

# Nicole Estrella

## List of Publications by Year in descending order

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Version: 2024-02-01

51  
papers

6,903  
citations

172457

29  
h-index

182427

51  
g-index

52  
all docs

52  
docs citations

52  
times ranked

8320  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Influence of Weather on Fatal Accidents in Austrian Mountains. <i>Weather, Climate, and Society</i> , 2022, 14, 303-310.	1.1	2
2	Impact of Local Grasslands on Wild Grass Pollen Emission in Bavaria, Germany. <i>Land</i> , 2022, 11, 306.	2.9	3
3	Long-term flowering intensity of European tree species under the influence of climatic and resource dynamic variables. <i>Agricultural and Forest Meteorology</i> , 2022, 323, 109074.	4.8	2
4	Effects of weather, air pollution and Oktoberfest on ambulance-transported emergency department admissions in Munich, Germany. <i>Science of the Total Environment</i> , 2021, 755, 143772.	8.0	11
5	A First Pre-season Pollen Transport Climatology to Bavaria, Germany. <i>Frontiers in Allergy</i> , 2021, 2, 627863.	2.8	14
6	Maps, trends, and temperature sensitivitiesâ€”phenological information from and for decreasing numbers of volunteer observers. <i>International Journal of Biometeorology</i> , 2021, 65, 1377-1390.	3.0	4
7	Impact of elevated air temperature and drought on pollen characteristics of major agricultural grass species. <i>PLoS ONE</i> , 2021, 16, e0248759.	2.5	7
8	Weather Types Affect Rain Microstructure: Implications for Estimating Rain Rate. <i>Remote Sensing</i> , 2020, 12, 3572.	4.0	2
9	Climate change fingerprints in recent European plant phenology. <i>Global Change Biology</i> , 2020, 26, 2599-2612.	9.5	179
10	Does Coltsfoot ( <i>Tussilago farfara</i> L.) have an autumn temperature control to limit precocious flowering in spring?. <i>International Journal of Climatology</i> , 2020, 40, 4518-4527.	3.5	4
11	High post-season <i>Alnus</i> pollen loads successfully identified as long-range transport of an alpine species. <i>Atmospheric Environment</i> , 2020, 231, 117453.	4.1	16
12	Precipitation Diurnal Cycle in Germany Linked to Large-Scale Weather Circulations. <i>Atmosphere</i> , 2019, 10, 545.	2.3	10
13	Machine Learning Approach to Classify Rain Type Based on Thies Disdrometers and Cloud Observations. <i>Atmosphere</i> , 2019, 10, 251.	2.3	11
14	Grass pollen production and group V allergen content of agriculturally relevant species and cultivars. <i>PLoS ONE</i> , 2018, 13, e0193958.	2.5	22
15	Climate sensitivity and variation in first flowering of 26 <i>Narcissus</i> cultivars. <i>International Journal of Biometeorology</i> , 2015, 59, 477-480.	3.0	4
16	Multiple-year assessment of phenological plasticity within a beech ( <i>Fagus sylvatica</i> L.) stand in southern Germany. <i>Agricultural and Forest Meteorology</i> , 2015, 211-212, 13-22.	4.8	15
17	Changes in first flowering dates and flowering duration of 232 plant species on the island of Guernsey. <i>Global Change Biology</i> , 2014, 20, 3508-3519.	9.5	90
18	Does humidity trigger tree phenology? Proposal for an air humidity based framework for bud development in spring. <i>New Phytologist</i> , 2014, 202, 350-355.	7.3	57

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19	Chilling outweighs photoperiod in preventing precocious spring development. <i>Global Change Biology</i> , 2014, 20, 170-182.	9.5	304
20	Shifting and extension of phenological periods with increasing temperature along elevational transects in southern Bavaria. <i>Plant Biology</i> , 2014, 16, 332-344.	3.8	24
21	Recent and future climate extremes arising from changes to the bivariate distribution of temperature and precipitation in Bavaria, Germany. <i>International Journal of Climatology</i> , 2013, 33, 1687-1695.	3.5	35
22	The impacts of climate change on the winter hardiness zones of woody plants in Europe. <i>Theoretical and Applied Climatology</i> , 2013, 113, 683-695.	2.8	13
23	Climate-Induced Changes in Grapevine Yield and Must Sugar Content in Franconia (Germany) between 1805 and 2010. <i>PLoS ONE</i> , 2013, 8, e69015.	2.5	61
24	Changes in the timing of hay cutting in Germany do not keep pace with climate warming. <i>Global Change Biology</i> , 2013, 19, 3123-3132.	9.5	20
25	Spatio-temporal investigation of flowering dates and pollen counts in the topographically complex Zugspitze area on the German-Austrian border. <i>Aerobiologia</i> , 2012, 28, 541-556.	1.7	30
26	First flowering of wind-pollinated species with the greatest phenological advances in Europe. <i>Ecography</i> , 2012, 35, 1017-1023.	4.5	32
27	Comprehensive methodological analysis of long-term changes in phenological extremes in Germany. <i>Global Change Biology</i> , 2012, 18, 2349-2364.	9.5	6
28	The influence of altitude and urbanisation on trends and mean dates in phenology (1980-2009). <i>International Journal of Biometeorology</i> , 2012, 56, 387-394.	3.0	78
29	Changes to Airborne Pollen Counts across Europe. <i>PLoS ONE</i> , 2012, 7, e34076.	2.5	281
30	A comparison of methods to estimate seasonal phenological development from BBCH scale recording. <i>International Journal of Biometeorology</i> , 2011, 55, 867-877.	3.0	25
31	Effects of recent warm and cold spells on European plant phenology. <i>International Journal of Biometeorology</i> , 2011, 55, 921-932.	3.0	46
32	Changes in the phenology and composition of wine from Franconia, Germany. <i>Climate Research</i> , 2011, 50, 69-81.	1.1	102
33	Impact of Urbanization on the Proteome of Birch Pollen and Its Chemotactic Activity on Human Granulocytes. <i>International Archives of Allergy and Immunology</i> , 2010, 151, 46-55.	2.1	52
34	Influence of altitude on phenology of selected plant species in the Alpine region (1971-2000). <i>Climate Research</i> , 2009, 39, 227-234.	1.1	77
35	Effects of temperature, phase type and timing, location, and human density on plant phenological responses in Europe. <i>Climate Research</i> , 2009, 39, 235-248.	1.1	50
36	Spatial variation in onset dates and trends in phenology across Europe. <i>Climate Research</i> , 2009, 39, 249-260.	1.1	32

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37	Bayesian analysis of the species-specific lengthening of the growing season in two European countries and the influence of an insect pest. <i>International Journal of Biometeorology</i> , 2008, 52, 209-218.	3.0	46
38	Attributing physical and biological impacts to anthropogenic climate change. <i>Nature</i> , 2008, 453, 353-357.	27.8	1,210
39	Exceptional European warmth of autumn 2006 and winter 2007: Historical context, the underlying dynamics, and its phenological impacts. <i>Geophysical Research Letters</i> , 2007, 34, .	4.0	173
40	Trends and temperature response in the phenology of crops in Germany. <i>Global Change Biology</i> , 2007, 13, 1737-1747.	9.5	232
41	The use of Bayesian analysis to detect recent changes in phenological events throughout the year. <i>Agricultural and Forest Meteorology</i> , 2006, 141, 179-191.	4.8	32
42	Responses of leaf colouring in four deciduous tree species to climate and weather in Germany. <i>Climate Research</i> , 2006, 32, 253-267.	1.1	200
43	Altered geographic and temporal variability in phenology in response to climate change. <i>Global Ecology and Biogeography</i> , 2006, 15, 498-504.	5.8	195
44	European phenological response to climate change matches the warming pattern. <i>Global Change Biology</i> , 2006, 12, 1969-1976.	9.5	2,412
45	Integration of flowering dates in phenology and pollen counts in aerobiology: analysis of their spatial and temporal coherence in Germany (1992-1999). <i>International Journal of Biometeorology</i> , 2006, 51, 49-59.	3.0	84
46	'SSW to NNE' - North Atlantic Oscillation affects the progress of seasons across Europe. <i>Global Change Biology</i> , 2005, 11, 909-918.	9.5	66
47	Temperature response rates from long-term phenological records. <i>Climate Research</i> , 2005, 30, 21-28.	1.1	64
48	Variations of the climatological growing season (1951-2000) in Germany compared with other countries. <i>International Journal of Climatology</i> , 2003, 23, 793-812.	3.5	159
49	Spatial and temporal variability of the phenological seasons in Germany from 1951 to 1996. <i>Global Change Biology</i> , 2001, 7, 657-666.	9.5	46
50	Spatial and temporal variability of the phenological seasons in Germany from 1951 to 1996. <i>Global Change Biology</i> , 2001, 7, 657-666.	9.5	226
51	Plant Phenological Changes. , 2001, , 123-137.		35