

Kevin R Wilcox

List of Publications by Citations

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

41
papers

1,492
citations

23
h-index

38
g-index

45
ext. papers

2,039
ext. citations

6.7
avg, IF

4.45
L-index

#	Paper	IF	Citations
41	Characterizing differences in precipitation regimes of extreme wet and dry years: implications for climate change experiments. <i>Global Change Biology</i> , 2015 , 21, 2624-2633	11.4	169
40	Asymmetric responses of primary productivity to precipitation extremes: A synthesis of grassland precipitation manipulation experiments. <i>Global Change Biology</i> , 2017 , 23, 4376-4385	11.4	139
39	Contrasting above- and belowground sensitivity of three Great Plains grasslands to altered rainfall regimes. <i>Global Change Biology</i> , 2015 , 21, 335-44	11.4	98
38	C:N:P stoichiometry in China's forests: From organs to ecosystems. <i>Functional Ecology</i> , 2018 , 32, 50-60	5.6	98
37	Changes in plant community composition, not diversity, during a decade of nitrogen and phosphorus additions drive above-ground productivity in a tallgrass prairie. <i>Journal of Ecology</i> , 2014 , 102, 1649-1660	6	96
36	Asynchrony among local communities stabilises ecosystem function of metacommunities. <i>Ecology Letters</i> , 2017 , 20, 1534-1545	10	72
35	Global change effects on plant communities are magnified by time and the number of global change factors imposed. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 17867-17873	11.5	69
34	Stoichiometric homeostasis predicts plant species dominance, temporal stability, and responses to global change. <i>Ecology</i> , 2015 , 96, 2328-35	4.6	65
33	Plant community response to loss of large herbivores differs between North American and South African savanna grasslands. <i>Ecology</i> , 2014 , 95, 808-16	4.6	60
32	Experimental droughts with rainout shelters: a methodological review. <i>Ecosphere</i> , 2018 , 9, e02088	3.1	49
31	Does ecosystem sensitivity to precipitation at the site-level conform to regional-scale predictions?. <i>Ecology</i> , 2016 , 97, 561-568	4.6	46
30	Dual mechanisms regulate ecosystem stability under decade-long warming and hay harvest. <i>Nature Communications</i> , 2016 , 7, 11973	17.4	42
29	Warming Effects on Ecosystem Carbon Fluxes Are Modulated by Plant Functional Types. <i>Ecosystems</i> , 2017 , 20, 515-526	3.9	37
28	A framework for quantifying the magnitude and variability of community responses to global change drivers. <i>Ecosphere</i> , 2015 , 6, art280	3.1	37
27	Asymmetric responses of primary productivity to altered precipitation simulated by ecosystem models across three long-term grassland sites. <i>Biogeosciences</i> , 2018 , 15, 3421-3437	4.6	36
26	Responses to fire differ between South African and North American grassland communities. <i>Journal of Vegetation Science</i> , 2014 , 25, 793-804	3.1	36
25	A comprehensive approach to analyzing community dynamics using rank abundance curves. <i>Ecosphere</i> , 2019 , 10, e02881	3.1	27

24	Assessing community and ecosystem sensitivity to climate change [toward a more comparative approach. <i>Journal of Vegetation Science</i> , 2017 , 28, 235-237	3.1	26
23	Rapid recovery of ecosystem function following extreme drought in a South African savanna grassland. <i>Ecology</i> , 2020 , 101, e02983	4.6	25
22	Nutrient additions cause divergence of tallgrass prairie plant communities resulting in loss of ecosystem stability. <i>Journal of Ecology</i> , 2016 , 104, 1478-1487	6	25
21	Loss of a large grazer impacts savanna grassland plant communities similarly in North America and South Africa. <i>Oecologia</i> , 2014 , 175, 293-303	2.9	25
20	General destabilizing effects of eutrophication on grassland productivity at multiple spatial scales. <i>Nature Communications</i> , 2020 , 11, 5375	17.4	23
19	Does ecosystem sensitivity to precipitation at the site-level conform to regional-scale predictions?. <i>Ecology</i> , 2016 , 97, 561-8	4.6	23
18	Fire frequency drives habitat selection by a diverse herbivore guild impacting top-down control of plant communities in an African savanna. <i>Oikos</i> , 2016 , 125, 1636-1646	4	21
17	Ambient changes exceed treatment effects on plant species abundance in global change experiments. <i>Global Change Biology</i> , 2018 , 24, 5668-5679	11.4	21
16	Herbivore size matters for productivity-richness relationships in African savannas. <i>Journal of Ecology</i> , 2017 , 105, 674-686	6	18
15	Shared Drivers but Divergent Ecological Responses: Insights from Long-Term Experiments in Mesic Savanna Grasslands. <i>BioScience</i> , 2016 , 66, 666-682	5.7	17
14	Beyond ecosystem modeling: A roadmap to community cyberinfrastructure for ecological data-model integration. <i>Global Change Biology</i> , 2021 , 27, 13-26	11.4	15
13	Successional change in species composition alters climate sensitivity of grassland productivity. <i>Global Change Biology</i> , 2018 , 24, 4993-5003	11.4	15
12	Mass ratio effects underlie ecosystem responses to environmental change. <i>Journal of Ecology</i> , 2020 , 108, 855-864	6	14
11	Traits link drought resistance with herbivore defence and plant economics in semi-arid grasslands: The central roles of phenology and leaf dry matter content. <i>Journal of Ecology</i> , 2020 , 108, 2336-2351	6	11
10	Stability of grassland soil C and N pools despite 25 years of an extreme climatic and disturbance regime. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2016 , 121, 1934-1945	3.7	7
9	Does ecosystem sensitivity to precipitation at the site-level conform to regional-scale predictions? 2016 , 97, 561		5
8	Temporal variability in production is not consistently affected by global change drivers across herbaceous-dominated ecosystems. <i>Oecologia</i> , 2020 , 194, 735-744	2.9	5
7	Plant traits related to precipitation sensitivity of species and communities in semiarid shortgrass prairie. <i>New Phytologist</i> , 2021 , 229, 2007-2019	9.8	5

6	Grazing-induced biodiversity loss impairs grassland ecosystem stability at multiple scales. <i>Ecology Letters</i> , 2021 , 24, 2054-2064	10	4
5	Drought mildly reduces plant dominance in a temperate prairie ecosystem across years. <i>Ecology and Evolution</i> , 2020 , 10, 6702-6713	2.8	3
4	Determinants of community compositional change are equally affected by global change. <i>Ecology Letters</i> , 2021 , 24, 1892-1904	10	3
3	Resistance and resilience of a semi-arid grassland to multi-year extreme drought. <i>Ecological Indicators</i> , 2021 , 131, 108139	5.8	3
2	Improving collaborations between empiricists and modelers to advance grassland community dynamics in ecosystem models. <i>New Phytologist</i> , 2020 , 228, 1467-1471	9.8	1
1	Do tradeoffs govern plant species responses to different global change treatments?. <i>Ecology</i> , 2021 , e36266	16	1