David L Hoover

List of Publications by Year
in descending order

Version: 2024-02-01

33 papers	2,016 citations	361413 20 h-index	414414 32 g-index
33 all docs	33 docs citations	33 times ranked	2876 citing authors

#	Article	IF	Citations
1	Resistance and resilience of a grassland ecosystem to climate extremes. Ecology, 2014, 95, 2646-2656.	3.2	458
2	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
3	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
4	Pushing precipitation to the extremes in distributed experiments: recommendations for simulating wet and dry years. Global Change Biology, 2017, 23, 1774-1782.	9.5	132
5	Not all droughts are created equal: the impacts of interannual drought pattern and magnitude on grassland carbon cycling. Global Change Biology, 2016, 22, 1809-1820.	9.5	109
6	Experimental droughts with rainout shelters: a methodological review. Ecosphere, 2018, 9, e02088.	2.2	83
7	Traversing the Wasteland: A Framework for Assessing Ecological Threats to Drylands. BioScience, 2020, 70, 35-47.	4.9	74
8	Shrub persistence and increased grass mortality in response to drought in dryland systems. Global Change Biology, 2019, 25, 3121-3135.	9.5	60
9	A test of two mechanisms proposed to optimize grassland aboveground primary productivity in response to grazing. Journal of Plant Ecology, 2012, 5, 357-365.	2.3	59
10	Pulse-drought atop press-drought: unexpected plant responses and implications for dryland ecosystems. Oecologia, 2015, 179, 1211-1221.	2.0	55
11	Rapid recovery of ecosystem function following extreme drought in a South African savanna grassland. Ecology, 2020, 101, e02983.	3.2	55
12	When does extreme drought elicit extreme ecological responses?. Journal of Ecology, 2019, 107, 2553-2563.	4.0	45
13	The immediate and prolonged effects of climate extremes on soil respiration in a mesic grassland. Journal of Geophysical Research G: Biogeosciences, 2016, 121, 1034-1044.	3.0	43
14	Compound hydroclimatic extremes in a semiâ€arid grassland: Drought, deluge, and the carbon cycle. Global Change Biology, 2022, 28, 2611-2621.	9.5	40
15	Toward a better integration of biological data from precipitation manipulation experiments into Earth system models. Reviews of Geophysics, 2014, 52, 412-434.	23.0	39
16	Testing the apparent resistance of three dominant plants to chronic drought on the Colorado Plateau. Journal of Ecology, 2017, 105, 152-162.	4.0	35
17	Drought resistance and resilience: The role of soil moistureâ€“plant interactions and legacies in a dryland ecosystem. Journal of Ecology, 2021, 109, 3280-3294.	4.0	34
18	Mass ratio effects underlie ecosystem responses to environmental change. Journal of Ecology, 2020, 108, 855-864.	4.0	31

#	Article	IF	Citations
19	Resistance and resilience of a semi-arid grassland to multi-year extreme drought. Ecological Indicators, 2021, 131, 108139.	6.3	27
20	Comparative analysis of water budgets across the U.S. long-term agroecosystem research network. Journal of Hydrology, 2020, 588, 125021.	5.4	24
21	Decline in biological soil crust N-fixing lichens linked to increasing summertime temperatures. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2120975119.	7.1	24
22	Shared Drivers but Divergent Ecological Responses: Insights from Long-Term Experiments in Mesic Savanna Grasslands. BioScience, 2016, 66, 666-682.	4.9	20
23	Sensitivity of productivity to precipitation amount and pattern varies by topographic position in a semiarid grassland. Ecosphere, 2021, 12, e03376.	2.2	18
24	Monitoring agroecosystem productivity and phenology at a national scale: A metric assessment framework. Ecological Indicators, 2021, 131, 108147.	6.3	16
25	Invasibility of a mesic grassland depends on the timeâ€scale of fluctuating resources. Journal of Ecology, 2015, 103, 1538-1546.	4.0	14
26	Largeâ€scale and local climatic controls on large herbivore productivity: implications for adaptive rangeland management. Ecological Applications, 2020, 30, e02053.	3.8	14
27	Repeated extreme droughts decrease root production, but not the potential for postâ€drought recovery of root production, in a mesic grassland. Oikos, 2023, 2023, .	2.7	10
28	Photosynthetic responses of a dominant C4 grass to an experimental heat wave are mediated by soil moisture. Oecologia, 2017, 183, 303-313.	2.0	9
29	Comparing water-related plant functional traits among dominant grasses of the Colorado Plateau: Implications for drought resistance. Plant and Soil, 2019, 441, 207-218.	3.7	9
30	Measuring the social and ecological performance of agricultural innovations on rangelands: Progress and plans for an indicator framework in the LTAR network. Rangelands, 2022, 44, 334-344.	1.9	8
31	Seasonal and individual event-responsiveness are key determinants of carbon exchange across plant functional types. Oecologia, 2020, 193, 811-825.	2.0	5
32	Semiarid grasslands and extreme precipitation events: do experimental results scale to the landscape?. Ecology, 2021, 102, e03437.	3.2	2
33	Largeâ€Scale and Local Climatic Controls on Large Herbivore Productivity: Implications for Adaptive Rangeland Management. Bulletin of the Ecological Society of America, 2020, 101, e01665.	0.2	0