1911	Rapid northwards expansion of a forest insect pest attributed to spring phenology matching with sub-Arctic birch. <i>Global Change Biology</i> , <b>2011</b> , 17, 2071-2083	11.4	96
1910	Advancing breeding phenology in response to environmental change in a wild red deer population. <i>Global Change Biology</i> , <b>2011</b> , 17, 2455-2469	11.4	107
1909	Warming climate advances breeding and improves synchrony of food demand and food availability in a boreal passerine. <i>Global Change Biology</i> , <b>2011</b> , 17, 3002-3009	11.4	58
1908	Observed trends in winegrape maturity in Australia. <i>Global Change Biology</i> , <b>2011</b> , 17, 2707-2719	11.4	102
1907	Predicting phenology by integrating ecology, evolution and climate science. <i>Global Change Biology</i> , <b>2011</b> , 17, 3633-3643	11.4	254
1906	Contrasting impacts of climate-driven flowering phenology on changes in alien and native plant species distributions. <b>2011</b> , 189, 272-81		38

1905	Whole-system responses of experimental plant communities to climate extremes imposed in different seasons. <b>2011</b> , 189, 806-817	182
1904	Onset of summer flowering in a 'Sky Island' is driven by monsoon moisture. <b>2011</b> , 191, 468-479	68
1903	Leaf-out phenology of temperate woody plants: from trees to ecosystems. <b>2011</b> , 191, 926-941	353
1902	Interactions between flowering and senescence regulation and the influence of low temperature in <i>Arabidopsis</i> and crop plants. <b>2011</b> , 159, 320-338	21
1901	Which are the phenologically flexible species? A case study with common passerine birds. <b>2011</b> , 120, 991-998	29
1900	Ozone risk for vegetation in the future climate of Europe based on stomatal ozone uptake calculations. <b>2011</b> , 63, 174-187	33
1899	Variances and covariances of phenological traits in a wild mammal population. <b>2011</b> , 65, 788-801	12
1898	The long summer: pre-wintering temperatures affect metabolic expenditure and winter survival in a solitary bee. <b>2011</b> , 57, 1651-9	63
1897	Scale-dependent relations in land cover biophysical dynamics. <b>2011</b> , 222, 3285-3290	7
1896	Climate warming, ecological mismatch at arrival and population decline in migratory birds. <b>2011</b> , 278, 835-42	259
1895	Modelling the potential impact of global warming on <i>Ips typographus</i> voltinism and reproductive diapause. <b>2011</b> , 109, 695-718	56
1894	Topography-mediated controls on local vegetation phenology estimated from MODIS vegetation index. <b>2011</b> , 26, 541-556	86
1893	Flowering phenology change and climate warming in southwestern Ohio. <b>2011</b> , 212, 55-61	27
1892	Advances in first bloom dates and increased occurrences of yearly second blooms in eastern China since the 1960s: further phenological evidence of climate warming. <b>2011</b> , 26, 713-723	20
1891	Genetic control of flowering time in <i>Eucalyptus globulus</i> ssp. <i>globulus</i> . <b>2011</b> , 7, 1209-1218	20
1890	<i>Parietaria judaica</i> flowering phenology, pollen production, viability and atmospheric circulation, and expansive ability in the urban environment: impacts of environmental factors. <b>2011</b> , 55, 35-50	36
1889	A global analysis of the comparability of winter chill models for fruit and nut trees. <b>2011</b> , 55, 411-21	165
1888	Phenological changes and reduced seasonal synchrony in western Poland. <b>2011</b> , 55, 447-53	20



1887	The ecological significance of phenology in four different tree species: effects of light and temperature on bud burst. <b>2011</b> , 55, 711-21	149
1886	A comparison of methods to estimate seasonal phenological development from BBCH scale recording. <b>2011</b> , 55, 867-77	16
1885	A review of climate-driven mismatches between interdependent phenophases in terrestrial and aquatic ecosystems. <b>2011</b> , 55, 805-17	87
1884	Using Self-Organising Maps (SOMs) to assess synchronies: an application to historical eucalypt flowering records. <b>2011</b> , 55, 879-904	9
1883	Effects of recent warm and cold spells on European plant phenology. <b>2011</b> , 55, 921-32	37
1882	Plant phenological variation related to temperature in Norway during the period 1928-1977. <b>2011</b> , 55, 819-30	11
1881	Are budburst dates, dormancy and cold acclimation in walnut trees ( <i>Juglans regia</i> L.) under mainly genotypic or environmental control?. <b>2011</b> , 55, 763-74	59
1880	Carbon, Water, and Energy Exchanges of a Hybrid Poplar Plantation During the First Five Years Following Planting. <b>2011</b> , 14, 658-671	25
1879	Phenological observations made by the I. R. Bohemian Patriotic-Economic Society, 1828-1847. <b>2011</b> , 105, 71-81	10
1878	The response of first flowering dates to abrupt climate change in Beijing. <b>2011</b> , 28, 564-572	24
1877	Effects of constant and fluctuating temperatures on the development of the solitary bee <i>Osmia bicornis</i> (Hymenoptera: Megachilidae). <b>2011</b> , 42, 711-720	45
1876	Climate/growth relationships in a <i>Pinus cembra</i> high-elevation network in the Southern French Alps. <b>2011</b> , 68, 189-200	16
1875	Consistent phenological shifts in the making of a biodiversity hotspot: the Cape flora. <b>2011</b> , 11, 39	14
1874	Changing freeze-thaw seasons in northern high latitudes and associated influences on evapotranspiration. <b>2011</b> , 25, 4142-4151	52
1873	Towards a unified characterization of phenological phases: Fluctuations and correlations with temperature. <b>2011</b> , 390, 680-688	10
1872	Validating satellite phenology through intensive ground observation and landscape scaling in a mixed seasonal forest. <b>2011</b> , 115, 143-157	173
1871	Evaluation of compositing period and AVHRR and MERIS combination for improvement of spring phenology detection in deciduous forests. <b>2011</b> , 115, 158-166	35
1870	Abundance of Seedlings in Response to Elevation and Nurse Species in Northeastern Mexico. <b>2011</b> , 56, 154-161	2

1869	Local perceptions of climate change validated by scientific evidence in the Himalayas. <b>2011</b> , 7, 767-70	164
1868	Tree phenology responses to warming: spring forward, fall back?. <b>2011</b> , 31, 469-71	53
1867	When climate change affects where birds sing. <b>2011</b> , 22, 212-217	19
1866	Shifts in the flowering phenology of the northern Great Plains: patterns over 100 years. <b>2011</b> , 98, 935-45	60
1865	Interactive effects of elevated CO <sub>2</sub> , warming, and drought on photosynthesis of <i>Deschampsia flexuosa</i> in a temperate heath ecosystem. <b>2011</b> , 62, 4253-66	62
1864	Vertical profiles reveal impact of ozone and temperature on carbon assimilation of <i>Betula pendula</i> and <i>Populus tremula</i> . <b>2011</b> , 31, 808-18	35
1863	Recent changes in phenology over the northern high latitudes detected from multi-satellite data. <b>2011</b> , 6, 045508	172
1862	Drought alters timing, quantity, and quality of wood formation in Scots pine. <b>2011</b> , 62, 2763-71	158
1861	Effects of environmental conditions on onset of xylem growth in <i>Pinus sylvestris</i> under drought. <b>2011</b> , 31, 483-93	57
1860	Changes in duration of reproductive phases and lagged phenological response to experimental climate warming. <b>2011</b> , 4, 23-35	19
1859	Climate-associated phenological advances in bee pollinators and bee-pollinated plants. <b>2011</b> , 108, 20645-9	297
1858	Phenology of vegetation in Southern England from Envisat MERIS terrestrial chlorophyll index (MTCI) data. <b>2011</b> , 32, 8421-8447	31
1857	Spring temperature change and its implication in the change of vegetation growth in North America from 1982 to 2006. <b>2011</b> , 108, 1240-5	352
1856	An optical sensor network for vegetation phenology monitoring and satellite data calibration. <b>2011</b> , 11, 7678-709	56
1855	The relationship of the phase and amplitude of the annual cycle of CO <sub>2</sub> to phenological events. <b>2011</b> , 4, 213-226	4
1854	Climate change, aeroallergens, natural particulates, and human health in Australia: state of the science and policy. <b>2011</b> , 23, 46S-53	8
1853	Range shifts and global warming: ecological responses of <i>Empetrum nigrum</i> L. to experimental warming at its northern (high Arctic) and southern (Atlantic) geographical range margin. <b>2012</b> , 7, 025501	32
1852	Warming-induced shift in European mushroom fruiting phenology. <b>2012</b> , 109, 14488-93	90

1851	Effects of El Niño on spring phenology of the highest mountain in north-east Asia. <b>2012</b> , 33, 5268-5288	7
1850	Reviving a Legacy Citizen Science Project to Illuminate Shifts in Bird Phenology. <b>2012</b> , 2012, 1-6	11
1849	Model-based assessment of ecological adaptations of three forest tree species growing in Italy and impact on carbon and water balance at national scale under current and future climate scenarios. <b>2012</b> , 5, 235-246	19
1848	Divergent responses to spring and winter warming drive community level flowering trends. <b>2012</b> , 109, 9000-5	247
1847	Global-scale pattern of peatland &Sphagnum& growth driven by photosynthetically active radiation and growing season length. <b>2012</b> , 9, 2737-2746	70
1846	NEON terrestrial field observations: designing continental-scale, standardized sampling. <b>2012</b> , 3, art115	58
1845	Widespread climate change in the Himalayas and associated changes in local ecosystems. <b>2012</b> , 7, e36741	333
1844	Responses of insects to the current climate changes: from physiology and behavior to range shifts. <b>2012</b> , 92, 715-740	30
1843	Growth phenology of coast Douglas-fir seed sources planted in diverse environments. <b>2012</b> , 32, 1482-96	23
1842	Regional-scale phenology modeling based on meteorological records and remote sensing observations. <b>2012</b> , 117, n/a-n/a	67
1841	Temperature dependence of the reproduction niche and its relevance for plant species distributions. <b>2012</b> , 39, 2191-2200	80
1840	Functional and Phylogenetic Approaches to Forecasting Species' Responses to Climate Change. <b>2012</b> , 43, 205-226	140
1839	Process-based proxy of oxygen stress surpasses indirect ones in predicting vegetation characteristics. <b>2012</b> , 5, 746-758	17
1838	Spring tree phenology in the Alps: effects of air temperature, altitude and local topography. <b>2012</b> , 131, 1957-1965	29
1837	Spatio-temporal investigation of flowering dates and pollen counts in the topographically complex Zugspitze area on the German/Austrian border. <b>2012</b> , 28, 541-556	26
1836	Specification of thermal growing season in temperate China from 1960 to 2009. <b>2012</b> , 114, 783-798	34
1835	How can a climate change perspective be integrated into public health surveillance?. <b>2012</b> , 126, 660-7	17
1834	[Climate change and pollination]. <b>2012</b> , 29, 1238-53	11

1833	Conservation from the bottom up: forecasting effects of global change on dynamics of organic matter and management needs for river networks. <b>2012</b> , 31, 51-68	53
1832	Causes and correlations in cambium phenology: towards an integrated framework of xylogenesis. <b>2012</b> , 63, 2117-26	89
1831	Linking near-surface and satellite remote sensing measurements of deciduous broadleaf forest phenology. <b>2012</b> , 117, 307-321	201
1830	Satellite detection of increasing Northern Hemisphere non-frozen seasons from 1979 to 2008: Implications for regional vegetation growth. <b>2012</b> , 121, 472-487	172
1829	The occurrence of protruding pistil in sweet cherry ( <i>Prunus avium</i> L.) and its consequence on fertilization. <b>2012</b> , 140, 149-156	4
1828	Knowledge Mapping for Climate Change and Food- and Waterborne Diseases. <b>2012</b> , 42, 378-411	29
1827	Consequences of warming up a hotspot: species range shifts within a centre of bee diversity. <b>2012</b> , 18, 885-897	29
1826	Temperature-related increases in grass growth and greater competition for food drive earlier migrational departure of wintering Whooper Swans. <b>2012</b> , 154, 542-553	16
1825	Phenological tracking enables positive species responses to climate change. <b>2012</b> , 93, 1765-71	192
1824	Spatio-temporal patterns of phenological development in Germany in relation to temperature and day length. <b>2012</b> , 152, 44-57	109
1823	Spatiotemporal changes of wheat phenology in China under the effects of temperature, day length and cultivar thermal characteristics. <b>2012</b> , 43, 201-212	123
1822	Changes in climatic signals of English oak tree-ring width and cross-section area of earlywood vessels in Latvia during the period 1900-2009. <b>2012</b> , 279, 34-44	18
1821	Seed germination, hydrothermal time models and the effects of global warming on a threatened high Andean tree species. <b>2012</b> , 22, 287-298	10
1820	Phenotypic plasticity alone cannot explain climate-induced change in avian migration timing. <b>2012</b> , 2, 2430-7	26
1819	Assortative mating and gene flow generate clinal phenological variation in trees. <b>2012</b> , 12, 79	31
1818	Temperature-driven shifts in a host-parasite interaction drive nonlinear changes in disease risk. <i>Global Change Biology</i> , <b>2012</b> , 18, 3558-3567	11.4 51
1817	Attribution of climate change: a methodology to estimate the potential contribution to increases in potato yield in Scotland since 1960. <i>Global Change Biology</i> , <b>2012</b> , 18, 1372-1388	11.4 27
1816	Forest phenology and a warmer climate [growing season extension in relation to climatic provenance. <i>Global Change Biology</i> , <b>2012</b> , 18, 2008-2025	11.4 85

1815	Seed dormancy distribution: explanatory ecological factors. <b>2012</b> , 110, 1205-19	60
1814	First flowering of wind-pollinated species with the greatest phenological advances in Europe. <b>2012</b> , 35, 1017-1023	26
1813	Changes in time of sowing, flowering and maturity of cereals in Europe under climate change. <b>2012</b> , 29, 1527-42	108
1812	Phenological changes of oceanic phytoplankton in the 1980s and 2000s as revealed by remotely sensed ocean-color observations. <b>2012</b> , 26, n/a-n/a	24
1811	Land surface phenology from optical satellite measurement and CO2 eddy covariance technique. <b>2012</b> , 117, n/a-n/a	83
1810	Photoperiod sensitivity of bud burst in 14 temperate forest tree species. <b>2012</b> , 165, 73-81	218
1809	Predicting deciduous forest carbon uptake phenology by upscaling FLUXNET measurements using remote sensing data. <b>2012</b> , 165, 127-135	45
1808	Mapping the impact of climate change on biomass accumulation on stone. <b>2012</b> , 13, 254-258	28
1807	Climate change and bird migration in south-eastern Australia. <b>2012</b> , 112, 333-342	7
1806	Carbon dioxide exchange processes over the grassland ecosystems in semiarid areas of China. <b>2012</b> , 55, 644-655	15
1805	Spatial modeling of the <i>Ulmus pumila</i> growing season in China's temperate zone. <b>2012</b> , 55, 656-664	6
1804	Assessing the Impact of Climate Change on Outbreak Potential. <b>2012</b> , 429-450	31
1803	Sensitivity of Spring Phenology to Warming Across Temporal and Spatial Climate Gradients in Two Independent Databases. <b>2012</b> , 15, 1283-1294	60
1802	The phenology of <i>Rubus fruticosus</i> in Ireland: herbarium specimens provide evidence for the response of phenophases to temperature, with implications for climate warming. <b>2012</b> , 56, 1103-11	24
1801	Footprints of climate change in US national park visitation. <b>2012</b> , 56, 1173-7	35
1800	Response of the <i>Morus bombycis</i> growing season to temperature and its latitudinal pattern in Japan. <b>2012</b> , 56, 895-902	15
1799	Seasonal response of grasslands to climate change on the Tibetan Plateau. <b>2012</b> , 7, e49230	47
1798	A thirty-year survey reveals that ecosystem function of fungi predicts phenology of mushroom fruiting. <b>2012</b> , 7, e49777	38

1797	On the uncertainty of phenological responses to climate change, and implications for a terrestrial biosphere model. <b>2012</b> , 9, 2063-2083	115
1796	Towards the use of dynamic growing seasons in a chemical transport model. <b>2012</b> , 9, 5161-5179	4
1795	Cascading climate effects and related ecological consequences during past centuries. <b>2012</b> , 8, 1527-1540	9
1794	Warming experiments underpredict plant phenological responses to climate change. <b>2012</b> , 485, 494-7	606
1793	Climate change effects fruiting of the prize matsutake mushroom in China. <b>2012</b> , 56, 189-198	30
1792	Naturally acidic waterways: conceptual food webs for better management and understanding of ecological functioning. <b>2012</b> , 22, 836-847	15
1791	Herbarium specimens, photographs, and field observations show Philadelphia area plants are responding to climate change. <b>2012</b> , 99, 751-6	65
1790	Climate change and the incidence of a forest pest in Mediterranean ecosystems: can the North Atlantic Oscillation be used as a predictor?. <b>2012</b> , 113, 699-711	37
1789	Identifying potential evolutionary consequences of climate-driven phenological shifts. <b>2012</b> , 26, 465-473	11
1788	The spatiotemporal characteristics of spring phenophase changes of <i>Fraxinus chinensis</i> in China from 1952 to 2007. <b>2012</b> , 55, 991-1000	16
1787	Disentangling the paradox of insect phenology: are temporal trends reflecting the response to warming?. <b>2012</b> , 168, 1161-71	46
1786	Temporal shifts in leaf phenology of beech ( <i>Fagus sylvatica</i> ) depend on elevation. <b>2012</b> , 26, 1091-1100	64
1785	Influence of climate on tree-ring and earlywood vessel formation in <i>Quercus robur</i> in Latvia. <b>2012</b> , 26, 1251-1266	22
1784	The response of <i>Corylus avellana</i> L. phenology to rising temperature in north-eastern Slovenia. <b>2012</b> , 56, 681-94	35
1783	Phenological responses of <i>Ulmus pumila</i> (Siberian Elm) to climate change in the temperate zone of China. <b>2012</b> , 56, 695-706	73
1782	Investigating the impact of climate change on crop phenological events in Europe with a phenology model. <b>2012</b> , 56, 749-63	32
1781	High Resilience in Heathland Plants to Changes in Temperature, Drought, and CO <sub>2</sub> in Combination: Results from the CLIMAITE Experiment. <b>2012</b> , 15, 269-283	41
1780	Monitoring responses of forest to climate variations by MODIS NDVI: a case study of Hun River upstream, northeastern China. <b>2012</b> , 131, 705-716	13

1779	Flowering phenology as a functional trait in a tallgrass prairie. <b>2012</b> , 193, 673-682		61
1778	Extension of the growing season due to delayed autumn over mid and high latitudes in North America during 1982-2006. <b>2012</b> , 21, 260-271		149
1777	Detecting change in an Australian flowering record: Comparisons of linear regression and cumulative sum analysis change point analysis. <b>2012</b> , 37, 825-835		6
1776	The responses of grassland plants to experimentally simulated climate change depend on land use and region. <i>Global Change Biology</i> , <b>2012</b> , 18, 127-137	11.4	35
1775	Vulnerability of riparian ecosystems to elevated CO <sub>2</sub> and climate change in arid and semiarid western North America. <i>Global Change Biology</i> , <b>2012</b> , 18, 821-842	11.4	114
1774	Experimental warming alters spring phenology of certain plant functional groups in an early successional forest community. <i>Global Change Biology</i> , <b>2012</b> , 18, 1108-1116	11.4	47
1773	Spatio-temporal patterns in vegetation start of season across the island of Ireland using the MERIS Global Vegetation Index. <b>2012</b> , 68, 79-94		34
1772	The response of the woodpigeon ( <i>Columba palumbus</i> ) to relaxation of intraspecific competition: A hybrid modelling approach. <b>2012</b> , 224, 54-64		5
1771	Bayesian comparison of six different temperature-based budburst models for four temperate tree species. <b>2012</b> , 230, 92-100		61
1770	Why farmers' sowing dates hardly change when temperature rises. <b>2012</b> , 40, 102-111		23
1769	Ozone pollution affects flower numbers and timing in a simulated BAP priority calcareous grassland community. <b>2012</b> , 163, 40-7		17
1768	Comprehensive methodological analysis of long-term changes in phenological extremes in Germany. <i>Global Change Biology</i> , <b>2012</b> , 18, 2349-2364	11.4	4
1767	Climatic change is advancing the phenology of moth species in Ireland. <b>2012</b> , 143, 74-88		10
1766	Effects of ecohydrological variables on current and future ranges, local suitability patterns, and model accuracy in big sagebrush. <b>2012</b> , 35, 374-384		51
1765	Weakening climatic signal since mid-20th century in European larch tree-ring chronologies at different altitudes from the Adamello-Presanella Massif (Italian Alps). <b>2012</b> , 77, 344-354		28
1764	Airborne Estimation of Boreal Forest LAI in Winter Conditions: A Test Using Summer and Winter Ground Truth. <b>2012</b> , 50, 68-74		14
1763	Forecasting phenology: from species variability to community patterns. <b>2012</b> , 15, 545-53		141
1762	Game theory sheds new light on ecological responses to current climate change when phenology is historically mismatched. <b>2012</b> , 15, 881-8		32

1761	Low temperature tolerance and starvation ability of the oak processionary moth: implications in a context of increasing epidemics. <b>2012</b> , 14, 239-250	12
1760	Human activity and anomalously warm seasons in Europe. <b>2012</b> , 32, 225-239	32
1759	Influences of the El Niño Southern Oscillation and the Pacific Decadal Oscillation on the timing of the North American spring. <b>2012</b> , 32, 2301-2310	47
1758	The effects of climate change on the phenology of winter birds in Yokohama, Japan. <b>2012</b> , 27, 173-180	11
1757	Global changes in extreme events: regional and seasonal dimension. <b>2012</b> , 110, 669-696	356
1756	Climate-associated changes in spring plant phenology in China. <b>2012</b> , 56, 269-75	39
1755	The influence of altitude and urbanisation on trends and mean dates in phenology (1980-2009). <b>2012</b> , 56, 387-94	71
1754	Current status and predicted impact of climate change on forest production and biogeochemistry in the temperate oceanic European zone: review and prospects for Belgium as a case study. <b>2012</b> , 17, 1-18	30
1753	Linking altitudinal gradients and temperature responses of plant phenology in the Bavarian Alps. <b>2013</b> , 15 Suppl 1, 57-69	37
1752	Climate warming and the decline of <i>Taxus</i> airborne pollen in urban pollen rain (Emilia Romagna, northern Italy). <b>2013</b> , 15 Suppl 1, 70-82	14
1751	Timing of photoperiodic competency causes phenological mismatch in balsam poplar ( <i>Populus balsamifera</i> L.). <b>2013</b> , 36, 116-27	52
1750	Impact assessment of projected climate change on the hydrological regime in the SE Alps, Upper Soča River basin, Slovenia. <b>2013</b> , 67, 1025-1043	12
1749	Food web de-synchronization in England's largest lake: an assessment based on multiple phenological metrics. <i>Global Change Biology</i> , <b>2013</b> , 19, 3568-80	11.4 40
1748	Differential responses of trees to temperature variation during the chilling and forcing phases. <b>2013</b> , 181, 33-42	86
1747	Identification of Traits, Genes, and Crops of the Future. <b>2013</b> , 27-177	1
1746	Endemism due to climate change: Evidence from <i>Poeciloneuron</i> Bedd. ( <i>Clusiaceae</i> ) leaf fossil from Assam, India. <b>2013</b> , 122, 283-288	6
1745	Comparative cambial dynamics and phenology of <i>Quercus robur</i> L. and <i>Q. pyrenaica</i> Willd. in an Atlantic forest of the northwestern Iberian Peninsula. <b>2013</b> , 27, 1571-1585	36
1744	The plant phenological online database (PPODB): an online database for long-term phenological data. <b>2013</b> , 57, 805-12	14



1743	Multiple phenological responses to climate change among 42 plant species in Xi'an, China. <b>2013</b> , 57, 749-58	47
1742	Identification of chilling and heat requirements of cherry trees--a statistical approach. <b>2013</b> , 57, 679-89	104
1741	Recurring weather extremes alter the flowering phenology of two common temperate shrubs. <b>2013</b> , 57, 579-88	31
1740	Pollen season and climate: is the timing of birch pollen release in the UK approaching its limit?. <b>2013</b> , 57, 391-400	45
1739	Flowering phenology of tree rhododendron along an elevation gradient in two sites in the Eastern Himalayas. <b>2013</b> , 57, 225-40	47
1738	Observed changes in winter wheat phenology in the North China Plain for 1981-2009. <b>2013</b> , 57, 275-85	130
1737	Experimental warming studies on tree species and forest ecosystems: a literature review. <b>2013</b> , 126, 447-60	83
1736	Modelling Interactions Between Economic Activity, Greenhouse Gas Emissions, Biodiversity and Agricultural Production. <b>2013</b> , 18, 377-416	11
1735	Impacts of climate change on crop evapotranspiration with ensemble GCM projections in the North China Plain. <b>2013</b> , 120, 299-312	25
1734	Observed climate-induced changes in plant phenology in the Netherlands. <b>2013</b> , 14, 997	4
1733	ENSEMBLES-based assessment of regional climate effects in Luxembourg and their impact on vegetation. <b>2013</b> , 119, 761-773	13
1732	Linking ecomechanics and ecophysiology to interspecific interactions and community dynamics. <b>2013</b> , 1297, 73-82	9
1731	Detection and attribution of anthropogenic climate change impacts. <b>2013</b> , 4, 121-150	48
1730	The effect of climate change on the fall foliage vacation in China. <b>2013</b> , 38, 80-84	24
1729	Tree Phenology. <b>2013</b> , 169-182	6
1728	European deciduous trees exhibit similar safety margins against damage by spring freeze events along elevational gradients. <b>2013</b> , 200, 1166-75	105
1727	The influence of climate change on the ecology of the Pied Flycatcher ( <i>Ficedula hypoleuca</i> ) in Southern Karelia. <b>2013</b> , 44, 239-246	3
1726	Spatiotemporal variability of vegetation phenology with reference to altitude and climate in the subtropical mountain and hill region, China. <b>2013</b> , 58, 2883-2892	15

1725	Spatiotemporal variation in alpine grassland phenology in the Qinghai-Tibetan Plateau from 1999 to 2009. <b>2013</b> , 58, 396-405	100
1724	The decreasing spring frost risks during the flowering period for woody plants in temperate area of eastern China over past 50 years. <b>2013</b> , 23, 641-652	23
1723	Asymmetric effects of daytime and night-time warming on Northern Hemisphere vegetation. <b>2013</b> , 501, 88-92	328
1722	Herbarium specimens reveal the footprint of climate change on flowering trends across north-central North America. <b>2013</b> , 16, 1037-44	113
1721	Increasing cropping intensity in response to climate warming in Tibetan Plateau, China. <b>2013</b> , 142, 36-46	48
1720	Short communication: Comparison of ambient temperature, relative humidity, and temperature-humidity index between on-farm measurements and official meteorological data. <b>2013</b> , 96, 7731-8	34
1719	Forest insects and climate change: long-term trends in herbivore damage. <b>2013</b> , 3, 4183-96	40
1718	Detecting nonlinear response of spring phenology to climate change by Bayesian analysis. <i>Global Change Biology</i> , <b>2013</b> , 19, 1518-25	11.4 66
1717	Temperature-dependent shifts in phenology contribute to the success of exotic species with climate change. <b>2013</b> , 100, 1407-21	104
1716	Spatial patterns and temporal dynamics in savanna vegetation phenology across the North Australian Tropical Transect. <b>2013</b> , 139, 97-115	141
1715	Classification of varieties for their timing of flowering and veraison using a modelling approach: A case study for the grapevine species <i>Vitis vinifera</i> L.. <b>2013</b> , 180, 249-264	82
1714	Using phenology to assess urban heat islands in tropical and temperate regions. <b>2013</b> , 33, 3141-3151	34
1713	Importance of the glucocorticoid stress response in a changing world: theory, hypotheses and perspectives. <b>2013</b> , 190, 118-28	144
1712	Differences in atmospheric trees pollen seasons in winter, spring and summer in two European geographic areas, Spain and Italy. <b>2013</b> , 29, 263-278	14
1711	Unraveling environmental drivers of a recent increase in Swiss fungi fruiting. <i>Global Change Biology</i> , <b>2013</b> , 19, 2785-94	11.4 32
1710	Large-scale variations in the vegetation growing season and annual cycle of atmospheric CO <sub>2</sub> at high northern latitudes from 1950 to 2011. <i>Global Change Biology</i> , <b>2013</b> , 19, 3167-83	11.4 206
1709	Variability of phenological stages of <i>Dactylis glomerata</i> in dependence on meteorological conditions in the Czech Republic. <b>2013</b> , 22, 488-489	
1708	Climate-induced changes in the distribution of freshwater fish: observed and predicted trends. <b>2013</b> , 58, 625-639	213

1707	Mapping asynchrony between gypsy moth egg-hatch and forest leaf-out: Putting the phenological window hypothesis in a spatial context. <b>2013</b> , 287, 67-76		22
1706	Evidence of current impact of climate change on life: a walk from genes to the biosphere. <i>Global Change Biology</i> , <b>2013</b> , 19, 2303-38	11.4	259
1705	Drought response and changing mean sensitivity of European beech close to the dry distribution limit. <b>2013</b> , 27, 171-181		64
1704	Species-level phenological responses to global warming as evidenced by herbarium collections in the Tibetan Autonomous Region. <b>2013</b> , 22, 141-152		16
1703	Moving forward in global-change ecology: capitalizing on natural variability. <b>2012</b> , 3, 170-81		23
1702	Phenological variation in xylem and phloem formation in <i>Fagus sylvatica</i> from two contrasting sites. <b>2013</b> , 180, 142-151		104
1701	Sensitivity of leaf unfolding to experimental warming in three temperate tree species. <b>2013</b> , 181, 125-132		60
1700	Responses of leafing phenology and photosynthesis to soil warming in forest-floor plants. <b>2013</b> , 51, 34-41		11
1699	A meta-analysis of cambium phenology and growth: linear and non-linear patterns in conifers of the northern hemisphere. <b>2013</b> , 112, 1911-20		92
1698	Intensity and timing of warming and drought differentially affect growth patterns of co-occurring Mediterranean tree species. <b>2013</b> , 132, 469-480		62
1697	Greater phenological sensitivity to temperature on higher Scottish mountains: new insights from remote sensing. <i>Global Change Biology</i> , <b>2013</b> , 19, 3463-71	11.4	16
1696	Ecological impacts of climate change in Japan: The importance of integrating local and international publications. <b>2013</b> , 157, 361-371		24
1695	Modelling olive phenological response to weather and topography. <b>2013</b> , 179, 62-68		50
1694	Response of chestnut phenology in China to climate variation and change. <b>2013</b> , 180, 164-172		54
1693	Performance of tree phenology models along a bioclimatic gradient in Sweden. <b>2013</b> , 266, 103-117		24
1692	Fall synchrony between leaf color change and brook trout spawning in the Laurentides Wildlife Reserve (Québec, Canada) as potential environmental integrators. <b>2013</b> , 30, 16-20		7
1691	A comparative analysis of changes in the phasing of temperature and satellite-derived greenness at northern latitudes. <b>2013</b> , 23, 57-66		3
1690	Climate change and the optimal flowering time of annual plants in seasonal environments. <i>Global Change Biology</i> , <b>2013</b> , 19, 197-207	11.4	27

- 1689 A plant's perspective of extremes: terrestrial plant responses to changing climatic variability. *Global Change Biology*, **2013**, 19, 75-89 11.4 321
- 1688 Climate warming over the past three decades has shortened rice growth duration in China and cultivar shifts have further accelerated the process for late rice. *Global Change Biology*, **2013**, 19, 563-70 11.4 116
- 1687 Phenological variation in height growth and needle unfolding of Smith fir along an altitudinal gradient on the southeastern Tibetan Plateau. **2013**, 27, 401-407 13
- 1686 Cattle change plant reproductive phenology, promoting community changes in a post-fire Nothofagus forest in northern Patagonia, Argentina. **2013**, 6, 459-467 10
- 1685 The adaptive potential of *Populus balsamifera* L. to phenology requirements in a warmer global climate. **2013**, 22, 1214-30 76
- 1684 Impacts of Changing Climate and Climate Variability on Seed Production and Seed Industry. **2013**, 49-110 45
- 1683 One man, 73 years, and 25 species. Evaluating phenological responses using a lifelong study of first flowering dates. **2013**, 57, 367-75 28
- 1682 Disparity in elevational shifts of European trees in response to recent climate warming. *Global Change Biology*, **2013**, 19, 2490-9 11.4 71
- 1681 Potential for evolutionary responses to climate change - evidence from tree populations. *Global Change Biology*, **2013**, 19, 1645-61 11.4 512
- 1680 Plant phenology as affected by land degradation in the arid Patagonian Monte, Argentina: A multivariate approach. **2013**, 91, 79-87 13
- 1679 Recent acceleration of carbon accumulation in a boreal peatland, south central Alaska. **2013**, 118, 41-53 50
- 1678 Genetic Structure of *Carex* Species from the Australian Alpine Region along Elevation Gradients: Patterns of Reproduction and Gene Flow. **2013**, 174, 189-199 6
- 1677 Predicting species-specific responses of fungi to climatic variation using historical records. *Global Change Biology*, **2013**, 19, 3145-54 11.4 38
- 1676 Seasonal carbon allocation to arbuscular mycorrhizal fungi assessed by microscopic examination, stable isotope probing and fatty acid analysis. **2013**, 368, 547-555 29
- 1675 Changes in satellite-derived spring vegetation green-up date and its linkage to climate in China from 1982 to 2010: a multimethod analysis. *Global Change Biology*, **2013**, 19, 881-91 11.4 215
- 1674 Phenological Shifts in Animals Under Contemporary Climate Change. **2013**, 716-727 7
- 1673 Plant Phenology Changes and Climate Change. **2013**, 103-108 3
- 1672 Shorter flowering seasons and declining abundance of flower visitors in a warmer Arctic. **2013**, 3, 759-763 139

1671	Wood Formation Under Drought Stress and Salinity. <b>2013</b> , 187-202	12
1670	Climate change impacts on biodiversity in Switzerland: A review. <b>2013</b> , 21, 154-162	39
1669	Detecting plant seasonality from webcams using Bayesian multiple change point analysis. <b>2013</b> , 168, 177-185	27
1668	Effects of experimental warming on fungal disease progress in oilseed rape. <i>Global Change Biology</i> , <b>2013</b> , 19, 1736-47	11.4 18
1667	Impacts of snow cover on vegetation phenology in the arctic from satellite data. <b>2013</b> , 30, 1421-1432	18
1666	Response of rangeland vegetation to snow cover dynamics in Nepal Trans Himalaya. <b>2013</b> , 117, 149-162	41
1665	Climate change and fire effects on a prairie-woodland ecotone: projecting species range shifts with a dynamic global vegetation model. <b>2013</b> , 3, 5076-97	37
1664	Climate Change and North American Rangelands: Trends, Projections, and Implications. <b>2013</b> , 66, 493-511	166
1663	Seasonal changes in camera-based indices from an open canopy black spruce forest in Alaska, and comparison with indices from a closed canopy evergreen coniferous forest in Japan. <b>2013</b> , 7, 125-135	11
1662	Pollen production and circulation patterns along an elevation gradient in Mt Olympos (Greece) National Park. <b>2013</b> , 29, 455-472	16
1661	Thermal growing season trends in east China, with emphasis on urbanization effects. <b>2013</b> , 33, 2402-2412	20
1660	Can spatial data substitute temporal data in phenological modelling? A survey using birch flowering. <b>2013</b> , 33, 1256-68	38
1659	The Onset, Course and Intensity of the Pollen Season. <b>2013</b> , 29-70	43
1658	En route to improved phenological models: can space-for-time substitution give guidance?. <b>2013</b> , 33, 1253-5	10
1657	Flowering date of taxonomic families predicts phenological sensitivity to temperature: Implications for forecasting the effects of climate change on unstudied taxa. <b>2013</b> , 100, 1381-97	43
1656	Climate warming shifts carbon allocation from stemwood to roots in calcium-depleted spruce forests. <b>2013</b> , 27, 101-107	27
1655	Plant response to a global greenhouse event 56 million years ago. <b>2013</b> , 100, 1234-54	66
1654	Indian monsoons shape dispersal phenology of plants. <b>2013</b> , 9, 20130675	3

1653	Nonlinear flowering responses to climate: are species approaching their limits of phenological change?. <b>2013</b> , 368, 20120489		90
1652	Spectral vegetation indices as the indicator of canopy photosynthetic productivity in a deciduous broadleaf forest. <b>2013</b> , 6, 393-407		51
1651	Shifts in Arctic phenology in response to climate and anthropogenic factors as detected from multiple satellite time series. <b>2013</b> , 8, 035036		35
1650	Phenologies of North American Grasslands and Grasses. <b>2013</b> , 197-210		10
1649	Variability Common to First Leaf Dates and Snowpack in the Western Conterminous United States. <b>2013</b> , 17, 1-18		13
1648	Agriculture and Climate Change in the Southeast USA. <b>2013</b> , 128-164		0
1647	Ecological niche modeling of coastal dune plants and future potential distribution in response to climate change and sea level rise. <i>Global Change Biology</i> , <b>2013</b> , 19, 2524-35	11.4	55
1646	Changes in the timing of hay cutting in Germany do not keep pace with climate warming. <i>Global Change Biology</i> , <b>2013</b> , 19, 3123-32	11.4	16
1645	Consistent shifts in spring vegetation green-up date across temperate biomes in China, 1982-2006. <i>Global Change Biology</i> , <b>2013</b> , 19, 870-80	11.4	90
1644	Microclimate in forests with varying leaf area index and soil moisture: potential implications for seedling establishment in a changing climate. <b>2013</b> , 101, 1201-1213		124
1643	A 2 °C warmer world is not safe for ecosystem services in the European Alps. <i>Global Change Biology</i> , <b>2013</b> , 19, 1827-40	11.4	104
1642	Analyzing first flowering event data using survival models with space and time-varying covariates. <b>2013</b> , 24, 317-331		6
1641	Contrasting leaf phenology in two white oaks, <i>Quercus magnoliifolia</i> and <i>Quercus resinosa</i> , along an altitudinal gradient in Mexico. <b>2013</b> , 43, 208-213		6
1640	Phenological response of grassland species to manipulative snowmelt and drought along an altitudinal gradient. <b>2013</b> , 64, 241-51		33
1639	Diurnal variation of NDVI from an unprecedented high-resolution geostationary ocean colour satellite. <b>2013</b> , 4, 639-647		5
1638	Predicting changes in temperate forest budburst using continental-scale observations and models. <b>2013</b> , 40, 359-364		51
1637	Temporal niches, ecosystem function and climate change. 165-188		1
1636	Phenological overlap of interacting species in a changing climate: an assessment of available approaches. <b>2013</b> , 3, 3183-93		61

1635	Tradeoffs between global warming and day length on the start of the carbon uptake period in seasonally cold ecosystems. <b>2013</b> , 40, 6136-6142	12
1634	Investigating plant-pollinator relationships in the Aegean: the approaches of the project POL-AEGIS (The pollinators of the Aegean archipelago: diversity and threats). <b>2013</b> , 52, 106-117	27
1633	Phenological response of tropical plants to regional climate change in Xishuangbanna, south-western China. <b>2013</b> , 29, 161-172	24
1632	Eco-evolutionary responses of <i>Bromus tectorum</i> to climate change: implications for biological invasions. <b>2013</b> , 3, 1374-87	34
1631	Species- and Community-Scale Simulation of the Phenology of a Temperate Forest in Changbai Mountain Based on Digital Camera Images. <b>2013</b> , 4, 317-326	4
1630	Citizen Science: linking the recent rapid advances of plant flowering in Canada with climate variability. <b>2013</b> , 3, 2239	17
1629	Physical, Environmental, Social and Cultural Impacts of Climate Change on Europe's Regions. <b>2013</b> , 51-93	
1628	Short-term cropland responses to temperature extreme events during late winter. <b>2013</b> , 10, 5545-5553	5
1627	Detection of Bio-Meteorological Year-to-Year Variation by Using Digital Canopy Surface Images of a Deciduous Broad-Leaved Forest. <b>2013</b> , 9, 106-110	20
1626	Record-breaking early flowering in the eastern United States. <b>2013</b> , 8, e53788	102
1625	Geographical pattern and environmental correlates of regional-scale general flowering in Peninsular Malaysia. <b>2013</b> , 8, e79095	10
1624	Trends in the Start of the Growing Season in Fennoscandia 1982-2011. <b>2013</b> , 5, 4304-4318	50
1623	Trends in Spring Phenology of Western European Deciduous Forests. <b>2013</b> , 5, 6159-6179	38
1622	Phenology of Some Phanerogams (Trees and Shrubs) of Northwestern Punjab, India. <b>2013</b> , 2013, 1-10	10
1621	Integrated Assessment of Vulnerability to Climate Change: the Case Study North Rhine-Westphalia. <b>2013</b> , 175-204	
1620	Towards a more objective evaluation of modelled land-carbon trends using atmospheric CO <sub>2</sub> and satellite-based vegetation activity observations. <b>2013</b> , 10, 4189-4210	24
1619	Earlier-season vegetation has greater temperature sensitivity of spring phenology in northern hemisphere. <b>2014</b> , 9, e88178	72
1618	Optical Medium Spatial Resolution Satellite Constellation Data for Monitoring Woodland in the UK. <b>2014</b> , 5, 1798-1814	1

1617	Changes in Spring Phenology in the Three-Rivers Headwater Region from 1999 to 2013. <b>2014</b> , 6, 9130-9144	19
1616	Analysing the spatio-temporal impacts of the 2003 and 2010 extreme heatwaves on plant productivity in Europe. <b>2014</b> , 11, 3421-3435	67
1615	Phenology as a strategy for carbon optimality: a global model. <b>2014</b> , 11, 763-778	41
1614	Focused Campaign Increases Activity among Participants in Nature's Notebook, a Citizen Science Project. <b>2014</b> , 43, 64-72	7
1613	Mountain vegetation at risk: Current perspectives and research needs. <b>2014</b> , 148, 35-41	12
1612	Climate change in Switzerland: a review of physical, institutional, and political aspects. <b>2014</b> , 5, 461-481	13
1611	Within-stand variation in silver birch ( <i>Betula pendula</i> Roth) phenology. <b>2014</b> , 28, 1801-1812	13
1610	Impact of climate change on weeds in agriculture: a review. <b>2014</b> , 34, 707-721	126
1609	Response of Perennial Horticultural Crops to Climate Change. <b>2014</b> , 47-130	1
1608	Tree phenology responses to winter chilling, spring warming, at north and south range limits. <b>2014</b> , 28, 1344-1355	51
1607	Temperature Changes in Central Asia from 1979 to 2011 Based on Multiple Datasets*. <b>2014</b> , 27, 1143-1167	177
1606	Frost resistance in alpine woody plants. <b>2014</b> , 5, 654	63
1605	The interaction between freezing tolerance and phenology in temperate deciduous trees. <b>2014</b> , 5, 541	159
1604	Inbreeding and thermal adaptation in <i>Drosophila subobscura</i> . <b>2014</b> , 57, 481-8	5
1603	Survivability and post-diapause fitness in a scolytid beetle as a function of overwintering developmental stage and the implications for population dynamics. <b>2014</b> , 39, 519-526	18
1602	Changes in first flowering dates and flowering duration of 232 plant species on the island of Guernsey. <i>Global Change Biology</i> , <b>2014</b> , 20, 3508-19	11.4 55
1601	The influence of local spring temperature variance on temperature sensitivity of spring phenology. <i>Global Change Biology</i> , <b>2014</b> , 20, 1473-80	11.4 61
1600	Basin-scale phenology and effects of climate variability on global timing of initial seaward migration of Atlantic salmon ( <i>Salmo salar</i> ). <i>Global Change Biology</i> , <b>2014</b> , 20, 61-75	11.4 124



1599	Predicting the sensitivity of butterfly phenology to temperature over the past century. <i>Global Change Biology</i> , <b>2014</b> , 20, 504-14	11.4	36
1598	Xylem formation can be modeled statistically as a function of primary growth and cambium activity. <b>2014</b> , 203, 831-41		56
1597	Plant responses to elevated temperatures: a field study on phenological sensitivity and fitness responses to simulated climate warming. <i>Global Change Biology</i> , <b>2014</b> , 20, 456-65	11.4	53
1596	Common garden comparison of the leaf-out phenology of woody species from different native climates, combined with herbarium records, forecasts long-term change. <b>2014</b> , 17, 1016-25		84
1595	Lengthening of the duration of xylogenesis engenders disproportionate increases in xylem production. <i>Global Change Biology</i> , <b>2014</b> , 20, 2261-71	11.4	95
1594	Hybridization in a warmer world. <b>2014</b> , 4, 2019-31		95
1593	Climate change and the distribution of neotropical red-bellied toads ( <i>Melanophryniscus</i> , Anura, Amphibia): how to prioritize species and populations?. <b>2014</b> , 9, e94625		29
1592	Environmental change and long-term body mass declines in an alpine mammal. <b>2014</b> , 11,		26
1591	Maize growing duration was prolonged across China in the past three decades under the combined effects of temperature, agronomic management, and cultivar shift. <i>Global Change Biology</i> , <b>2014</b> , 20, 3686-99	11.4	76
1590	Characteristics of Spring Phenological Changes in China over the Past 50 Years. <b>2014</b> , 2014, 1-8		4
1589	Analysis of vegetation dynamics and climatic variability impacts on greenness across Canada using remotely sensed data from 2000 to 2009. <b>2014</b> , 8, 083666		8
1588	Is climate warming more consequential towards poles? The phenology of Lepidoptera in Finland. <i>Global Change Biology</i> , <b>2014</b> , 20, 16-27	11.4	17
1587	Modeling daily flowering probabilities: expected impact of climate change on Japanese cherry phenology. <i>Global Change Biology</i> , <b>2014</b> , 20, 1251-63	11.4	21
1586	Increasing altitudinal gradient of spring vegetation phenology during the last decade on the Qinghai-Tibetan Plateau. <b>2014</b> , 189-190, 71-80		236
1585	Impact of climate change on human-wildlife-ecosystem interactions in the Trans-Himalaya region of Nepal. <b>2014</b> , 115, 517-529		78
1584	Googling trends in conservation biology. <b>2014</b> , 28, 44-51		71
1583	The spatial pattern of leaf phenology and its response to climate change in China. <b>2014</b> , 58, 521-8		60
1582	Simulating changes in the leaf unfolding time of 20 plant species in China over the twenty-first century. <b>2014</b> , 58, 473-84		17

1581	Extended season for northern butterflies. <b>2014</b> , 58, 691-701	42
1580	Fifteen-year phenological plant species and meteorological trends in central Italy. <b>2014</b> , 58, 661-7	7
1579	A statistical approach to bioclimatic trend detection in the airborne pollen records of Catalonia (NE Spain). <b>2014</b> , 58, 371-82	24
1578	Phenology predicts the native and invasive range limits of common ragweed. <i>Global Change Biology</i> , <b>2014</b> , 20, 192-202	11.4 72
1577	Warming-related growth responses at the southern limit distribution of mountain pine ( <i>Pinus mugo</i> Turra subsp. <i>mugo</i> ). <b>2014</b> , 25, 571-583	20
1576	Ecosystem service state and trends at the regional to national level: A rapid assessment. <b>2014</b> , 36, 11-18	66
1575	Long-term temporal changes in central European tree phenology (1946-2010) confirm the recent extension of growing seasons. <b>2014</b> , 58, 1739-48	35
1574	Phenology research for natural resource management in the United States. <b>2014</b> , 58, 579-89	35
1573	Effects of topography and crown-exposure on olive tree phenology. <b>2014</b> , 28, 449-459	20
1572	Spatiotemporal analysis of ground-based woody plant leafing in response to temperature in temperate eastern China. <b>2014</b> , 58, 1583-92	3
1571	Ensemble empirical mode decomposition for analyzing phenological responses to warming. <b>2014</b> , 194, 1-7	21
1570	Timing and duration of phenological sequences of alpine plants along an elevation gradient on the Tibetan plateau. <b>2014</b> , 189-190, 220-228	54
1569	Climatic factors controlling plant sensitivity to warming. <b>2014</b> , 122, 723-734	26
1568	Lessons from the past in weather variability: sowing to ripening dynamics and yield penalties for northern agriculture from 1970 to 2012. <b>2014</b> , 14, 1505-1516	29
1567	Afforestation, restoration and regeneration [Not all trees are created equal. <b>2014</b> , 25, 3-20	26
1566	Effects of the time of drought occurrence within the growing season on growth and survival of <i>Pinus ponderosa</i> seedlings. <b>2014</b> , 28, 745	9
1565	A model study of the Copper River plume and its effects on the northern Gulf of Alaska. <b>2014</b> , 64, 241-258	8
1564	Chilling and heat requirements for leaf unfolding in European beech and sessile oak populations at the southern limit of their distribution range. <b>2014</b> , 58, 1853-64	54

1563	Airborne pollen records and their potential applications to the conservation of biodiversity. <b>2014</b> , 30, 111-122		15
1562	Terrestrial carbon cycle affected by non-uniform climate warming. <b>2014</b> , 7, 173-180		149
1561	Detecting winter wheat phenology with SPOT-VEGETATION data in the North China Plain. <b>2014</b> , 29, 244-255		39
1560	Remotely sensed trends in the phenology of northern high latitude terrestrial vegetation, controlling for land cover change and vegetation type. <b>2014</b> , 143, 154-170		91
1559	Climate variation effects on fungal fruiting. <b>2014</b> , 10, 20-33		112
1558	Unexpected role of winter precipitation in determining heat requirement for spring vegetation green-up at northern middle and high latitudes. <i>Global Change Biology</i> , <b>2014</b> , 20, 3743-55	11.4	122
1557	Elevated CO2 further lengthens growing season under warming conditions. <b>2014</b> , 510, 259-62		117
1556	Effect of open-field experimental warming on the leaf phenology of oriental oak ( <i>Quercus variabilis</i> ) seedlings. <b>2014</b> , 7, 559-566		13
1555	Quo vadis amphibia? Global warming and breeding phenology in frogs, toads and salamanders. <b>2014</b> , 37, 921-929		36
1554	Anthropogenic edges, isolation and the flowering time and fruit set of <i>Anadenanthera peregrina</i> , a cerrado savanna tree. <b>2014</b> , 58, 443-54		13
1553	The influence of sampling design on tree-ring-based quantification of forest growth. <i>Global Change Biology</i> , <b>2014</b> , 20, 2867-85	11.4	186
1552	Impacts of temperature and water table manipulation on grassland phenology. <b>2014</b> , 17, 625-635		9
1551	Strong contribution of autumn phenology to changes in satellite-derived growing season length estimates across Europe (1982-2011). <i>Global Change Biology</i> , <b>2014</b> , 20, 3457-70	11.4	154
1550	Climate change and geothermal ecosystems: natural laboratories, sentinel systems, and future refugia. <i>Global Change Biology</i> , <b>2014</b> , 20, 3291-9	11.4	60
1549	Chilling outweighs photoperiod in preventing precocious spring development. <i>Global Change Biology</i> , <b>2014</b> , 20, 170-82	11.4	233
1548	The use of antifreeze proteins for frost protection in sensitive crop plants. <b>2014</b> , 106, 60-69		35
1547	Progress towards an interdisciplinary science of plant phenology: building predictions across space, time and species diversity. <b>2014</b> , 201, 1156-62		83
1546	Evidence of genetic change in the flowering phenology of sea beets along a latitudinal cline within two decades. <b>2014</b> , 27, 1572-81		20

1545	Back to the future for plant phenology research. <b>2014</b> , 203, 1021-1024	14
1544	Competitive interactions modify the temperature dependence of damselfly growth rates. <b>2014</b> , 95, 1394-406	13
1543	Mechanistic insights into the effects of climate change on larval cod. <i>Global Change Biology</i> , <b>2014</b> , 20, 1559-84	11.4 20
1542	Field evidence for earlier leaf-out dates in alpine grassland on the eastern Tibetan Plateau from 1990 to 2006. <b>2014</b> , 10,	17
1541	Can Boreal and Temperate Forest Management be Adapted to the Uncertainties of 21st Century Climate Change?. <b>2014</b> , 33, 251-285	74
1540	Recent spring phenology shifts in western Central Europe based on multiscale observations. <b>2014</b> , 23, 1255-1263	143
1539	Using digital camera images to analyse snowmelt and phenology of a subalpine grassland. <b>2014</b> , 198-199, 116-125	58
1538	Observed Climatic Variations in the Growing Season of Field Crops in Northeast China from 1992 to 2012. <b>2014</b> , 13, 1451-1461	4
1537	Unexpected climate impacts on the Tibetan Plateau: Local and scientific knowledge in findings of delayed summer. <b>2014</b> , 28, 141-152	91
1536	A physically based vegetation index for improved monitoring of plant phenology. <b>2014</b> , 152, 512-525	82
1535	Plastic and locally adapted phenology in cambial seasonality and production of xylem and phloem cells in <i>Picea abies</i> from temperate environments. <b>2014</b> , 34, 869-81	62
1534	Spatio-temporal variation in phenological response of citrus to climate change in Iran: 1960-2010. <b>2014</b> , 198-199, 285-293	14
1533	Beyond seasonal climate: statistical estimation of phenological responses to weather. <b>2014</b> , 24, 1793-802	19
1532	Detecting the unexpected: a research framework for ocean acidification. <b>2014</b> , 48, 9982-94	34
1531	Will tree species experience increased frost damage due to climate change because of changes in leaf phenology?. <b>2014</b> , 44, 1555-1565	30
1530	Temporal ecology in the Anthropocene. <b>2014</b> , 17, 1365-79	164
1529	The role of citizen science in monitoring biodiversity in Ireland. <b>2014</b> , 58, 1237-49	38
1528	Tree leaf out response to temperature: comparing field observations, remote sensing, and a warming experiment. <b>2014</b> , 58, 1251-7	14

1527	Cranberry flowering times and climate change in southern Massachusetts. <b>2014</b> , 58, 1693-7	9
1526	Separating temperature from other factors in phenological measurements. <b>2014</b> , 58, 1699-704	9
1525	Citizen science: best practices to remove observer bias in trend analysis. <b>2014</b> , 58, 2159-63	18
1524	The how and why of societal publications for citizen science projects and scientists. <b>2014</b> , 58, 565-77	21
1523	Phenological documentation of an invasive species, <i>Sapium sebiferum</i> (L.) Roxb. <b>2014</b> , 186, 4423-9	9
1522	Ecosystem functions are resistant to extreme changes to rainfall regimes in a mesotrophic grassland. <b>2014</b> , 381, 351-365	14
1521	Depiction of Grapevine Phenology by Gene Expression Information and a Test of its Workability in Guiding Fertilization. <b>2014</b> , 32, 1070-1084	6
1520	Variation in leaf flushing date influences autumnal senescence and next year's flushing date in two temperate tree species. <b>2014</b> , 111, 7355-60	178
1519	Eastern deciduous tree seedlings advance spring phenology in response to experimental warming, but not wetting, treatments. <b>2014</b> , 215, 543-554	11
1518	Elevated atmospheric CO <sub>2</sub> and humidity delay leaf fall in <i>Betula pendula</i> , but not in <i>Alnus glutinosa</i> or <i>Populus tremula</i> $\square$ <i>tremuloides</i> . <b>2014</b> , 71, 831-842	22
1517	Inversion polymorphism in two Serbian natural populations of <i>Drosophila subobscura</i> : Analysis of long-term changes. <b>2014</b> , 50, 557-562	4
1516	Individual migration timing of common nightingales is tuned with vegetation and prey phenology at breeding sites. <b>2014</b> , 14, 9	25
1515	Leaf out times of temperate woody plants are related to phylogeny, deciduousness, growth habit and wood anatomy. <b>2014</b> , 203, 1208-1219	84
1514	Some like it hot and some like it cold, but not too much: plant responses to climate extremes. <b>2014</b> , 215, 677-688	48
1513	Photoperiod and temperature responses of bud swelling and bud burst in four temperate forest tree species. <b>2014</b> , 34, 377-88	125
1512	Effects of elevation on spring phenological sensitivity to temperature in Tibetan Plateau grasslands. <b>2014</b> , 59, 4856-4863	29
1511	Divergent phenological response to hydroclimate variability in forested mountain watersheds. <i>Global Change Biology</i> , <b>2014</b> , 20, 2580-95	11.4 60
1510	Relationship between spatio-temporal characteristics of leaf-fall phenology and seasonal variations in near surface- and satellite-observed vegetation indices in a cool-temperate deciduous broad-leaved forest in Japan. <b>2014</b> , 35, 3520-3536	27

1509	Rice reproductive growth duration increased despite of negative impacts of climate warming across China during 1981-2009. <b>2014</b> , 54, 70-83	28
1508	Post-heading heat stress and yield impact in winter wheat of China. <i>Global Change Biology</i> , <b>2014</b> , 20, 372-81	11.4 83
1507	Shifting and extension of phenological periods with increasing temperature along elevational transects in southern Bavaria. <b>2014</b> , 16, 332-44	20
1506	Evaluating Remotely Sensed Phenological Metrics in a Dynamic Ecosystem Model. <b>2014</b> , 6, 4660-4686	21
1505	A 170 year spring phenology index of plants in eastern China. <b>2014</b> , 119, 301-311	25
1504	Interactions in a warmer world: effects of experimental warming, conspecific density, and herbivory on seedling dynamics. <b>2014</b> , 5, art9	6
1503	Chilling temperature and photoperiod influence the timing of bud burst in juvenile <i>Betula pubescens</i> Ehrh. and <i>Populus tremula</i> L. trees. <b>2015</b> , 72, 941-953	22
1502	Effect of winter cold duration on spring phenology of the orange tip butterfly, <i>Anthocharis cardamines</i> . <b>2015</b> , 5, 5509-20	34
1501	Multidimensional environmental influences on timing of breeding in a tree swallow population facing climate change. <b>2015</b> , 8, 933-44	28
1500	Changes in Spring and Summer Phenology in Poland [Responses of Selected Plant Species to Air Temperature Variations. <b>2015</b> , 63, 311-319	13
1499	Sex and age dependent migration phenology of the Pied Flycatcher in a stopover site in the Carpathian Basin. <b>2015</b> , 23, 10-19	7
1498	Sensitivity of flowering phenology to changing temperature in China. <b>2015</b> , 120, 1658-1665	28
1497	Parameterization of temperature sensitivity of spring phenology and its application in explaining diverse phenological responses to temperature change. <b>2015</b> , 5, 8833	29
1496	Divergent responses of leaf phenology to changing temperature among plant species and geographical regions. <b>2015</b> , 6, art250	23
1495	Diverse Responses of Remotely Sensed Grassland Phenology to Interannual Climate Variability over Frozen Ground Regions in Mongolia. <b>2015</b> , 7, 360-377	14
1494	Medium-term changes in <i>Drosophila subobscura</i> chromosomal inversion polymorphism: a possible relation with global warming?. <b>2015</b> , 94, 343-6	5
1493	Impact of Climate Change on the Phenological Development of Winter Wheat, Sugar Beet and Winter Oilseed Rape in Lower Saxony, Germany. <b>2015</b> , 122, 16-27	8
1492	Analysis of population genetic structure and gene flow in an annual plant before and after a rapid evolutionary response to drought. <b>2015</b> , 7,	8

1491	Intercomparison of satellite sensor land surface phenology and ground phenology in Europe. <b>2015</b> , 42, 2253-2260		58
1490	Unbiased inference of plant flowering phenology from biological recording data. <b>2015</b> , 115, 543-554		8
1489	Contrasting effects of warming and increased snowfall on Arctic tundra plant phenology over the past two decades. <i>Global Change Biology</i> , <b>2015</b> , 21, 4651-61	11.4	96
1488	Recent spatiotemporal patterns in temperature extremes across conterminous United States. <b>2015</b> , 120, 7378-7392		28
1487	Long-term changes in migration and breeding periods of avian summer visitors to Japan. <b>2015</b> , 64, 39-51		1
1486	Phenological responses of prairie plants vary among species and year in a three-year experimental warming study. <b>2015</b> , 6, art208		20
1485	Seasonality of soil moisture mediates responses of ecosystem phenology to elevated CO <sub>2</sub> and warming in a semi-arid grassland. <b>2015</b> , 103, 1119-1130		41
1484	Simulation of the phenological development of wheat and maize at the global scale. <b>2015</b> , 24, 1018-1029		43
1483	Seasonal synchronization of seed release phenology promotes long-distance seed dispersal by wind for tree species with medium wind dispersal potential. <b>2015</b> , 26, 1090-1101		6
1482	The developmental race between maturing host plants and their butterfly herbivore - the influence of phenological matching and temperature. <b>2015</b> , 84, 1690-9		17
1481	Climate change and shrinking salamanders: alternative mechanisms for changes in plethodontid salamander body size. <i>Global Change Biology</i> , <b>2015</b> , 21, 2834-43	11.4	32
1480	Leaf-trait plasticity and species vulnerability to climate change in a Mongolian steppe. <i>Global Change Biology</i> , <b>2015</b> , 21, 3489-98	11.4	45
1479	Who flies first? Habitat-specific phenological shifts of butterflies and orthopterans in the light of climate change: a case study from the south-east Mediterranean. <b>2015</b> , 40, 562-574		11
1478	Responses of Montane Forest to Climate Variability in the Central Himalayas of Nepal. <b>2015</b> , 35, 66-77		18
1477	Incorporating climate change projections into riparian restoration planning and design. <b>2015</b> , 8, 863-879		38
1476	Temperature sensitivity of plant phenology in temperate and subtropical regions of China from 1850 to 2009. <b>2015</b> , 35, 913-922		35
1475	Temperature sensitivity as an explanation of the latitudinal pattern of green-up date trend in Northern Hemisphere vegetation during 1982-2008. <b>2015</b> , 35, 3707-3712		31
1474	A spatial analysis of plant phenophase changes and the impact of increases in urban land use. <b>2015</b> , 35, 972-980		7

1473	Characterising the Land Surface Phenology of Europe Using Decadal MERIS Data. <b>2015</b> , 7, 9390-9409	29
1472	Modelling fire occurrence at regional scale: does vegetation phenology matter?. <b>2015</b> , 48, 763-775	7
1471	Interpreting canopy development and physiology using a European phenology camera network at flux sites. <b>2015</b> , 12, 5995-6015	77
1470	Trends and climatic sensitivities of vegetation phenology in semiarid and arid ecosystems in the US Great Basin during 1982-2011. <b>2015</b> , 12, 6985-6997	28
1469	Comparative Risk Assessment to Inform Adaptation Priorities for the Natural Environment: Observations from the First UK Climate Change Risk Assessment. <b>2015</b> , 3, 937-963	12
1468	Dynamic Response of Satellite-Derived Vegetation Growth to Climate Change in the Three North Shelter Forest Region in China. <b>2015</b> , 7, 9998-10016	69
1467	Spatial and Temporal Changes in Vegetation Phenology at Middle and High Latitudes of the Northern Hemisphere over the Past Three Decades. <b>2015</b> , 7, 10973-10995	57
1466	Climatic Controls on Spring Onset of the Tibetan Plateau Grasslands from 1982 to 2008. <b>2015</b> , 7, 16607-16622	29
1465	Functional Trait Changes, Productivity Shifts and Vegetation Stability in Mountain Grasslands during a Short-Term Warming. <b>2015</b> , 10, e0141899	27
1464	Impacts of Climate Change on the Timing of the Production Season of Maple Syrup in Eastern Canada. <b>2015</b> , 10, e0144844	19
1463	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> ). <b>2015</b> , 1, 45-58	10
1462	Probing the past 30-year phenology trend of US deciduous forests. <b>2015</b> , 12, 4693-4709	34
1461	Selective Reporting and the Social Cost of Carbon. <b>2015</b> ,	1
1460	Has the advancing onset of spring vegetation green-up slowed down or changed abruptly over the last three decades?. <b>2015</b> , 24, 621-631	86
1459	Changes in autumn senescence in northern hemisphere deciduous trees: a meta-analysis of autumn phenology studies. <b>2015</b> , 116, 875-88	151
1458	Potential impact of future climate change on crop yield in northeastern China. <b>2015</b> , 32, 889-897	18
1457	High-Altitude Flora and Vegetation of Kazakhstan and Climate Change Impacts. <b>2015</b> , 1-48	2
1456	Models to predict the start of the airborne pollen season. <b>2015</b> , 59, 837-48	8



1455	Five years of phenological monitoring in a mountain grassland: inter-annual patterns and evaluation of the sampling protocol. <b>2015</b> , 59, 1927-37	24
1454	A functional group analysis of change in the abundance and distribution of 207 plant species across 115 years in north-central North America. <b>2015</b> , 24, 2439-2457	9
1453	Does flower phenology mirror the slowdown of global warming?. <b>2015</b> , 5, 2284-95	12
1452	Synchronisms and correlations of spring phenology between apical and lateral meristems in two boreal conifers. <b>2015</b> , 35, 1086-94	37
1451	Is rapid evolution of reproductive traits in <i>Adonis annua</i> consistent with pollinator decline?. <b>2015</b> , 69, 161-166	5
1450	Geographical variation in species' population responses to changes in temperature and precipitation. <b>2015</b> , 282, 20151561	36
1449	Plant Heat Stress Response and Thermotolerance. <b>2015</b> , 15-41	5
1448	Contemporary evolution of plant reproductive strategies under global change is revealed by stored seeds. <b>2015</b> , 28, 766-78	40
1447	Closer to the rear edge: ecology and genetic diversity down the core-edge gradient of a marine macroalga. <b>2015</b> , 6, art23	28
1446	Temperature and geographic attribution of change in the <i>Taraxacum mongolicum</i> growing season from 1990 to 2009 in eastern China's temperate zone. <b>2015</b> , 59, 1437-52	10
1445	Climate warming causes intensification of the hydrological cycle, resulting in changes to the vernal and autumnal windows in a northern temperate forest. <b>2015</b> , 29, 3519-3534	25
1444	Phenology of Temperate Fruit Trees. <b>2015</b> , 19-22	
1443	Comparing land surface phenology with leafing and flowering observations from the PlantWatch citizen network. <b>2015</b> , 160, 273-280	44
1442	Climate change, phenology, and butterfly host plant utilization. <b>2015</b> , 44 Suppl 1, S78-88	22
1441	Do variations in leaf phenology affect radial growth variations in <i>Fagus sylvatica</i> ?. <b>2015</b> , 59, 1127-32	21
1440	UV-B and temperature enhancement affect spring and autumn phenology in <i>Populus tremula</i> . <b>2015</b> , 38, 867-77	26
1439	Analysis and interpretation of long temporal trends in cumulative temperatures and olive reproductive features using a seasonal trend decomposition procedure. <b>2015</b> , 203, 208-216	17
1438	Adaptation of potato production to climate change by optimizing sowing date in the Loess Plateau of central Gansu, China. <b>2015</b> , 14, 398-409	16

1437	The timing of autumn senescence is affected by the timing of spring phenology: implications for predictive models. <i>Global Change Biology</i> , <b>2015</b> , 21, 2634-2641	11.4	172
1436	Modelling olive trees and grapevines in a changing climate. <b>2015</b> , 72, 387-401		69
1435	Climate-induced changes in host tree insect phenology may drive ecological state-shift in boreal forests. <b>2015</b> , 96, 1480-1491		106
1434	Urban phenological studies - Past, present, future. <b>2015</b> , 203, 250-261		66
1433	Cascading effects of climate extremes on vertebrate fauna through changes to low-latitude tree flowering and fruiting phenology. <i>Global Change Biology</i> , <b>2015</b> , 21, 3267-77	11.4	68
1432	Start of vegetation growing season on the Tibetan Plateau inferred from multiple methods based on GIMMS and SPOT NDVI data. <b>2015</b> , 25, 131-148		40
1431	Increased heat requirement for leaf flushing in temperate woody species over 1980-2012: effects of chilling, precipitation and insolation. <i>Global Change Biology</i> , <b>2015</b> , 21, 2687-2697	11.4	103
1430	Autumn, the neglected season in climate change research. <b>2015</b> , 30, 169-76		268
1429	Models for forecasting the flowering of Cornicabra olive groves. <b>2015</b> , 59, 1547-56		14
1428	Geographical pattern in first bloom variability and its relation to temperature sensitivity in the USA and China. <b>2015</b> , 59, 961-9		29
1427	Effects of canopy phenology on deciduous overstory and evergreen understory carbon budgets in a cool-temperate forest ecosystem under ongoing climate change. <b>2015</b> , 30, 267-277		14
1426	The effect of urban morphology on <i>Tilia europaea</i> flowering. <b>2015</b> , 14, 187-193		14
1425	Photoperiod constraints on tree phenology, performance and migration in a warming world. <b>2015</b> , 38, 1725-36		193
1424	Climatic warming above the Arctic Circle: are there trends in timing and length of the thermal growing season in Murmansk Region (Russia) between 1951 and 2012?. <b>2015</b> , 59, 693-705		12
1423	Comparison of the driving forces of spring phenology among savanna landscapes by including combined spatial and temporal heterogeneity. <b>2015</b> , 59, 1373-84		4
1422	Temperature alone does not explain phenological variation of diverse temperate plants under experimental warming. <i>Global Change Biology</i> , <b>2015</b> , 21, 3138-51	11.4	47
1421	Climate change impacts of legume-grass swards: implications for organic farming in the Federal State of Brandenburg, Germany. <b>2015</b> , 15, 405-414		7
1420	Do climatic and habitat conditions affect the reproductive success of an invasive tree species? An assessment of the phenology of <i>Acacia longifolia</i> in Portugal. <b>2015</b> , 216, 343-355		11

1419	Three decades of multi-dimensional change in global leaf phenology. <b>2015</b> , 5, 364-368	195
1418	Multiple-year assessment of phenological plasticity within a beech ( <i>Fagus sylvatica</i> L.) stand in southern Germany. <b>2015</b> , 211-212, 13-22	12
1417	Root growth dynamics linked to above-ground growth in walnut ( <i>Juglans regia</i> ). <b>2015</b> , 116, 49-60	19
1416	Effects of experimental early canopy closure on the growth and reproduction of spring ephemeral <i>Erythronium japonicum</i> in a montane deciduous forest. <b>2015</b> , 58, 164-174	10
1415	Satellite- versus temperature-derived green wave indices for predicting the timing of spring migration of avian herbivores. <b>2015</b> , 58, 322-331	16
1414	Patterns of late spring frost leaf damage and recovery in a European beech ( <i>Fagus sylvatica</i> L.) stand in south-eastern Germany based on repeated digital photographs. <b>2015</b> , 6, 110	49
1413	Remote Sensing Time Series Revealing Land Surface Dynamics: Status Quo and the Pathway Ahead. <b>2015</b> , 1-24	12
1412	A cross-taxon analysis of the impact of climate change on abundance trends in central Europe. <b>2015</b> , 187, 41-50	32
1411	Unscrambling confounded effects of sowing date trials to screen for crop adaptation to high temperature. <b>2015</b> , 177, 1-8	30
1410	Multidecadal Variability of the Summer Length in Europe*. <b>2015</b> , 28, 5375-5388	24
1409	Codominant water control on global interannual variability and trends in land surface phenology and greenness. <i>Global Change Biology</i> , <b>2015</b> , 21, 3414-35	11.4 121
1408	Determining the relative importance of climatic drivers on spring phenology in grassland ecosystems of semi-arid areas. <b>2015</b> , 59, 237-48	20
1407	Assessment of <i>Quercus</i> flowering trends in NW Spain. <b>2015</b> , 59, 517-31	12
1406	Dynamic variability of the heading-flowering stages of single rice in China based on field observations and NDVI estimations. <b>2015</b> , 59, 643-55	7
1405	Trophic level responses differ as climate warms in Ireland. <b>2015</b> , 59, 1007-17	12
1404	Variations in cereal crop phenology in Spain over the last twenty-six years (1986-2012). <b>2015</b> , 130, 545-558	32
1403	Phenology of leaf morphological, photosynthetic, and nitrogen use characteristics of canopy trees in a cool-temperate deciduous broadleaf forest at Takayama, central Japan. <b>2015</b> , 30, 247-266	25
1402	Temporal variation overshadows the response of leaf litter microbial communities to simulated global change. <b>2015</b> , 9, 2477-89	59

1401	Impact of climate change on wheat flowering time in eastern Australia. <b>2015</b> , 209-210, 11-21	59
1400	Trophic mismatch requires seasonal heterogeneity of warming. <b>2015</b> , 96, 2794-805	22
1399	Intensity of heat stress in winter wheat phenology compensates for the adverse effect of global warming. <b>2015</b> , 10, 024012	64
1398	Effects of climate extremes on the terrestrial carbon cycle: concepts, processes and potential future impacts. <i>Global Change Biology</i> , <b>2015</b> , 21, 2861-80	11.4 454
1397	Future challenge for endangered arable weed species facing global warming: Low temperature optima and narrow moisture requirements. <b>2015</b> , 182, 262-269	11
1396	Precipitation impacts on vegetation spring phenology on the Tibetan Plateau. <i>Global Change Biology</i> , <b>2015</b> , 21, 3647-56	11.4 260
1395	Leaf onset in the northern hemisphere triggered by daytime temperature. <b>2015</b> , 6, 6911	261
1394	Substantial variation in leaf senescence times among 1360 temperate woody plant species: implications for phenology and ecosystem processes. <b>2015</b> , 116, 865-73	56
1393	The environmental genomics of metazoan thermal adaptation. <b>2015</b> , 114, 502-14	47
1392	Beyond maps: a review of the applications of biological records. <b>2015</b> , 115, 532-542	60
1391	From observations to experiments in phenology research: investigating climate change impacts on trees and shrubs using dormant twigs. <b>2015</b> , 116, 889-97	36
1390	Small differences in seasonal and thermal niches influence elevational limits of native and invasive Balsams. <b>2015</b> , 191, 682-691	10
1389	Declining global warming effects on the phenology of spring leaf unfolding. <b>2015</b> , 526, 104-7	409
1388	Climatic and photoperiodic effects on flowering phenology of select eucalypts from south-eastern Australia. <b>2015</b> , 214-215, 231-242	14
1387	Odonata as candidate macroecological barometers for global climate change. <b>2015</b> , 34, 1040-1049	52
1386	Effects of different warming patterns on the translocations of cadmium and copper in a soil-rice seedling system. <b>2015</b> , 22, 15835-43	7
1385	Uncertainties involved in leaf fall phenology detected by digital camera. <b>2015</b> , 30, 124-132	5
1384	Adaptation of wheat, barley, canola, field pea and chickpea to the thermal environments of Australia. <b>2015</b> , 66, 1137	47

1383	Plant phenology and climate change: Progress in methodological approaches and application. <b>2015</b> , 39, 460-482	65
1382	Climate change and decadal shifts in the phenology of larval fishes in the California Current ecosystem. <b>2015</b> , 112, E4065-74	120
1381	Long-term phenological trends, species accumulation rates, aphid traits and climate: five decades of change in migrating aphids. <b>2015</b> , 84, 21-34	87
1380	Plant phenological responses to climate change on the Tibetan Plateau: research status and challenges. <b>2015</b> , 2, 454-467	99
1379	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. <b>2015</b> , 102, 1610-24	16
1378	Phenological basis of determining tourism seasons for ornamental plants in central and eastern China. <b>2015</b> , 25, 1343-1356	4
1377	Lower plasticity exhibited by high- versus mid-elevation species in their phenological responses to manipulated temperature and drought. <b>2015</b> , 116, 953-62	49
1376	Selective reporting and the social cost of carbon. <b>2015</b> , 51, 394-406	43
1375	Species-specific phenological responses to winter temperature and precipitation in a water-limited ecosystem. <b>2015</b> , 6, art98	29
1374	Gene-flow through space and time: dispersal, dormancy and adaptation to changing environments. <b>2015</b> , 29, 813-831	32
1373	Is long range transport of pollen in the NW Mediterranean basin influenced by Northern Hemisphere teleconnection patterns?. <b>2015</b> , 532, 771-9	8
1372	Plants and climate change: complexities and surprises. <b>2015</b> , 116, 849-64	239
1371	Responses of spring phenology in temperate zone trees to climate warming: A case study of apricot flowering in China. <b>2015</b> , 201, 1-7	107
1370	Local adaptations and climate change: converging sensitivity of bud break in black spruce provenances. <b>2015</b> , 59, 827-35	25
1369	Spatiotemporal analysis of olive flowering using geostatistical techniques. <b>2015</b> , 505, 860-9	46
1368	Effects of climate change on phenology and primary productivity in the desert steppe of Inner Mongolia. <b>2015</b> , 7, 251-263	22
1367	Phenological change and ecological interactions: an introduction. <b>2015</b> , 124, 1-3	8
1366	The lost generation hypothesis: could climate change drive ectotherms into a developmental trap?. <b>2015</b> , 124, 54-61	119

1365	Phenological models to predict the main flowering phases of olive ( <i>Olea europaea</i> L.) along a latitudinal and longitudinal gradient across the Mediterranean region. <b>2015</b> , 59, 629-41	41
1364	Alteration of the phenology of leaf senescence and fall in winter deciduous species by climate change: effects on nutrient proficiency. <i>Global Change Biology</i> , <b>2015</b> , 21, 1005-17	11.4 189
1363	Long-term phenological shifts and intra-specific differences in migratory change in the willow warbler <i>Phylloscopus trochilus</i> . <b>2015</b> , 46, 97-106	12
1362	Beyond mice and men: environmental change, immunity and infections in wild ungulates. <b>2015</b> , 37, 255-66	23
1361	Long-term herbarium records reveal temperature-dependent changes in flowering phenology in the southeastern USA. <b>2015</b> , 59, 347-55	38
1360	Spatiotemporal variability of winter wheat phenology in response to weather and climate variability in China. <b>2015</b> , 20, 1191-1202	43
1359	How climate proof is the European Union's biodiversity policy?. <b>2015</b> , 15, 997-1010	11
1358	Temperature sensitivity of spring vegetation phenology correlates to within-spring warming speed over the Northern Hemisphere. <b>2015</b> , 50, 62-68	52
1357	. <b>2015</b> , 53, 542-556	33
1356	Modeling the seasonal dynamics of leaf area index based on environmental constraints to canopy development. <b>2015</b> , 200, 46-56	27
1355	Herbarium records identify sensitivity of flowering phenology of eucalypts to climate: Implications for species response to climate change. <b>2015</b> , 40, 117-125	33
1354	An improved logistic method for detecting spring vegetation phenology in grasslands from MODIS EVI time-series data. <b>2015</b> , 200, 9-20	73
1353	Crop modeling for climate change impact and adaptation. <b>2015</b> , 505-546	19
1352	Phenological response to climate change in China: a meta-analysis. <i>Global Change Biology</i> , <b>2015</b> , 21, 265-274	192
1351	Assessing accuracy in citizen science-based plant phenology monitoring. <b>2015</b> , 59, 917-26	57
1350	Spatio-temporal distribution of the timing of start and end of growing season along vertical and horizontal gradients in Japan. <b>2015</b> , 59, 47-54	16
1349	Season Spotter: Using Citizen Science to Validate and Scale Plant Phenology from Near-Surface Remote Sensing. <b>2016</b> , 8, 726	39
1348	Modelling interannual variation in the spring and autumn land surface phenology of the European forest. <b>2016</b> , 13, 3305-3317	25

1347	Continental-Scale Patterns Reveal Potential for Warming-Induced Shifts in Cattle Diet. <b>2016</b> , 11, e0161511	14
1346	Plant Ecology. <b>2016</b> , 231-239	
1345	Using Ordinary Digital Cameras in Place of Near-Infrared Sensors to Derive Vegetation Indices for Phenology Studies of High Arctic Vegetation. <b>2016</b> , 8, 847	41
1344	Ecological Impacts of Climate Change. <b>2016</b> , 397-426	2
1343	Coherence among the Northern Hemisphere land, cryosphere, and ocean responses to natural variability and anthropogenic forcing during the satellite era. <b>2016</b> , 7, 717-734	8
1342	Increased Risk of Freeze Damage in Woody Perennials VIS-EVIS Climate Change: Importance of Deacclimation and Dormancy Response. <b>2016</b> , 4,	23
1341	A Review of the Characteristics of Small-Leaved Lime ( <i>Tilia cordata</i> Mill.) and Their Implications for Silviculture in a Changing Climate. <b>2016</b> , 7, 56	33
1340	Spatiotemporal Variability in Start and End of Growing Season in China Related to Climate Variability. <b>2016</b> , 8, 433	26
1339	On the Importance of High-Resolution Time Series of Optical Imagery for Quantifying the Effects of Snow Cover Duration on Alpine Plant Habitat. <b>2016</b> , 8, 481	25
1338	Biological Interactions and Simulated Climate Change Modulates the Ecophysiological Performance of <i>Colobanthus quitensis</i> in the Antarctic Ecosystem. <b>2016</b> , 11, e0164844	21
1337	Carbon Cycle Climate Feedbacks. 563-593	
1336	Variation of Main Phenophases in Phenological Calendar in East China and Their Response to Climate Change. <b>2016</b> , 2016, 1-8	185
1335	Effects of Different Methods on the Comparison between Land Surface and Ground Phenology: A Methodological Case Study from South-Western Germany. <b>2016</b> , 8, 753	26
1334	Can phenological models predict tree phenology accurately in the future? The unrevealed hurdle of endodormancy break. <i>Global Change Biology</i> , <b>2016</b> , 22, 3444-60	11.4 113
1333	Convergence among global biogeographical realms in the physiological niche of evergreen and deciduous vegetation. <b>2016</b> , 25, 704-715	8
1332	Historical changes in flowering phenology are governed by temperature × precipitation interactions in a widespread perennial herb in western North America. <b>2016</b> , 210, 157-67	44
1331	Using bioacoustics to examine shifts in songbird phenology. <b>2016</b> , 6, 4697-710	38
1330	The Annual Phenological Cycle. <b>2016</b> , 35-138	6

1329	Earlier snowmelt and warming lead to earlier but not necessarily more plant growth. <b>2016</b> , 8,	42
1328	Do changes in spring phenology affect earlywood vessels? Perspective from the xylogenesis monitoring of two sympatric ring-porous oaks. <b>2016</b> , 209, 521-30	66
1327	Seasonal and annual variations in the pollination efficiency of a pollinator community of <i>Dictamnus albus</i> L. <b>2016</b> , 18, 445-54	7
1326	Comparing concentration-based (AOT40) and stomatal uptake (PODY) metrics for ozone risk assessment to European forests. <i>Global Change Biology</i> , <b>2016</b> , 22, 1608-27	11.4 64
1325	Greater impacts from an extreme cold spell on tropical than temperate butterflies in southern China. <b>2016</b> , 7, e01315	9
1324	Loss of seed dispersal before the loss of seed dispersers. <b>2016</b> , 201, 38-49	94
1323	Community-wide changes in intertaxonomic temporal co-occurrence resulting from phenological shifts. <i>Global Change Biology</i> , <b>2016</b> , 22, 1746-54	11.4 21
1322	Trends toward an earlier peak of the growing season in Northern Hemisphere mid-latitudes. <i>Global Change Biology</i> , <b>2016</b> , 22, 2852-60	11.4 52
1321	Long-term changes in the migration phenology of UK breeding birds detected by large-scale citizen science recording schemes. <b>2016</b> , 158, 481-495	49
1320	Plant phenological synchrony increases under rapid within-spring warming. <b>2016</b> , 6, 25460	21
1319	TIMESAT for Processing Time-Series Data from Satellite Sensors for Land Surface Monitoring. <b>2016</b> , 177-194	17
1318	IPM for Food and Environmental Security in the Tropics. <b>2016</b> , 1-31	
1317	Sublethal salinity stress contributes to habitat limitation in an endangered estuarine fish. <b>2016</b> , 9, 963-81	29
1316	Forecast model of allergenic hazard using trends of Poaceae airborne pollen over an urban area in SW Iberian Peninsula (Europe). <b>2016</b> , 84, 121-137	7
1315	Edge Effects on the Phenology of the Guamirim, <i>Myrcia Guianensis</i> (Myrtaceae), a Cerrado Tree, Brazil. <b>2016</b> , 9, 291-312	12
1314	Plant phenological observations in rural and industrial central Italy areas. <b>2016</b> , 188, 687	3
1313	Spring and autumn phenology of hybrid aspen ( <i>Populus tremula</i> L. [ <i>P. tremuloides</i> Michx.]) genotypes of different geographic origin in hemiboreal Estonia. <b>2016</b> , 46,	7
1312	A novel analysis of spring phenological patterns over Europe based on co-clustering. <b>2016</b> , 121, 1434-1448	21



1311	Greening trend in grassland of the Lhasa River Region on the Qinghai-Tibetan Plateau from 1982 to 2013. <b>2016</b> , 38, 591	5
1310	Root phenology in an Arctic shrub-graminoid community: the effects of long-term warming and herbivore exclusion. <b>2016</b> , 3,	13
1309	A collection of European sweet cherry phenology data for assessing climate change. <b>2016</b> , 3, 160108	10
1308	Changes in growing season duration and productivity of northern vegetation inferred from long-term remote sensing data. <b>2016</b> , 11, 084001	154
1307	The Impacts of Extreme Climatic Events on Wild Plant Populations. <b>2016</b> , 15-47	
1306	Disruption of the European climate seasonal clock in a warming world. <b>2016</b> , 6, 589-594	36
1305	Intra-annual variability of wood formation and $\delta^{13}C$ in tree-rings at Hyytielä Finland. <b>2016</b> , 224, 17-29	17
1304	Genetic and temporal plastic variation in bud burst, bud set and flower opening responses of local versus non-local provenances of <i>Prunus spinosa</i> in a provenance trial. <b>2016</b> , 17, 262-272	3
1303	The timing of life history events in the presence of soft disturbances. <b>2016</b> , 389, 287-303	2
1302	Plant size and leaf area influence phenological and reproductive responses to warming in semiarid Mediterranean species. <b>2016</b> , 21, 31-40	21
1301	Response of grapevine phenology to recent temperature change and variability in the wine-producing area of Sremski Karlovci, Serbia. <b>2016</b> , 154, 186-206	18
1300	Environmental drivers of cambial phenology in Great Basin bristlecone pine. <b>2016</b> , 36, 818-31	25
1299	Variation in responsiveness of woody plant leaf out phenology to anomalous spring onset. <b>2016</b> , 7, e01209	9
1298	Reconciling the discrepancy in ground- and satellite-observed trends in the spring phenology of winter wheat in China from 1993 to 2008. <b>2016</b> , 121, 1027-1042	33
1297	Evaluation of the phenological synchrony between potato crop and Colorado potato beetle under future climate in Europe. <b>2016</b> , 224, 39-49	13
1296	Species-specific phenological responses to long-term nitrogen fertilization in an alpine meadow. <b>2016</b> , rtw026	1
1295	Interannual variations in spring phenology and their response to climate change across the Tibetan Plateau from 1982 to 2013. <b>2016</b> , 60, 1563-1575	18
1294	Phenology Patterns Across a Rupestrian Grassland Altitudinal Gradient. <b>2016</b> , 275-289	11

1293	Continuous but diverse advancement of spring-summer phenology in response to climate warming across the Qinghai-Tibetan Plateau. <b>2016</b> , 223, 194-202	39
1292	Observations of climate change among subsistence-oriented communities around the world. <b>2016</b> , 6, 462-473	129
1291	Ecosystem impacts of climate extremes crucially depend on the timing. <b>2016</b> , 113, 5768-70	54
1290	Temperature sensitivity thresholds to warming and cooling in phenophases of alpine plants. <b>2016</b> , 139, 579-590	6
1289	Phenological response of peach to climate change exhibits a relatively dramatic trend in China, 1983-2012. <b>2016</b> , 209, 192-200	21
1288	Climate change is advancing spring onset across the U.S. national park system. <b>2016</b> , 7, e01465	43
1287	Physiological adjustments of a Mediterranean shrub to long-term experimental warming and drought treatments. <b>2016</b> , 252, 53-61	15
1286	Accumulated chilling hours during endodormancy impact blooming and fruit shape development in peach ( <i>Prunus persica</i> L.). <b>2016</b> , 15, 1267-1274	22
1285	Natural selection on plant physiological traits in an urban environment. <b>2016</b> , 77, 67-74	16
1284	Spatial variations in responses of vegetation autumn phenology to climate change on the Tibetan Plateau. <b>2016</b> , rtw084	25
1283	Shifts in vegetation phenology along flyways entail varying risks of mistiming in a migratory songbird. <b>2016</b> , 7, e01385	6
1282	Hybridization and extinction. <b>2016</b> , 9, 892-908	321
1281	Distinct germination response of endangered and common arable weeds to reduced water potential. <b>2016</b> , 18 Suppl 1, 83-90	8
1280	Three times greater weight of daytime than of night-time temperature on leaf unfolding phenology in temperate trees. <b>2016</b> , 212, 590-597	52
1279	Taking the heat: distinct vulnerability to thermal stress of central and threatened peripheral lineages of a marine macroalga. <b>2016</b> , 22, 1060-1068	33
1278	Mediterranean island biodiversity and climate change: the last 10,000 years and the future. <b>2016</b> , 25, 2597-2627	36
1277	Explaining inter-annual variability of gross primary productivity from plant phenology and physiology. <b>2016</b> , 226-227, 246-256	49
1276	Elevational response in leaf and xylem phenology reveals different prolongation of growing period of common beech and Norway spruce under warming conditions in the Bavarian Alps. <b>2016</b> , 135, 1011-1023	31

1275	High daytime temperature delays autumnal bud formation in <i>Populus tremula</i> under field conditions. <b>2017</b> , 37, 71-81	7
1274	Convergence in leaf phenology traits of two understorey ferns in the northwestern Iberian Peninsula. <b>2016</b> , rtw125	
1273	The broad footprint of climate change from genes to biomes to people. <b>2016</b> , 354,	573
1272	Forest ecosystems of temperate climatic regions: from ancient use to climate change. <b>2016</b> , 212, 871-887	55
1271	Spatiotemporal dynamics of the climatic impacts on greenup date in the Tibetan Plateau. <b>2016</b> , 75, 1	2
1270	The Role of Botanical Gardens in the Conservation of Cactaceae. <b>2016</b> , 66, 1057-1065	16
1269	Pan-Eurasian Experiment (PEEX): towards a holistic understanding of the feedbacks and interactions in the land-atmosphere-ocean-society continuum in the northern Eurasian region. <b>2016</b> , 16, 14421-14461	43
1268	Flowering Phenology of Selected Linden ( <i>Tilia</i> L.) Taxa in Relation to Pollen Seasons. <b>2016</b> , 60, 193-208	1
1267	High Arctic plant phenology is determined by snowmelt patterns but duration of phenological periods is fixed: an example of periodicity. <b>2016</b> , 11, 125006	43
1266	Predictions of future grazing season length for European dairy, beef and sheep farms based on regression with bioclimatic variables. <b>2016</b> , 154, 765-781	13
1265	Combined impact of climate change, cultivar shift, and sowing date on spring wheat phenology in Northern China. <b>2016</b> , 30, 820-831	14
1264	Forest understory plant and soil microbial response to an experimentally induced drought and heat-pulse event: the importance of maintaining the continuum. <i>Global Change Biology</i> , <b>2016</b> , 22, 2861-74	11.4 43
1263	Pattern of xylem phenology in conifers of cold ecosystems at the Northern Hemisphere. <i>Global Change Biology</i> , <b>2016</b> , 22, 3804-3813	11.4 108
1262	Phenological asynchrony in plant-butterfly interactions associated with climate: a community-wide perspective. <b>2016</b> , 125, 1434-1444	27
1261	The diverse effects of habitat fragmentation on plant-pollinator interactions. <b>2016</b> , 217, 857-868	31
1260	Flowering phenological changes in relation to climate change in Hungary. <b>2016</b> , 60, 1347-56	29
1259	Seventeen-year trends in spring and autumn phenophases of <i>Betula pubescens</i> in a boreal environment. <b>2016</b> , 60, 1227-36	9
1258	Response of deciduous trees spring phenology to recent and projected climate change in Central Lithuania. <b>2016</b> , 60, 1589-1602	10

1257	Does the geography of cork oak origin influence budburst and leaf pest damage?. <b>2016</b> , 373, 33-43		16
1256	Aerobiological and phenological study of the main Poaceae species in Córdoba City (Spain) and the surrounding hills. <b>2016</b> , 32, 595-606		18
1255	Driving force and changing trends of vegetation phenology in the Loess Plateau of China from 2000 to 2010. <b>2016</b> , 13, 844-856		18
1254	A systematic review of vegetation phenology in Africa. <b>2016</b> , 34, 117-128		42
1253	The phenology of winter rye in Poland: an analysis of long-term experimental data. <b>2016</b> , 60, 1341-6		15
1252	Evaluating changes in season length, onset, and end dates across the United States (1948-2012). <b>2016</b> , 36, 1268-1277		23
1251	Constrained growth flips the direction of optimal phenological responses among annual plants. <b>2016</b> , 209, 1591-9		7
1250	Human-induced greening of the northern extratropical land surface. <b>2016</b> , 6, 959-963		109
1249	Responses of wheat and rice to factorial combinations of ambient and elevated CO <sub>2</sub> and temperature in FACE experiments. <i>Global Change Biology</i> , <b>2016</b> , 22, 856-74	11.4	125
1248	Delayed autumn phenology in the Northern Hemisphere is related to change in both climate and spring phenology. <i>Global Change Biology</i> , <b>2016</b> , 22, 3702-3711	11.4	199
1247	Temperate and boreal forest tree phenology: from organ-scale processes to terrestrial ecosystem models. <b>2016</b> , 73, 5-25		132
1246	Responses of Mediterranean Forest Phytophagous Insects to Climate Change. <b>2016</b> , 801-858		3
1245	Quercus long-term pollen season trends in the southwest of the Iberian Peninsula. <b>2016</b> , 101, 152-159		11
1244	Leaf phenological shifts and plant-microbe-soil interactions can determine forest productivity and nutrient cycling under climate change in an ecosystem model. <b>2016</b> , 31, 263-274		8
1243	Dynamics and responses of vegetation to climatic variations in Ziya-Daqing basins, China. <b>2016</b> , 26, 478-494		14
1242	Key impacts of climate engineering on biodiversity and ecosystems, with priorities for future research. <b>2016</b> , 1-26		8
1241	Inter-individual variation promotes ecological success of populations and species: evidence from experimental and comparative studies. <b>2016</b> , 39, 630-648		88
1240	Future of winegrape growing regions in Europe. <b>2016</b> , 22, 64-72		34

1239	The influence of the soil on spring and autumn phenology in European beech. <b>2016</b> , 36, 78-85	19
1238	Impact of land cover changes and climate on the main airborne pollen types in Southern Spain. <b>2016</b> , 548-549, 221-228	47
1237	Using ecoacoustic methods to survey the impacts of climate change on biodiversity. <b>2016</b> , 195, 245-254	117
1236	Regional forecast model for the Olea pollen season in Extremadura (SW Spain). <b>2016</b> , 60, 1509-1517	20
1235	Can we detect a nonlinear response to temperature in European plant phenology?. <b>2016</b> , 60, 1551-1561	40
1234	Root phenology in a changing climate. <b>2016</b> , 67, 3617-28	65
1233	The Effects of Rising Temperature on the Ecophysiology of Tropical Forest Trees. <b>2016</b> , 385-412	22
1232	Linking plant phenology to conservation biology. <b>2016</b> , 195, 60-72	157
1231	Forests synchronize their growth in contrasting Eurasian regions in response to climate warming. <b>2016</b> , 113, 662-7	99
1230	Functional leaf and size traits determine the photosynthetic response of 10 dryland species to warming. <b>2016</b> , 9, 773-783	16
1229	Land Use and Environmental Variability Impacts on the Phenology of Arid Agro-Ecosystems. <b>2016</b> , 57, 283-97	8
1228	An observation-based progression modeling approach to spring and autumn deciduous tree phenology. <b>2016</b> , 60, 335-49	29
1227	Local extinction risk of three species of lizard from Patagonia as a result of global warming. <b>2016</b> , 94, 49-59	38
1226	A comprehensive review of the phenology of Pygoscelis penguins. <b>2016</b> , 39, 405-432	25
1225	Seasonally varied controls of climate and phenophase on terrestrial carbon dynamics: modeling eco-climate system state using Dynamical Process Networks. <b>2016</b> , 31, 165-180	14
1224	Perceived changes in climatic variables and impacts on the transhumance system in the Himalayas. <b>2016</b> , 8, 435-446	19
1223	Future climate change impacts on apple flowering date in a Mediterranean subbasin. <b>2016</b> , 164, 19-27	34
1222	Linking local impacts to changes in climate: a guide to attribution. <b>2016</b> , 16, 527-541	19

1221	The thermal seasons variability in Poland, 1951-2010. <b>2017</b> , 127, 481-493		21
1220	Periodicity of different phenophases in selected trees from Himalayan Terai of India. <b>2017</b> , 91, 363-374		5
1219	Phenological shifts in hoverflies (Diptera: Syrphidae): linking measurement and mechanism. <b>2017</b> , 40, 853-863		15
1218	A new method for generating the thermal growing degree-days and season in China during the last century. <b>2017</b> , 37, 1131-1140		7
1217	Variability of growing degree days in Poland in response to ongoing climate changes in Europe. <b>2017</b> , 61, 49-59		37
1216	Bud break responds more strongly to daytime than night-time temperature under asymmetric experimental warming. <i>Global Change Biology</i> , <b>2017</b> , 23, 446-454	11.4	47
1215	The Phenology and Spatial Distribution of Cavity-Nesting Hymenoptera and Their Parasitoids in a California Oak-Chaparral Landscape Mosaic. <b>2017</b> , 177, 84-99		
1214	Agreement in the IPCC Confidence measure. <b>2017</b> , 57, 126-134		
1213	Reduced snow cover affects productivity of upland temperate grasslands. <b>2017</b> , 232, 514-526		36
1212	Prediction of Arctic plant phenological sensitivity to climate change from historical records. <b>2017</b> , 7, 1325-1338		21
1211	Change of plant phenophases explained by survival modeling. <b>2017</b> , 61, 881-889		4
1210	Delayed chilling appears to counteract flowering advances of apricot in southern UK. <b>2017</b> , 237-238, 209-218		23
1209	Positive adaptation of <i>Salix eriostachya</i> to warming in the treeline ecotone, East Tibetan Plateau. <b>2017</b> , 14, 346-355		1
1208	Transitions in high-Arctic vegetation growth patterns and ecosystem productivity tracked with automated cameras from 2000 to 2013. <b>2017</b> , 46, 39-52		38
1207	Changes in vegetation phenology are not reflected in atmospheric CO and C/C seasonality. <i>Global Change Biology</i> , <b>2017</b> , 23, 4029-4044	11.4	14
1206	Dominant role of plant physiology in trend and variability of gross primary productivity in North America. <b>2017</b> , 7, 41366		28
1205	Flowering in the Rich Fen Species <i>Eriophorum latifolium</i> Depends on Climate and Reproduction in the Previous Year. <b>2017</b> , 37, 1-13		14
1204	Variation in laying date in relation to spring temperature in three species of tits (Paridae) and pied flycatchers <i>Ficedula hypoleuca</i> in southernmost Sweden. <b>2017</b> , 48, 83-90		13

1203	Spring predictability explains different leaf-out strategies in the woody florals of North America, Europe and East Asia. <b>2017</b> , 20, 452-460		39
1202	Climate change and flowering phenology in Franklin County, Massachusetts. <b>2017</b> , 144, 153-169		3
1201	Divergent shifts and responses of plant autumn phenology to climate change on the Qinghai-Tibetan Plateau. <b>2017</b> , 239, 166-175		25
1200	CrowdCurio: an online crowdsourcing platform to facilitate climate change studies using herbarium specimens. <b>2017</b> , 215, 479-488		45
1199	Phenological response of different vegetation types to temperature and precipitation variations in northern China during 1982-2012. <b>2017</b> , 38, 3236-3252		31
1198	Spring bud growth depends on sugar delivery by xylem and water recirculation by phloem M̄ich flow in <i>Juglans regia</i> . <b>2017</b> , 246, 495-508		26
1197	Projecting the impact of climate change on phenology of winter wheat in northern Lithuania. <b>2017</b> , 61, 1765-1775		9
1196	Detecting spatiotemporal changes of peak foliage coloration in deciduous and mixed forests across the Central and Eastern United States. <b>2017</b> , 12, 024013		15
1195	Future productivity and phenology changes in European grasslands for different warming levels: implications for grassland management and carbon balance. <b>2017</b> , 12, 11		34
1194	Phenological responses of Icelandic subarctic grasslands to short-term and long-term natural soil warming. <i>Global Change Biology</i> , <b>2017</b> , 23, 4932-4945	11.4	26
1193	Altitude-dependent influence of snow cover on alpine land surface phenology. <b>2017</b> , 122, 1107-1122		29
1192	Asymmetric effects of cooler and warmer winters on beech phenology last beyond spring. <i>Global Change Biology</i> , <b>2017</b> , 23, 4569-4580	11.4	25
1191	Intercomparison and evaluation of spring phenology products using National Phenology Network and AmeriFlux observations in the contiguous United States. <b>2017</b> , 242, 33-46		35
1190	Old Plants, New Tricks: Phenological Research Using Herbarium Specimens. <b>2017</b> , 32, 531-546		151
1189	High-elevation plants have reduced plasticity in flowering time in response to warming compared to low-elevation congeners. <b>2017</b> , 21, 1-12		14
1188	Climate controls over the net carbon uptake period and amplitude of net ecosystem production in temperate and boreal ecosystems. <b>2017</b> , 243, 9-18		43
1187	Spatial patterns and broad-scale weather cues of beech mast seeding in Europe. <b>2017</b> , 215, 595-608		68
1186	The rise of phenology with climate change: an evaluation of IJB publications. <b>2017</b> , 61, 29-50		22

1185	Phenological diversity provides opportunities for climate change adaptation in winegrapes. <b>2017</b> , 105, 905-912	17
1184	Diversity of spiders and orthopterans respond to intra-seasonal and spatial environmental changes. <b>2017</b> , 21, 531-543	11
1183	Changes in temperature sensitivity of spring phenology with recent climate warming in Switzerland are related to shifts of the pre-season. <i>Global Change Biology</i> , <b>2017</b> , 23, 5189-5202	11.4 53
1182	Statistical analysis of trends in sweet cherry flowering data across Europe. <b>2017</b> , 215-220	3
1181	Asymmetric winter warming advanced plant phenology to a greater extent than symmetric warming in an alpine meadow. <b>2017</b> , 31, 2147-2156	32
1180	Poaceae pollen as the leading aeroallergen worldwide: A review. <b>2017</b> , 72, 1849-1858	69
1179	Spatiotemporal patterns of vegetation phenology change and relationships with climate in the two transects of East China. <b>2017</b> , 10, 206-219	26
1178	Interspecific and interannual variation in the duration of spring phenophases in a northern mixed forest. <b>2017</b> , 243, 55-67	20
1177	Integrating interactive effects of chilling and photoperiod in phenological process-based models. A case study with two European tree species: <i>Fagus sylvatica</i> and <i>Quercus petraea</i> . <b>2017</b> , 244-245, 9-20	22
1176	Growth variability and contrasting climatic responses of two <i>Quercus macrolepis</i> stands from Southern Albania. <b>2017</b> , 31, 1491-1504	3
1175	Monitoring succession after a non-cleared windthrow in a Norway spruce mountain forest using webcam, satellite vegetation indices and turbulent CO <sub>2</sub> exchange. <b>2017</b> , 244-245, 72-81	10
1174	Phenological evidence from China to address rapid shifts in global flowering times with recent climate change. <b>2017</b> , 246, 22-30	15
1173	Using ground observations of a digital camera in the VIS-NIR range for quantifying the phenology of Mediterranean woody species. <b>2017</b> , 62, 88-101	10
1172	Real-time and short-term predictions of spring phenology in North America from VIIRS data. <b>2017</b> , 194, 89-99	20
1171	Phenological patterns of flowering across biogeographical regions of Europe. <b>2017</b> , 61, 1347-1358	19
1170	Monitoring land surface albedo and vegetation dynamics using high spatial and temporal resolution synthetic time series from Landsat and the MODIS BRDF/NBAR/albedo product. <b>2017</b> , 59, 104-117	42
1169	Twentieth-Century Trends in the Annual Cycle of Temperature across the Northern Hemisphere. <b>2017</b> , 30, 5755-5773	13
1168	Forage plants of an Arctic-nesting herbivore show larger warming response in breeding than wintering grounds, potentially disrupting migration phenology. <b>2017</b> , 7, 2652-2660	20



1167	A Bayesian hierarchical model for estimating spatial and temporal variation in vegetation phenology from Landsat time series. <b>2017</b> , 194, 155-160	34
1166	The climate to growth relationships of pedunculate oak in steppe. <b>2017</b> , 44, 31-38	13
1165	Large-scale atmospheric circulation enhances the Mediterranean East-West tree growth contrast at rear-edge deciduous forests. <b>2017</b> , 239, 86-95	19
1164	Phenological growth stages of bael ( <i>Aegle marmelos</i> ) according to the extended Biologische Bundesantalt, Bundessortenamt und Chemische Industrie scale. <b>2017</b> , 170, 425-433	7
1163	Long-term effect of temperature on honey yield and honeybee phenology. <b>2017</b> , 61, 1125-1132	15
1162	Responses of spring phenology in a fruit tree species ( <i>Pyrus sp. cv. Pingguoli</i> ) to the changes in surface air temperature in Northeast China. <b>2017</b> , 37, 2757-2764	
1161	Some operational advice for reducing hydraulic risk and for protecting biodiversity and the landscape in riparian areas (river corridor). <b>2017</b> , 17, 4-17	5
1160	Continental-scale patterns and climatic drivers of fruiting phenology: A quantitative Neotropical review. <b>2017</b> , 148, 227-241	65
1159	Pollen-climate relationships in time (9 ka, 6 ka, 0 ka) and space (upland vs. lowland) in eastern continental Asia. <b>2017</b> , 156, 1-11	15
1158	Spring warming increases the abundance of an invasive specialist insect: links to phenology and life history. <b>2017</b> , 7, 14805	14
1157	Energy in buildings Policy, materials and solutions. <b>2017</b> , 4, 1	11
1156	Heat wave hinders green wave: The impact of climate extreme on the phenology of a mountain grassland. <b>2017</b> , 247, 320-330	40
1155	High mountain communities and climate change: adaptation, traditional ecological knowledge, and institutions. <b>2017</b> , 145, 41-55	31
1154	Understanding Evolutionary Impacts of Seasonality: An Introduction to the Symposium. <b>2017</b> , 57, 921-933	45
1153	Innately shorter vegetation periods in North American species explain native-non-native phenological asymmetries. <b>2017</b> , 1, 1655-1660	24
1152	The roles of geographic distance and socioeconomic factors on international collaboration among ecologists. <b>2017</b> , 113, 1539-1550	25
1151	Increasing spring temperatures favor oak seed production in temperate areas. <b>2017</b> , 7, 8555	44
1150	Seasonal dynamics of the ectomycorrhizal fungus <i>Lactarius vinosus</i> are altered by changes in soil moisture and temperature. <b>2017</b> , 115, 253-260	18

- 1149 Climate warming: a loss of variation in populations can accompany reproductive shifts. **2017**, 20, 1140-1147 2
- 1148 Phylogenetic conservatism and trait correlates of spring phenological responses to climate change in northeast China. **2017**, 7, 6747-6757 17
- 1147 Frost hardening and dehardening potential in temperate trees from winter to budburst. **2017**, 216, 113-123 43
- 1146 Climate change impacts on crop yields, land use and environment in response to crop sowing dates and thermal time requirements. **2017**, 157, 81-92 31
- 1145 Projected hydrological changes in the North Carolina piedmont using bias-corrected North American Regional Climate Change Assessment Program (NARCCAP) data. **2017**, 12, 273-288 2
- 1144 Quantification the impacts of climate change and crop management on phenology of maize-based cropping system in Punjab, Pakistan. **2017**, 247, 42-55 70
- 1143 Are winter and summer dormancy symmetrical seasonal adaptive strategies? The case of temperate herbaceous perennials. **2017**, 119, 311-323 32
- 1142 The power of the transplant: direct assessment of climate change impacts. **2017**, 144, 237-255 22
- 1141 Differential effects of temperature and precipitation on early- vs. late-flowering species. **2017**, 8, e01819 34
- 1140 Impacts of projected precipitation changes on sugar beet yield in eastern England. **2017**, 24, 52-61 6
- 1139 Long-term analysis of the asynchronicity between temperature and precipitation maxima in the United States Great Plains. **2017**, 37, 3919-3933 10
- 1138 Advancement of spring arrival in a long-term study of a passerine bird: sex, age and environmental effects. **2017**, 184, 917-929 15
- 1137 Flowering cover crops in winter increase pest control but not trophic link diversity. **2017**, 247, 418-425 25
- 1136 No Consistent Evidence for Advancing or Delaying Trends in Spring Phenology on the Tibetan Plateau. **2017**, 122, 3288-3305 28
- 1135 Ecophysiology and Plasticity of Wood and Phloem Formation. **2017**, 13-33 15
- 1134 The Effect of a Latitudinal Temperature Gradient on Germination Patterns. **2017**, 178, 673-679 9
- 1133 A statistical estimator for determining the limits of contemporary and historic phenology. **2017**, 1, 1876-1882 55
- 1132 Sustainability of Jaborandi in the eastern Brazilian Amazon. **2017**, 15, 161-171 5

1131	Effects of the urban heat island on the phenology of Odonata in London, UK. <b>2017</b> , 61, 1337-1346		15
1130	Disentangling remotely-sensed plant phenology and snow seasonality at northern Europe using MODIS and the plant phenology index. <b>2017</b> , 198, 203-212		32
1129	A macroecological perspective for phenological research under climate change. <b>2017</b> , 32, 633-641		4
1128	Intra-annual leaf phenology, radial growth and structure of xylem and phloem in different tree parts of <i>Quercus pubescens</i> . <b>2017</b> , 136, 625-637		20
1127	Differentiating the effects of climate and land use change on European biodiversity: A scenario analysis. <b>2017</b> , 46, 277-290		9
1126	Digital Images for Plant Phenology Documentation. <b>2017</b> , 40, 135-139		1
1125	Will phenotypic plasticity affecting flowering phenology keep pace with climate change?. <i>Global Change Biology</i> , <b>2017</b> , 23, 2499-2508	11.4	34
1124	Variation in the date of budburst in <i>Quercus robur</i> and <i>Q. petraea</i> across a range of provenances grown in Southern England. <b>2017</b> , 136, 1-12		13
1123	Climate and management interaction cause diverse crop phenology trends. <b>2017</b> , 233, 55-70		40
1122	Spatial and temporal variability of the frost-free season in Central Europe and its circulation background. <b>2017</b> , 37, 3340-3352		31
1121	Impacts of global warming on phenology of spring leaf unfolding remain stable in the long run. <b>2017</b> , 61, 287-292		21
1120	How are the phenologies of ripening and seed release affected by species' ecology and evolution?. <b>2017</b> , 126, 738-747		13
1119	Uncertainty in canola phenology modelling induced by cultivar parameterization and its impact on simulated yield. <b>2017</b> , 232, 163-175		25
1118	Cause and Consequence in Maize Planting Dates in Germany. <b>2017</b> , 203, 227-240		15
1117	Phenological research of climate changes in the north part of Lithuania by the phenological garden of Šiauliai University. <b>2017</b> , 61, 293-301		1
1116	Impacts of climate change on national biodiversity population trends. <b>2017</b> , 40, 1139-1151		42
1115	Recent climate hiatus revealed dual control by temperature and drought on the stem growth of Mediterranean <i>Quercus ilex</i> . <i>Global Change Biology</i> , <b>2017</b> , 23, 42-55	11.4	22
1114	Increased exposure to chilling advances the time to budburst in North American tree species. <b>2017</b> , 37, 1727-1738		20

1113	Changes in bird communities of Admiralty Bay, King George Island (West Antarctic): insights from monitoring data (1977–1996). <b>2017</b> , 38, 231-262	17
1112	Incubation behavior adjustments, driven by ambient temperature variation, improve synchrony between hatch dates and caterpillar peak in a wild bird population. <b>2017</b> , 7, 9415-9425	15
1111	Climate Change and Consequences for Potato Production: a Review of Tolerance to Emerging Abiotic Stress. <b>2017</b> , 60, 239-268	28
1110	The Pulse of the Planet: Measuring and Interpreting Phenology of Avian Migration. <b>2017</b> , 401-425	2
1109	Contrasting Hydraulic Architectures of Scots Pine and Sessile Oak at Their Southernmost Distribution Limits. <b>2017</b> , 8, 598	9
1108	Quantification of Climate Warming and Crop Management Impacts on Cotton Phenology. <b>2017</b> , 6,	38
1107	Exploring Relationships among Tree-Ring Growth, Climate Variability, and Seasonal Leaf Activity on Varying Timescales and Spatial Resolutions. <b>2017</b> , 9, 526	22
1106	Satellite Observations of El Niño Impacts on Eurasian Spring Vegetation Greenness during the Period 1982–2015. <b>2017</b> , 9, 628	16
1105	The Potential of Earth Observation for the Analysis of Cold Region Land Surface Dynamics in Europe: A Review. <b>2017</b> , 9, 1067	7
1104	Analyzing the Long-Term Phenological Trends of Salt Marsh Ecosystem across Coastal LOUISIANA. <b>2017</b> , 9, 1340	13
1103	Impact of Climate Variability on Flowering Phenology and Its Implications for the Schedule of Blossom Festivals. <b>2017</b> , 9, 1127	14
1102	Responses of Contrasting Tree Functional Types to Air Warming and Drought. <b>2017</b> , 8, 450	11
1101	Evaluation of the Processing Times in Anuran Sound Classification. <b>2017</b> , 2017, 1-15	4
1100	Phenocams Bridge the Gap between Field and Satellite Observations in an Arid Grassland Ecosystem. <b>2017</b> , 9, 1071	43
1099	Interactions between temperature and drought in global and regional crop yield variability during 1961-2014. <b>2017</b> , 12, e0178339	99
1098	Changes in vegetation phenology on the Mongolian Plateau and their climatic determinants. <b>2017</b> , 12, e0190313	23
1097	Sweet cherry phenology in the context of climate change: a systems biology approach. <b>2017</b> , 31-38	3
1096	Associations between sex, age and species-specific climate sensitivity in migration. <b>2017</b> , 4,	5

1095	Phenological Shifts in Animals Under Contemporary Climate Change ?. <b>2017</b> ,	0
1094	Allogenic succession of Korean fir ( <i>Abies koreana</i> Wils.) forests in different climate condition. <b>2018</b> , 33, 327-340	5
1093	Breeding system and pollination of <i>Gesneria pauciflora</i> (Gesneriaceae), a threatened Caribbean species. <b>2018</b> , 242, 8-15	3
1092	Warmer winters reduce the advance of tree spring phenology induced by warmer springs in the Alps. <b>2018</b> , 252, 220-230	55
1091	Differences among six woody perennials native to Northern Europe in their level of genetic differentiation and adaptive potential at fine local scale. <b>2018</b> , 8, 2231-2239	7
1090	Trends in airborne pollen and pollen-season-related features of anemophilous species in Jaen (south Spain): A 23-year perspective. <b>2018</b> , 180, 234-243	26
1089	Projected changes of thermal growing season over Northern Eurasia in a 1.5 °C and 2 °C warming world. <b>2018</b> , 13, 035004	12
1088	Digitizing the plant phenological dataset (1750–1875) from collections of Professor Adolf Moberg: Towards the development of historical climate records. <b>2018</b> , 253-254, 141-150	1
1087	Spatial and temporal variability of biological indicators of soil quality in two forest catchments in Belgium. <b>2018</b> , 126, 148-159	5
1086	Global shifts in the phenological synchrony of species interactions over recent decades. <b>2018</b> , 115, 5211-5216	176
1085	Machine learning modeling of plant phenology based on coupling satellite and gridded meteorological dataset. <b>2018</b> , 62, 1297-1309	28
1084	Experimental evaluation of the robustness of the growth–stress tolerance trade-off within the perennial grass <i>Dactylis glomerata</i> . <b>2018</b> , 32, 1944-1958	12
1083	Phenological responses to multiple environmental drivers under climate change: insights from a long-term observational study and a manipulative field experiment. <b>2018</b> , 218, 517-529	50
1082	Biomass energy utilization and soil carbon sequestration in rural China: A case study based on circular agriculture. <b>2018</b> , 10, 013107	2
1081	Pan European Phenological database (PEP725): a single point of access for European data. <b>2018</b> , 62, 1109-1113	82
1080	A comparison of ground-based methods for estimating canopy closure for use in phenology research. <b>2018</b> , 252, 18-26	6
1079	Nonlinear responses of temperature sensitivities of community phenophases to warming and cooling events are mirroring plant functional diversity. <b>2018</b> , 253-254, 31-37	6
1078	The leaf phenophase of deciduous species altered by land pavements. <b>2018</b> , 62, 949-959	4

1077	Early-spring soil warming partially offsets the enhancement of alpine grassland aboveground productivity induced by warmer growing seasons on the Qinghai-Tibetan Plateau. <b>2018</b> , 425, 177-188	21
1076	A global synthesis of animal phenological responses to climate change. <b>2018</b> , 8, 224-228	181
1075	Traits and climate are associated with first flowering day in herbaceous species along elevational gradients. <b>2018</b> , 8, 1147-1158	18
1074	Trends and Variability in Temperature Sensitivity of Lilac Flowering Phenology. <b>2018</b> , 123, 807-817	10
1073	Extension of the growing season increases vegetation exposure to frost. <b>2018</b> , 9, 426	106
1072	Soil temperature effects on the structure and diversity of plant and invertebrate communities in a natural warming experiment. <b>2018</b> , 87, 634-646	26
1071	Strong evidence for changing fish reproductive phenology under climate warming on the Tibetan Plateau. <i>Global Change Biology</i> , <b>2018</b> , 24, 2093-2104	11.4 28
1070	Seasonal and elevational contrasts in temperature trends in Central Chile between 1979 and 2015. <b>2018</b> , 162, 136-147	44
1069	Uncertainty in wheat phenology simulation induced by cultivar parameterization under climate warming. <b>2018</b> , 94, 46-53	23
1068	Changing risk of spring frost damage in grapevines due to climate change? A case study in the Swiss Rhone Valley. <b>2018</b> , 62, 991-1002	27
1067	Relative Influence of Timing and Accumulation of Snow on Alpine Land Surface Phenology. <b>2018</b> , 123, 561-576	10
1066	Herbarium specimens show patterns of fruiting phenology in native and invasive plant species across New England. <b>2018</b> , 105, 31-41	19
1065	Phenological Sensitivity of Early and Late Flowering Species Under Seasonal Warming and Altered Precipitation in a Seminatural Temperate Grassland Ecosystem. <b>2018</b> , 21, 1306-1320	10
1064	Observed and Simulated Sensitivities of Spring Greenup to Preseason Climate in Northern Temperate and Boreal Regions. <b>2018</b> , 123, 60-78	14
1063	Environmental effects on fine-scale spatial genetic structure in four Alpine keystone forest tree species. <b>2018</b> , 27, 647-658	8
1062	Networked web-cameras monitor congruent seasonal development of birches with phenological field observations. <b>2018</b> , 249, 335-347	15
1061	Characterising the land surface phenology of Africa using 500 m MODIS EVI. <b>2018</b> , 90, 187-199	28
1060	Advances in flowering phenology across the Northern Hemisphere are explained by functional traits. <b>2018</b> , 27, 310-321	37

1059	Competition for water in a xeric forest ecosystem [Effects of understory removal on soil micro-climate, growth and physiology of dominant Scots pine trees. <b>2018</b> , 409, 241-249		25
1058	Global warming leads to more uniform spring phenology across elevations. <b>2018</b> , 115, 1004-1008		140
1057	The timing of flowering in Douglas-fir is determined by cool-season temperatures and genetic variation. <b>2018</b> , 409, 729-739		3
1056	Different temperature perception in high-elevation plants: new insight into phenological development and implications for climate change in the alpine tundra. <b>2018</b> , 127, 1014-1023		9
1055	Assessing and quantifying changes in precipitation patterns using event-driven analysis. <b>2018</b> , 15, 1-15		4
1054	Long-term increases in tropical flowering activity across growth forms in response to rising CO and climate change. <i>Global Change Biology</i> , <b>2018</b> , 24, 2105-2116	11.4	10
1053	Greening up the mountain. <b>2018</b> , 115, 833-835		15
1052	Maternal temperature during seed maturation affects seed germination and timing of bud set in seedlings of European black poplar. <b>2018</b> , 410, 126-135		20
1051	A roadmap to disentangling ecogeographical patterns of spatial synchrony in dendrosciences. <b>2018</b> , 32, 359-370		16
1050	How Do Marine Pelagic Species Respond to Climate Change? Theories and Observations. <b>2018</b> , 10, 169-197		56
1049	Abundance of adverse environmental conditions during critical stages of crop production in Northern Germany. <b>2018</b> , 30, 10		4
1048	Modelling feedbacks between geomorphological and riparian vegetation responses under climate change in a Mediterranean context. <b>2018</b> , 43, 1825-1835		18
1047	Divergent phenological and leaf gas exchange strategies of two competing tree species drive contrasting responses to drought at their altitudinal boundary. <b>2018</b> , 38, 1152-1165		7
1046	Productivity of an Australian mountain grassland is limited by temperature and dryness despite long growing seasons. <b>2018</b> , 256-257, 116-124		12
1045	Climate change: potential implications for Ireland's biodiversity. <b>2018</b> , 62, 1221-1228		2
1044	Dynamics of diameter and height increment of Norway spruce and Scots pine in southern Finland. <b>2018</b> , 75, 1		12
1043	Increased growth rate (1982-2013) in global grasslands biomes. <b>2018</b> , 9, 550-558		
1042	Would Rainfed Agriculture Be the Right Option Under Climate Change Scenarios? A Case Study from Centro Region of Portugal. <b>2018</b> , 391-418		0

1041	Climate change effect on wheat phenology depends on cultivar change. <b>2018</b> , 8, 4891		59
1040	Periodic events of <i>Potamogeton alpinus</i> in NW Poland (Pomerania region). <b>2018</b> , 47, 41-49		
1039	Blue light advances bud burst in branches of three deciduous tree species under short-day conditions. <b>2018</b> , 32, 1157-1164		22
1038	Scaling up spring phenology derived from remote sensing images. <b>2018</b> , 256-257, 207-219		16
1037	Snow cover phenology affects alpine vegetation growth dynamics on the Tibetan Plateau: Satellite observed evidence, impacts of different biomes, and climate drivers. <b>2018</b> , 256-257, 61-74		52
1036	Response of phenological events to climate warming in the southern and south-eastern regions of Romania. <b>2018</b> , 32, 1113-1129		6
1035	Analysis of rainfall and temperature time series to detect long-term climatic trends and variability over semi-arid Botswana. <b>2018</b> , 127, 1		25
1034	Alpine glacial relict species losing out to climate change: The case of the fragmented mountain hare population ( <i>Lepus timidus</i> ) in the Alps. <i>Global Change Biology</i> , <b>2018</b> , 24, 3236-3253	11.4	26
1033	A suite of essential biodiversity variables for detecting critical biodiversity change. <b>2018</b> , 93, 55-71		46
1032	Desynchronizations in bee-plant interactions cause severe fitness losses in solitary bees. <b>2018</b> , 87, 139-149		49
1031	Phenological behaviour of early spring flowering trees in Spain in response to recent climate changes. <b>2018</b> , 132, 263-273		7
1030	Intraspecific floral morphotypes in six high altitude perennial herbaceous species from northwest Himalaya: their chromosome counts, meiotic behavior and pollen fertility. <b>2018</b> , 61, 35-43		1
1029	Seed germination of bromeliad species from the campo rupestre : thermal time requirements and response under predicted climate-change scenarios. <b>2018</b> , 238, 119-128		17
1028	Berry production drives bottom-up effects on body mass and reproductive success in an omnivore. <b>2018</b> , 127, 197-207		60
1027	The role of plant phenology in stomatal ozone flux modeling. <i>Global Change Biology</i> , <b>2018</b> , 24, 235-248	11.4	17
1026	Simulating the onset of spring vegetation growth across the Northern Hemisphere. <i>Global Change Biology</i> , <b>2018</b> , 24, 1342-1356	11.4	25
1025	Positive sportBiosphere interactions? Cross-country skiing delays spring phenology of meadow vegetation. <b>2018</b> , 27, 30-40		3
1024	Fine-scale perspectives on landscape phenology from unmanned aerial vehicle (UAV) photography. <b>2018</b> , 248, 397-407		70



1023	Increased water-use efficiency translates into contrasting growth patterns of Scots pine and sessile oak at their southern distribution limits. <i>Global Change Biology</i> , <b>2018</b> , 24, 1012-1028	11.4	30
1022	Poor plant performance under simulated climate change is linked to mycorrhizal responses in a semiarid shrubland. <b>2018</b> , 106, 960-976		33
1021	Phenology and carbon fixing: a satellite-based study over Continental USA. <b>2018</b> , 39, 1-16		35
1020	A comparative analysis of the spatio-temporal variation in the phenologies of two herbaceous species and associated climatic driving factors on the Tibetan Plateau. <b>2018</b> , 248, 177-184		20
1019	Spatio-temporal flowering patterns in Mediterranean Poaceae. A community study in SW Spain. <b>2018</b> , 62, 513-523		4
1018	Temporal photoperiod sensitivity and forcing requirements for budburst in temperate tree seedlings. <b>2018</b> , 248, 82-90		17
1017	Winter warming effects on tundra shrub performance are species-specific and dependent on spring conditions. <b>2018</b> , 106, 599-612		18
1016	Larger temperature response of autumn leaf senescence than spring leaf-out phenology. <i>Global Change Biology</i> , <b>2018</b> , 24, 2159-2168	11.4	62
1015	Peak season plant activity shift towards spring is reflected by increasing carbon uptake by extratropical ecosystems. <i>Global Change Biology</i> , <b>2018</b> , 24, 2117-2128	11.4	47
1014	New insights on plant phenological response to temperature revealed from long-term widespread observations in China. <i>Global Change Biology</i> , <b>2018</b> , 24, 2066-2078	11.4	15
1013	Digital footprints: Incorporating crowdsourced geographic information for protected area management. <b>2018</b> , 90, 44-54		46
1012	The dioecious <i>Populus tremula</i> displays interactive effects of temperature and ultraviolet-B along a natural gradient. <b>2018</b> , 146, 13-26		9
1011	Sex-specific responses of bud burst and early development to nongrowing season warming and drought in <i>Populus cathayana</i> . <b>2018</b> , 48, 68-76		8
1010	Phenology differences between native and novel exotic-dominated grasslands rival the effects of climate change. <b>2018</b> , 55, 863-873		15
1009	Covering the Cost of the Past. <b>2018</b> , 1, 49-63		
1008	An improved parameterization of leaf area index (LAI) seasonality in the Canadian Land Surface Scheme (CLASS) and Canadian Terrestrial Ecosystem Model (CTEM) modelling framework. <b>2018</b> , 15, 6885-6907 <sup>21</sup>		
1007	Checking the Consistency of Volunteered Phenological Observations While Analysing Their Synchrony. <b>2018</b> , 7, 487		3
1006	Spatial and temporal variation in plant community phenology in the Jebel Marra region of Darfur. <b>2018</b> , 53, 389-403		2

1005	Relationship between Spatiotemporal Variations of Climate, Snow Cover and Plant Phenology over the Alps An Earth Observation-Based Analysis. <b>2018</b> , 10, 1757	27
1004	. <b>2018</b> ,	
1003	Evolution and Conservation of Trees A Review of Salient Issues. <b>2018</b> , 355-380	2
1002	Indian time: time, seasonality, and culture in Traditional Ecological Knowledge of climate change. <b>2018</b> , 7,	23
1001	Climate and synchrony with conspecifics determine the effects of flowering phenology on reproductive success in <i>Silene acaulis</i> . <b>2018</b> , 50, e1548866	5
1000	The PERPHECLIM ACCAF Project Perennial fruit crops and forest phenology evolution facing climatic changes. <b>2018</b> , 89-94	
999	Two decades of evolutionary changes in <i>Brassica rapa</i> in response to fluctuations in precipitation and severe drought. <b>2018</b> , 72, 2682-2696	19
998	Grapevine abiotic stress assessment and search for sustainable adaptation strategies in Mediterranean-like climates. A review. <b>2018</b> , 38, 1	39
997	Patterns and predictors of fleshy fruit phenology at five international botanical gardens. <b>2018</b> , 105, 1824-1834	10
996	Managing Photothermal Environment for Improving Crop Productivity. <b>2018</b> , 153-179	1
995	Transgenerational effects in asexually reproduced offspring of <i>Populus</i> . <b>2018</b> , 13, e0208591	7
994	Evaluation of an almond phenology model under Australian conditions. <b>2018</b> , 125-132	1
993	Bioenergy cropland expansion may offset positive effects of climate change mitigation for global vertebrate diversity. <b>2018</b> , 115, 13294-13299	52
992	Rhizosphere microorganisms can influence the timing of plant flowering. <b>2018</b> , 6, 231	119
991	Quantifying temporal change in plant population attributes: insights from a resurrection approach. <b>2018</b> , 10, ply063	11
990	High-Temperature Episodes with Spatial-Temporal Variation Impacted Middle-Season Rice Yield in China. <b>2018</b> , 110, 961-969	1
989	Cold Hardiness in Trees: A Mini-Review. <b>2018</b> , 9, 1394	35
988	Phenological patterns in Mediterranean south Iberian serpentine flora. <b>2018</b> , 36,	0

987	Land surface greening suggests vigorous woody regrowth throughout European semi-natural vegetation. <i>Global Change Biology</i> , <b>2018</b> , 24, 5789-5801	11.4	29
986	Widespread seasonal compensation effects of spring warming on northern plant productivity. <b>2018</b> , 562, 110-114		134
985	Productive response of Macabeo varietie in two locations of Spain. <b>2018</b> , 50, 01040		
984	Winter and spring climatic conditions influence timing and synchrony of calving in reindeer. <b>2018</b> , 13, e0195603		16
983	LiDAR derived topography and forest stand characteristics largely explain the spatial variability observed in MODIS land surface phenology. <b>2018</b> , 218, 231-244		19
982	Phenological sequences: how early-season events define those that follow. <b>2018</b> , 105, 1771-1780		27
981	Interannual phenological variability in two North-East Atlantic populations of <i>Calanus finmarchicus</i> . <b>2018</b> , 14, 752-767		5
980	Rapid Shifts of Peak Flowering Phenology in 12 Species under the Effects of Extreme Climate Events in Macao. <b>2018</b> , 8, 13950		11
979	Migration Mismatch: Bird Migration and Phenological Mismatching. <b>2018</b> , 80, 540-543		2
978	Using temperature to predict the end of flowering in the common grape ( <i>Vitis vinifera</i> ) in the Macerata wine region, Italy. <b>2018</b> , 3, 1		2
977	Assessing Near Surface Hydrologic Processes and Plant Response over a 1600 m Mountain Valley Gradient in the Great Basin, NV, U.S.A.. <b>2018</b> , 10, 420		4
976	Identifying phenological functional types in savanna trees. <b>2018</b> , 35, 81-88		2
975	Temporal changes in the relationship between tree-ring growth and net primary production in northern Japan: a novel approach to the estimation of seasonal photosynthate allocation to the stem. <b>2018</b> , 33, 1275-1287		1
974	Trends in evapotranspiration and their responses to climate change and vegetation greening over the upper reaches of the Yellow River Basin. <b>2018</b> , 263, 118-129		65
973	Simulating Climate Change Impacts on Hybrid-Poplar and Black Locust Short Rotation Coppices. <b>2018</b> , 9, 419		3
972	Long-term changes in migration timing of Song Thrush <i>Turdus philomelos</i> at the southern Baltic coast in response to temperatures on route and at breeding grounds. <b>2018</b> , 62, 1595-1605		6
971	Intra-annual wood formation of subtropical Chinese red pine shows better growth in dry season than wet season. <b>2018</b> , 38, 1225-1236		17
970	Warming results in advanced spring phenology, delayed leaf fall, and developed abnormal shoots in <i>Pinus densiflora</i> seedlings. <b>2018</b> , 32, 1473-1479		4

969	Current issues in tropical phenology: a synthesis. <b>2018</b> , 50, 477-482	28
968	Later springs green-up faster: the relation between onset and completion of green-up in deciduous forests of North America. <b>2018</b> , 62, 1645-1655	15
967	Warming-Induced Earlier Greenup Leads to Reduced Stream Discharge in a Temperate Mixed Forest Catchment. <b>2018</b> , 123, 1960-1975	22
966	Reduced geographical variability in spring phenology of temperate trees with recent warming. <b>2018</b> , 256-257, 526-533	21
965	Crop Productivity in Changing Climate. <b>2018</b> , 213-241	3
964	Dynamics of vegetation autumn phenology and its response to multiple environmental factors from 1982 to 2012 on Qinghai-Tibetan Plateau in China. <b>2018</b> , 637-638, 855-864	44
963	Genetic differentiation in the timing of budburst in <i>Fagus crenata</i> in relation to temperature and photoperiod. <b>2018</b> , 62, 1763-1776	8
962	Spatio-temporal variation in fitness responses to contrasting environments in <i>Arabidopsis thaliana</i> . <b>2018</b> , 72, 1570	23
961	Local environment, not local adaptation, drives leaf-out phenology in common gardens along an elevational gradient in Acadia National Park, Maine. <b>2018</b> , 105, 986-995	14
960	Climate-induced shifts in leaf unfolding and frost risk of European trees and shrubs. <b>2018</b> , 8, 9865	48
959	Using archived television video footage to quantify phenology responses to climate change. <b>2018</b> , 9, 1874-1882	9
958	Acceleration of global vegetation greenup from combined effects of climate change and human land management. <i>Global Change Biology</i> , <b>2018</b> , 24, 5484-5499	11.4 39
957	Warming delays the phenological sequences of an autumn-flowering invader. <b>2018</b> , 8, 6299-6307	4
956	Interactions between rising CO <sub>2</sub> and temperature drive accelerated flowering in model plants under changing conditions of the last century. <b>2018</b> , 187, 911-919	4
955	Shifts in phenological distributions reshape interaction potential in natural communities. <b>2018</b> , 21, 1143-1151	35
954	The role of botanical gardens in scientific research, conservation, and citizen science. <b>2018</b> , 40, 181-188	34
953	The strength of flowering temperature relationship and pre-season length affect temperature sensitivity of first flowering date across space. <b>2018</b> , 38, 5030-5036	4
952	Study on the effect of temperature and flower age on pollen performance, stigma receptivity and fruit-set of <i>Moringa oleifera</i> Lam.. <b>2018</b> , 57-64	2

951	The Plant Phenology Ontology: A New Informatics Resource for Large-Scale Integration of Plant Phenology Data. <b>2018</b> , 9, 517	35
950	The potential for phenological mismatch between a perennial herb and its ground-nesting bee pollinator. <b>2018</b> , 10, ply040	12
949	Climate Change and Phenological Mismatch in Trophic Interactions Among Plants, Insects, and Vertebrates. <b>2018</b> , 49, 165-182	196
948	Exploring the Influence of Temperature on Aspects of the Reproductive Phenology of Temperate Seaweeds. <b>2018</b> , 5,	16
947	Predominant Non-additive Effects of Multiple Stressors on Autotroph C:N:P Ratios Propagate in Freshwater and Marine Food Webs. <b>2018</b> , 9, 69	17
946	Climate Change and Pest Management: Unanticipated Consequences of Trophic Dislocation. <b>2018</b> , 8, 7	24
945	Migratory connectivity of barn swallows in South Africa to their Palaearctic breeding grounds. <b>2018</b> , 24, 1699-1708	1
944	Optimal Representation of Anuran Call Spectrum in Environmental Monitoring Systems Using Wireless Sensor Networks. <b>2018</b> , 18,	10
943	Autumn leaf phenology: discrepancies between in situ observations and satellite data at urban and rural sites. <b>2018</b> , 39, 8129-8150	11
942	Unchanged risk of frost exposure for subalpine and alpine plants after snowmelt in Switzerland despite climate warming. <b>2018</b> , 62, 1755-1762	13
941	Freshwater eels: A symbol of the effects of global change. <b>2018</b> , 19, 903-930	52
940	Long-term monitoring of the endemic <i>Rana latastei</i> : suggestions for after-LIFE management. <b>2018</b> , 52, 709-717	4
939	Phenotypic plasticity in response to temperature fluctuations is genetically variable, and relates to climatic variability of origin, in. <b>2018</b> , 10, ply043	25
938	How training citizen scientists affects the accuracy and precision of phenological data. <b>2018</b> , 62, 1421-1435	15
937	Effects of herbicide and nitrogen fertilizer on non-target plant reproduction and indirect effects on pollination in <i>Tanacetum vulgare</i> (Asteraceae). <b>2018</b> , 262, 76-82	17
936	On the sensitivity of root and leaf phenology to warming in the Arctic. <b>2018</b> , 50, S100020	8
935	Identifying Critical Climate Periods for Vegetation Growth in the Northern Hemisphere. <b>2018</b> , 123, 2541-2552	22
934	Seasonal variation in preference dictates space use in an invasive generalist. <b>2018</b> , 13, e0199078	9

933	Using Near-Infrared-Enabled Digital Repeat Photography to Track Structural and Physiological Phenology in Mediterranean TreeGrass Ecosystems. <b>2018</b> , 10, 1293	43
932	Early arrival at breeding grounds: Causes, costs and a trade-off with overwintering latitude. <b>2018</b> , 87, 1627-1638	21
931	Phenological variation decreased carbon uptake in European forests during 1999-2013. <b>2018</b> , 427, 45-51	11
930	Assessing the impact of street lighting on <i>Platanus x acerifolia</i> phenology. <b>2018</b> , 34, 71-77	22
929	Fruiting patterns of macrofungi in tropical and temperate land use types in Yunnan Province, China. <b>2018</b> , 91, 7-15	1
928	Nonstationary Hydrologic Behavior in Forested Watersheds Is Mediated by Climate-Induced Changes in Growing Season Length and Subsequent Vegetation Growth. <b>2018</b> , 54, 5359-5375	35
927	Seasonal and diurnal patterns of soil respiration in an evergreen coniferous forest: Evidence from six years of observation with automatic chambers. <b>2018</b> , 13, e0192622	23
926	A Site-Specific Analysis of the Implications of a Changing Ozone Profile and Climate for Stomatal Ozone Fluxes in Europe. <b>2019</b> , 230, 1	7
925	Moderate chilling requirement controls budburst for subtropical species in China. <b>2019</b> , 278, 107693	21
924	An enhanced bloom index for quantifying floral phenology using multi-scale remote sensing observations. <b>2019</b> , 156, 108-120	29
923	Peculiarity of agrometeorological conditions for growing apricot trees ( <i>Prunus armeniaca</i> L.) in Bulgaria. <b>2019</b> ,	
922	Responses of bud-break phenology to daily-asymmetric warming: daytime warming intensifies the advancement of bud break. <b>2019</b> , 63, 1631-1640	1
921	Diverging shifts in spring phenology in response to biodiversity loss in a subtropical forest. <b>2019</b> , 30, 1175-1183	9
920	Asymmetric Effects of Daytime and Nighttime Warming on Boreal Forest Spring Phenology. <b>2019</b> , 11, 1651	11
919	Climate Warming Does Not Always Extend the Plant Growing Season in Inner Mongolian Grasslands: Evidence From a 30-Year In Situ Observations at Eight Experimental Sites. <b>2019</b> , 124, 2364-2378	8
918	Shifts in phenological mean and synchrony interact to shape competitive outcomes. <b>2019</b> , 100, e02826	16
917	Associations between alteration in plant phenology and hay fever prevalence among US adults: Implication for changing climate. <b>2019</b> , 14, e0212010	12
916	Warmer temperatures advance flowering in a spring plant more strongly than emergence of two solitary spring bee species. <b>2019</b> , 14, e0218824	22

915	Discrepancies in vegetation phenology trends and shift patterns in different climatic zones in middle and eastern Eurasia between 1982 and 2015. <b>2019</b> , 9, 8664-8675		7
914	Divergent changes in the elevational gradient of vegetation activities over the last 30 years. <b>2019</b> , 10, 2970		59
913	Winter's bite: beech trees survive complete defoliation due to spring late-frost damage by mobilizing old C reserves. <b>2019</b> , 224, 625-631		16
912	Neotropical ferns community phenology: climatic triggers in subtropical climate in Araucaria forest. <b>2019</b> , 63, 1393-1404		2
911	Estimating the peak of growing season (POS) of China's terrestrial ecosystems. <b>2019</b> , 278, 107639		14
910	Response of almond flowering and dormancy to Mediterranean temperature conditions in the context of adaptation to climate variations. <b>2019</b> , 257, 108687		3
909	A new phenological metric for use in pheno-climatic models: A case study using herbarium specimens of. <b>2019</b> , 7, e11276		9
908	Misplaced optimism in agricultural land usage driven by newly available climate resources: A case study of estimated and realized cropping intensity in northern and northeastern China. <b>2019</b> , 25, 100194		
907	Shortened temperature-relevant period of spring leaf-out in temperate-zone trees. <i>Global Change Biology</i> , <b>2019</b> , 25, 4282-4290	11.4	12
906	Effect of High-Temperature Stress on Crop Productivity. <b>2019</b> , 1-114		3
905	Detection of autumn leaf phenology and color brightness from repeat photography: Accurate, robust, and sensitive indexes and modeling under unstable field observations. <b>2019</b> , 106, 105482		4
904	Response of <i>Tilia</i> sp. L. to climate warming in urban conditions [Phenological and aerobiological studies. <b>2019</b> , 43, 126369		4
903	Autumn bird migration phenology: A potpourri of wind, precipitation and temperature effects. <i>Global Change Biology</i> , <b>2019</b> , 25, 4064-4080	11.4	25
902	Warming Amplifies the Frequency of Harmful Algal Blooms with Eutrophication in Chinese Coastal Waters. <b>2019</b> , 53, 13031-13041		33
901	An Empirical Assessment of the MODIS Land Cover Dynamics and TIMESAT Land Surface Phenology Algorithms. <b>2019</b> , 11, 2201		20
900	Sensitivity analysis of tree phenology models reveals increasing sensitivity of their predictions to winter chilling temperature and photoperiod with warming climate. <b>2019</b> , 411, 108805		12
899	Inbreeding does not alter the response to an experimental heat wave in a freshwater snail. <b>2019</b> , 14, e0220669		3
898	An examination of climate-driven flowering-time shifts at large spatial scales over 153 years in a common weedy annual. <b>2019</b> , 106, 1435-1443		6

897	Factors influencing fall departure phenology in migratory birds that bred in northeastern North America. <b>2019</b> ,	2
896	How does timing of flowering affect competition for pollinators, flower visitation and seed set in an early spring grassland plant?. <b>2019</b> , 9, 15593	9
895	The effect of urbanization on plant phenology depends on regional temperature. <b>2019</b> , 3, 1661-1667	39
894	The urban imprint on plant phenology. <b>2019</b> , 3, 1668-1674	26
893	The role of selection and evolution in changing parturition date in a red deer population. <b>2019</b> , 17, e3000493	26
892	Grasshopper phenological responses to climate gradients, variability, and change. <b>2019</b> , 10, e02866	7
891	Effect of Mathematical Expression of Vegetation Indices on the Estimation of Phenology Trends from Satellite Data. <b>2019</b> , 29, 756-767	5
890	Metabolic rhythms in flowing waters: An approach for classifying river productivity regimes. <b>2019</b> , 64, 1835-1851	28
889	Solitary Bee Life History Traits and Sex Mediate Responses to Manipulated Seasonal Temperatures and Season Length. <b>2019</b> , 7,	3
888	Asymmetric Behavior of Vegetation Seasonal Growth and the Climatic Cause: Evidence from Long-Term NDVI Dataset in Northeast China. <b>2019</b> , 11, 2107	7
887	Summer drought and spring frost, but not their interaction, constrain European beech and Silver fir growth in their southern distribution limits. <b>2019</b> , 278, 107695	19
886	Detecting temporal changes in the temperature sensitivity of spring phenology with global warming: Application of machine learning in phenological model. <b>2019</b> , 279, 107702	12
885	The effect of phenology on the carbon exchange process in grassland and maize cropland ecosystems across a semiarid area of China. <b>2019</b> , 695, 133868	13
884	Atlantic corals under climate change: modelling distribution shifts to predict richness, phylogenetic structure and trait-diversity changes. <b>2019</b> , 28, 3873-3890	4
883	Does Earlier and Increased Spring Plant Growth Lead to Reduced Summer Soil Moisture and Plant Growth on Landscapes Typical of Tundra-Taiga Interface?. <b>2019</b> , 11, 1989	12
882	Growing season and radial growth predicted for <i>Fagus sylvatica</i> under climate change. <b>2019</b> , 153, 181-197	33
881	Contrasting strategies of xylem formation between black spruce and balsam fir in Quebec, Canada. <b>2019</b> , 39, 747-754	6
880	Assessing spring phenology of a temperate woodland: A multiscale comparison of ground, unmanned aerial vehicle and Landsat satellite observations. <b>2019</b> , 223, 229-242	54



879	Extreme winter warm event causes exceptionally early bud break for many woody species. <b>2019</b> , 10, e02542	11
878	Ongoing seasonally uneven climate warming leads to earlier autumn growth cessation in deciduous trees. <b>2019</b> , 189, 549-561	21
877	East Asian summer monsoon substantially affects the inter-annual variation of carbon dioxide exchange in semi-arid grassland ecosystem in Loess Plateau. <b>2019</b> , 272, 218-229	10
876	A new algorithm for the estimation of leaf unfolding date using MODIS data over China's terrestrial ecosystems. <b>2019</b> , 149, 77-90	20
875	Distribution margins as natural laboratories to infer species' flowering responses to climate warming and implications for frost risk. <b>2019</b> , 268, 299-307	24
874	Climatic Warming Increases Spatial Synchrony in Spring Vegetation Phenology Across the Northern Hemisphere. <b>2019</b> , 46, 1641-1650	18
873	Integrating reproductive phenology in ecological niche models changed the predicted future ranges of a marine invader. <b>2019</b> , 25, 688-700	12
872	Diverse Responses of Vegetation Dynamics to Snow Cover Phenology over the Boreal Region. <b>2019</b> , 10, 376	2
871	Measuring Vegetation Phenology with Near-Surface Remote Sensing in a Temperate Deciduous Forest: Effects of Sensor Type and Deployment. <b>2019</b> , 11, 1063	3
870	Continental-scale determinants of population trends in European amphibians and reptiles. <i>Global Change Biology</i> , <b>2019</b> , 25, 3504-3515	11.4 18
869	Urban-rural gradients reveal joint control of elevated CO <sub>2</sub> and temperature on extended photosynthetic seasons. <b>2019</b> , 3, 1076-1085	43
868	Opposite effects of winter day and night temperature changes on early phenophases. <b>2019</b> , 100, e02775	7
867	A counting method for the number of <i>Sternolophus rufipes</i> and <i>Hydrochara affinis</i> in a noisy trap image. <b>2019</b> , 22, 802-806	1
866	Phenology in a warming world: differences between native and non-native plant species. <b>2019</b> , 22, 1253-1263	23
865	How needle phenology indicates the changes of xylem cell formation during drought stress in <i>Pinus sylvestris</i> L.. <b>2019</b> , 56, 125600	10
864	No trends in spring and autumn phenology during the global warming hiatus. <b>2019</b> , 10, 2389	59
863	Cue identification in phenology: A case study of the predictive performance of current statistical tools. <b>2019</b> , 88, 1428-1440	12
862	When spring ephemerals fail to meet pollinators: mechanism of phenological mismatch and its impact on plant reproduction. <b>2019</b> , 286, 20190573	32

861	Climate Change and Pollen Allergies. <b>2019</b> , 47-66	13
860	Inner Mongolian grassland plant phenological changes and their climatic drivers. <b>2019</b> , 683, 1-8	25
859	Long-term shifts in the seasonal abundance of adult biting midges and their impact on potential arbovirus outbreaks. <b>2019</b> , 56, 1649-1660	11
858	Dynamics of net primary productivity on the Mongolian Plateau: Joint regulations of phenology and drought. <b>2019</b> , 81, 85-97	34
857	Effects of data temporal resolution on phenology extractions from the alpine grasslands of the Tibetan Plateau. <b>2019</b> , 104, 365-377	10
856	Spatial sampling inconsistency leads to differences in phenological sensitivity to warming between natural and experiment sites. <b>2019</b> , 64, 961-963	2
855	Experimentally warmer and drier conditions in an Arctic plant community reveal microclimatic controls on senescence. <b>2019</b> , 10, e02677	7
854	Plant reproductive fitness and phenology responses to climate warming: Results from native populations, communities, and ecosystems. <b>2019</b> , 61-102	1
853	Daily Maximum Temperatures Induce Lagged Effects on Leaf Unfolding in Temperate Woody Species Across Large Elevational Gradients. <b>2019</b> , 10, 398	9
852	A Comparison of the Signal from Diverse Optical Sensors for Monitoring Alpine Grassland Dynamics. <b>2019</b> , 11, 296	14
851	Responses of plant phenology to nitrogen addition: a meta-analysis. <b>2019</b> , 128, 1243-1253	13
850	Do longer growing seasons give introduced plants an advantage over native plants in Interior Alaska?. <b>2019</b> , 97, 347-362	5
849	Nutrient availability alters the correlation between spring leaf-out and autumn leaf senescence dates. <b>2019</b> , 39, 1277-1284	16
848	Implications of an exceptional autumn bud flush on subsequent cold tolerance of Garry oak ( <i>Quercus garryana</i> ). <b>2019</b> , 49, 942-948	
847	Drought reduces tree growing season length but increases nitrogen resorption efficiency in a Mediterranean ecosystem. <b>2019</b> , 16, 1265-1279	5
846	Seeing the forest as well as the trees: An expert opinion approach to identifying holistic condition indicators for mangrove ecosystems. <b>2019</b> , 222, 183-194	5
845	Toward a large-scale and deep phenological stage annotation of herbarium specimens: Case studies from temperate, tropical, and equatorial floras. <b>2019</b> , 7, e01233	39
844	Plant phenology and global climate change: Current progresses and challenges. <i>Global Change Biology</i> , <b>2019</b> , 25, 1922-1940	11.4 382

843	Spatiotemporal variation in vegetation spring phenology and its response to climate change in freshwater marshes of Northeast China. <b>2019</b> , 666, 1169-1177	31
842	Impacts of climatic and varietal changes on phenology and yield components in rice production in Shonai region of Yamagata Prefecture, Northeast Japan for 36 years. <b>2019</b> , 22, 382-394	13
841	Constituents of a mixed-ploidy population of <i>Solidago altissima</i> differ in plasticity and predicted response to selection under simulated climate change. <b>2019</b> , 106, 453-468	
840	Temperature-related changes in airborne allergenic pollen abundance and seasonality across the northern hemisphere: a retrospective data analysis. <b>2019</b> , 3, e124-e131	106
839	Spring- and fall-flowering species show diverging phenological responses to climate in the Southeast USA. <b>2019</b> , 63, 481-492	23
838	Mediterranean and Northern Iberian gene pools of wild <i>Castanea sativa</i> Mill. are two differentiated ecotypes originated under natural divergent selection. <b>2019</b> , 14, e0211315	17
837	Long-term continuity in land surface phenology measurements: A comparative assessment of the MODIS land cover dynamics and VIIRS land surface phenology products. <b>2019</b> , 226, 74-92	31
836	Local snow melt and temperature-but not regional sea ice-explain variation in spring phenology in coastal Arctic tundra. <i>Global Change Biology</i> , <b>2019</b> , 25, 2258-2274	11.4 28
835	Phenology and floral synchrony of <i>Rhizophora</i> mangle along a natural salinity gradient. <b>2019</b> , 51, 355-363	5
834	Integrating herbarium specimen observations into global phenology data systems. <b>2019</b> , 7, e01231	17
833	Differentiation and Non-Linear Responses in Temporal Phenotypic Plasticity of Seasonal Phenophases in a Common Garden of <i>Crataegus monogyna</i> Jacq.. <b>2019</b> , 10, 293	5
832	Elevated temperature differently affects growth, photosynthetic capacity, nutrient absorption and leaf ultrastructure of <i>Abies faxoniana</i> and <i>Picea purpurea</i> under intra- and interspecific competition. <b>2019</b> , 39, 1342-1357	13
831	Relationship between Winter Snow Cover Dynamics, Climate and Spring Grassland Vegetation Phenology in Inner Mongolia, China. <b>2019</b> , 8, 42	17
830	Prairie plant phenology driven more by temperature than moisture in climate manipulations across a latitudinal gradient in the Pacific Northwest, USA. <b>2019</b> , 9, 3637-3650	11
829	Daylength helps temperate deciduous trees to leaf-out at the optimal time. <i>Global Change Biology</i> , <b>2019</b> , 25, 2410-2418	11.4 50
828	Heat-stress induced flowering can be a potential adaptive response to ocean warming for the iconic seagrass <i>Posidonia oceanica</i> . <b>2019</b> , 28, 2486-2501	29
827	Anticipating global terrestrial ecosystem state change using FLUXNET. <i>Global Change Biology</i> , <b>2019</b> , 25, 2352-2367	11.4 9
826	A decade of flowering phenology of the keystone saguaro cactus ( <i>Carnegiea gigantea</i> ). <b>2019</b> , 106, 199-210	4

825	The start and end of the growing season in Pakistan during 1982–2015. <b>2019</b> , 78, 1	1
824	Phenological and genetic characterization of Mediterranean plants at the peripheral range: the case of <i>Cistus albidus</i> near Lake Garda. <b>2019</b> , 252, 26-35	
823	Mapping European ecosystem change types in response to land-use change, extreme climate events, and land degradation. <b>2019</b> , 30, 951-963	17
822	Interacting effects of temperature and precipitation on climatic sensitivity of spring vegetation green-up in arid mountains of China. <b>2019</b> , 269-270, 71-77	37
821	Response patterns of xylem and leaf phenology to temperature at the southwestern distribution boundary of <i>Quercus robur</i> : A multi-spatial study. <b>2019</b> , 269-270, 46-56	9
820	The forgotten season: the impact of autumn phenology on a specialist insect herbivore community on oak. <b>2019</b> , 44, 425-435	14
819	New satellite-based estimates show significant trends in spring phenology and complex sensitivities to temperature and precipitation at northern European latitudes. <b>2019</b> , 63, 763-775	24
818	Short photoperiod reduces the temperature sensitivity of leaf-out in saplings of <i>Fagus sylvatica</i> but not in horse chestnut. <i>Global Change Biology</i> , <b>2019</b> , 25, 1696-1703	11.4 32
817	RELATIONSHIP BETWEEN PHENOLOGY, PRODUCTIVITY, AND METEOROLOGICAL FACTORS IN RECENT 15 YEARS IN THE PASTORAL AREA OF QINGHAI, CHINA. <b>2019</b> , 01, 1950002	1
816	Timing to temperature: Egg-laying dates respond to temperature and are under stronger selection at northern latitudes. <b>2019</b> , 10, e02974	5
815	Phenological scale for the mortiño or agraz ( <i>Vaccinium meridionale</i> Swartz) in the high Colombian Andean area. <b>2019</b> , 72, 8897-8908	3
814	Desert-like badlands and surrounding (semi-)dry grasslands of Central Germany promote small-scale phenotypic and genetic differentiation in. <b>2019</b> , 9, 14066-14084	3
813	Spectral Index-Based Monitoring (2000–2017) in Lowland Forests to Evaluate the Effects of Climate Change. <b>2019</b> , 9, 411	3
812	Representing Grasslands Using Dynamic Prognostic Phenology Based on Biological Growth Stages: Part 2. Carbon Cycling. <b>2019</b> , 11, 4440-4465	8
811	Hot summers ahead? Multi-decadal spring season warming precedes sudden summer temperature rise in pre-anthropogenic climate change. <b>2019</b> , 141, 175-180	2
810	Detecting Growth Reductions Induced by Past Spring Frosts at the Northern Patagonian Andes. <b>2019</b> , 10, 1413	3
809	Quantification of Cultivar Change in Double Rice Regions under a Warming Climate during 1981–2009 in China. <b>2019</b> , 9, 794	3
808	Hazelnut phenological phases and environmental effects in two central Italy areas. <b>2019</b> , 75, 137-143	1

807	From bud formation to flowering: transcriptomic state defines the cherry developmental phases of sweet cherry bud dormancy. <b>2019</b> , 20, 974	26
806	Climatic Drivers of Greening Trends in the Alps. <b>2019</b> , 11, 2527	20
805	Divergent Response of Leaf Coloring Seasons to Temperature Change in Northern China over the Past 50 Years. <b>2019</b> , 2019, 1-10	0
804	Interannual variation in UV-B and temperature effects on bud phenology and growth in <i>Populus tremula</i> . <b>2019</b> , 134, 31-39	5
803	Climatic effects on bud break and frost tolerance in the northernmost populations of Beech ( <i>Fagus sylvatica</i> ) in Europe. <b>2019</b> , 33, 79-89	4
802	Phenological synchrony between eastern spruce budworm and its host trees increases with warmer temperatures in the boreal forest. <b>2019</b> , 9, 576-586	29
801	Vegetation phenology and its variations in the Tibetan Plateau, China. <b>2019</b> , 40, 3323-3343	3
800	Phenological shifts in conifer species stressed by spruce budworm defoliation. <b>2019</b> , 39, 590-605	14
799	Variations in land surface phenology and their response to climate change in Yangtze River basin during 1982-2015. <b>2019</b> , 137, 1659-1674	15
798	Climate-phenology-hydrology interactions in northern high latitudes: Assessing the value of remote sensing data in catchment ecohydrological studies. <b>2019</b> , 656, 19-28	15
797	Adaptive significance of functional germination traits in crop wild relatives of Brassica. <b>2019</b> , 264, 343-350	8
796	Habitat- and species-mediated short- and long-term distributional changes in waterbird abundance linked to variation in European winter weather. <b>2019</b> , 25, 225-239	21
795	Subalpine forest dynamics reconstructed throughout the last 700 years in the Central Pyrenees by means of tree rings and pollen. <b>2019</b> , 29, 300-312	1
794	Impacts of recent climate change on terrestrial flora and fauna: Some emerging Australian examples. <b>2019</b> , 44, 3-27	57
793	Four decades of plant community change along a continental gradient of warming. <i>Global Change Biology</i> , <b>2019</b> , 25, 1629-1641	11.4 16
792	Modelling the epigenetic response of increased temperature during reproduction on Norway spruce phenology. <b>2019</b> , 34, 83-93	3
791	Atmo-ecometabolomics: a novel atmospheric particle chemical characterization methodology for ecological research. <b>2019</b> , 191, 78	5
790	Exploring the potential of LANDSAT-8 for estimation of forest soil CO2 efflux. <b>2019</b> , 77, 42-52	6

789	Plant phenological sensitivity to climate change on the Tibetan Plateau and relative to other areas of the world. <b>2019</b> , 10, e02543		15
788	Modelling leaf coloration dates over temperate China by considering effects of leafy season climate. <b>2019</b> , 394, 34-43		12
787	From phenology to forest management: Ecotypes selection can avoid early or late frosts, but not both. <b>2019</b> , 436, 21-26		19
786	Exploring relationships of spring green-up to moisture and temperature across Wyoming, U.S.A. <b>2019</b> , 40, 956-984		5
785	Long-term changes in the impacts of global warming on leaf phenology of four temperate tree species. <i>Global Change Biology</i> , <b>2019</b> , 25, 997-1004	11.4	42
784	Climate warming and management impact on the change of phenology of the rice-wheat cropping system in Punjab, Pakistan. <b>2019</b> , 230, 46-61		88
783	Comparison of budburst phenology trends and precision among participants in a citizen science program. <b>2019</b> , 63, 61-72		8
782	The response of boreal peatland community composition and NDVI to hydrologic change, warming, and elevated carbon dioxide. <i>Global Change Biology</i> , <b>2019</b> , 25, 93-107	11.4	44
781	Experiments Are Necessary in Process-Based Tree Phenology Modelling. <b>2019</b> , 24, 199-209		46
780	Warming shortens flowering seasons of tundra plant communities. <b>2019</b> , 3, 45-52		42
779	Survival, growth and cold hardiness tradeoffs in white spruce populations: Implications for assisted migration. <b>2019</b> , 433, 544-552		17
778	Assortative mating by flowering time and its effect on correlated traits in variable environments. <b>2019</b> , 9, 471-481		4
777	Shifts in the timing of the early flowering in plants from a semi-arid ecoregion under climate change. <b>2019</b> , 74, 437-446		2
776	Phenological and fitness responses to climate warming depend upon genotype and competitive neighbourhood in <i>Arabidopsis thaliana</i> . <b>2019</b> , 33, 308-322		3
775	Geographical adaptation prevails over species-specific determinism in trees' vulnerability to climate change at Mediterranean rear-edge forests. <i>Global Change Biology</i> , <b>2018</b> , 25, 1296	11.4	37
774	The mechanisms of phenology: the patterns and processes of phenological shifts. <b>2019</b> , 89, e01337		78
773	Impact of urbanization on spring and autumn phenology of deciduous trees in the Seoul Capital Area, South Korea. <b>2019</b> , 63, 627-637		9
772	The consequences of change in management practices on maize yield under climate warming in Iran. <b>2019</b> , 137, 1001-1013		6

771	Recent changes in reproductive phenology of a K-selected aquatic insect predator, <i>Belostoma flumineum</i> Say (Heteroptera, Belostomatidae). <b>2019</b> , 109, 84-89		1
770	Variations in the temperature sensitivity of spring leaf phenology from 1978 to 2014 in Mudanjiang, China. <b>2019</b> , 63, 569-577		7
769	Changes in flowering phenology of woody plants from 1963 to 2014 in North China. <b>2019</b> , 63, 579-590		10
768	Oxythermal window drastically constraints the survival and development of European sturgeon early life phases. <b>2020</b> , 27, 3651-3660		2
767	The Effects of Winter Temperature and Land Use on Mangrove Avian Species Richness and Abundance on Leizhou Peninsula, China. <b>2020</b> , 40, 153-166		4
766	Genome-wide signatures of environmental adaptation in European aspen ( <i>Picea abies</i> ) under current and future climate conditions. <b>2020</b> , 13, 132-142		18
765	Homogeneity assessment of phenological records from the Swiss Phenology Network. <b>2020</b> , 64, 71-81		4
764	The onset in spring and the end in autumn of the thermal and vegetative growing season affect calving time and reproductive success in reindeer. <b>2020</b> , 66, 123-134		13
763	Vegetation green up under the influence of daily minimum temperature and urbanization in the Yellow River Basin, China. <b>2020</b> , 108, 105760		18
762	How eddy covariance flux measurements have contributed to our understanding of Global Change Biology. <i>Global Change Biology</i> , <b>2020</b> , 26, 242-260	11.4	93
761	Phenological responses to climate change in communities of plants species with contrasting functional strategies. <b>2020</b> , 170, 103852		16
760	Transcriptome and flower genes analysis of <i>Prunus campanulata</i> Maxim. <b>2020</b> , 95, 44-52		1
759	Deduction of a meteorological phenology indicator from reconstructed MODIS LST imagery. <b>2020</b> , 31, 2205-2216		1
758	The colors of heath flowering [Quantifying spatial patterns of phenology in <i>Calluna</i> life-cycle phases using high-resolution drone imagery. <b>2020</b> , 6, 35-51		10
757	Phenological performance of olive tree in a warm production area of central Tunisia. <b>2020</b> , 259, 108759		3
756	Joint forcing by heat waves and mowing poses a threat to grassland ecosystems: Evidence from a manipulative experiment. <b>2020</b> , 31, 785-800		6
755	Divergent responses of spring phenology to daytime and nighttime warming. <b>2020</b> , 281, 107832		19
754	Effects of two centuries of global environmental variation on phenology and physiology of <i>Arabidopsis thaliana</i> . <i>Global Change Biology</i> , <b>2020</b> , 26, 523-538	11.4	10

753	Reshaping phenology: Grazing has stronger effects than climate on flowering and fruiting phenology in desert plants. <b>2020</b> , 42, 125501	3
752	Climate-driven evolutionary change in reproductive and early-acting life-history traits in the perennial grass <i>Festuca ovina</i> . <b>2020</b> , 108, 1398-1410	2
751	Projected warming disrupts the synchrony of riparian seed release and snowmelt streamflow. <b>2020</b> , 225, 693-712	4
750	Effects of winter chilling and photoperiod on leaf-out and flowering in a subtropical evergreen broadleaved forest in China. <b>2020</b> , 458, 117766	13
749	Extended growing season reduced river runoff in Luanhe River basin. <b>2020</b> , 582, 124538	13
748	Phenological shifts alter the seasonal structure of pollinator assemblages in Europe. <b>2020</b> , 4, 115-121	30
747	Temperature and moisture dependence of daily growth of Scots pine ( <i>Pinus sylvestris</i> L.) roots in Southern Finland. <b>2020</b> , 40, 272-283	7
746	Can invasive species replace native species as a resource for birds under climate change? A case study on bird-fruit interactions. <b>2020</b> , 241, 108268	4
745	Spring temperatures affect senescence and N uptake in autumn and N storage for winter in <i>Rhynchospora alba</i> (Cyperaceae). <b>2020</b> , 71, 1551-1561	1
744	Meteorological conditions control the cessation rather than the beginning of wood formation in a sub-Mediterranean ring-porous oak. <b>2020</b> , 281, 107833	6
743	Legacy effect of spring phenology on vegetation growth in temperate China. <b>2020</b> , 281, 107845	33
742	Regional distribution patterns of wetland monocots with different root turnover strategies are associated with local variation in soil temperature. <b>2020</b> , 226, 86-97	6
741	Summer soil drying exacerbated by earlier spring greening of northern vegetation. <b>2020</b> , 6, eaax0255	106
740	A simpler way to predict flowering and full bloom dates of cherry blossoms by self-organizing maps. <b>2020</b> , 56, 101040	1
739	Advancement of grape maturity: comparison between contrasting cultivars and regions. <b>2020</b> , 26, 53-67	14
738	A comparison of ground-based methods for obtaining large-scale, high-resolution data on the spring leaf phenology of temperate tree species. <b>2020</b> , 64, 521-531	4
737	Climate and host genotype jointly shape tree phenology, disease levels and insect attacks. <b>2020</b> , 129, 391-401	9
736	Characteristics, drivers and feedbacks of global greening. <b>2020</b> , 1, 14-27	316



735	Developmental trap or demographic bonanza? Opposing consequences of earlier phenology in a changing climate for a multivoltine butterfly. <i>Global Change Biology</i> , <b>2019</b> , 26, 2014	11.4	9
734	A test of six simple indices to display the phenology of butterflies using a large multi-source database. <b>2020</b> , 110, 105885		1
733	Testing the effect of quantitative genetic inheritance in structured models on projections of population dynamics. <b>2020</b> , 129, 559-571		7
732	Winter temperatures predominate in spring phenological responses to warming. <b>2020</b> , 10, 1137-1142		27
731	Phenological asynchrony: a ticking time-bomb for seemingly stable populations?. <b>2020</b> , 23, 1766-1775		12
730	Impact of Climate Change and Adaptation Measures on Transhumance Herding System in Gatlang, Rasuwa. <b>2020</b> , 13, 117862212095117		5
729	Shifts in timing and duration of breeding for 73 boreal bird species over four decades. <b>2020</b> , 117, 18557-18565		23
728	Effects of climate change on the growing season of alpine grassland in Northern Tibet, China. <b>2020</b> , 23, e01126		4
727	Evaluation of the integrated riparian ecosystem response to future flow regimes on semiarid rivers in Colorado, USA. <b>2020</b> , 271, 111037		4
726	CO2 fertilization, transpiration deficit and vegetation period drive the response of mixed broadleaved forests to a changing climate in Wallonia. <b>2020</b> , 77, 1		3
725	Satellite-observed decrease in the sensitivity of spring phenology to climate change under high nitrogen deposition. <b>2020</b> , 15, 094055		5
724	Responses of Summer Shoots and Spring Phenology of <i>Pinus koraiensis</i> Seedlings to Increased Temperature and Decreased Precipitation. <b>2020</b> , 63, 473-483		1
723	Plant flowering mirrored in airborne pollen seasons? Evidence from phenological observations in 14 woody taxa. <b>2020</b> , 240, 117708		6
722	Flowering phenology of a widespread perennial herb shows contrasting responses to global warming between humid and non-humid regions. <b>2020</b> , 34, 1870-1881		14
721	Prediction of Plant Phenological Shift under Climate Change in South Korea. <b>2020</b> , 12, 9276		7
720	Comparative Transcript Profiling Suggests Distinct Flowering Response of Early- and Late-Flowering Phenotypes in Forage Grass <i>Dactylis glomerata</i> L. <b>2020</b> , 40, 2124		1
719	The Influence of Urban Conditions on the Phenology of <i>Aesculus hippocastanum</i> L. Using the Example of Wroclaw (Poland). <b>2020</b> , 11, 1261		1
718	Climate warming increases spring phenological differences among temperate trees. <i>Global Change Biology</i> , <b>2020</b> , 26, 5979-5987	11.4	18

717	Finnish National Phenological Network 1997-2017: from observations to trend detection. <b>2020</b> , 64, 1783-1793	3
716	They like it cold, but only in winter: Climate-mediated effects on a hibernator. <b>2020</b> , 34, 2098-2109	4
715	Advancing plant phenology causes an increasing trophic mismatch in an income breeder across a wide elevational range. <b>2020</b> , 11, e03144	7
714	Phenological changes in herbaceous plants in China's grasslands and their responses to climate change: a meta-analysis. <b>2020</b> , 64, 1865-1876	6
713	Examining land surface phenology in the tropical moist forest eco-zone of South America. <b>2020</b> , 64, 1911-1922	
712	Monitoring spring phenology in Mediterranean beech populations through in situ observation and Synthetic Aperture Radar methods. <b>2020</b> , 248, 111978	8
711	Estimation of Chilling and Heat Accumulation Periods Based on the Timing of Olive Pollination. <b>2020</b> , 11, 835	10
710	Assessing the Vulnerability of Military Installations in the Coterminous United States to Potential Biome Shifts Resulting from Rapid Climate Change. <b>2020</b> , 66, 564-589	3
709	Effects of Climate Change on the Season of Botanical Tourism: A Case Study in Beijing. <b>2020</b> , 2020, 1-11	2
708	Comparison of land surface phenology in the Northern Hemisphere based on AVHRR GIMMS3g and MODIS datasets. <b>2020</b> , 169, 1-16	10
707	The effects of an experimental drought on the ecophysiology and fruiting phenology of a tropical rainforest palm. <b>2020</b> , 13, 744-753	3
706	The fingerprints of climate warming on cereal crops phenology and adaptation options. <b>2020</b> , 10, 18013	67
705	Accelerated rate of vegetation green-up related to warming at northern high latitudes. <i>Global Change Biology</i> , <b>2020</b> , 26, 6190-6202	11.4 12
704	Invertebrate Decline Leads to Shifts in Plant Species Abundance and Phenology. <b>2020</b> , 11, 542125	5
703	Chilling and Forcing From Cut Twigs-How to Simplify Phenological Experiments for Citizen Science. <b>2020</b> , 11, 561413	2
702	Climate effects on land management and stream nitrogen concentrations in small agricultural catchments in Norway. <b>2020</b> , 49, 1747-1758	4
701	Best environmental predictors of breeding phenology differ with elevation in a common woodland bird species. <b>2020</b> , 10, 10219-10229	7
700	Current and future impacts of drought and ozone stress on Northern Hemisphere forests. <i>Global Change Biology</i> , <b>2020</b> , 26, 6218-6234	11.4 10

699	How does contemporary selection shape oak phenotypes?. <b>2020</b> , 13, 2772-2790		3
698	Understanding the spring phenology of Arctic tundra using multiple satellite data products and ground observations. <b>2020</b> , 63, 1599-1612		7
697	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. <b>2020</b> , 8, 221525-221538		1
696	Gains or Losses in Forest Productivity under Climate Change? The Uncertainty of CO2 Fertilization and Climate Effects. <b>2020</b> , 8, 141		4
695	Does ASCAT observe the spring reactivation in temperate deciduous broadleaf forests?. <b>2020</b> , 250, 112042		5
694	Observation of leaf phenology of trees in a secondary deciduous broad-leaved forest in northern Chugoku mountain range, western Japan, from 2004 to 2016. <b>2020</b> , 35, 1045-1050		
693	Timeline of Leaf and Cambial Phenology in Relation to Development of Initial Conduits in Xylem and Phloem in Three Coexisting Sub-Mediterranean Deciduous Tree Species. <b>2020</b> , 11, 1104		5
692	Changes in sessile oak ( <i>Quercus petraea</i> ) productivity under climate change by improved leaf phenology in the 3-PG model. <b>2020</b> , 438, 109285		4
691	Monitoring for Changes in Spring Phenology at Both Temporal and Spatial Scales Based on MODIS LST Data in South Korea. <b>2020</b> , 12, 3282		4
690	Adaptation to drought is coupled with slow growth, but independent from phenology in marginal silver fir ( <i>Mill.</i> ) populations. <b>2020</b> , 13, 2357-2376		7
689	Why don't phenophase dates in the current year affect the same phenophase dates in the following year?. <b>2020</b> , 64, 1549-1560		2
688	Long-Term Dynamics Among Strains During Thermal Adaptation of Their Hosts. <b>2020</b> , 11, 482		5
687	The Effects of Extreme Weather on Apple Quality. <b>2020</b> , 10, 7919		8
686	Detection of year-to-year spring and autumn bio-meteorological variations in siberian ecosystems. <b>2020</b> , 25, 100534		2
685	Three-dimensional change in temperature sensitivity of northern vegetation phenology. <i>Global Change Biology</i> , <b>2020</b> , 26, 5189-5201	11.4	18
684	Spring wildflower phenology and pollinator activity respond similarly to climatic variation in an eastern hardwood forest. <b>2020</b> , 193, 475-488		3
683	Possible Increase of Vegetation Exposure to Spring Frost under Climate Change in Switzerland. <b>2020</b> , 11, 391		4
682	Land surface phenology and greenness in Alpine grasslands driven by seasonal snow and meteorological factors. <b>2020</b> , 725, 138380		8

681	Does any phenological event defined by remote sensing deserve particular attention? An examination of spring phenology of winter wheat in Northern China. <b>2020</b> , 116, 106456	12
680	The summer-deciduous habit of <i>Daphne pseudomezereum</i> is a response to warm summer as cooling converts it to an evergreen. <b>2020</b> , 221, 431-440	0
679	Comparison of traditional ground-based observations and digital remote sensing of phenological transitions in a floodplain forest. <b>2020</b> , 291, 108079	9
678	Thermally-driven thresholds in terrestrial avifauna waterhole visitation indicate vulnerability to a warming climate. <b>2020</b> , 181, 104217	2
677	Impact of frozen soil changes on vegetation phenology in the source region of the Yellow River from 2003 to 2015. <b>2020</b> , 141, 1219-1234	5
676	Can changes in autumn phenology facilitate earlier green-up date of northern vegetation?. <b>2020</b> , 291, 108077	15
675	Concordance of long-term shifts with climate warming varies among phenological events and herbaceous species. <b>2020</b> , 90, e01421	7
674	Temperature Variability at Local Scale in the Bordeaux Area. Relations With Environmental Factors and Impact on Vine Phenology. <b>2020</b> , 11, 515	12
673	Assessing pollination disservices of urban street-trees: The case of London-plane tree ( <i>Platanus x hispanica</i> Mill. ex M̄chh). <b>2020</b> , 737, 139722	12
672	Flowering patterns change along elevational gradients and relate to life-history strategies in 29 herbaceous species. <b>2020</b> , 130, 41-58	11
671	Spatiotemporal changes of rice phenology in China during 1981-2010. <b>2020</b> , 140, 1483-1494	5
670	Trend Evolution of Vegetation Phenology in China during the Period of 1981-2016. <b>2020</b> , 12, 572	7
669	Evaluation of Sentinel-1 & 2 time series for predicting wheat and rapeseed phenological stages. <b>2020</b> , 163, 231-256	42
668	Leaf chlorophyll estimates of temperate deciduous shrubs during autumn senescence using a SPAD-502 meter and calibration with extracted chlorophyll. <b>2020</b> , 77, 1	7
667	Drought timing and primary productivity in a semiarid grassland. <b>2020</b> , 31, 2185-2195	10
666	Spring vegetation green-up dynamics in Central Europe based on 20-year long MODIS NDVI data. <b>2020</b> , 287, 107969	18
665	Microgeographic adaptation and the effect of pollen flow on the adaptive potential of a temperate tree species. <b>2020</b> , 227, 641-653	14
664	Association and linkage mapping to unravel genetic architecture of phenological traits and lateral bearing in Persian walnut ( <i>Juglans regia</i> L.). <b>2020</b> , 21, 203	15

663	Inheritance and QTL analysis of chilling and heat requirements for flowering in an interspecific almond x peach (Texas x Earlygold) F2 population. <b>2020</b> , 216, 1	3
662	Weather at the winter and stopover areas determines spring migration onset, progress, and advancements in Afro-Palearctic migrant birds. <b>2020</b> , 117, 17056-17062	18
661	Warming Events Advance or Delay Spring Phenology by Affecting Bud Dormancy Depth in Trees. <b>2020</b> , 11, 856	9
660	Spatio-temporal divergence in the responses of Finland's boreal forests to climate variables. <b>2020</b> , 92, 102186	5
659	Climate warming has changed phenology and compressed the climatically suitable habitat of <i>Metasequoia glyptostroboides</i> over the last half century. <b>2020</b> , 23, e01140	4
658	Leaf senescence exhibits stronger climatic responses during warm than during cold autumns. <b>2020</b> , 10, 777-780	37
657	Intraspecific variation in spring leaf phenology and duration of leaf expansion in relation to leaf habit and leaf size of temperate tree species. <b>2020</b> , 221, 939-950	1
656	Butterfly phenology in Mediterranean mountains using space-for-time substitution. <b>2020</b> , 10, 928-939	2
655	Selection and plasticity both account for interannual variation in life-history phenology in an annual prairie legume. <b>2020</b> , 10, 940-951	1
654	Assisted migration across fixed seed zones detects adaptation lags in two major North American tree species. <b>2020</b> , 30, e02092	20
653	Climate signal shift under the influence of prevailing climate warming   Evidence from <i>Quercus liaotungensis</i> on Dongling Mountain, Beijing, China. <b>2020</b> , 60, 125683	6
652	Herbarium records indicate variation in bloom-time sensitivity to temperature across a geographically diverse region. <b>2020</b> , 64, 873-880	5
651	Daily, seasonal, and interannual variability of airborne pollen of <i>Araucaria angustifolia</i> growing in the subtropical area of Argentina. <b>2020</b> , 36, 277-290	3
650	Plant phenological responses to the warm island effect in the lake group region of the Badain Jaran Desert, northwestern China. <b>2020</b> , 57, 101066	3
649	Temporal patterns of seed germination in early spring-flowering temperate woodland geophytes are modified by warming. <b>2020</b> , 125, 1013-1023	6
648	Phenological Dynamics Characterization of Alignment Trees with Sentinel-2 Imagery: A Vegetation Indices Time Series Reconstruction Methodology Adapted to Urban Areas. <b>2020</b> , 12, 639	12
647	Evaluating autumn phenology derived from field observations, satellite data, and carbon flux measurements in a northern mixed forest, USA. <b>2020</b> , 64, 713-727	9
646	Process-based models outcompete correlative models in projecting spring phenology of trees in a future warmer climate. <b>2020</b> , 285-286, 107931	8

645	Vegetation Phenological Changes in Multiple Landforms and Responses to Climate Change. <b>2020</b> , 9, 111		10
644	Evidence of an extreme weather-induced phenological mismatch and a local extirpation of the endangered Karner blue butterfly. <b>2020</b> , 2, e147		4
643	Multi-temporal remote sensing data to monitor terrestrial ecosystem responses to climate variations in Ghana. <b>2020</b> , 1-17		3
642	Urban warming advances spring phenology but reduces the response of phenology to temperature in the conterminous United States. <b>2020</b> , 117, 4228-4233		46
641	Mixed manifestations of climate change in high mountains: insights from a farming community in northern Pakistan. <b>2020</b> , 12, 911-922		6
640	Climate change fingerprints in recent European plant phenology. <i>Global Change Biology</i> , <b>2020</b> , 26, 2599	11.4	74
639	Using the red chromatic coordinate to characterize the phenology of forest canopy photosynthesis. <b>2020</b> , 285-286, 107910		12
638	Mismatch managed? Phenological phase extension as a strategy to manage phenological asynchrony in plant-animal mutualisms. <b>2020</b> , 28, 498-505		5
637	Low-cost observations and experiments return a high value in plant phenology research. <b>2020</b> , 8, e11338		8
636	Nutrients and water availability constrain the seasonality of vegetation activity in a Mediterranean ecosystem. <i>Global Change Biology</i> , <b>2020</b> , 26, 4379-4400	11.4	11
635	The Interactive Effects of Chilling, Photoperiod, and Forcing Temperature on Flowering Phenology of Temperate Woody Plants. <b>2020</b> , 11, 443		10
634	Timing of phenological stages for apple and pear trees under climate change in a temperate-continental climate. <b>2020</b> , 64, 1263-1271		8
633	Statistical modeling of phenology in Bavaria based on past and future meteorological information. <b>2020</b> , 140, 1467-1481		1
632	Modeling leaf senescence of deciduous tree species in Europe. <i>Global Change Biology</i> , <b>2020</b> , 26, 4104-4118	11.4	17
631	Climate change projections for the Worldwide Bioclimatic Classification System in the Iberian Peninsula until 2070. <b>2020</b> , 40, 5863-5886		6
630	Directional Climate Trend, Intensified Intraannual Variability, and Changes in Land Cover Drive the Dynamics of Vegetation Greenness in Peri-Urban China During 2001-2015. <b>2020</b> , 125, e2019JG005336		3
629	Climate change impacts on agriculture's southern frontier   Perspectives for farming in North Patagonia. <b>2021</b> , 41, 726-742		6
628	Advancing frost dates have reduced frost risk among most North American angiosperms since 1980. <i>Global Change Biology</i> , <b>2021</b> , 27, 165-176	11.4	3

627	Contrasting Effects of Climate Change on Alpine Chamois. <b>2021</b> , 85, 109-120		7
626	Modelling phenology to probe for trade-offs between frost and heat risk in lentil and faba bean. <b>2021</b> , 122, 126154		6
625	Global warming increases latitudinal divergence in flowering dates of a perennial herb in humid regions across eastern Asia. <b>2021</b> , 296, 108209		4
624	Temperature modifies the magnitude of a plant response to Collembola presence. <b>2021</b> , 158, 103814		1
623	The neglected season: Warmer autumns counteract harsher winters and promote population growth in Arctic reindeer. <i>Global Change Biology</i> , <b>2020</b> , 27, 993	11.4	11
622	Amaranthaceae pollen grains as indicator of climate change in Lublin (Poland). <b>2021</b> , 193, 110542		2
621	Leafy season length is reduced by a prolonged soil water deficit but not by repeated defoliation in beech trees ( <i>Fagus sylvatica</i> L.): comparison of response among regional populations grown in a common garden. <b>2021</b> , 297, 108228		1
620	Impact of the number of dates and their sampling on a NDVI time series reconstruction methodology to monitor urban trees with Venµ satellite. <b>2021</b> , 95, 102257		4
619	Dynamics of phenology and its response to climatic variables in a warm-temperate mixed plantation. <b>2021</b> , 483, 118785		5
618	Ozone critical levels for (semi-)natural vegetation dominated by perennial grassland species. <b>2021</b> , 28, 15090-15098		2
617	Tree-ring based minimum temperature reconstruction on the southeastern Tibetan Plateau. <b>2021</b> , 251, 106712		4
616	Land surface phenology as indicator of global terrestrial ecosystem dynamics: A systematic review. <b>2021</b> , 171, 330-347		21
615	Diverging models introduce large uncertainty in future climate warming impact on spring phenology of temperate deciduous trees. <b>2021</b> , 757, 143903		3
614	Spatiotemporal dynamics in assimilated-LAI phenology and its impact on subtropical bamboo forest productivity. <b>2021</b> , 96, 102267		2
613	The important role of soil moisture in controlling autumn phenology of herbaceous plants in the Inner Mongolian steppe. <b>2021</b> , 32, 3698-3710		0
612	How will climate change alter the dynamics of airborne pollen and pollen load of allergenic plants?. <b>2021</b> , 30, 96-108		1
611	Phenological changes offset the warming effects on biomass production in an alpine meadow on the Qinghai-Tibetan Plateau. <b>2021</b> , 109, 1014-1025		4
610	Remote sensing of temperate and boreal forest phenology: A review of progress, challenges and opportunities in the intercomparison of in-situ and satellite phenological metrics. <b>2021</b> , 480, 118663		16

609	Apple phenology occurs earlier across South Korea with higher temperatures and increased precipitation. <b>2021</b> , 65, 265-276	3
608	Comparison of chilling and heat requirements for leaf unfolding in deciduous woody species in temperate and subtropical China. <b>2021</b> , 65, 393-403	5
607	Evidence of climate-induced stress of Norway spruce along elevation gradient preceding the current dieback in Central Europe. <b>2021</b> , 35, 103-119	21
606	Quantification of Climate Warming and Crop Management Impacts on Phenology of Pulses-Based Cropping Systems. <b>2021</b> , 15, 107-123	7
605	Temperate deciduous shrub phenology: the overlooked forest layer. <b>2021</b> , 65, 343-355	7
604	The within-population variability of leaf spring and autumn phenology is influenced by temperature in temperate deciduous trees. <b>2021</b> , 65, 369-379	8
603	Varying temperature sensitivity of bud-burst date at different temperature conditions. <b>2021</b> , 65, 357-367	1
602	Reproductive characteristics of Japanese monkeys on Shimokita Peninsula, Japan, the northernmost habitat of wild primates in the world. <b>2021</b> , 83, 1389-1394	0
601	Phenological trends of multi-taxonomic groups in Latvia, 1970-2018. <b>2021</b> , 65, 895-904	2
600	Tracking biological footprints of climate change using flowering phenology of the geophytes: <i>Pancreatium tenuifolium</i> and <i>Scadoxus multiflorus</i> . <b>2021</b> , 65, 577-586	1
599	Unsynchronized Driving Mechanisms of Spring and Autumn Phenology Over Northern Hemisphere Grasslands. <b>2021</b> , 3,	2
598	Gap Filling for Historical Landsat NDVI Time Series by Integrating Climate Data. <b>2021</b> , 13, 484	6
597	Predicting effects of warming requires a whole-of-life cycle perspective: a case study in the alpine herb. <b>2021</b> , 9, coab023	1
596	Quantitatively distinguishing the impact of climate change and human activities on vegetation in mainland China with the improved residual method. <b>2021</b> , 58, 235-260	7
595	Changement climatique et biosphère. <b>2020</b> , 352, 339-354	
594	Artificial Light at Night Advances Spring Phenology in the United States. <b>2021</b> , 13, 399	4
593	Utilizing machine learning for detecting flowering in mid-range digital repeat photography. <b>2021</b> , 440, 109419	5
592	Biological diversity and climate change. <b>2021</b> , 541-559	



591	Quantitative Assessment of the Influences of Snow Drought on Forest and Grass Growth in Mid-High Latitude Regions by Using Remote Sensing. <b>2021</b> , 13, 668	2
590	Spring phenology is affected by fall non-structural carbohydrates concentration and winter sugar redistribution in three Mediterranean nut tree species. <b>2021</b> ,	4
589	Satellite data and machine learning reveal the incidence of late frost defoliations on Iberian beech forests. <b>2021</b> , 31, e02288	3
588	Species-specific climate-growth interactions determine tree species dynamics in mixed Central European mountain forests. <b>2021</b> , 16, 034039	4
587	Phenology in freshwaters: a review and recommendations for future research.	4
586	A First Pre-season Pollen Transport Climatology to Bavaria, Germany.. <b>2021</b> , 2, 627863	7
585	Climate warming extends growing season but not reproductive phase of terrestrial plants. <b>2021</b> , 30, 950-960	1
584	Classification and Observed Seasonal Phenology of Broadleaf Deciduous Forests in a Tropical Region by Using Multitemporal Sentinel-1A and Landsat 8 Data. <b>2021</b> , 12, 235	5
583	Genomic analyses provide insights into peach local adaptation and responses to climate change. <b>2021</b> , 31, 592-606	9
582	Uniforming spring phenology under non-uniform climate warming across latitude in China. <b>2021</b> , 762, 143177	5
581	Grasshopper species' seasonal timing underlies shifts in phenological overlap in response to climate gradients, variability and change. <b>2021</b> , 90, 1252-1263	3
580	Examining Relationships between Heat Requirement of Remotely Sensed Green-Up Date and Meteorological Indicators in the Hulun Buir Grassland. <b>2021</b> , 13, 1044	1
579	Exploring Short-Term Climate Change Effects on Rangelands and Broad-Leaved Forests by Free Satellite Data in Aosta Valley (Northwest Italy). <b>2021</b> , 9, 47	14
578	Phenology estimation of subtropical bamboo forests based on assimilated MODIS LAI time series data. <b>2021</b> , 173, 262-277	7
577	The Ecological Status of Juniperus foetidissima Forest Stands in the Mt. Oiti-Natura 2000 Site in Greece. <b>2021</b> , 13, 3544	4
576	Spring Temperature and Snow Cover Climatology Drive the Advanced Springtime Phenology (1991-2014) in the European Alps. <b>2021</b> , 126, e2020JG006150	2
575	Satellite prediction of forest flowering phenology. <b>2021</b> , 255, 112197	17
574	Spatial and temporal shifts in photoperiod with climate change. <b>2021</b> , 230, 462-474	2

- 573 An Orchid in Retrograde: Climate-Driven Range Shift Patterns of in Greece. **2021**, 10, 6
- 572 Autumn Phenology and Its Covariation with Climate, Spring Phenology and Annual Peak Growth on the Mongolian Plateau. **2021**, 298-299, 108312 6
- 571 Earlier spring reduces potential for gene flow via reduced flowering synchrony across an elevational gradient. **2021**, 108, 538-545 0
- 570 Maps, trends, and temperature sensitivities-phenological information from and for decreasing numbers of volunteer observers. **2021**, 65, 1377-1390 2
- 569 Impact of elevated air temperature and drought on pollen characteristics of major agricultural grass species. **2021**, 16, e0248759 1
- 568 A Satellite-Based Assessment of the Relative Contribution of Hydroclimatic Variables on Vegetation Growth in Global Agricultural and Nonagricultural Regions. **2021**, 126, e2020JD033228 0
- 567 Adapting Agriculture to Climate Change through Growing Season Adjustments: Evidence from Corn in China. 4
- 566 Budburst date of *Quercus petraea* is delayed in mixed stands with *Pinus sylvestris*. **2021**, 300, 108326 0
- 565 The study of soluble solids content accumulation dynamics under the influence of weather factors in the fruits of cherries. 15, 350-359 6
- 564 The flying activity of biting midges (Ceratopogonidae: Culicoides) in Verkiai Regional Park, southeastern Lithuania. **2021**, 120, 2323-2332 2
- 563 Climate data and flowering times for 450 species from 1844 deepen the record of phenological change in southern Germany. **2021**, 108, 711-717 3
- 562 Shortened key growth periods of soybean observed in China under climate change. **2021**, 11, 8197 4
- 561 Seed Biology of Witchgrass (*Panicum capillare* L.) Ensures Its Success Under Different Environmental Conditions. **2021**, 3, 1
- 560 Plant phenology evaluation of CRESCENDO land surface models [Part 1: Start and end of the growing season. **2021**, 18, 2405-2428 5
- 559 Interaction of drought and frost in tree ecophysiology: rethinking the timing of risks. **2021**, 78, 1 4
- 558 Change in erosion potential of crops due to climate change. **2021**, 300, 108338 3
- 557 Comparing fruiting phenology across two historical datasets: Thoreau's observations and herbarium specimens. **2021**, 128, 159-170 3
- 556 Association between El Niño and extreme temperatures in southern South America in CMIP5 models. Part 1: model evaluation in the present climate. **2021**, 83, 111-132 0

555	From Phenology and Habitat Preferences to Climate Change: Importance of Citizen Science in Studying Insect Ecology in the Continental Scale with American Red Flat Bark Beetle, as a Model Species. <b>2021</b> , 12,	3
554	Changes of Streamflow Caused by Early Start of Growing Season in Nevada, United States. <b>2021</b> , 13, 1067	
553	Red mason bee ( <i>Osmia bicornis</i> ) thermal preferences for nest sites and their effects on offspring survival. <b>2021</b> , 52, 707-719	1
552	Shifts in the thermal niche of fruit trees under climate change: The case of peach cultivation in France. <b>2021</b> , 300, 108327	7
551	A systematic review of the effects of temperature and precipitation on pollen concentrations and season timing, and implications for human health. <b>2021</b> , 65, 1615-1628	5
550	Welche Veränderungen kann der Klimawandel für Pollenflug und Pollenbelastung allergener Pflanzen bringen?. <b>2021</b> , 30, 54-65	
549	Strong controls of daily minimum temperature on the autumn photosynthetic phenology of subtropical vegetation in China. <b>2021</b> , 8, 31	7
548	Divergent changes of the elevational synchronicity in vegetation spring phenology in North China from 2001 to 2017 in connection with variations in chilling.	3
547	Influence of Climate Change on Flowering Time. <b>2021</b> , 64, 193-203	1
546	Establishing the twig method for investigations on pollen characteristics of allergenic tree species. <b>2021</b> , 65, 1983-1993	0
545	Early Growing Season Anomalies in Vegetation Activity Determine the Large-Scale Climate-Vegetation Coupling in Europe. <b>2021</b> , 126, e2020JG006167	3
544	The growing and vital role of botanical gardens in climate change research. <b>2021</b> , 231, 917-932	5
543	Spring understory herbs flower later in intensively managed forests. <b>2021</b> , 31, e02332	2
542	The tundra phenology database: More than two decades of tundra phenology responses to climate change.	1
541	50 Years of Pollen Monitoring in Basel (Switzerland) Demonstrate the Influence of Climate Change on Airborne Pollen.. <b>2021</b> , 2, 677159	6
540	Effects of temperature and photoperiod on the seasonal timing of Western honey bee colonies and an early spring flowering plant. <b>2021</b> , 11, 7834-7849	2
539	Temperature-based prediction of harvest date in winter and spring cereals as a basis for assessing viability for growing cover crops. <b>2021</b> , 264, 108085	3
538	Exposing changing phenology of fish larvae by modeling climate effects on temporal early life-stage shifts. <b>2021</b> , 666, 135-148	1

537	Plastic bimodal growth in a Mediterranean mixed-forest of <i>Quercus ilex</i> and <i>Pinus halepensis</i> . <b>2021</b> , 67, 125836		4
536	Mixing tree species at different spatial scales: The effect of alpha, beta and gamma diversity on disturbance impacts under climate change. <b>2021</b> , 58, 1749		3
535	Promote the advance of the start of the growing season from combined effects of climate change and wildfire. <b>2021</b> , 125, 107483		3
534	Tracking the seasonal dynamics of Himalayan birch using a time-lapse camera. 1		0
533	Plant phenological responses to experimental warming-A synthesis. <i>Global Change Biology</i> , <b>2021</b> , 27, 4110-4124	11.4	4
532	A seasonally dynamic model of light at the stream surface. <b>2021</b> , 40, 286-301		5
531	A survey of proximal methods for monitoring leaf phenology in temperate deciduous forests. <b>2021</b> , 18, 3391-3408		3
530	Declined trend in herbaceous plant green-up dates on the Qinghai-Tibetan Plateau caused by spring warming slowdown. <b>2021</b> , 772, 145039		4
529	Regional evaluation of satellite-based methods for identifying end of vegetation growing season.		2
528	An integrated approach for tracking climate-driven changes in treeline environments on different time scales in the Valle d'Aosta, Italian Alps. <b>2021</b> , 31, 1525-1538		2
527	Modelling leaf phenology of some trees with accumulated temperature in a temperate forest in northeast China. <b>2021</b> , 489, 119085		3
526	Dynamics and Drivers of Vegetation Phenology in Three-River Headwaters Region Based on the Google Earth Engine. <b>2021</b> , 13, 2528		7
525	Experimental warming differentially affects vegetative and reproductive phenology of tundra plants. <b>2021</b> , 12, 3442		12
524	Bud break in sugar maple submitted to changing conditions simulating a northward migration. <b>2021</b> , 51, 842-847		0
523	Trends in pollen season characteristics of <i>Alnus</i> , <i>Poaceae</i> and <i>Artemisia</i> allergenic taxa in Bratislava, central Europe. 1		1
522	Warmer springs have increased the frequency and extension of late-frost defoliations in southern European beech forests. <b>2021</b> , 775, 145860		9
521	Differences between flower and leaf phenological responses to environmental variation drive shifts in spring phenological sequences of temperate woody plants. <b>2021</b> , 109, 2922-2933		1
520	Can flowers affect land surface albedo and soil microclimates?. <b>2021</b> , 65, 2011-2023		2

519	Agroclimatic requirements and phenological responses to climate change of local apple cultivars in northwestern Spain. <b>2021</b> , 283, 110093	5
518	Shifts in leaf senescence across the Northern Hemisphere in response to seasonal warming.	
517	Proof of Concept for Shoot Blight and Fire Blight Canker Management with Postinfection Spray Applications of Prohexadione-Calcium and Acibenzolar--Methyl in Apple. <b>2021</b> , PDIS08201744RE	0
516	Using time series of MODIS land surface phenology to model temperature and photoperiod controls on spring greenup in North American deciduous forests. <b>2021</b> , 260, 112466	8
515	Estimation of mustard and wheat phenology using multi-date Shannon entropy and Radar Vegetation Index from polarimetric Sentinel- 1. 1-28	1
514	Unexpected Negative Effect of Available Water Capacity Detected on Recent Conifer Forest Growth Trends Across Wide Environmental Gradients. 1	0
513	Historical floras reflect broad shifts in flowering phenology in response to a warming climate. <b>2021</b> , 12, e03683	1
512	Herbarium records demonstrate changes in flowering phenology associated with climate change over the past century within the Cape Floristic Region, South Africa. <b>2021</b> , 1, 100006	1
511	Spatiotemporal Analysis of the Frost Regime in the Iberian Peninsula in the Context of Climate Change (1975-2018). <b>2021</b> , 13, 8491	1
510	Contrasting temporal variations in responses of leaf unfolding to daytime and nighttime warming. <i>Global Change Biology</i> , <b>2021</b> , 27, 5084-5093	11.4 0
509	Sensitivity of Spring Phenology Simulations to the Selection of Model Structure and Driving Meteorological Data. <b>2021</b> , 12, 963	1
508	Genomic signatures of natural selection at phenology-related genes in a widely distributed tree species <i>Fagus sylvatica</i> L. <b>2021</b> , 22, 583	0
507	The thermal ecology of burying beetles: temperature influences reproduction and daily activity in <i>Nicrophorus marginatus</i> . <b>2021</b> , 46, 1266	0
506	Empirical Approach for Modelling Tree Phenology in Mixed Forests Using Remote Sensing. <b>2021</b> , 13, 3015	2
505	Assessing the impacts of climate change on reproductive phenology in tropical rainforests of Southeast Asia.	
504	Increasing impact of warm droughts on northern ecosystem productivity over recent decades. <b>2021</b> , 11, 772-779	14
503	Growing faster, longer or both? Modelling plastic response of <i>Juniperus communis</i> growth phenology to climate change. <b>2021</b> , 30, 2229	3
502	Spatiotemporal Variations of Spring Indices in China and Their Physical Mechanisms. <b>2021</b> , 126, e2021JG006356	

- 501 A warmer growing season triggers earlier following spring phenology. 0
- 500 Analysis of changes in *Betula* pollen season start including the cycle of pollen concentration in atmospheric air. **2021**, 16, e0256466
- 499 Climate change and ecological engineering jointly induced vegetation greening in global karst regions from 2001 to 2020. 1 2
- 498 Analysis of the Variability of Floral and Pollen Traits in Apple Cultivars>Selecting Suitable Pollen Donors for Cider Apple Orchards. **2021**, 11, 1717 1
- 497 Surprising roles of climate in regulating flowering phenology in a subtropical ecosystem. **2021**, 44, 1379-1390 1
- 496 Recent trends in the timing of the growing season in New Zealand's natural and semi-natural grasslands. 1-21 3
- 495 Trends and patterns in annually burned forest areas and fire weather across the European boreal zone in the 20th and early 21st centuries. **2021**, 306, 108467 4
- 494 The Dynamic of Vegetation Growth with Regular Climate and Climatic Fluctuations in a Subtropical Mountainous Island, Taiwan. **2021**, 13, 3298 2
- 493 Premature leaf discoloration of European deciduous trees is caused by drought and heat in late spring and cold spells in early fall. **2021**, 307, 108492 5
- 492 Forest wildflowers bloom earlier as Europe warms but not everywhere equally. 0
- 491 Low Repeatability of Breeding Events Reflects Flexibility in Reproductive Timing in the Pied Flycatcher *Ficedula hypoleuca* in Spain. **2021**, 69, 0
- 490 Cultivar-specific responses of sweet cherry flowering to rising temperatures during dormancy. **2021**, 307, 108486 4
- 489 Behavioral Thermoregulation by Mothers Protects Offspring from Global Warming but at a Cost. **2021**, 94, 302-318 1
- 488 Assessment of sal (*Shorea robusta*) forest phenology and its response to climatic variables in India. **2021**, 193, 616 2
- 487 Phenological shifts compensate warming-induced drought stress in southern Siberian Scots pines. 1 3
- 486 Warming during maternal generations delays offspring germination in native and nonnative species. 0
- 485 The International Phenological Garden network (1959 to 2021): its 131 gardens, cloned study species, data archiving, and future. **2021**, 1 0
- 484 Divergent shifts in flowering phenology of herbaceous plants on the warming Qinghai-Tibetan plateau. **2021**, 307, 108502 2

483	Comparing in situ spring phenology and satellite-derived start of season at rural and urban sites in Ireland. <b>2021</b> , 42, 7821-7841		3
482	Late to bed, late to rise-Warmer autumn temperatures delay spring phenology by delaying dormancy. <i>Global Change Biology</i> , <b>2021</b> , 27, 5806-5817	11.4	9
481	The Impact of Global Warming on the Winter Wheat Production of China. <b>2021</b> , 11, 1845		0
480	Phenological shifts induced by climate change amplify drought for broad-leaved trees at low elevations in Switzerland. <b>2021</b> , 307, 108485		4
479	Climatic requirements during dormancy in apple trees from northwestern Spain [Global warming may threaten the cultivation of high-chill cultivars. <b>2021</b> , 130, 126374		2
478	Elevation-dependent growth trends of forests as affected by climate warming in the southeastern Tibetan Plateau. <b>2021</b> , 498, 119551		5
477	Drought changes fruiting phenology, but does not affect seed predation of a keystone palm. <b>2021</b> , 283, 151917		1
476	Flower phenological events and duration pattern is influenced by temperature and elevation in Dhauladhar mountain range of Lesser Himalaya. <b>2021</b> , 129, 107902		4
475	Comparisons of numerical phenology models and machine learning methods on predicting the spring onset of natural vegetation across the Northern Hemisphere. <b>2021</b> , 131, 108126		1
474	Boosting statistical delineation of chill and heat periods in temperate fruit trees through multi-environment observations. <b>2021</b> , 310, 108652		3
473	Impacts of climate change on vegetation phenology and net primary productivity in arid Central Asia. <b>2021</b> , 796, 149055		8
472	Legacy effects of spring phenology on vegetation growth under pre-season meteorological drought in the Northern Hemisphere. <b>2021</b> , 310, 108630		7
471	Substantial shifts in flowering phenology of <i>Sternbergia vernalis</i> in the Himalaya: Supplementing decadal field records with historical and experimental evidences. <b>2021</b> , 795, 148811		5
470	Mediterranean old-growth forests exhibit resistance to climate warming. <b>2021</b> , 801, 149684		3
469	Artificial light pollution inhibits plant phenology advance induced by climate warming. <b>2021</b> , 291, 118110		2
468	Impact of climatic patterns on phenophase and growth of multi-purpose trees of north-western mid-Himalayan ecosystem. <b>2021</b> , 6, 100143		1
467	Climate change impact on plants: Plant responses and adaptations. <b>2022</b> , 1-24		1
466	Climatic regulation of leaf and cambial phenology in <i>Quercus pubescens</i> : Their interlinkage and impact on xylem and phloem conduits. <b>2022</b> , 802, 149968		1

465	Effect of Soil Water Deficit on Growth and Development of Plants: A Review. <b>2021</b> , 393-488	0
464	Study on the dominant climatic driver affecting the changes of LAI of ecological fragile zones in China. <b>2021</b> , 36, 1873	0
463	The timing of leaf senescence relates to flowering phenology and functional traits in 17 herbaceous species along elevational gradients. <b>2021</b> , 109, 1537-1548	2
462	Phenological Response in the Trophic Levels to Climate Change in Korea. <b>2021</b> , 18,	1
461	Forest Phenology as an Indicator of Climate Change: Impact and Mitigation Strategies in India. <b>2021</b> , 185-205	0
460	The new challenge ßustainable production in a changing environment. 417-448	6
459	Challenge for Future Agriculture. 24-43	5
458	Pollen, Allergies and Adaptation. <b>2009</b> , 75-106	8
457	Climatic Drivers of Tree Growth and Recent Recruitment at the Pyrenean Alpine Tree Line Ecotone. <b>2012</b> , 247-269	5
456	Vulnerability of Crop Pollination Ecosystem Services to Climate Change. <b>2020</b> , 223-247	1
455	A Mechanistic View of the Capacity of Forests to Cope with Climate Change. <b>2017</b> , 15-40	3
454	Environmental ImpactsTerrestrial Ecosystems. <b>2016</b> , 341-372	1
453	Gesundheit. <b>2017</b> , 137-149	4
452	Climatic Influences on the Flowering Phenology of Four Eucalypts: A GAMLSS Approach. <b>2010</b> , 209-228	23
451	Implications of Climate Change for Cereal Aphids on the Great Plains of North America. <b>2010</b> , 69-89	8
450	Cecilia ßEC FP6 Project on the Assessment of Climate Change Impacts in Central and Eastern Europe. <b>2010</b> , 125-137	3
449	Management of Threatened, High Conservation Value, Forest Hotspots Under Changing Fire Regimes. <b>2012</b> , 257-291	6
448	Mediterranean Phenology. <b>2013</b> , 173-196	6



447	Phenology at High Latitudes. <b>2013</b> , 225-247	17
446	Plant Phenological Fingerprints <b>2013</b> , 335-350	8
445	Australia and New Zealand. <b>2013</b> , 23-52	4
444	Europe. <b>2013</b> , 53-65	6
443	International Phenological Observation Networks: Concept of IPG and GPM. <b>2013</b> , 137-153	16
442	Forests, Forestry and Climate Change. <b>2014</b> , 241-266	1
441	The Influence of Climate Change on Insect Invasions in Temperate Forest Ecosystems. <b>2014</b> , 267-293	10
440	The Annual Cycle Under Changing Climatic Conditions. <b>2016</b> , 263-335	2
439	Plant Phenology Changes and Climate Change. <b>2007</b> , 1-7	1
438	Climate Change: Flowering Time May Be Shifting in Surprising Ways. <b>2020</b> , 30, R112-R114	3
437	Effect of pre-season diurnal temperature range on the start of vegetation growing season in the Northern Hemisphere. <b>2020</b> , 112, 106161	9
436	A Semiprognostic Phenology Model for Simulating Multidecadal Dynamics of Global Vegetation Leaf Area Index. <b>2020</b> , 12, e2019MS001935	2
435	Plants flowering later on the Tibetan Plateau.	1
434	Increased temperature delays the late-season phenology of multivoltine insect. <b>2016</b> , 6, 38022	13
433	Global warming and plant-pollinator mismatches. <b>2020</b> , 4, 77-86	51
432	Ecophysiological adjustments of a pine forest to enhance early spring activity in hot and dry climate. <b>2020</b> , 15, 114054	2
431	A global synthesis of phenological responses to climate change.	1
430	Genomic analyses provide insights into peach local adaptation and responses to climate change.	1

429	Blue light advances bud burst in branches of three temperate deciduous tree species under short-day conditions.	1
428	Experimental manipulation of nocturnal nest cavity temperature in wild blue tits.	1
427	Effects of forest management on the phenology of early-flowering understory herbs.	1
426	Analyzing Relationship between Satellite-Based Plant Phenology and Temperature. <b>2016</b> , 19, 30-42	0
425	Climate warming prolongs the time interval between leaf-out and flowering in temperate trees: Effects of chilling, forcing and photoperiod. <b>2021</b> , 109, 1319-1330	5
424	Species Favourability Shift in Europe due to Climate Change: A Case Study for <i>Fagus sylvatica</i> L. and <i>Picea abies</i> (L.) Karst. Based on an Ensemble of Climate Models. <b>2013</b> , 2013, 1-18	38
423	Climate effects on the onset of flowering in the United Kingdom. <b>2019</b> , 31,	9
422	Climate change: Does international research fulfill global demands and necessities?. <b>2020</b> , 32, 137	3
421	Airborne Pollen in Europe. <b>2017</b> , 127-162	1
420	Seasonal Dynamics of Phlebotomine Sand Fly Species Proven Vectors of Mediterranean Leishmaniasis Caused by <i>Leishmania infantum</i> . <b>2016</b> , 10, e0004458	115
419	Molecular identification of <i>Leishmania</i> infection in the most relevant sand fly species and in patient skin samples from a cutaneous leishmaniasis focus, in Morocco. <b>2018</b> , 12, e0006315	15
418	Changes to airborne pollen counts across Europe. <b>2012</b> , 7, e34076	226
417	Reassessing the determinants of breeding synchrony in ungulates. <b>2012</b> , 7, e41444	21
416	A space-for-time (SFT) substitution approach to studying historical phenological changes in urban environment. <b>2012</b> , 7, e51260	17
415	Future bloom and blossom frost risk for <i>Malus domestica</i> considering climate model and impact model uncertainties. <b>2013</b> , 8, e75033	36
414	Deciphering the adjustment between environment and life history in annuals: lessons from a geographically-explicit approach in <i>Arabidopsis thaliana</i> . <b>2014</b> , 9, e87836	38
413	Plastic responses to elevated temperature in low and high elevation populations of three grassland species. <b>2014</b> , 9, e98677	23
412	Phenology and productivity of C3 and C4 grasslands in Hawaii. <b>2014</b> , 9, e107396	10

411	Effects of warming on chlorophyll degradation and carbohydrate accumulation of Alpine herbaceous species during plant senescence on the Tibetan Plateau. <b>2014</b> , 9, e107874	37
410	No evidence of the effect of extreme weather events on annual occurrence of four groups of ectothermic species. <b>2014</b> , 9, e110219	12
409	A Range-Expanding Shrub Species Alters Plant Phenological Response to Experimental Warming. <b>2015</b> , 10, e0139029	9
408	Climate Change and Crop Exposure to Adverse Weather: Changes to Frost Risk and Grapevine Flowering Conditions. <b>2015</b> , 10, e0141218	45
407	Seasonality of Leaf and Fig Production in <i>Ficus squamosa</i> , a Fig Tree with Seeds Dispersed by Water. <b>2016</b> , 11, e0152380	3
406	Spring and autumn phenology of Bulgarian and German provenances of Common beech ( <i>Fagus sylvatica</i> L.) under similar climatic conditions. <b>2017</b> , 66, 24-32	2
405	Long-term changes in rice development in Southern Brazil, during the last ten decades. <b>2012</b> , 47, 727-737	3
404	Discerning the Environmental Drivers of Annual Migrations in an Endangered Amphibian. <b>2019</b> , 107, 270	6
403	A Low-Cost, Efficient, and Precise Technique to Quantify Key Life Cycle Events in Nests of Oviparous Reptiles. <b>2019</b> , 53, 302	2
402	The French walnut improvement program: preliminary investigations. <b>2020</b> , 77-84	2
401	A review on studies of effects of climate change on phytoplankton in freshwater systems. <b>2015</b> , 27, 1-10	2
400	Impacts of Climate Change on Biodiversity. <b>2008</b> , 3, 98-104	2
399	Drought Effects on Cotton Yield and Fiber Quality on Different Fruiting Branches. <b>2016</b> , 56, 1265-1276	48
398	Impact of climate change on ivy ( <i>Hedera helix</i> L.) expansion in forests of Central Poland. <b>2019</b> , 61, 211-221	1
397	Nectar and pollen production in ornamental cultivars of <i>Prunus serrulata</i> (Rosaceae). <b>2019</b> , 31, 205-212	1
396	Accelerating Phenology of Apple Trees in Japan as Influenced by Rising Air Temperature. <b>2007</b> , 63, 185-191	3
395	Klimawandel und der Einfluss auf die Frühlingsphänologie   Climate change and its influence on spring phenology. <b>2007</b> , 158, 105-111	8
394	Assessing the Influence of a Range of Spring Meteorological Parameters on Tree Phenology. <b>2013</b> , 113, 1-10	4

393	Drivers of population variability in phenological responses to climate change in Japanese birds. <b>2012</b> , 54, 95-112	9
392	Surviving in a warmer world: environmental and genetic responses. <b>2012</b> , 53, 245-262	40
391	Modelling the impact of climate change on the productivity and water-use efficiency of a central European beech forest. <b>2013</b> , 58, 81-95	27
390	Shifts in spring phenophases, frost events and frost risk for woody plants in temperate China. <b>2013</b> , 57, 249-258	12
389	Potential climate change impacts on winegrape must density and titratable acidity in southwest Germany. <b>2014</b> , 59, 161-172	6
388	Ecological and life history correlates of changes in avian migration timing in response to climate change. <b>2014</b> , 61, 109-121	15
387	Linking phenological shifts to demographic change. <b>2015</b> , 63, 135-144	8
386	Influence of atmospheric teleconnection patterns on airborne pollen levels in the NE Iberian Peninsula. <b>2015</b> , 66, 171-183	3
385	Forecasting bark beetle early flight activity with plant phenology. <b>2015</b> , 66, 161-170	3
384	Effect of phenological change in ornamental plants on the dates of spring outings to popular locations, Beijing, China. <b>2017</b> , 72, 177-182	2
383	Effects of temperature on the recruitment phenology and niche overlap of shallow epifaunal assemblages in southern New England. <b>2013</b> , 489, 61-74	5
382	Relative Contribution of Growing Season Length and Amplitude to Long-Term Trend and Interannual Variability of Vegetation Productivity over Northeast China. <b>2020</b> , 11, 112	4
381	Impact of climate change in 1981-2009 on winter wheat phenology in the North China Plain. <b>2013</b> , 20, 1539-1545	11
380	Differences in response of desert plants of different ecotypes to climate warming: a case study in Minqin, Northwest China. <b>2012</b> , 4, 140-150	5
379	Simulations of phenology in alpine grassland communities in Damxung, Xizang, based on digital camera images. <b>2013</b> , 36, 1125-1135	5
378	Influence of tree water potential in inducing flowering in <i>Rhododendron arboreum</i> in the central Himalayan region. <b>2016</b> , 9, 842-846	8
377	Predicting phenology of European beech in forest habitats. <b>2018</b> , 11, 41-47	1
376	Impact des changements climatiques sur les écosystèmes alpins: comment les mettre en évidence et les prévoir?. <b>2010</b> ,	2

375	Impact of climatic change on alpine ecosystems: inference and prediction. <b>2010</b> ,	2
374	Distinct Global Patterns of Strong Positive and Negative Shifts of Seasons over the Last 6 Decades. <b>2012</b> , 02, 76-88	5
373	Linking Climate Variables with <i>Tuber borchii</i> Sporocarps Production. <b>2014</b> , 05, 408-418	7
372	COST725 Establishing a European phenological data platform for climatological applications: major results. <b>2009</b> , 3, 119-122	7
371	Average rate of phenological changes in Poland according to climatic changes Evaluation and mapping. <b>2009</b> , 3, 127-131	7
370	Phenology as a strategy for carbon optimality: a global model.	2
369	Comparing the impacts of 2003 and 2010 heatwaves in NPP over Europe.	6
368	Trend and climatic sensitivity of vegetation phenology in semiarid and arid ecosystems in the US Great Basin during 1982-2011.	4
367	Modelling anomalies in the spring and autumn land surface phenology of the European forest.	3
366	Interpreting canopy development and physiology using the EUROPhen camera network at flux sites.	12
365	Changes in alpine plant growth under future climate conditions.	4
364	Environmental controls on carbon fluxes over three grassland ecosystems in China.	2
363	Towards the use of dynamic growing seasons in a chemical transport model.	1
362	Global-scale pattern of peatland <i>Sphagnum</i> growth driven by photosynthetically active radiation and growing season length.	6
361	On the uncertainty of phenological responses to climate change and its implication for terrestrial biosphere models.	7
360	Inter-annual and seasonal trends of vegetation condition in the Upper Blue Nile (Abbay) basin: dual scale time series analysis.	1
359	The BernClim plant phenological data set from the canton of Bern (Switzerland) 1970-2018. <b>2019</b> , 11, 1645-1654	2
358	Prediction of the Flight Times of <i>Hydrochara affinis</i> and <i>Sternolophus rufipes</i> in Paddy Fields Based on RCP 8.5 Scenario. <b>2016</b> , 18, 16-29	4

357	Remote sensing captures varying temporal patterns of vegetation between human-altered and natural landscapes. <b>2015</b> , 3, e1141	18
356	Asymmetric responses to simulated global warming by populations of along a latitudinal gradient. <b>2017</b> , 5, e3718	12
355	Coping with Climate Change by Using Indigenous Knowledge of Ethnic Communities from in and around Lawachara National Park of Bangladesh. <b>2013</b> , 29, 181-193	6
354	Ch. 1: Our Globally Changing Climate. Climate Science Special Report: Fourth National Climate Assessment, Volume I. <b>2017</b> ,	26
353	Chapter 18 : Northeast. Impacts, Risks, and Adaptation in the United States: The Fourth National Climate Assessment, Volume II. <b>2018</b> ,	15
352	Complementary Differences in Primary Production and Phenology among Vegetation Types Increase Ecosystem Resilience to Climate Change and Grazing Pressure in an Iconic Mediterranean Ecosystem. <b>2021</b> , 13, 3920	1
351	Spring and autumn phenologySpring and autumn phenology in an understory herb are uncorrelated and driven by different factors. <b>2021</b> ,	0
350	Atmospheric Warming-Associated Phenological Earliness Does Not Increase the Length of Growing Season in Himalayan Trees.	2
349	Improving phenology predictions for sparsely observed species through fusion of botanical collections and citizen-science. <b>2021</b> , 2, 100032	0
348	Millipedes step up: species extend their upper elevational limit in the Alps in response to climate warming.	1
347	Climate Effects on Vertical Forest Phenology of <i>Fagus sylvatica</i> L., Sensed by Sentinel-2, Time Lapse Camera, and Visual Ground Observations. <b>2021</b> , 13, 3982	1
346	Rules of Plant Species Ranges: Applications for Conservation Strategies. <b>2021</b> , 9,	3
345	Aeroallergens and Climate Change in Tulsa, Oklahoma: Long-Term Trends in the South Central United States.. <b>2021</b> , 2, 726445	0
344	Region-specific phenological sensitivities and rates of climate warming generate divergent temporal shifts in flowering date across a species' range. <b>2021</b> , 108, 1873-1888	3
343	Anatomical tree-ring chronologies and seasonal patterns of cambial dynamics are valuable indicators of tree performance of two oak species at the Atlantic-Mediterranean boundary. <b>2021</b> , 70, 125893	1
342	Warming world altering thousands of natural systems.	
341	Encyclopedia of Complexity and Systems Science. <b>2009</b> , 1095-1104	
340	Process-based simulation of seasonality and drought stress in monoterpene emission models.	

- 339 Trends in flowering date of Japanese apricot (*Prunus mume* Sieb. et Zucc.) between 1961 and 2007. **2010**, 66, 279-288 2
- 338 Climate ChangeClimate change impact on human health and Human HealthHuman health climate change. **2011**, 52-65
- 337 Cascading climate effects and related ecological consequences during past centuries. 1
- 336 Constraints from atmospheric CO<sub>2</sub> and satellite-based vegetation activity observations on current land carbon cycle trends. 1
- 335 The Response of Flowering Phenology and Growth of *Viburnum* to Interannual Weather Fluctuation in an Introduction habitat. **2013**, 47, 645-653
- 334 Canopies and Climate Change. **2013**, 113-118
- 333 Preliminary Analysis on Phenological Data of Plants in an Urban Environment. **2013**, 211-224
- 332 Responses of Insect Pests to Climate Change: Effects and Interactions of Temperature, CO<sub>2</sub>, and Soil Quality. **2013**, 115-130
- 331 Short-term cropland responses to temperature extreme events during late winter.
- 330 Potential Effects of Climate Changes on the Marine Ecosystem Stability. **2013**, 1-42
- 329 Temporal and spatial variations in budding and leaf coloring dates of *Ginkgo biloba* in Japan. **2014**, 14, 57-70
- 328 CO<sub>2</sub> makes growing seasons longer.
- 327 Monitoramento do ecossistema manguezal: fenologia reprodutiva. 81-86
- 326 Guidelines for Evaluating Mobile Applications: A Semiotic-Informed Approach. **2015**, 529-554
- 325 Selective Reporting and the Social Cost of Carbon. 1
- 324 Allergie und Umwelt. **2016**, 435-443
- 323 Plant Responses to Elevated Temperatures: A Field Study on Phenological Sensitivity and Fitness Responses to Simulated Climate Warming. **2016**, 13-31
- 322 Biodiversität **2017**, 151-160

- 321 Phenological responses to multiple environmental drivers under climate change: insights from a long-term observational study and a manipulative field experiment.
- 320 Measuring trees in 3D: what lasers can reveal about our forests. **2017**, 102, 132-140
- 319 Temperature variability between 1951 and 2014 in Germany and associated evolution of apple bloom onset. **2018**, 15, 1-21
- 318 Vergangene und aktuelle ökologische Veränderungen. **2018**, 259-291 1
- 317 Terrestrische und semiterrestrische Ökosysteme. **2018**, 109-145
- 316 Impacts of climate on technical efficiency in the Hungarian arable sector. **2018**, 120, 41-46 0
- 315 Four decades of plant community change along a continental gradient of warming.
- 314 Effects of two centuries of global environmental variation on phenology and physiology of *Arabidopsis thaliana*. 1
- 313 Ex Situ Conservation Case Study Croatia. **2019**, 259-269
- 312 The Climate Change and Air Pollution. **2019**, 203-226
- 311 Temperate Waldzone. **2019**, 183-238
- 310 Himalayan Biodiversity in the Face of Climate Change. **2019**, 263-277 2
- 309 Weather and Climate Impacts on Browsing and Grazing Ungulates. **2019**, 197-213 1
- 308 Adaptation to drought is coupled with slow growth in marginal silver fir (*Abies alba* Mill.) populations. 0
- 307 From bud formation to flowering: transcriptomic state defines the cherry developmental phases of sweet cherry bud dormancy. 0
- 306 Relationship Between Phenological and Meteorological Data as an Important Input Into Spring Barley Phenological Model. **2019**, 67, 679-688 1
- 305 Transcriptomics of thermal stress response in corals. 100028
- 304 Climatic sensitivity of species vegetative and reproductive phenology in a Hawaiian montane wet forest. 1



- 303 Zero Hunger. **2020**, 1-11
- 302 The Impact of Climate Change in Hindu Kush Himalayas: Key Sustainability Issues. **2020**, 453-472 0
- 301 Responses of Phenology by Climate Warming on Korean Peninsular in the Past Three Decades. **2019**, 10, 437-446
- 300 Arpa Fidelerinde Bazı Abiyotik Faktörlere Karşı Çiçku ile İndirilen Stres Toleransı Klorofil a Floresans Tekniği ile Değerlendirilmesi.
- 299 Foreword to Chapter Six. **2020**, 147-152
- 298 Climate Change and Vegetation Phenology. **2020**, 25-39 1
- 297 Climatic sensitivity of species vegetative and reproductive phenology in a Hawaiian montane wet forest. **2020**, 52, 825-835 0
- 296 Morphological and phenological shifts in the *Plantago lanceolata* L. species as linked to climate change over the past 100 years. **2020**, 19, 293-305
- 295 A technique for detecting and attributing changes in species distributions to climate change over time. **2020**, 18, 110-126
- 294 The French walnut improvement program: preliminary investigations. **2020**, 77-84
- 293 Using Citizen Science to build baseline data on tropical tree phenology.
- 292 Changes in spring arrival dates of Central European bird species over the past 100 years. **2020**, 66, 2
- 291 Meteorological Variables That Affect the Beginning of Flowering of the Winter Oilseed Rape in the Czech Republic. **2021**, 12, 1444 2
- 290 Determination of Net Water Requirement of Crops and Gardens in Order to Optimize the Management of Water Demand in Agricultural Sector. **2020**, 331-360 1
- 289 Effects of climatic warming on spring phenology in subtropical trees: process-based modelling with experiments designed for model development.
- 288 Viticulture as a Climate Proxy for the Roman World? Global Warming as a Comparative Framework for Interpreting the Ancient Source Material in Italy and the West (ca. 200 BC-200 AD). **2021**, 443-484
- 287 The realised velocity of climate change reveals remarkable idiosyncrasy of species distributional shifts.
- 286 Zonal Vegetation of the Humid Nemoral (Cool-Temperate) Zone. **2020**, 599-693 0

- 285 Towards Confirmable Automated Plant Cover Determination. **2020**, 312-329 1
- 284 Role of Global Climate Change in Crop Yield Reductions. **2020**, 87-113
- 283 Impact of Climate Change on Postharvest Physiology of Edible Plant Products. **2020**, 87-115 0
- 282 Zero Hunger. **2020**, 52-62
- 281 Impact of Climate Change on Migratory Birds in Asia. **2021**, 29, 1
- 280 How does a wetland plant respond to increasing temperature along a latitudinal gradient?. **2021**, 11, 16228-16238 0
- 279 Decreasing Water Availability as a Threat for Traditional Irrigation-Based Land-Use Systems in the Mustang Himalaya/Nepal. **2022**, 253-266
- 278 An overview on isotopic divergences [causes for instability of tree-ring isotopes and climate correlations. **2020**, 16, 1223-1243 4
- 277 Literatur. **2008**, 233-252
- 276 Shifts in the thermal niche of fruit trees under climate change: the case of peach cultivation in France.
- 275 A survey of proximal methods for monitoring leaf phenology in temperate deciduous forests.
- 274 The Environment. **2021**, 115-199
- 273 Global Warming and the Effects of Climate Change on Coffee Production. **2021**, 65-100 1
- 272 Exploring Grapevine Phenology and High Temperatures Response Under Controlled Conditions. 8, 1
- 271 The Climate Change and Air Pollution. **2022**, 199-217
- 270 Lengthened flowering season under climate warming: Evidence from manipulative experiments. **2022**, 312, 108713 1
- 269 Effects of chilling on heat requirement of spring phenology vary between years. **2022**, 312, 108718 2
- 268 Growth and response patterns of *Picea crassifolia* and *Pinus tabuliformis* to climate factors in the Qilian Mountains, northwest China. **2022**, 71, 125905 0

- 267 Applying ensemble learning in ecophysiological models to predict spring phenology. **2022**, 505, 119911 0
- 266 Multi-year monitoring land surface phenology in relation to climatic variables using MODIS-NDVI time-series in Mediterranean forest, Northeast Tunisia. **2022**, 114, 103804 1
- 265 Get up early: Revealing behavioral responses of sandeel to ocean warming using commercial catch data.. **2021**, 11, 16786-16805 0
- 264 Herbaria Reveal Herbivory and Pathogen Increases and Shifts in Senescence for Northeastern United States Maples Over 150 Years. **2021**, 4, 1
- 263 Warm-night temperature alters paternal allocation strategy in a North temperate-zone butterfly.. **2021**, 11, 16514-16523 1
- 262 Community phenology of insects on oak: local differentiation along a climatic gradient. **2021**, 12, 1
- 261 Menschliche Gesundheit in der Klimakrise: Betroffenheit, Verantwortung und Chancen. **2021**, 49-74 1
- 260 Phenological response to temperature variability and orography in Central Italy. **2021**, 66, 71 1
- 259 Seasonal ecosystem vulnerability to climatic anomalies in the Mediterranean. **2021**, 18, 5903-5927 0
- 258 Habitat characteristics and climatic factors influence microhabitat selection and arthropod community structure in a globally rare central Appalachian shale barren.. **2021**, 11, 18169-18180 1
- 257 Climate causes shifts in grey seal phenology by modifying age structure. **2021**, 288, 20212284 1
- 256 Consistent Temperature-Dependent Patterns of Leaf Lifespan Across Spatial and Temporal Gradients for Deciduous Trees in Europe. 1
- 255 Differential Effects of Winter and Spring Warming on Flowering Phenology of Cherry Trees Across a Latitudinal Gradient. 1
- 254 Phenological advance in the South African Namaqualand Daisy First and Peak Bloom: 1935-2018.. **2022**, 66, 699 1
- 253 Seasonal changes in nitrate assimilation of boreal woody species: importance of the leaf-expansion period. 1
- 252 Greater temperature sensitivity of vegetation greenup onset date in areas with weaker temperature seasonality across the Northern Hemisphere. **2022**, 313, 108759 1
- 251 Freeze/thaw onset detection combining SMAP and ASCAT data over Alaska: A machine learning approach. **2022**, 605, 127354 0
- 250 Exploring Populus phenological response to climate change using observational data and ecosystem modelling. **2022**, 314, 108766 1

- 249 Greenup dates change across a temperate forest-grassland ecotone in northeastern China driven by spring temperature and tree cover. **2022**, 314, 108780 1
- 248 Spring phenology in subtropical trees: Developing process-based models on an experimental basis. **2022**, 314, 108802 0
- 247 Estimation of Chill, Heat for Spring Phases, and Phenological Stability of Peach in Argentine Environments. 1
- 246 First fossil evidence of *Hylodesmum palaeoglutinosum* from India and comments on its extinction from the subcontinent. 1-15 1
- 245 Nutrient Analysis and Species Diversity of Alpine Grasslands: A Comparative Analysis of Less Studied Biodiversity Hotspots. **2022**, 14, 887 0
- 244 Plant Phenology and Its Anthropogenic and Natural Influencing Factors in Densely Populated Areas During the Economic Transition Period of China. **2022**, 9, 1 1
- 243 Sensitivity of Green-Up Date to Meteorological Indicators in Hulun Buir Grasslands of China. **2022**, 14, 670 0
- 242 Role of Homestead Forests in Adaptation to Climate Change: A Study on Households' Perceptions and Relevant Factors in Bandarban Hill District, Bangladesh.. **2022**, 1 1
- 241 Evolution of Potential Spatial Distribution Patterns of *Carex* Tussock Wetlands Under Climate Change Scenarios, Northeast China. **2022**, 32, 142-154 0
- 240 Detection of Multidecadal Changes in Vegetation Dynamics and Association with Intra-Annual Climate Variability in the Columbia River Basin. **2022**, 14, 569 1
- 239 Herbivory in a changing climate-Effects of plant genotype and experimentally induced variation in plant phenology on two summer-active lepidopteran herbivores and one fungal pathogen.. **2022**, 12, e8495 0
- 238 Use of local climate zones to assess the spatiotemporal variations of urban vegetation phenology in Austin, Texas, USA. **2022**, 59, 393-409 1
- 237 Southern hemisphere plants show more delays than advances in flowering phenology. 1 1
- 236 Arctic warming-induced cold damage to East Asian terrestrial ecosystems. **2022**, 3, 1 2
- 235 Effects of a warming gradient on reproductive phenology of *Stipa breviflora* in a desert steppe. **2022**, 136, 108590 1
- 234 Earlier snowmelt predominates advanced spring vegetation greenup in Alaska. **2022**, 315, 108828 3
- 233 NIRv and SIF better estimate phenology than NDVI and EVI: Effects of spring and autumn phenology on ecosystem production of planted forests. **2022**, 315, 108819 2
- 232 The effect of temperature on grapevine phenological intervals: Sensitivity of budburst to flowering. **2022**, 315, 108841 2

- 231 What leads to rubber leaf senescence in the northern edge of the Asian tropics?. **2022**, 178, 114617
- 230 Consistent temperature-dependent patterns of leaf lifespan across spatial and temporal gradients for deciduous trees in Europe.. **2022**, 820, 153175 0
- 229 Resident bird species track inter-annual variation in spring phenology better than long-distance migrants in a subalpine habitat. **2022**, 3, 100050
- 228 Earth Observation for Phenological Metrics (EO4PM): Temporal Discriminant to Characterize Forest Ecosystems. **2022**, 14, 721 1
- 227 High autumn temperatures increase the depth of bud dormancy in the subtropical *Torreya grandis* and *Carya illinoensis* and delay leaf senescence in the deciduous *Carya*. 1 0
- 226 Microclimate-driven trends in spring-emergence phenology in a temperate reptile (*Lacerta*): Evidence for a potential "climate trap"?. **2022**, 12, e8623 1
- 225 Deciphering the multiple effects of climate warming on the temporal shift of leaf unfolding. **2022**, 12, 193-199 1
- 224 Priority effects determine how dispersal affects biodiversity in seasonal metacommunities. 0
- 223 Aplikace fenologických pozorování v aplikovaném krajinné ekologii. **2021**,
- 222 Remote Sensing of Seasonal Variation of *Lai* and *Fapar* in a Deciduous Broadleaf Forest.
- 221 Heat Stress in Wheat: Impact and Management Strategies Towards Climate Resilience. **2022**, 199-214
- 220 Accelerated Growth Rates of Norway Spruce and European Beech Saplings from Europe's Temperate Primary Forests Related to Warmer Conditions.
- 219 Effect of Low Temperature Stress on Photosynthesis and Allied Traits: A Review. **2022**, 199-297 0
- 218 Climate Warming-Induced Changes in Plant Phenology in the Most Important Agricultural Region of Romania. **2022**, 14, 2776 0
- 217 Higher temperature sensitivity of flowering than leaf-out alters the time between phenophases across temperate tree species. **2022**, 31, 901-911 1
- 216 Assessment of phenology, growth characteristics and berry composition in a hot Australian climate to identify wine cultivars adapted to climate change. **2022**, 28, 255-275 2
- 215 Decreasing rainfall frequency contributes to earlier leaf onset in northern ecosystems. **2022**, 12, 386-392 2
- 214 CLIMATIC PREREQUISITES FOR NATURALIZATION OF *MAGNOLIA SIEBOLDII* S.L. IN RUSSIA. **2022**, 15, 31-40 1

- 213 Strong impact of temperature and resource specialisation on patterns of voltinism within an oak-associated insect community. 0
- 212 An earlier start of the thermal growing season enhances tree growth in cold humid areas but not in dry areas.. **2022**, 5
- 211 Vegetation Browning Trends in Spring and Autumn over Xinjiang, China, during the Warming Hiatus. **2022**, 14, 1298 0
- 210 Dynamics of seasonal changes in introduced plants in Eastern Transbaikalia. **2022**, 15, 46-52
- 209 'Fly to a Safer North': Distributional Shifts of the Orchid *L.* Due to Climate Change.. **2022**, 11, 1
- 208 Radial Stem Growth of the Clonal Shrub *Alnus alnobetula* at Treeline Is Constrained by Summer Temperature and Winter Desiccation and Differs in Carbon Allocation Strategy Compared to Co-Occurring *Pinus cembra*. **2022**, 13, 440 1
- 207 A comparison of herbarium and citizen science phenology datasets for detecting response of flowering time to climate change in Denmark.. **2022**, 1
- 206 The role of floral traits in community assembly process at high elevations in Lesser Himalaya.
- 205 Deficiencies of Phenology Models in Simulating Spatial and Temporal Variations in Temperate Spring Leaf Phenology. **2022**, 127, 0
- 204 Reproductive phenological shifts and other phylogenetic trait changes in the Arbutioideae (Ericaceae) in the context of drought, seed predation, and fire. **2022**, 100, 387-399 1
- 203 Effect of climatic conditions on the productive and biochemical characteristics of grape varieties grown on sierozem soil. **2022**, 11, 174-183
- 202 Science and management advancements made possible by the USA National Phenology Network's Nature's Notebook platform. 0
- 201 Responses of spring leaf phenological and functional traits of two urban tree species to air warming and/or elevated ozone.. **2022**, 179, 158-167 1
- 200 Impact of climate change-induced alterations in peatland vegetation phenology and composition on carbon balance.. **2022**, 154294 8
- 199 Climate Warming Increased Spring Leaf-Out Variation Across Temperate Trees in China. **2021**, 4, 0
- 198 PHENOLOGY OF ANNUAL DORMANCY RELEASE AND ITS ASSOCIATION WITH FRUIT SET OF *DIRCA OCCIDENTALIS* (THYMELAEACEAE). **2021**, 68, 0
- 197 A cross-scale approach to unravel the molecular basis of plant phenology in temperate and tropical climates. **2021**, 0
- 196 Recent changes in the climate-growth response of European larch (*Larix decidua* Mill.) in the Polish Sudetes. **2022**, 36, 803-817

195	Physiology and acclimation potential are tuned with phenology in larvae of a prolonged breeder amphibian. <b>2022</b> , 2022,	0
194	A Mechanistic Framework for Understanding the Effects of Climate Change on the Link Between Flowering and Fruiting Phenology. <b>2021</b> , 9,	1
193	Mapping Seasonality and Rural Production from a Geohistorical Perspective: The Ripening Time Registry of the Grand Duchy of Tuscany (Nineteenth Century, Italy). <b>2021</b> , 56, 284-302	
192	GROWTH RESPONSES OF LASTHENIA GRACILIS TO SIMULATED DROUGHT. <b>2021</b> , 68,	1
191	Data Mining Methods to Detect Airborne Pollen of Spring Flowering Arboreal Taxa. <b>2021</b> , 12, 1801	0
190	Assessing the Effects of Time Interpolation of NDVI Composites on Phenology Trend Estimation. <b>2021</b> , 13, 5018	1
189	BUDBURST TIMING OF VALLEY OAKS AT HASTINGS RESERVATION, CENTRAL COASTAL CALIFORNIA. <b>2021</b> , 68,	0
188	ABSENCE OF FLOWERING SHIFTS IN ARCTOSTAPHYLOS AND CEANOTHUS OVER THE PAST CENTURY OF CLIMATE WARMING. <b>2021</b> , 68,	1
187	Site index as a predictor of the effect of climate warming on boreal tree growth. <i>Global Change Biology</i> , <b>2021</b> ,	11.4 0
186	Trends and Climate Response in the Phenology of Crops in Northeast China. <b>2021</b> , 9,	0
185	Variability of Phenological Behaviours of Wild Fruit Tree Species Based on Discriminant Analysis.. <b>2021</b> , 11,	3
184	Ecology and potential functions of plant-associated microbial communities in cold environments.. <b>2021</b> ,	1
183	Biosphere-atmosphere exchange of CO <sub>2</sub> and CH <sub>4</sub> in mangrove forests and salt marshes. <b>2022</b> , 93-132	
182	Artificial light at night: an under-appreciated effect on phenology of deciduous woody plants.	1
181	Changes in temperature alter competitive interactions and overall structure of fig wasp communities.. <b>2022</b> ,	2
180	Genetic solutions through breeding counteract climate change and secure barley production in Australia. <b>2022</b> , 1, 100001	
179	Carbon cycle climate feedbacks. 489-519	
178	Evapotranspiration. 292-344	1

177 Data\_Sheet\_1.PDF. **2020**,

176 Data\_Sheet\_2.ZIP. **2020**,

175 Data\_Sheet\_3.ZIP. **2020**,

174 Data\_Sheet\_4.ZIP. **2020**,

173 Table\_1.DOCX. **2018**,

172 Data\_Sheet\_1.PDF. **2019**,

171 Data\_Sheet\_2.PDF. **2019**,

170 Data\_Sheet\_3.pdf. **2019**,

169 Data\_Sheet\_4.PDF. **2019**,

168 Data\_Sheet\_5.PDF. **2019**,

167 Image1.JPEG. **2018**,

166 Image2.JPEG. **2018**,

165 Image3.JPEG. **2018**,

164 Image4.JPEG. **2018**,

163 Image5.JPEG. **2018**,

162 Image6.JPEG. **2018**,

161 Table1.DOCX. **2018**,

160 Table2.DOCX. **2018**,



159 Table3.DOCX. 2018,

158 Data\_Sheet\_1.pdf. 2018,

157 Image\_1.pdf. 2018,

156 Data\_Sheet\_1.pdf. 2019,

155 DataSheet\_1.docx. 2020,

154 DataSheet\_2.docx. 2020,

153 Image\_1.pdf. 2020,

152 Image\_2.pdf. 2020,

151 Image\_3.pdf. 2020,

150 Image\_4.pdf. 2020,

149 Image\_5.pdf. 2020,

148 Image\_6.pdf. 2020,

147 Image\_7.pdf. 2020,

146 Image\_8.pdf. 2020,

145 Table\_1.docx. 2020,

144 Table\_2.docx. 2020,

143 DataSheet\_1.xlsx. 2020,

142 DataSheet\_2.docx. 2020,

- 141 DataSheet\_1.pdf. **2019**,
- 140 DataSheet\_1.pdf. **2020**,
- 139 DataSheet\_2.csv. **2020**,
- 138 Impacts of climate change on reproductive phenology in tropical rainforests of Southeast Asia.. **2022**, 5, 311 2
- 137 ??????????????????????. **2022**,
- 136 Characterising the Land Surface Phenology of Middle Eastern Countries Using Moderate Resolution Landsat Data. **2022**, 14, 2136 1
- 135 Forest wildflowers bloom earlier as Europe warms: lessons from herbaria and spatial modelling.. **2022**, 0
- 134 Climate warming shifts the time interval between flowering and leaf unfolding depending on the warming period.. **2022**, 1 1
- 133 Variability in Arrival Time of White Storks (*Ciconia ciconia* L.): Impact of Age, Interindividual Variation, and Global Change. **2022**, 10, 0
- 132 Experimental throughfall reduction has little effect on shoot and needle developmental patterns or leaf area dynamics in a young longleaf pine (*Pinus palustris* Mill.) plantation. **2022**, 517, 120246
- 131 ~~XXXXXXXXXX~~ **2019**,
- 130 Preseason drought controls on patterns of spring phenology in grasslands of the Mongolian Plateau.. **2022**, 156018 1
- 129 Changes in waterfowl migration phenologies in central North America: Implications for future waterfowl conservation.. **2022**, 17, e0266785
- 128 Climate Variation Influences Flowering Time Overlap in a Pair of Hybridizing Montane Plants. **2022**, 82, 0
- 127 Integrating experiments to predict interactive cue effects on spring phenology with warming. 0
- 126 Stronger Spring Phenological Advance in Future Warming Scenarios for Temperate Species With a Lower Chilling Sensitivity. **2022**, 13, 1
- 125 A molecular phenology scale of fruit development. 0
- 124 Detection and attribution of long-term and fine-scale changes in spring phenology over urban areas: A case study in New York State. **2022**, 110, 102815 0

123	Investigation of roost composition of passerine birds in different environmental conditions. 82,	
122	Responses of vegetation phenology to the asymmetric changes of temperature in daytime and nighttime in the north of 20°N.	○
121	With Warming, Spring Streamflow Peaks are More Coupled with Vegetation Green-up than Snowmelt in the Northeastern United States.	○
120	Drivers of decadal carbon fluxes across temperate ecosystems.	
119	Evaluation of CMIP6 models in the representation of observed extreme temperature indices trends in South America. <b>2022</b> , 172,	○
118	Phenological trajectories of Caribbean very dry tropical forests diverge under different geologic formations.	○
117	Unusually warm winter seasons may compromise the performance of current phenology models □ Predicting bloom dates in young apple trees with PhenoFlex. <b>2022</b> , 322, 109020	
116	Evaluation of the frost tolerance of Hungarian-bred walnut cultivars. <b>2022</b> , 2, 163-170	
115	Arid and semiarid rangeland responses to non-stationary temporal dynamics of environmental drivers. <b>2022</b> , 100796	
114	Projection of changes in late spring frost based on CMIP6 models and SSP scenarios over cold regions of Iran.	○
113	Climatic Prerequisites for the Naturalization of <i>Magnolia sieboldii</i> s.l. in Russia. <b>2022</b> , 13, 182-190	○
112	Climate change is associated with increased allocation to potential outcrossing in a common mixed mating species.	○
111	Spatiotemporal Heterogeneity of Autumn Phenology Responses to Preseason Drought and Temperature by Grasslands in Cold and Arid Areas of China.	○
110	Effect of rainfall variability on tree phenology in moist tropical deciduous forests. <b>2022</b> , 194,	○
109	Warming-induced increase in carbon uptake is linked to earlier spring phenology in temperate and boreal forests. <b>2022</b> , 13,	1
108	Effects of Vegetation Phenology on Ecosystem Water Use Efficiency in a Semiarid Region of Northern China. 13,	○
107	Spring and Autumn Phenology in Sessile Oak ( <i>Quercus petraea</i> ) Near the Eastern Limit of Its Distribution Range. <b>2022</b> , 13, 1125	2
106	Estimating plant-insect interactions under climate change with limited data. <b>2022</b> , 12,	○

- 105 The Flowering of Black Locust (*Robinia pseudoacacia* L.) in Italy: A Phenology Modeling Approach. **2022**, 12, 1623 ○
- 104 Stomatal Limitation Is Able to Modulate Leaf Coloration Onset of Temperate Deciduous Tree. **2022**, 13, 1099
- 103 The Sensitivity of Vegetation Dynamics to Climate Change across the Tibetan Plateau. **2022**, 13, 1112 ○
- 102 Evaluation of Walnut Tree Flowering and Frost Occurrence Probability During 1961-2012. **2022**, 70, 235-247
- 101 New directions in tropical phenology. **2022**, 37, 683-693 ○
- 100 Long-term flowering intensity of European tree species under the influence of climatic and resource dynamic variables. **2022**, 323, 109074
- 99 Flowering cues in a Costa Rican cloud forest: analyzing the effect of climate.
- 98 Modeling the effect of adaptation to future climate change on spring phenological trend of European beech (*Fagus sylvatica* L.). **2022**, 846, 157540 1
- 97 Development of a Nocturnal Temperature Inversion in a Small Basin Associated with Leaf Area Ratio Changes on the Mountain Slopes in Central Japan. **2022**, 1 1
- 96 Detecting Mountain Forest Dynamics in the Eastern Himalayas. **2022**, 14, 3638
- 95 Influences of Seasonal Soil Moisture and Temperature on Vegetation Phenology in the Qilian Mountains. **2022**, 14, 3645 ○
- 94 Assessment of Changing Agroclimatic Conditions in Poland Based on Selected Indicators. **2022**, 13, 1232 ○
- 93 Diverse variations in middle and high latitudes of the Northern Hemisphere spring phenology sensitivity to diurnal temperature during 1982–2015.
- 92 Science and Management Advancements Made Possible by the USA National Phenology Network's Nature's Notebook Platform. **2022**, 72, 908-920 ○
- 91 Citizen science helps predictions of climate change impact on flowering phenology: A study on *Anemone nemorosa*. **2022**, 325, 109133 1
- 90 Warming reduced flowering synchrony and extended community flowering season in an alpine meadow on the Tibetan Plateau. ○
- 89 Spring onset and seasonality patterns during the Late Glacial period in the eastern Baltic region. **2022**, 18, 2143-2153 ○
- 88 Association of spring phenological traits with phylogeny and adaptation to native climate in temperate plant species in Northeast China. **2022**, 143, 109381 ○

87	The management of plants and their impact on monuments in historic gardens: Current threats and solutions. <b>2022</b> , 76, 127727	1
86	Phenology of Photosynthesis in a Deciduous Broadleaf Forest: Implications for the Carbon Cycle in a Changing Environment. <b>2022</b> , 3-27	0
85	Temperature during Seed Maturation Influences Timing of Bud Burst in Seedlings and Saplings of <i>Prunus padus</i> . <b>2022</b> , 13, 1362	1
84	Wildflower phenological escape differs by continent and spring temperature.	0
83	Base Temperature Comparisons for Leafing Date, Pistillate Flower Receptivity, and Pollen Shedding in Persian Walnut.	0
82	Breaking the Ecosystem Balance Over the Tibetan Plateau. <b>2022</b> , 10,	0
81	Assisted migration is plausible for a boreal tree species under climate change: A quantitative and population genetics study of trembling aspen ( <i>Populus tremuloides</i> Michx.) in western Canada. <b>2022</b> , 12,	0
80	Lengthening height-growth duration in Smith fir as onset becomes more synchronous across elevations under climate warming scenarios. <b>2022</b> , 326, 109193	1
79	Modelling <i>Fagus sylvatica</i> stem growth along a wide thermal gradient in Italy by incorporating dendroclimatic classification and land surface phenology metrics.	0
78	Climate change related phenological decoupling in species belonging to the Betulaceae family.	0
77	Can the extinction risk of Irish vascular plants be predicted using leaf traits?.	0
76	Towards an Automated Approach for Monitoring Tree Phenology Using Vehicle Dashcams in Urban Environments. <b>2022</b> , 22, 7672	0
75	Continuous increase in evaporative demand shortens the growing season of European ecosystems in the last decade.	0
74	Radiation-constrained boundaries cause nonuniform responses of the carbon uptake phenology to climatic warming in the Northern Hemisphere.	1
73	A regionally coherent ecological fingerprint of climate change, evidenced from natural history collections. <b>2022</b> , 12,	0
72	Wood growth phenology and its relationship with leaf phenology in deciduous forest trees of the temperate zone of Western Europe. <b>2022</b> , 327, 109229	0
71	An optimal method for validating satellite-derived land surface phenology using in-situ observations from national phenology networks. <b>2022</b> , 194, 74-90	0
70	Evergreen and deciduous tree species show distinct strategies to synchronize with seasonality in mid-elevational forests of central Himalaya. <b>2022</b> , 526, 120567	0

- 69 Decoupled leaf-wood phenology in two pine species from contrasting climates: Longer growing seasons do not mean more radial growth. **2022**, 327, 109223 ○
- 68 Warmer temperatures are linked to widespread phenological mismatch among native and non-native forest plants. ○
- 67 Testing machine learning algorithms on a binary classification phenological model. ○
- 66 Climate Controls on the Spatial Variability of Vegetation Greenup Rate across Ecosystems in Northern Hemisphere. **2022**, 11, 2971 ○
- 65 Characterizing the climate-phenology-hydrology associations in a subtropical forested watershed, central Taiwan. **2022**, 145, 109650 ○
- 64 Global crop yields can be lifted by timely adaptation of growing periods to climate change. **2022**, 13, ○
- 63 Spatiotemporal variation of autumn phenology responses to pre-season drought and temperature in alpine and temperate grasslands in China. **2022**, 160373 ○
- 62 Satellite observed delaying effects of increased winds on spring green-up dates. **2023**, 284, 113363 ○
- 61 Turning points in the impact of earlier green-up on evapotranspiration and gross primary productivity in a semi-arid grassland watershed. **2023**, 616, 128755 ○
- 60 Accelerated growth rates of Norway spruce and European beech saplings from Europe's temperate primary forests are related to warmer conditions. **2023**, 329, 109280 ○
- 59 Validating remotely sensed land surface phenology with leaf out records from a citizen science network. **2023**, 116, 103148 ○
- 58 High seed diversity and availability increase rodent community stability under human disturbance and climate variation. 13, ○
- 57 Morpho-physiological and demographic responses of three threatened Ilex species to changing climate aligned with species distribution models in future climate scenarios. **2023**, 195, ○
- 56 Spatial-Coherent Dynamics and Climatic Signals in the Radial Growth of Siberian Stone Pine (*Pinus sibirica* Du Tour) in Subalpine Stands along the Western Sayan Mountains. **2022**, 13, 1994 1
- 55 Wildflower phenological escape differs by continent and spring temperature. **2022**, 13, ○
- 54 Continued spring phenological advance under global warming hiatus over the Pan-Third Pole. 13, ○
- 53 Impact of Environmental Gradients on Phenometrics of Major Forest Types of Kumaon Region of the Western Himalaya. **2022**, 13, 1973 ○
- 52 Seasonal variations of cold hardiness and dormancy depth in five temperate woody plants in China. 5, 1

51	Statistical Approach to Assess Chill and Heat Requirements of Olive Tree Based on Flowering Date and Temperatures Data: Towards Selection of Adapted Cultivars to Global Warming. <b>2022</b> , 12, 2975	1
50	Phenology and morphology of the invasive legume <i>Lupinus polyphyllus</i> along a latitudinal gradient in Europe. 78, 185-206	0
49	Drivers of Decadal Carbon Fluxes Across Temperate Ecosystems. <b>2022</b> , 127,	0
48	Early spring onset increases carbon uptake more than late fall senescence: modeling future phenological change in a US northern deciduous forest.	0
47	Review: Monitoring of land cover changes and plant phenology by remote-sensing in East Asia.	0
46	Climate change impacts on winter chill in Mediterranean temperate fruit orchards. <b>2023</b> , 23,	1
45	Phenological response to climate variation in a northern red oak plantation: Links to survival and productivity.	0
44	Utility of Deep Learning Algorithms in Initial Flowering Period Prediction Models. <b>2022</b> , 12, 2161	0
43	Shoot Phenology in Bambusoideae: A Review. <b>2022</b> , 13, 579-597	0
42	A critical thermal transition driving spring phenology of Northern Hemisphere conifers.	1
41	Effects of Phenological Changes on Plant Production From the View of <i>Stipa krylovii</i> . <b>2022</b> , 12, 3208	0
40	Warming of experimental plant-pollinator communities advances phenologies, alters traits, reduces interactions and depresses reproduction.	0
39	Enhanced trends in spectral greening and climate anomalies across Europe. <b>2023</b> , 195,	0
38	Climate Change Helps Polar Invasives Establish and Flourish: Evidence from Long-Term Monitoring of the Blowfly <i>Calliphora vicina</i> . <b>2023</b> , 12, 111	0
37	A stronger advance of urban spring vegetation phenology narrows vegetation productivity difference between urban settings and natural environments. <b>2023</b> , 161649	0
36	Seasonal precipitation and continentality drive bimodal growth in Mediterranean forests. <b>2023</b> , 78, 126057	0
35	European Beech Spring Phenological Phase Prediction with UAV-derived Multispectral Indices and Machine Learning Regression.	0
34	Seasonal timing on a cyclical Earth: Towards a theoretical framework for the evolution of phenology. <b>2022</b> , 20, e3001952	1

- 33 Impact of climatic factors on the duration of species flowering in the Karadag Nature Reserve. **2023**, 77, 258-265 ○
- 32 Autumn phenology of tree species in China is associated more with climate than with spring phenology and phylogeny. 14, ○
- 31 Impact of Climatic Factors on the Duration of Species Flowering in the Karadag Nature Reserve. **2022**, 77, 231-237 ○
- 30 Greenhouse Gas (GHG) Emissions from Honey Production: Two-Year Survey in Italian Beekeeping Farms. **2023**, 13, 766 ○
- 29 Complex climate-mediated effects of urbanization on plant reproductive phenology and frost risk. ○
- 28 Remote sensing of seasonal variation of LAI and fAPAR in a deciduous broadleaf forest. **2023**, 333, 109389 ○
- 27 Flowering and leaf phenology are more variable and stronger associated to functional traits in herbaceous compared to tree species. **2023**, 300, 152218 ○
- 26 Increasing Risk of Spring Frost Occurrence during the Cherry Tree Flowering in Times of Climate Change. **2023**, 15, 497 ○
- 25 Microclimatic gradients cause phenological variations within temperate tree canopies in autumn but not in spring. **2023**, 331, 109340 ○
- 24 Shifts in vegetation activity of terrestrial ecosystems attributable to climate trends. **2023**, 16, 147-153 ○
- 23 Fruiting phenology matters. ○
- 22 Assessing Phenological Shifts of Deciduous Forests in Turkey under Climate Change: An Assessment for *Fagus orientalis* with Daily MODIS Data for 19 Years. **2023**, 14, 413 ○
- 21 Phenological Response of Treeline Ecotone Tree Species to Global Warming in Western Himalaya. **2023**, 377-393 ○
- 20 The emergence and shift in seasonality of Lyme borreliosis in Northern Europe. **2023**, 290, 1 ○
- 19 The effects of phenological change on *Populus euphratica* under the background of climate change. ○
- 18 Spatiotemporal changes in the boreal forest in Siberia over the period 1985–2015 against the background of climate change. **2023**, 14, 223-239 ○
- 17 Historical and citizen-reported data show shifts in bumblebee phenology over the last century in Sweden. **2023**, 32, 1523-1547 ○
- 16 Calibration for an Ensemble of Grapevine Phenology Models under Different Optimization Algorithms. **2023**, 13, 679 ○



- 15 Experimental and Theoretical Analysis of Tree-Ring Growth in Cold Climates. **2023**, 295-321 ○
- 14 Pollen morphological study and temperature effect on the pollen germination of cashew (*Anacardium occidentale* L.) varieties. **2023**, 314, 111957 ○
- 13 The Effects of Monthly Rainfall and Temperature on Flowering and Fruiting Intensities Vary within and among Selected Woody Species in Northwestern Ethiopia. **2023**, 14, 541 ○
- 12 Fire blight rootstock infections causing apple tree death: A case study in high-density apple orchards with *Erwinia amylovora* strain characterization. 2, ○
- 11 Phenological Flowering Patterns of Woody Plants in the Function of Landscape Design: Case Study Belgrade. **2023**, 12, 706 ○
- 10 Variation in the Concentration of *Tilia* spp. Pollen in the Aeroplankton of Lublin and Szczecin, Poland. **2023**, 12, 1415 ○
- 9 Genetic Differentiation of Budburst Timing in *Fagus crenata* Populations along a Spatial Gradient in Late Frost Timing in the Hakkoda Mountains, Northern Japan. **2023**, 14, 659 ○
- 8 Climate change increases carbon allocation to leaves in early leaf green-up. **2023**, 26, 816-826 ○
- 7 Influence of urbanisation on the phenology of evergreen coniferous and deciduous broadleaf trees in Madrid (Spain). **2023**, 235, 104760 ○
- 6 Climate change is leading to rapid shifts in seasonality in the himalaya. ○
- 5 Phenology advances uniformly in spring but diverges in autumn among three temperate tree species in response to warming. **2023**, 336, 109475 ○
- 4 Temperature Induced Flowering Phenology of *Olea ferruginea* Royle: A Climate Change Effect. **2023**, 15, 6936 ○
- 3 Developing global annual land surface phenology datasets (1982–2018) from the AVHRR data using multiple phenology retrieval methods. **2023**, 150, 110262 ○
- 2 Comparative Study of the Phenology of Seven Native Deciduous Tree Species in Two Different Mesoclimatic Areas in the Carpathian Basin. **2023**, 14, 885 ○
- 1 Intertwining of fecundity, sexual and growth selection on spring phenology along an altitudinal gradient of European beech (*Fagus sylvatica*L.). ○