Katharine L Gerst

List of Publications by Citations

25 papers	474 citations	12 h-index	21 g-index
25 ext. papers	667 ext. citations	3.7 avg, IF	3.43 L-index

#	Paper	IF	Citations
25	Standardized phenology monitoring methods to track plant and animal activity for science and resource management applications. *International Journal of Biometeorology*, **2014**, 58, 591-601	3.7	117
24	Photosynthetic resource-use efficiency and demographic variability in desert winter annual plants. *Ecology*, **2008**, 89, 1554-63	4.6	62
23	Climate change is advancing spring onset across the U.S. national park system. *Ecosphere*, **2016**, 7, e01465	3.1	43
22	Phenology research for natural resource management in the United States. *International Journal of Biometeorology*, **2014**, 58, 579-89	3.7	35
21	Organizing phenological data resources to inform natural resource conservation. *Biological Conservation*, **2014**, 173, 90-97	6.2	33
20	Species-specific phenological responses to winter temperature and precipitation in a water-limited ecosystem. *Ecosphere*, **2015**, 6, art98	3.1	29
19	USA National Phenology Network's volunteer-contributed observations yield predictive models of phenological transitions. *PLoS ONE*, **2017**, 12, e0182919	3.7	22
18	Phenological responsiveness to climate differs among four species of Quercus in North America. *Journal of Ecology*, **2017**, 105, 1610-1622	6	20
17	Global COVID-19 lockdown highlights humans as both threats and custodians of the environment. *Biological Conservation*, **2021**, 263, 109175	6.2	20
16	Estimating the onset of spring from a complex phenology database: trade-offs across geographic scales. *International Journal of Biometeorology*, **2016**, 60, 391-400	3.7	15
15	Developing a Workflow to Identify Inconsistencies in Volunteered Geographic Information: A Phenological Case Study. *PLoS ONE*, **2015**, 10, e0140811	3.7	13
14	The effect of geographic range position on demographic variability in annual plants. *Journal of Ecology*, **2011**, 99, no-no	6	12
13	The California Phenology Project: Tracking Plant Responses to Climate Change. *Madroño*, **2013**, 60, 1-3	0.4	11
12	Short-Term Forecasts of Insect Phenology Inform Pest Management. *Annals of the Entomological Society of America*, **2020**, 113, 139-148	2	9
11	Time to branch out? Application of hierarchical survival models in plant phenology. *Agricultural and Forest Meteorology*, **2019**, 279, 107694	5.8	8
10	How well do the spring indices predict phenological activity across plant species?. *International Journal of Biometeorology*, **2020**, 64, 889-901	3.7	5
9	A decade of flowering phenology of the keystone saguaro cactus (Carnegiea gigantea). *American Journal of Botany*, **2019**, 106, 199-210	2.7	4

List of Publications

8	USA National Phenology Network gridded products documentation. *US Geological Survey Open-File Report*,		4
7	USA National Phenology Network observational data documentation. *US Geological Survey Open-File Report*,		4
6	Creating the Urban Farmer's Almanac with Citizen Science Data. *Insects*, **2019**, 10,	2.8	3
5	Impact of an Ecohydrology Classroom Activity on Middle School Students Understanding of Evapotranspiration. *Journal of Natural Resources and Life Sciences Education*, **2010**, 39, 150-156		2
4	Functional traits of broad-leaved monocot herbs in the understory and forest edges of a Costa Rican rainforest. *PeerJ*, **2020**, 8, e9958	3.1	2
3	PS3: The Pheno-Synthesis software suite for integration and analysis of multi-scale, multi-platform phenological data. *Ecological Informatics*, **2021**, 65, 101400	4.2	1
2	The USA National Phenology Network's Buffelgrass Green-up Forecast map products. *Ecological Solutions and Evidence*, **2021**, 2, e12109	2.1	0
1	Distribution and photosynthetic assimilation of rosulate aroid epiphytes in a Costa Rican lowland rainforest. *Flora: Morphology, Distribution, Functional Ecology of Plants*, **2021**, 279, 151830	1.9	0