Kimberly La Pierre

List of Publications by Year
in descending order

69	8,014	109321 35	85541 71
papers	citations	h-index	g-index

71	71	71	10892
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	TRY plant trait database â€“ enhanced coverage and open access. Global Change Biology, 2020, 26, 119-188.	9.5	1,038
2	Consistent responses of soil microbial communities to elevated nutrient inputs in grasslands across the globe. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 10967-10972.	7.1	1,023
3	Herbivores and nutrients control grassland plant diversity via light limitation. Nature, 2014, 508, 517-520.	27.8	669
4	Plant diversity predicts beta but not alpha diversity of soil microbes across grasslands worldwide. Ecology Letters, 2015, 18, 85-95.	6.4	612
5	Productivity Is a Poor Predictor of Plant Species Richness. Science, 2011, 333, 1750-1753.	12.6	463
6	Eutrophication weakens stabilizing effects of diversity in natural grasslands. Nature, 2014, 508, 521-525.	27.8	409
7	Addition of multiple limiting resources reduces grassland diversity. Nature, 2016, 537, 93-96.	27.8	355
8	Differential sensitivity to regional-scale drought in six central US grasslands. Oecologia, 2015, 177, 949-957.	2.0	236
9	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
10	Local loss and spatial homogenization of plant diversity reduce ecosystem multifunctionality. Nature Ecology and Evolution, 2018, 2, 50-56.	7.8	172
11	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
12	Anthropogenic nitrogen deposition predicts local grassland primary production worldwide. Ecology, 2015, 96, 1459-1465.	3.2	143
13	Plant speciesâ€™ origin predicts dominance and response to nutrient enrichment and herbivores in global grasslands. Nature Communications, 2015, 6, 7710.	12.8	143
14	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
15	Asynchrony among local communities stabilises ecosystem function of metacommunities. Ecology Letters, 2017, 20, 1534-1545.	6.4	136
16	Demystifying dominant species. New Phytologist, 2019, 223, 1106-1126.	7.3	125
17	Past, Present, and Future Roles of Long-Term Experiments in the LTER Network. BioScience, 2012, 62, 377-389.	4.9	116
18	Stoichiometric homeostasis predicts plant species dominance, temporal stability, and responses to global change. Ecology, 2015, 96, 2328-2335.	3.2	106

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19	Seasonal, not annual precipitation drives community productivity across ecosystems. Oikos, 2013, 122, 727-738.	2.7	99
20	Leaf nutrients, not specific leaf area, are consistent indicators of elevated nutrient inputs. Nature Ecology and Evolution, 2019, 3, 400-406.	7.8	97
21	Abundance of introduced species at home predicts abundance away in herbaceous communities. Ecology Letters, 2011, 14, 274-281.	6.4	88
22	A comprehensive approach to analyzing community dynamics using rank abundance curves. Ecosphere, 2019, 10, e02881.	2.2	79
23	General destabilizing effects of eutrophication on grassland productivity at multiple spatial scales. Nature Communications, 2020, 11, 5375.	12.8	75
24	Predicting invasion in grassland ecosystems: is exotic dominance the real embarrassment of richness?. Global Change Biology, 2013, 19, 3677-3687.	9.5	70
25	Increasing effects of chronic nutrient enrichment on plant diversity loss and ecosystem productivity over time. Ecology, 2021, 102, e03218.	3.2	62
26	Explaining temporal variation in above-ground productivity in a mesic grassland: the role of climate and flowering. Journal of Ecology, 2011, 99, 1250-1262.	4.0	56
27	Temporal heterogeneity increases with spatial heterogeneity in ecological communities. Ecology, 2018, 99, 858-865.	3.2	56
28	Out of the shadows: multiple nutrient limitations drive relationships among biomass, light and plant diversity. Functional Ecology, 2017, 31, 1839-1846.	3.6	55
29	A framework for quantifying the magnitude and variability of community responses to global change drivers. Ecosphere, 2015, 6, 1-14.	2.2	51
30	Global environmental change and the nature of aboveground net primary productivity responses: insights from long-term experiments. Oecologia, 2015, 177, 935-947.	2.0	48
31	Drivers of Variation in Aboveground Net Primary Productivity and Plant Community Composition Differ Across a Broad Precipitation Gradient. Ecosystems, 2016, 19, 521-533.	3.4	47
32	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
33	Nitrogen deposition promotes phosphorus uptake of plants in a semi-arid temperate grassland. Plant and Soil, 2016, 408, 475-484.	3.7	41
34	Divergent Effects of Nitrogen Addition on Soil Respiration in a Semiarid Grassland. Scientific Reports, 2016, 6, 33541.	3.3	40
35	Increased grassland arthropod production with mammalian herbivory and eutrophication: a test of mediation pathways. Ecology, 2017, 98, 3022-3033.	3.2	40
36	Negative effects of nitrogen override positive effects of phosphorus on grassland legumes worldwide. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	40

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37	Spatial heterogeneity in species composition constrains plant community responses to herbivory and fertilisation. Ecology Letters, 2018, 21, 1364-1371.	6.4	38
38	Invasive legumes can associate with many mutualists of native legumes, but usually do not. Ecology and Evolution, 2017, 7, 8599-8611.	1.9	37
39	More Than a Functional Group: Diversity within the Legumeâ€“Rhizobia Mutualism and Its Relationship with Ecosystem Function. Diversity, 2020, 12, 50.	1.7	37
40	Nutrients cause grassland biomass to outpace herbivory. Nature Communications, 2020, 11, 6036.	12.8	35
41	Functional trait expression of grassland species shift with short- and long-term nutrient additions. Plant Ecology, 2015, 216, 307-318.	1.6	34
42	Climate modifies response of non-native and native species richness to nutrient enrichment. Philosophical Transactions of the Royal Society B: Biological Sciences, 2016, 371, 20150273.	4.0	34
43	Belowground Biomass Response to Nutrient Enrichment Depends on Light Limitation Across Globally Distributed Grasslands. Ecosystems, 2019, 22, 1466-1477.	3.4	34
44	Anthropogenicâ€based regionalâ€scale factors most consistently explain plotâ€level exotic diversity in grasslands. Global Ecology and Biogeography, 2014, 23, 802-810.	5.8	32
45	Soil nutrient additions increase invertebrate herbivore abundances, but not herbivory, across three grassland systems. Oecologia, 2016, 180, 485-497.	2.0	32
46	Mass ratio effects underlie ecosystem responses to environmental change. Journal of Ecology, 2020, 108, 855-864.	4.0	31
47	Response to Comments on â€œProductivity Is a Poor Predictor of Plant Species Richnessâ€. Science, 2012, 335, 1441-1441.	12.6	30
48	Invertebrate, not small vertebrate, herbivory interacts with nutrient availability to impact tallgrass prairie community composition and forb biomass. Oikos, 2015, 124, 842-850.	2.7	28
49	Determinants of community compositional change are equally affected by global change. Ecology Letters, 2021, 24, 1892-1904.	6.4	27
50	Ambient changes exceed treatment effects on plant species abundance in global change experiments. Global Change Biology, 2018, 24, 5668-5679.	9.5	25
51	Nutrient enrichment increases invertebrate herbivory and pathogen damage in grasslands. Journal of Ecology, 2022, 110, 327-339.	4.0	25
52	Effects of nutrient supply, herbivory, and host community on fungal endophyte diversity. Ecology, 2019, 100, e02758.	3.2	22
53	Phytoplankton composition modifies predator-driven life history evolution in Daphnia. Evolutionary Ecology, 2014, 28, 397-411.	1.2	17
54	Nutrient identity modifies the destabilising effects of eutrophication in grasslands. Ecology Letters, 2022, 25, 754-765.	6.4	17

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55	Temporal rarity is a better predictor of local extinction risk than spatial rarity. Ecology, 2021, 102, e03504.	3.2	14
56	Nutrient addition shifts plant community composition towards earlier flowering species in some prairie ecoregions in the U.S. Central Plains. PLoS ONE, 2017, 12, e0178440.	2.5	13
57	Strong feeding preference of an exotic generalist herbivore for an exotic forb: a case of invasional antagonism. Biological Invasions, 2010, 12, 3025-3031.	2.4	12
58	Dominant native and nonâ€native graminoids differ in key leaf traits irrespective of nutrient availability. Global Ecology and Biogeography, 2020, 29, 1126-1138.	5.8	11
59	Plant functional types drive differential responses of grassland ecosystem functions along a precipitation gradient. Ecological Indicators, 2021, 133, 108433.	6.3	10
60	Invasive legume management strategies differentially impact mutualist abundance and benefit to native and invasive hosts. Restoration Ecology, 2020, 28, 378-386.	2.9	8
61	Temporal variability in production is not consistently affected by global change drivers across herbaceous-dominated ecosystems. Oecologia, 2020, 194, 735-744.	2.0	8
62	Grand challenges in biodiversityâ€“ecosystem functioning research in the era of scienceâ€“policy platforms require explicit consideration of feedbacks. Proceedings of the Royal Society B: Biological Sciences, 2021, 288, 20210783.	2.6	8
63	Opposing community assembly patterns for dominant and nondominant plant species in herbaceous ecosystems globally. Ecology and Evolution, 2021, 11, 17744-17761.	1.9	8
64	Going remote: Recommendations for normalizing virtual internships. Ecosphere, 2022, 13, .	2.2	8
65	Effects of whiteâ€tailed deer exclusion on the plant community composition of an upland tallgrass prairie ecosystem. Journal of Vegetation Science, 2020, 31, 899-907.	2.2	6
66	Improving collaborations between empiricists and modelers to advance grassland community dynamics in ecosystem models. New Phytologist, 2020, 228, 1467-1471.	7.3	5
67	Do tradeâ€offs govern plant speciesâ€™ responses to different global change treatments?. Ecology, 2022, 103, e3626.	3.2	5
68	Richness, not evenness, varies across water availability gradients in grassy biomes on five continents. Oecologia, 2022, 199, 649-659.	2.0	5
69	Defining codominance in plant communities. New Phytologist, 2021, 230, 1716-1730.	7.3	2