

Melinda D Smith

List of Publications by Year in descending order

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Version: 2024-02-01

160
papers

18,929
citations

30047

54
h-index

12585

132
g-index

162
all docs

162
docs citations

162
times ranked

16792
citing authors

#	ARTICLE	IF	CITATIONS
1	Variation Among Biomes in Temporal Dynamics of Aboveground Primary Production. <i>Science</i> , 2001, 291, 481-484.	6.0	1,198
2	Biodiversity increases the resistance of ecosystem productivity to climate extremes. <i>Nature</i> , 2015, 526, 574-577.	13.7	1,032
3	Convergence across biomes to a common rain-use efficiency. <i>Nature</i> , 2004, 429, 651-654.	13.7	968
4	Consequences of More Extreme Precipitation Regimes for Terrestrial Ecosystems. <i>BioScience</i> , 2008, 58, 811-821.	2.2	959
5	Rainfall Variability, Carbon Cycling, and Plant Species Diversity in a Mesic Grassland. <i>Science</i> , 2002, 298, 2202-2205.	6.0	942
6	Assessing the Response of Terrestrial Ecosystems to Potential Changes in Precipitation. <i>BioScience</i> , 2003, 53, 941.	2.2	680
7	Herbivores and nutrients control grassland plant diversity via light limitation. <i>Nature</i> , 2014, 508, 517-520.	13.7	669
8	Dominant species maintain ecosystem function with non-random species loss. <i>Ecology Letters</i> , 2003, 6, 509-517.	3.0	591
9	An ecological perspective on extreme climatic events: a synthetic definition and framework to guide future research. <i>Journal of Ecology</i> , 2011, 99, 656-663.	1.9	572
10	Integrative modelling reveals mechanisms linking productivity and plant species richness. <i>Nature</i> , 2016, 529, 390-393.	13.7	564
11	Productivity Is a Poor Predictor of Plant Species Richness. <i>Science</i> , 2011, 333, 1750-1753.	6.0	463
12	A framework for assessing ecosystem dynamics in response to chronic resource alterations induced by global change. <i>Ecology</i> , 2009, 90, 3279-3289.	1.5	458
13	Resistance and resilience of a grassland ecosystem to climate extremes. <i>Ecology</i> , 2014, 95, 2646-2656.	1.5	458
14	Finding generality in ecology: a model for globally distributed experiments. <i>Methods in Ecology and Evolution</i> , 2014, 5, 65-73.	2.2	353
15	Does species diversity limit productivity in natural grassland communities?. <i>Ecology Letters</i> , 2007, 10, 680-689.	3.0	351
16	The ecological role of climate extremes: current understanding and future prospects. <i>Journal of Ecology</i> , 2011, 99, 651-655.	1.9	310
17	A meta-analysis of 1,119 manipulative experiments on terrestrial carbon-cycling responses to global change. <i>Nature Ecology and Evolution</i> , 2019, 3, 1309-1320.	3.4	304
18	Multiple facets of biodiversity drive the diversity–stability relationship. <i>Nature Ecology and Evolution</i> , 2018, 2, 1579-1587.	3.4	296

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19	Reconciling inconsistencies in precipitation–productivity relationships: implications for climate change. <i>New Phytologist</i> , 2017, 214, 41-47.	3.5	286
20	Fire as a fundamental ecological process: Research advances and frontiers. <i>Journal of Ecology</i> , 2020, 108, 2047-2069.	1.9	281
21	Coordinated distributed experiments: an emerging tool for testing global hypotheses in ecology and environmental science. <i>Frontiers in Ecology and the Environment</i> , 2013, 11, 147-155.	1.9	237
22	Differential sensitivity to regional-scale drought in six central US grasslands. <i>Oecologia</i> , 2015, 177, 949-957.	0.9	236
23	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.	4.2	233
24	Asymmetric responses of primary productivity to precipitation extremes: A synthesis of grassland precipitation manipulation experiments. <i>Global Change Biology</i> , 2017, 23, 4376-4385.	4.2	231
25	Drought consistently alters the composition of soil fungal and bacterial communities in grasslands from two continents. <i>Global Change Biology</i> , 2018, 24, 2818-2827.	4.2	221
26	How ecologists define drought, and why we should do better. <i>Global Change Biology</i> , 2019, 25, 3193-3200.	4.2	219
27	Exotic plant species in a C 4 -dominated grassland: invasibility, disturbance, and community structure. <i>Oecologia</i> , 1999, 120, 605-612.	0.9	204
28	Dominance not richness determines invasibility of tallgrass prairie. <i>Oikos</i> , 2004, 106, 253-262.	1.2	184
29	Coordinated approaches to quantify long-term ecosystem dynamics in response to global change. <i>Global Change Biology</i> , 2011, 17, 843-854.	4.2	165
30	Plant growth and mortality under climatic extremes: An overview. <i>Environmental and Experimental Botany</i> , 2014, 98, 13-19.	2.0	157
31	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.	1.9	145
32	Plant species'™ origin predicts dominance and response to nutrient enrichment and herbivores in global grasslands. <i>Nature Communications</i> , 2015, 6, 7710.	5.8	143
33	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.	3.3	141
34	Change in dominance determines herbivore effects on plant biodiversity. <i>Nature Ecology and Evolution</i> , 2018, 2, 1925-1932.	3.4	140
35	Asynchrony among local communities stabilises ecosystem function of metacommunities. <i>Ecology Letters</i> , 2017, 20, 1534-1545.	3.0	136
36	Pushing precipitation to the extremes in distributed experiments: recommendations for simulating wet and dry years. <i>Global Change Biology</i> , 2017, 23, 1774-1782.	4.2	132

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37	Demystifying dominant species. <i>New Phytologist</i> , 2019, 223, 1106-1126.	3.5	125
38	Imbalanced atmospheric nitrogen and phosphorus depositions in China: Implications for nutrient limitation. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2016, 121, 1605-1616.	1.3	113
39	Mean annual precipitation predicts primary production resistance and resilience to extreme drought. <i>Science of the Total Environment</i> , 2018, 636, 360-366.	3.9	109
40	Leaf nutrients, not specific leaf area, are consistent indicators of elevated nutrient inputs. <i>Nature Ecology and Evolution</i> , 2019, 3, 400-406.	3.4	97
41	Shifts in plant functional composition following long-term drought in grasslands. <i>Journal of Ecology</i> , 2019, 107, 2133-2148.	1.9	85
42	Integrating plant ecological responses to climate extremes from individual to ecosystem levels. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2017, 372, 20160142.	1.8	83
43	Variation in leaf anatomical traits from tropical to cold-temperate forests and linkage to ecosystem functions. <i>Functional Ecology</i> , 2018, 32, 10-19.	1.7	82
44	Climatic controls of aboveground net primary production in semi-arid grasslands along a latitudinal gradient portend low sensitivity to warming. <i>Oecologia</i> , 2015, 177, 959-969.	0.9	80
45	A comprehensive approach to analyzing community dynamics using rank abundance curves. <i>Ecosphere</i> , 2019, 10, e02881.	1.0	79
46	General destabilizing effects of eutrophication on grassland productivity at multiple spatial scales. <i>Nature Communications</i> , 2020, 11, 5375.	5.8	75
47	Generality in ecology: testing North American grassland rules in South African savannas. <i>Frontiers in Ecology and the Environment</i> , 2004, 2, 483-491.	1.9	74
48	Community Response to Extreme Drought (CRED): a framework for drought-induced shifts in plant-plant interactions. <i>New Phytologist</i> , 2019, 222, 52-69.	3.5	74
49	Underappreciated problems of low replication in ecological field studies. <i>Ecology</i> , 2016, 97, 2554-2561.	1.5	73
50	Habitat selection by large herbivores in a southern African savanna: the relative roles of bottom-up and top-down forces. <i>Ecosphere</i> , 2013, 4, 1-19.	1.0	70
51	Plant community response to loss of large herbivores differs between North American and South African savanna grasslands. <i>Ecology</i> , 2014, 95, 808-816.	1.5	70
52	Legacy effects of a regional drought on aboveground net primary production in six central US grasslands. <i>Plant Ecology</i> , 2018, 219, 505-515.	0.7	66
53	Asymmetry in above- and belowground productivity responses to N addition in a semi-arid temperate steppe. <i>Global Change Biology</i> , 2019, 25, 2958-2969.	4.2	63
54	Resolving the Dust Bowl paradox of grassland responses to extreme drought. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 22249-22255.	3.3	63

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55	Precipitation amount and event size interact to reduce ecosystem functioning during dry years in a mesic grassland. <i>Global Change Biology</i> , 2020, 26, 658-668.	4.2	62
56	Does ecosystem sensitivity to precipitation at the site-level conform to regional-scale predictions?. <i>Ecology</i> , 2016, 97, 561-568.	1.5	59
57	Ecophysiological responses of two dominant grasses to altered temperature and precipitation regimes. <i>Acta Oecologica</i> , 2009, 35, 400-408.	0.5	58
58	Explaining temporal variation in above-ground productivity in a mesic grassland: the role of climate and flowering. <i>Journal of Ecology</i> , 2011, 99, 1250-1262.	1.9	56
59	Different clades and traits yield similar grassland functional responses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 705-710.	3.3	56
60	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.	1.3	55
61	Rapid recovery of ecosystem function following extreme drought in a South African savanna grassland. <i>Ecology</i> , 2020, 101, e02983.	1.5	55
62	Plant community response to loss of large herbivores: comparing consequences in a South African and a North American grassland. <i>Biodiversity and Conservation</i> , 2009, 18, 2327-2342.	1.2	54
63	Precipitation-productivity relationships and the duration of precipitation anomalies: An underappreciated dimension of climate change. <i>Global Change Biology</i> , 2021, 27, 1127-1140.	4.2	53
64	Drought timing differentially affects above- and belowground productivity in a mesic grassland. <i>Plant Ecology</i> , 2017, 218, 317-328.	0.7	52
65	Controls of Aboveground Net Primary Production in Mesic Savanna Grasslands: An Inter-Hemispheric Comparison. <i>Ecosystems</i> , 2009, 12, 982-995.	1.6	51
66	Climate-biosphere interactions in a more extreme world. <i>New Phytologist</i> , 2014, 202, 356-359.	3.5	51
67	Convergent phylogenetic and functional responses to altered fire regimes in mesic savanna grasslands of North America and South Africa. <i>New Phytologist</i> , 2014, 203, 1000-1011.	3.5	51
68	Global environmental change and the nature of aboveground net primary productivity responses: insights from long-term experiments. <i>Oecologia</i> , 2015, 177, 935-947.	0.9	48
69	Altered rainfall patterns increase forb abundance and richness in native tallgrass prairie. <i>Scientific Reports</i> , 2016, 6, 20120.	1.6	48
70	A reality check for climate change experiments: Do they reflect the real world?. <i>Ecology</i> , 2018, 99, 2145-2151.	1.5	48
71	Genetic diversity of a dominant C4 grass is altered with increased precipitation variability. <i>Oecologia</i> , 2013, 171, 571-581.	0.9	47
72	Drivers of Variation in Aboveground Net Primary Productivity and Plant Community Composition Differ Across a Broad Precipitation Gradient. <i>Ecosystems</i> , 2016, 19, 521-533.	1.6	47

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73	Fire and grazing impacts on silica production and storage in grass dominated ecosystems. <i>Biogeochemistry</i> , 2010, 97, 263-278.	1.7	46
74	Semiarid ecosystem sensitivity to precipitation extremes: weak evidence for vegetation constraints. <i>Ecology</i> , 2019, 100, e02572.	1.5	46
75	Responses to fire differ between South African and North American grassland communities. <i>Journal of Vegetation Science</i> , 2014, 25, 793-804.	1.1	44
76	Ecological genomics: making the leap from model systems in the lab to native populations in the field. <i>Frontiers in Ecology and the Environment</i> , 2007, 5, 19-24.	1.9	43
77	The immediate and prolonged effects of climate extremes on soil respiration in a mesic grassland. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2016, 121, 1034-1044.	1.3	43
78	Nutrient additions cause divergence of tallgrass prairie plant communities resulting in loss of ecosystem stability. <i>Journal of Ecology</i> , 2016, 104, 1478-1487.	1.9	43
79	Species asynchrony stabilises productivity under extreme drought across Northern China grasslands. <i>Journal of Ecology</i> , 2021, 109, 1665-1675.	1.9	42
80	Nitrogen deposition promotes phosphorus uptake of plants in a semi-arid temperate grassland. <i>Plant and Soil</i> , 2016, 408, 475-484.	1.8	41
81	Standardized metrics are key for assessing drought severity. <i>Global Change Biology</i> , 2020, 26, e1-e3.	4.2	41
82	Compound hydroclimatic extremes in a semi-arid grassland: Drought, deluge, and the carbon cycle. <i>Global Change Biology</i> , 2022, 28, 2611-2621.	4.2	40
83	Growth Responses of Two Dominant C4 Grass Species to Altered Water Availability. <i>International Journal of Plant Sciences</i> , 2006, 167, 1001-1010.	0.6	38
84	Assessing community and ecosystem sensitivity to climate change – toward a more comparative approach. <i>Journal of Vegetation Science</i> , 2017, 28, 235-237.	1.1	38
85	Comparison of damage to native and exotic tallgrass prairie plants by natural enemies. <i>Plant Ecology</i> , 2008, 198, 197-210.	0.7	36
86	The effect of timing of growing season drought on flowering of a dominant C4 grass. <i>Oecologia</i> , 2016, 181, 391-399.	0.9	36
87	Effects of mycorrhizae on growth and demography of tallgrass prairie forbs. <i>American Journal of Botany</i> , 2001, 88, 1452-1457.	0.8	35
88	Gene expression profiling: opening the black box of plant ecosystem responses to global change. <i>Global Change Biology</i> , 2009, 15, 1201-1213.	4.2	35
89	Effects of extreme drought on plant nutrient uptake and resorption in rhizomatous vs bunchgrass-dominated grasslands. <i>Oecologia</i> , 2018, 188, 633-643.	0.9	35
90	Plant traits and soil fertility mediate productivity losses under extreme drought in C ₃ grasslands. <i>Ecology</i> , 2021, 102, e03465.	1.5	35

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91	Functional trait expression of grassland species shift with short- and long-term nutrient additions. <i>Plant Ecology</i> , 2015, 216, 307-318.	0.7	34
92	Is a drought a drought in grasslands? Productivity responses to different types of drought. <i>Oecologia</i> , 2021, 197, 1017-1026.	0.9	34
93	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.	1.2	32
94	Loss of a large grazer impacts savanna grassland plant communities similarly in North America and South Africa. <i>Oecologia</i> , 2014, 175, 293-303.	0.9	31
95	Long term experimental drought alters community plant trait variation, not trait means, across three semiarid grasslands. <i>Plant and Soil</i> , 2019, 442, 343-353.	1.8	31
96	Mass ratio effects underlie ecosystem responses to environmental change. <i>Journal of Ecology</i> , 2020, 108, 855-864.	1.9	31
97	Community stability does not preclude ecosystem sensitivity to chronic resource alteration. <i>Functional Ecology</i> , 2012, 26, 1231-1233.	1.7	30
98	Mechanisms of selection: Phenotypic differences among genotypes explain patterns of selection in a dominant species. <i>Ecology</i> , 2013, 94, 953-965.	1.5	30
99	Rainfall variability has minimal effects on grassland recovery from repeated grazing. <i>Journal of Vegetation Science</i> , 2014, 25, 36-44.	1.1	30
100	Variation in gene expression of <i>Andropogon gerardii</i> in response to altered environmental conditions associated with climate change. <i>Journal of Ecology</i> , 2010, 98, 374-383.	1.9	29
101	Functional differences between dominant grasses drive divergent responses to large herbivore loss in mesic savanna grasslands of North America and South Africa. <i>Journal of Ecology</i> , 2015, 103, 714-724.	1.9	28
102	Invertebrate, not small vertebrate, herbivory interacts with nutrient availability to impact tallgrass prairie community composition and forb biomass. <i>Oikos</i> , 2015, 124, 842-850.	1.2	28
103	Response of plant functional traits of <i>Leymus chinensis</i> to extreme drought in Inner Mongolia grasslands. <i>Plant Ecology</i> , 2019, 220, 141-149.	0.7	28
104	Herbivore size matters for productivity-richness relationships in African savannas. <i>Journal of Ecology</i> , 2017, 105, 674-686.	1.9	27
105	Carbon exchange responses of a mesic grassland to an extreme gradient of precipitation. <i>Oecologia</i> , 2019, 189, 565-576.	0.9	27
106	Determinants of community compositional change are equally affected by global change. <i>Ecology Letters</i> , 2021, 24, 1892-1904.	3.0	27
107	Resistance and resilience of a semi-arid grassland to multi-year extreme drought. <i>Ecological Indicators</i> , 2021, 131, 108139.	2.6	27
108	What happens after drought ends: synthesizing terms and definitions. <i>New Phytologist</i> , 2022, 235, 420-431.	3.5	27

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109	Measuring genetic diversity in ecological studies. <i>Plant Ecology</i> , 2012, 213, 1105-1115.	0.7	26
110	Prospective evidence for independent nitrogen and phosphorus limitation of grasshopper (<i>Chorthippus curtipennis</i>) growth in a tallgrass prairie. <i>PLoS ONE</i> , 2017, 12, e0177754.	1.1	25
111	Ambient changes exceed treatment effects on plant species abundance in global change experiments. <i>Global Change Biology</i> , 2018, 24, 5668-5679.	4.2	25
112	Guidelines and considerations for designing field experiments simulating precipitation extremes in forest ecosystems. <i>Methods in Ecology and Evolution</i> , 2018, 9, 2310-2325.	2.2	24
113	Terrestrial Precipitation Analysis (<scp>TPA</scp>): A resource for characterizing long-term precipitation regimes and extremes. <i>Methods in Ecology and Evolution</i> , 2016, 7, 1396-1401.	2.2	23
114	Shared Drivers but Divergent Ecological Responses: Insights from Long-Term Experiments in Mesic Savanna Grasslands. <i>BioScience</i> , 2016, 66, 666-682.	2.2	20
115	Lineage-based functional types: characterising functional diversity to enhance the representation of ecological behaviour in Land Surface Models. <i>New Phytologist</i> , 2020, 228, 15-23.	3.5	20
116	Experimental drought re-ordered assemblages of root-associated fungi across North American grasslands. <i>Journal of Ecology</i> , 2021, 109, 776-792.	1.9	17
117	Intra-specific responses of a dominant C4 grass to altered precipitation patterns. <i>Plant Ecology</i> , 2013, 214, 1377-1389.	0.7	16
118	Relationships between aboveground and belowground trait responses of a dominant plant species to alterations in watertable depth. <i>Land Degradation and Development</i> , 2018, 29, 4015-4024.	1.8	16
119	Climate legacies determine grassland responses to future rainfall regimes. <i>Global Change Biology</i> , 2022, 28, 2639-2656.	4.2	16
120	Invasion of an intact plant community: the role of population versus community level diversity. <i>Oecologia</i> , 2012, 168, 1091-1102.	0.9	15
121	Genetic and functional variation across regional and local scales is associated with climate in a foundational prairie grass. <i>New Phytologist</i> , 2020, 227, 352-364.	3.5	15
122	Temperature patterns of soil carbon: nitrogen: phosphorus stoichiometry along the 400Åmm isohyet in China. <i>Catena</i> , 2021, 203, 105338.	2.2	15
123	Invasibility of a mesic grassland depends on the time-scale of fluctuating resources. <i>Journal of Ecology</i> , 2015, 103, 1538-1546.	1.9	14
124	Linking gene regulation, physiology, and plant biomass allocation in <i>Andropogon gerardii</i> in response to drought. <i>Plant Ecology</i> , 2018, 219, 1-15.	0.7	14
125	Differential responses of grassland community nonstructural carbohydrate to experimental drought along a natural aridity gradient. <i>Science of the Total Environment</i> , 2022, 822, 153589.	3.9	14
126	A TEST FOR COMMUNITY CHANGE USING A NULL MODEL APPROACH. , 2005, 15, 1761-1771.		13

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127	Resource availability modulates above- and below-ground competitive interactions between genotypes of a dominant grass. <i>Functional Ecology</i> , 2014, 28, 1041-1051.	1.7	13
128	Long term prevention of disturbance induces the collapse of a dominant species without altering ecosystem function. <i>Scientific Reports</i> , 2015, 5, 14320.	1.6	13
129	Effects of Feral Horse Herds on Rangeland Plant Communities across a Precipitation Gradient. <i>Western North American Naturalist</i> , 2017, 77, 526-539.	0.2	13
130	Limiting similarity mediates plant community niche hypervolume across a desert-steppe ecotone of Inner Mongolia. <i>Environmental and Experimental Botany</i> , 2018, 153, 320-326.	2.0	13
131	Functional diversity response to geographic and experimental precipitation gradients varies with plant community type. <i>Functional Ecology</i> , 2021, 35, 2119-2132.	1.7	13
132	Correlations between genetic and species diversity: effects of resource quantity and heterogeneity. <i>Journal of Vegetation Science</i> , 2013, 24, 1185-1194.	1.1	12
133	Understanding ecosystems of the future will require more than realistic climate change experiments – A response to Korell et al.. <i>Global Change Biology</i> , 2020, 26, e6-e7.	4.2	12
134	Why Coordinated Distributed Experiments Should Go Global. <i>BioScience</i> , 2021, 71, 918-927.	2.2	12
135	Dominant species control effects of nitrogen addition on ecosystem stability. <i>Science of the Total Environment</i> , 2022, 838, 156060.	3.9	11
136	The effect of genotype richness and genomic dissimilarity of <i>Andropogon gerardii</i> on invasion resistance and productivity. <i>Plant Ecology and Diversity</i> , 2015, 8, 61-71.	1.0	10
137	Changes in species abundances with short-term and long-term nitrogen addition are mediated by stoichiometric homeostasis. <i>Plant and Soil</i> , 2021, 469, 39-48.	1.8	10
138	Effects of Compounded Precipitation Pattern Intensification and Drought Occur Belowground in a Mesic Grassland. <i>Ecosystems</i> , 2022, 25, 1265-1278.	1.6	10
139	Repeated extreme droughts decrease root production, but not the potential for post-drought recovery of root production, in a mesic grassland. <i>Oikos</i> , 2023, 2023, .	1.2	10
140	Surrogates Underpin Ecological Understanding and Practice. <i>BioScience</i> , 2018, 68, 640-642.	2.2	8
141	Temporal variability in production is not consistently affected by global change drivers across herbaceous-dominated ecosystems. <i>Oecologia</i> , 2020, 194, 735-744.	0.9	8
142	Direct and indirect relationships between genetic diversity of a dominant grass, community diversity and above-ground productivity in tallgrass prairie. <i>Journal of Vegetation Science</i> , 2014, 25, 470-480.	1.1	7
143	Gene expression patterns of two dominant tallgrass prairie species differ in response to warming and altered precipitation. <i>Scientific Reports</i> , 2016, 6, 25522.	1.6	7
144	Precipitation and environmental constraints on three aspects of flowering in three dominant tallgrass species. <i>Functional Ecology</i> , 2017, 31, 1894-1902.	1.7	7

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145	Weak latitudinal gradients in insect herbivory for dominant rangeland grasses of North America. <i>Ecology and Evolution</i> , 2020, 10, 6385-6394.	0.8	7
146	Codominant grasses differ in gene expression under experimental climate extremes in native tallgrass prairie. <i>PeerJ</i> , 2018, 6, e4394.	0.9	7
147	Gene expression differs in codominant prairie grasses under drought. <i>Molecular Ecology Resources</i> , 2018, 18, 334-346.	2.2	6
148	Resources do not limit compensatory response of a tallgrass prairie plant community to the loss of a dominant species. <i>Journal of Ecology</i> , 2021, 109, 3617-3633.	1.9	6
149	Sediment addition and legume cultivation result in sustainable, long-term increases in ecosystem functions of sandy grasslands. <i>Land Degradation and Development</i> , 2019, 30, 1667-1676.	1.8	5
150	Nonlinear drought plasticity reveals intraspecific diversity in a dominant grass species. <i>Functional Ecology</i> , 2021, 35, 463-474.	1.7	5
151	Does ecosystem sensitivity to precipitation at the site-level conform to regional-scale predictions?. <i>Ecology</i> , 2016, 97, 561.	1.5	5
152	Do trade-offs govern plant species' responses to different global change treatments?. <i>Ecology</i> , 2022, 103, e3626.	1.5	5
153	Richness, not evenness, varies across water availability gradients in grassy biomes on five continents. <i>Oecologia</i> , 2022, 199, 649-659.	0.9	5
154	Thinking inside the Box: Tissue Culture for Plant Propagation in a Key Ecological Species, <i>&lt;i>Andropogon gerardii</i> </i>. <i>American Journal of Plant Sciences</i> , 2018, 09, 1987-2003.	0.3	4
155	Autotrophic respiration is more sensitive to nitrogen addition and grazing than heterotrophic respiration in a meadow steppe. <i>Catena</i> , 2022, 213, 106207.	2.2	4
156	Drought and small-bodied herbivores modify nutrient cycling in the semi-arid shortgrass steppe. <i>Plant Ecology</i> , 2019, 220, 227-239.	0.7	3
157	Divergent interactive impacts on productivity and functional diversity from fluctuated snowfall and continuous nitrogen pollution within Inner Mongolian. <i>Science of the Total Environment</i> , 2020, 704, 135443.	3.9	3
158	Defining codominance in plant communities. <i>New Phytologist</i> , 2021, 230, 1716-1730.	3.5	2
159	Limited legacy effects of extreme multiyear drought on carbon and nitrogen cycling in a mesic grassland. <i>Elementa</i> , 2022, 10, .	1.1	2
160	Herbivores alleviate the negative effects of extreme drought on plant community by enhancing dominant species. <i>Journal of Plant Ecology</i> , 2021, 14, 1030-1036.	1.2	1