Kevin R Wilcox

List of Publications by Year
in descending order

44 papers	2,586 citations	201674 27 h-index	243625 44 g-index
45 all docs	45 docs citations	45 times ranked	3358 citing authors

#	Article	IF	Citations
1	Characterizing differences in precipitation regimes of extreme wet and dry years: implications for climate change experiments. Global Change Biology, 2015, 21, 2624-2633.	9.5	233
2	Asymmetric responses of primary productivity to precipitation extremes: A synthesis of grassland precipitation manipulation experiments. Global Change Biology, 2017, 23, 4376-4385.	9.5	231
3	C:N:P stoichiometry in China's forests: From organs to ecosystems. Functional Ecology, 2018, 32, 50-60.	3.6	168
4	Changes in plant community composition, not diversity, during a decade of nitrogen and phosphorus additions drive aboveâ€ground productivity in a tallgrass prairie. Journal of Ecology, 2014, 102, 1649-1660.	4.0	145
5	Contrasting aboveâ€and belowground sensitivity of three Great Plains grasslands to altered rainfall regimes. Global Change Biology, 2015, 21, 335-344.	9.5	141
6	Global change effects on plant communities are magnified by time and the number of global change factors imposed. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 17867-17873.	7.1	141
7	Asynchrony among local communities stabilises ecosystem function of metacommunities. Ecology Letters, 2017, 20, 1534-1545.	6.4	136
8	Stoichiometric homeostasis predicts plant species dominance, temporal stability, and responses to global change. Ecology, 2015, 96, 2328-2335.	3.2	106
9	Experimental droughts with rainout shelters: a methodological review. Ecosphere, 2018, 9, e02088.	2.2	83
10	A comprehensive approach to analyzing community dynamics using rank abundance curves. Ecosphere, 2019, 10, e02881.	2.2	79
11	General destabilizing effects of eutrophication on grassland productivity at multiple spatial scales. Nature Communications, 2020, 11, 5375.	12.8	75
12	Plant community response to loss of large herbivores differs between North American and South African savanna grasslands. Ecology, 2014, 95, 808-816.	3.2	70
13	Dual mechanisms regulate ecosystem stability under decade-long warming and hay harvest. Nature Communications, 2016, 7, 11973.	12.8	66
14	Does ecosystem sensitivity to precipitation at the siteâ€level conform to regionalâ€scale predictions?. Ecology, 2016, 97, 561-568.	3.2	59
15	Asymmetric responses of primary productivity to altered precipitation simulated by ecosystem models across three long-term grassland sites. Biogeosciences, 2018, 15, 3421-3437.	3.3	55
16	Rapid recovery of ecosystem function following extreme drought in a South African savanna grassland. Ecology, 2020, 101, e02983.	3.2	55
17	Warming Effects on Ecosystem Carbon Fluxes Are Modulated by Plant Functional Types. Ecosystems, 2017, 20, 515-526.	3.4	54
18	A framework for quantifying the magnitude and variability of community responses to global change drivers. Ecosphere, 2015, 6, 1-14.	2.2	51

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19	Traits link drought resistance with herbivore defence and plant economics in semiâ€arid grasslands: The central roles of phenology and leaf dry matter content. Journal of Ecology, 2020, 108, 2336-2351.	4.0	49
20	Grazingâ€induced biodiversity loss impairs grassland ecosystem stability at multiple scales. Ecology Letters, 2021, 24, 2054-2064.	6.4	46
21	Responses to fire differ between <scp>S</scp>outh <scp>A</scp>frican and <scp>N</scp>orth <scp>A</scp>merican grassland communities. Journal of Vegetation Science, 2014, 25, 793-804.	2.2	44
22	Beyond ecosystem modeling: A roadmap to community cyberinfrastructure for ecological dataâ€model integration. Global Change Biology, 2021, 27, 13-26.	9.5	44
23	Nutrient additions cause divergence of tallgrass prairie plant communities resulting in loss of ecosystem stability. Journal of Ecology, 2016, 104, 1478-1487.	4.0	43
24	Assessing community and ecosystem sensitivity to climate change â€“ toward a more comparative approach. Journal of Vegetation Science, 2017, 28, 235-237.	2.2	38
25	Plant traits related to precipitation sensitivity of species and communities in semiarid shortgrass prairie. New Phytologist, 2021, 229, 2007-2019.	7.3	38
26	Fire frequency drives habitat selection by a diverse herbivore guild impacting topâ€“down control of plant communities in an African savanna. Oikos, 2016, 125, 1636-1646.	2.7	32
27	Loss of a large grazer impacts savanna grassland plant communities similarly in North America and South Africa. Oecologia, 2014, 175, 293-303.	2.0	31
28	Mass ratio effects underlie ecosystem responses to environmental change. Journal of Ecology, 2020, 108, 855-864.	4.0	31
29	Does ecosystem sensitivity to precipitation at the site-level conform to regional-scale predictions?. Ecology, 2016, 97, 561-8.	3.2	28
30	Herbivore size matters for productivityâ€“richness relationships in A frican savannas. Journal of Ecology, 2017, 105, 674-686.	4.0	27
31	Determinants of community compositional change are equally affected by global change. Ecology Letters, 2021, 24, 1892-1904.	6.4	27
32	Resistance and resilience of a semi-arid grassland to multi-year extreme drought. Ecological Indicators, 2021, 131, 108139.	6.3	27
33	Ambient changes exceed treatment effects on plant species abundance in global change experiments. Global Change Biology, 2018, 24, 5668-5679.	9.5	25
34	Successional change in species composition alters climate sensitivity of grassland productivity. Global Change Biology, 2018, 24, 4993-5003.	9.5	21
35	Shared Drivers but Divergent Ecological Responses: Insights from Long-Term Experiments in Mesic Savanna Grasslands. BioScience, 2016, 66, 666-682.	4.9	20
36	Stability of grassland soil C and N pools despite 25â€‰years of an extreme climatic and disturbance regime. Journal of Geophysical Research G: Biogeosciences, 2016, 121, 1934-1945.	3.0	16

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37	Drought mildly reduces plant dominance in a temperate prairie ecosystem across years. Ecology and Evolution, 2020, 10, 6702-6713.	1.9	9
38	Temporal variability in production is not consistently affected by global change drivers across herbaceous-dominated ecosystems. Oecologia, 2020, 194, 735-744.	2.0	8
39	N and P constrain C in ecosystems under climate change: Role of nutrient redistribution, accumulation, and stoichiometry. Ecological Applications, 2022, 32, .	3.8	8
40	Improving collaborations between empiricists and modelers to advance grassland community dynamics in ecosystem models. New Phytologist, 2020, 228, 1467-1471.	7.3	5
41	Does ecosystem sensitivity to precipitation at the site-level conform to regional-scale predictions?. Ecology, 2016, 97, 561.	3.2	5
42	Do tradeâ€offs govern plant speciesâ€™ responses to different global change treatments?. Ecology, 2022, 103, e3626.	3.2	5
43	Water availability dictates how plant traits predict demographic rates. Ecology, 2022, 103, .	3.2	5
44	Richness, not evenness, varies across water availability gradients in grassy biomes on five continents. Oecologia, 2022, 199, 649-659.	2.0	5