

# Scott L Collins

## List of Publications by Year in descending order

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Version: 2024-02-01

297  
papers

27,188  
citations

4942

84  
h-index

6979

154  
g-index

306  
all docs

306  
docs citations

306  
times ranked

21122  
citing authors

#	ARTICLE	IF	CITATIONS
1	Soil carbon stocks in temperate grasslands differ strongly across sites but are insensitive to decade-long fertilization. <i>Global Change Biology</i> , 2022, 28, 1659-1677.	4.2	34
2	Climate mediates long-term impacts of rodent exclusion on desert plant communities. <i>Ecological Monographs</i> , 2022, 92, .	2.4	3
3	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
4	Contrasting responses of plant above and belowground biomass carbon pools to extreme drought in six grasslands spanning an aridity gradient. <i>Plant and Soil</i> , 2022, 473, 167-180.	1.8	13
5	Soil N enrichment mediates carbon allocation through respiration in a dominant grass during drought. <i>Functional Ecology</i> , 2022, 36, 1204-1215.	1.7	10
6	Searching for Diversity, Equity, and Inclusion. <i>BioScience</i> , 2022, 72, 319-319.	2.2	1
7	Do trade-offs govern plant species' responses to different global change treatments?. <i>Ecology</i> , 2022, 103, e3626.	1.5	5
8	Managing for Change. <i>BioScience</i> , 2022, 72, 3-3.	2.2	1
9	Rainfall pulse regime drives biomass and community composition in biological soil crusts. <i>Ecology</i> , 2022, 103, e3744.	1.5	10
10	Belowground responses to altered precipitation regimes in two semi-arid grasslands. <i>Soil Biology and Biochemistry</i> , 2022, 171, 108725.	4.2	18
11	Temporal Effects of Monsoon Rainfall Pulses on Plant Available Nitrogen in a Chihuahuan Desert Grassland. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2022, 127, .	1.3	10
12	Richness, not evenness, varies across water availability gradients in grassy biomes on five continents. <i>Oecologia</i> , 2022, 199, 649-659.	0.9	5
13	Sensitivity of soil organic matter to climate and fire in a desert grassland. <i>Biogeochemistry</i> , 2021, 156, 59-74.	1.7	7
14	A meta-analysis of primary productivity and rain use efficiency in terrestrial grassland ecosystems. <i>Land Degradation and Development</i> , 2021, 32, 842-850.	1.8	6
15	Nutrient additions have direct and indirect effects on biocrust biomass in a long-term Chihuahuan Desert grassland experiment. <i>Journal of Arid Environments</i> , 2021, 184, 104317.	1.2	12
16	Increasing effects of chronic nutrient enrichment on plant diversity loss and ecosystem productivity over time. <i>Ecology</i> , 2021, 102, e03218.	1.5	62
17	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
18	Nonlinear decoupling of autotrophic and heterotrophic soil respiration in response to drought duration and N addition in a meadow steppe. <i>Biology and Fertility of Soils</i> , 2021, 57, 281-291.	2.3	7

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19	Network Level Science, Social-Ecological Research and the LTER Planning Process. Archimedes, 2021, , 403-421.	0.3	0
20	Is a drought a drought in grasslands? Productivity responses to different types of drought. Oecologia, 2021, 197, 1017-1026.	0.9	34
21	Species asynchrony stabilises productivity under extreme drought across Northern China grasslands. Journal of Ecology, 2021, 109, 1665-1675.	1.9	42
22	Soil Seed Banks, Alternative Stable State Theory, and Ecosystem Resilience. BioScience, 2021, 71, 697-707.	2.2	31
23	Water and nitrogen shape winter annual plant diversity and community composition in near-urban Sonoran Desert preserves. Ecological Monographs, 2021, 91, 1-19.	2.4	19
24	State changes: insights from the U.S. Long Term Ecological Research Network. Ecosphere, 2021, 12, e03433.	1.0	6
25	Why Coordinated Distributed Experiments Should Go Global. BioScience, 2021, 71, 918-927.	2.2	12
26	Determinants of community compositional change are equally affected by global change. Ecology Letters, 2021, 24, 1892-1904.	3.0	27
27	How encroaching shrubs and nutrients affect N <sub>2</sub> -fixation in the Chihuahuan desert. Plant and Soil, 2021, 466, 545-556.	1.8	2
28	Divergent responses of primary production to increasing precipitation variability in global drylands. Global Change Biology, 2021, 27, 5225-5237.	4.2	31
29	Nitrogen addition amplifies the nonlinear drought response of grassland productivity to extended growing-season droughts. Ecology, 2021, 102, e03483.	1.5	28
30	Plant traits and soil fertility mediate productivity losses under extreme drought in C <sub>3</sub> grasslands. Ecology, 2021, 102, e03465.	1.5	35
31	Will Anyone Listen This Time?. BioScience, 2021, 71, 891-891.	2.2	0
32	Soil fungal composition changes with shrub encroachment in the northern Chihuahuan Desert. Fungal Ecology, 2021, 53, 101096.	0.7	4
33	Patterns and trends of organic matter processing and transport: Insights from the US long-term ecological research network. Climate Change Ecology, 2021, 2, 100025.	0.9	3
34	Fire frequency, state change and hysteresis in tallgrass prairie. Ecology Letters, 2021, 24, 636-647.	3.0	38
35	Diversity Survey Results. BioScience, 2021, 71, 1115-1115.	2.2	0
36	Extreme drought has limited effects on soil seed bank composition in desert grasslands. Journal of Vegetation Science, 2021, 32, e13089.	1.1	14

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37	Quantitative Environmental Science. <i>BioScience</i> , 2021, 71, 1199-1199.	2.2	0
38	Soil heterogeneity increases plant diversity after 20 years of manipulation during grassland restoration. <i>Ecological Applications</i> , 2020, 30, e02014.	1.8	22
39	Sensitivity of primary production to precipitation across the United States. <i>Ecology Letters</i> , 2020, 23, 527-536.	3.0	109
40	Rainfall pulses increased short-term biocrust chlorophyll but not fungal abundance or N availability in a long-term dryland rainfall manipulation experiment. <i>Soil Biology and Biochemistry</i> , 2020, 142, 107693.	4.2	8
41	Arts and Science in <i>BioScience</i> . <i>BioScience</i> , 2020, 70, 727-727.	2.2	0
42	Improving collaborations between empiricists and modelers to advance grassland community dynamics in ecosystem models. <i>New Phytologist</i> , 2020, 228, 1467-1471.	3.5	5
43	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
44	Changing Disturbance Regimes: The New Normal?. <i>BioScience</i> , 2020, 70, 839-839.	2.2	1
45	General destabilizing effects of eutrophication on grassland productivity at multiple spatial scales. <i>Nature Communications</i> , 2020, 11, 5375.	5.8	75
46	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
47	Microbial processing of plant remains is co-limited by multiple nutrients in global grasslands. <i>Global Change Biology</i> , 2020, 26, 4572-4582.	4.2	27
48	Direct and indirect effects of temperature and precipitation on alpine seed banks in the Tibetan Plateau. <i>Ecological Applications</i> , 2020, 30, e02096.	1.8	35
49	Rapid recovery of ecosystem function following extreme drought in a South African savanna grassland. <i>Ecology</i> , 2020, 101, e02983.	1.5	55
50	Press-pulse interactions and long-term community dynamics in a Chihuahuan Desert grassland. <i>Journal of Vegetation Science</i> , 2020, 31, 722-732.	1.1	21
51	Synthesis in Ecology. <i>BioScience</i> , 2020, 70, 1041-1041.	2.2	1
52	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
53	Shifts in plant functional composition following long-term drought in grasslands. <i>Journal of Ecology</i> , 2019, 107, 2133-2148.	1.9	85
54	Connecting Plant-Soil Feedbacks to Long-Term Stability in a Desert Grassland. <i>Bulletin of the Ecological Society of America</i> , 2019, 100, e01582.	0.2	0

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55	Potential vulnerability of 348 herbaceous species to atmospheric deposition of nitrogen and sulfur in the United States. <i>Nature Plants</i> , 2019, 5, 697-705.	4.7	52
56	Reimagining NEON Operations: We Can Do Better. <i>BioScience</i> , 2019, , .	2.2	1
57	Soil net nitrogen mineralisation across global grasslands. <i>Nature Communications</i> , 2019, 10, 4981.	5.8	57
58	NEON Should Be Run by Ecologists for Ecologists. <i>BioScience</i> , 2019, 69, 319-319.	2.2	3
59	Integrating Species-specific Information in Models Improves Regional Projections Under Climate Change. <i>Geophysical Research Letters</i> , 2019, 46, 6554-6562.	1.5	10
60	Minimal mortality and rapid recovery of the dominant shrub <i>Larrea tridentata</i> following an extreme cold event in the northern Chihuahuan Desert. <i>Journal of Vegetation Science</i> , 2019, 30, 963-972.	1.1	10
61	Foraging strategies of individual silky pocket mice over a boom-bust cycle in a stochastic dryland ecosystem. <i>Oecologia</i> , 2019, 190, 569-578.	0.9	12
62	Connecting plant-soil feedbacks to long-term stability in a desert grassland. <i>Ecology</i> , 2019, 100, e02756.	1.5	31
63	The competitive advantage of a constitutive CAM species over a C <sub>4</sub> grass species under drought and CO <sub>2</sub> enrichment. <i>Ecosphere</i> , 2019, 10, e02721.	1.0	13
64	The combined effects of an extreme heatwave and wildfire on tallgrass prairie vegetation. <i>Journal of Vegetation Science</i> , 2019, 30, 687-697.	1.1	15
65	Experimental drought reduces genetic diversity in the grassland foundation species <i>Bouteloua eriopoda</i> . <i>Oecologia</i> , 2019, 189, 1107-1120.	0.9	15
66	A comprehensive approach to analyzing community dynamics using rank abundance curves. <i>Ecosphere</i> , 2019, 10, e02881.	1.0	79
67	Foundations and Frontiers of Ecosystem Science: Legacy of a Classic Paper (Odum 1969). <i>Ecosystems</i> , 2019, 22, 1160-1172.	1.6	13
68	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
69	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
70	Making Our Planet Great Again. <i>BioScience</i> , 2018, 68, 51-51.	2.2	0
71	Temporal heterogeneity increases with spatial heterogeneity in ecological communities. <i>Ecology</i> , 2018, 99, 858-865.	1.5	56
72	Regional grassland productivity responses to precipitation during multiyear above- and below-average rainfall periods. <i>Global Change Biology</i> , 2018, 24, 1935-1951.	4.2	71

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73	Climate sensitivity functions and net primary production: A framework for incorporating climate mean and variability. <i>Ecology</i> , 2018, 99, 576-582.	1.5	73
74	Henry Lewis Gholz, 1951–2017. <i>Bulletin of the Ecological Society of America</i> , 2018, 99, 48-51.	0.2	0
75	Exposure to predicted precipitation patterns decreases population size and alters community structure of cyanobacteria in biological soil crusts from the Chihuahuan Desert. <i>Environmental Microbiology</i> , 2018, 20, 259-269.	1.8	83
76	The Limiting Factor: Does the New NSF Policy Jeopardize Research?. <i>BioScience</i> , 2018, 68, 931-931.	2.2	0
77	Change in dominance determines herbivore effects on plant biodiversity. <i>Nature Ecology and Evolution</i> , 2018, 2, 1925-1932.	3.4	140
78	Montane valley grasslands are highly resistant to summer wildfire. <i>Journal of Vegetation Science</i> , 2018, 29, 1017-1028.	1.1	5
79	Connectivity and Scale in Dryland Ecosystems. <i>BioScience</i> , 2018, 68, 649-652.	2.2	0
80	Getting Started With Sensor Networks in Experimental Ecology: Pitfalls and Pratfalls. <i>Bulletin of the Ecological Society of America</i> , 2018, 99, 277-283.	0.2	0
81	Spatial heterogeneity in species composition constrains plant community responses to herbivory and fertilisation. <i>Ecology Letters</i> , 2018, 21, 1364-1371.	3.0	38
82	Editorial Boards Must Be Internationally Representative. <i>BioScience</i> , 2018, 68, 235-235.	2.2	0
83	The interactive effects of press/pulse intensity and duration on regime shifts at multiple scales. <i>Ecological Monographs</i> , 2017, 87, 198-218.	2.4	58
84	Skills and Knowledge for Data-Intensive Environmental Research. <i>BioScience</i> , 2017, 67, 546-557.	2.2	68
85	Science Communication. <i>BioScience</i> , 2017, 67, 487-487.	2.2	2
86	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
87	The influence of seasonal precipitation and grass competition on 20 years of forb dynamics in northern Chihuahuan Desert grassland. <i>Journal of Vegetation Science</i> , 2017, 28, 250-259.	1.1	30
88	Species reordering, not changes in richness, drives long-term dynamics in grassland communities. <i>Ecology Letters</i> , 2017, 20, 1556-1565.	3.0	62
89	Asynchrony among local communities stabilises ecosystem function of metacommunities. <i>Ecology Letters</i> , 2017, 20, 1534-1545.	3.0	136
90	The effect of nitrogen availability and water conditions on competition between a facultative CAM plant and an invasive grass. <i>Ecology and Evolution</i> , 2017, 7, 7739-7749.	0.8	10

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91	Boomâ€‘bust economics and vegetation dynamics in a desert city: How strong is the link?. <i>Ecosphere</i> , 2017, 8, e01826.	1.0	9
92	Changes in spatial variance during a grassland to shrubland state transition. <i>Journal of Ecology</i> , 2017, 105, 750-760.	1.9	41
93	Pressâ€‘pulse interactions: effects of warming, N deposition, altered winter precipitation, and fire on desert grassland community structure and dynamics. <i>Global Change Biology</i> , 2017, 23, 1095-1108.	4.2	49
94	Herbivore size matters for productivityâ€‘richness relationships in African savannas. <i>Journal of Ecology</i> , 2017, 105, 674-686.	1.9	27
95	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
96	The Coming Era of Open Data. <i>BioScience</i> , 2017, 67, 191-192.	2.2	2
97	Building the BioScience Community. <i>BioScience</i> , 2017, 67, 3-3.	2.2	5
98	BioScience Signs TOP Guidelines. <i>BioScience</i> , 2017, 67, 871-871.	2.2	1
99	Fire frequency drives habitat selection by a diverse herbivore guild impacting topâ€‘down control of plant communities in an African savanna. <i>Oikos</i> , 2016, 125, 1636-1646.	1.2	32
100	Mechanisms of shrub encroachment into Northern Chihuahuan Desert grasslands and impacts of climate change investigated using a cellular automata model. <i>Advances in Water Resources</i> , 2016, 91, 46-62.	1.7	38
101	Conditional vulnerability of plant diversity to atmospheric nitrogen deposition across the United States. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 4086-4091.	3.3	287
102	When the economic engine stalls âˆ’ A multi-scale comparison of vegetation dynamics in pre- and post-recession Phoenix, Arizona, USA. <i>Landscape and Urban Planning</i> , 2016, 153, 140-148.	3.4	11
103	<scp>codyn</scp>: An <scp>r</scp> package of community dynamics metrics. <i>Methods in Ecology and Evolution</i> , 2016, 7, 1146-1151.	2.2	175
104	Vegetation science in the age of big data. <i>Journal of Vegetation Science</i> , 2016, 27, 865-867.	1.1	2
105	The sensitivity of carbon exchanges in Great Plains grasslands to precipitation variability. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2016, 121, 280-294.	1.3	33
106	Temperature response of soil respiration largely unaltered with experimental warming. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 13797-13802.	3.3	308
107	Altered rainfall patterns increase forb abundance and richness in native tallgrass prairie. <i>Scientific Reports</i> , 2016, 6, 20120.	1.6	48
108	Environmental heterogeneity has a weak effect on diversity during community assembly in tallgrass prairie. <i>Ecological Monographs</i> , 2016, 86, 94-106.	2.4	44

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109	Enhancing the Future of <i>BioScience</i> . <i>BioScience</i> , 2016, 66, 435-435.	2.2	0
110	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
111	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
112	Comment on "Worldwide evidence of a unimodal relationship between productivity and plant species richness". <i>Science</i> , 2016, 351, 457-457.	6.0	16
113	Grassland productivity limited by multiple nutrients. <i>Nature Plants</i> , 2015, 1, 15080.	4.7	403
114	The ecological role of small rainfall events in a desert grassland. <i>Ecohydrology</i> , 2015, 8, 1614-1622.	1.1	34
115	Top-down vs. bottom-up regulation of herbaceous primary production and composition in an arid, urbanizing ecosystem. <i>Journal of Arid Environments</i> , 2015, 116, 103-114.	1.2	11
116	Grassland to shrubland state transitions enhance carbon sequestration in the northern Chihuahuan Desert. <i>Global Change Biology</i> , 2015, 21, 1226-1235.	4.2	91
117	Long-Term Dynamics and Hotspots of Change in a Desert Grassland Plant Community. <i>American Naturalist</i> , 2015, 185, E30-E43.	1.0	43
118	Differential sensitivity to regional-scale drought in six central US grasslands. <i>Oecologia</i> , 2015, 177, 949-957.	0.9	236
119	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
120	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
121	Anthropogenic nitrogen deposition predicts local grassland primary production worldwide. <i>Ecology</i> , 2015, 96, 1459-1465.	1.5	143
122	Soil enzyme responses to varying rainfall regimes in Chihuahuan Desert soils. <i>Ecosphere</i> , 2015, 6, 1-10.	1.0	45
123	Earth Stewardship: An Initiative by the Ecological Society of America to Foster Engagement to Sustain Planet Earth. <i>Ecology and Ethics</i> , 2015, , 173-194.	0.2	14
124	Can current moisture responses predict soil CO <sub>2</sub> efflux under altered precipitation regimes? A synthesis of manipulation experiments. <i>Biogeosciences</i> , 2014, 11, 2991-3013.	1.3	74
125	Corrigendum to "Can current moisture responses predict soil CO <sub>2</sub> efflux under altered precipitation regimes? A synthesis of manipulation experiments". <i>Biogeosciences</i> , 2014, 11, 3307-3308.	1.3	10
126	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



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127	Chihuahuan Desert Grassland Responds Similarly to Fall, Spring, and Summer Fires During Prolonged Drought. <i>Rangeland Ecology and Management</i> , 2014, 67, 621-628.	1.1	9
128	Long-Term Ecological Research and Network-Level Science. <i>Eos</i> , 2014, 95, 293-294.	0.1	11
129	Resilience and recovery potential of duneland vegetation in the southern Kalahari. <i>Ecosphere</i> , 2014, 5, 1-14.	1.0	33
130	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
131	Rainfall variability has minimal effects on grassland recovery from repeated grazing. <i>Journal of Vegetation Science</i> , 2014, 25, 36-44.	1.1	30
132	A Multiscale, Hierarchical Model of Pulse Dynamics in Arid-Land Ecosystems. <i>Annual Review of Ecology, Evolution, and Systematics</i> , 2014, 45, 397-419.	3.8	153
133	Effects of monsoon precipitation variability on the physiological response of two dominant C4 grasses across a semiarid ecotone. <i>Oecologia</i> , 2014, 176, 751-762.	0.9	20
134	Differential effects of extreme drought on production and respiration: synthesis and modeling analysis. <i>Biogeosciences</i> , 2014, 11, 621-633.	1.3	87
135	Regional trends and local variability in monsoon precipitation in the northern Chihuahuan Desert, USA. <i>Journal of Arid Environments</i> , 2014, 103, 63-70.	1.2	84
136	Eutrophication weakens stabilizing effects of diversity in natural grasslands. <i>Nature</i> , 2014, 508, 521-525.	13.7	409
137	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
138	Biotic mechanisms of community stability shift along a precipitation gradient. <i>Ecology</i> , 2014, 95, 1693-1700.	1.5	161
139	Interactive effects of grazing, drought, and fire on grassland plant communities in North America and South Africa. <i>Ecology</i> , 2014, 95, 98-109.	1.5	145
140	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
141	Climate Change Impacts on Future Carbon Stores and Management of Warm Deserts of the United States. <i>Rangelands</i> , 2014, 36, 16-24.	0.9	12
142	Cost Implications of Carbon Capture and Storage for the Coal Power Plants in India. <i>Energy Procedia</i> , 2014, 54, 431-438.	1.8	34
143	Small-scale patch structure in North American and South African grasslands responds differently to fire and grazing. <i>Landscape Ecology</i> , 2013, 28, 1293-1306.	1.9	37
144	Sensitivity of grassland plant community composition to spatial vs. temporal variation in precipitation. <i>Ecology</i> , 2013, 94, 1687-1696.	1.5	191

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145	Effects of experimental rainfall manipulations on Chihuahuan Desert grassland and shrubland plant communities. <i>Oecologia</i> , 2013, 172, 1117-1127.	0.9	115
146	Vegetationâ€“microclimate feedbacks in woodlandâ€“grassland ecotones. <i>Global Ecology and Biogeography</i> , 2013, 22, 364-379.	2.7	142
147	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
148	Landscape Diversity. , 2013, , 476-487.		2
149	Opening access to ESA journals. <i>Frontiers in Ecology and the Environment</i> , 2013, 11, 3-3.	1.9	2
150	Long-Term Ecological Research in a Human-Dominated World. <i>BioScience</i> , 2012, 62, 342-353.	2.2	53
151	A test of two mechanisms proposed to optimize grassland aboveground primary productivity in response to grazing. <i>Journal of Plant Ecology</i> , 2012, 5, 357-365.	1.2	59
152	Past, Present, and Future Roles of Long-Term Experiments in the LTER Network. <i>BioScience</i> , 2012, 62, 377-389.	2.2	116
153	How Can Science Be General, Yet Specific? The Conundrum of Rangeland Science in the 21st Century. <i>Rangeland Ecology and Management</i> , 2012, 65, 613-622.	1.1	12
154	Woody encroachment decreases diversity across North American grasslands and savannas. <i>Ecology</i> , 2012, 93, 697-703.	1.5	374
155	Response to Comments on â€œProductivity Is a Poor Predictor of Plant Species Richnessâ€. <i>Science</i> , 2012, 335, 1441-1441.	6.0	30
156	Shifting species interactions in terrestrial dryland ecosystems under altered water availability and climate change. <i>Biological Reviews</i> , 2012, 87, 563-582.	4.7	141
157	Precipitation variability and fire influence the temporal dynamics of soil $\text{CO}_2$ efflux in an arid grassland. <i>Global Change Biology</i> , 2012, 18, 1401-1411.	4.2	113
158	Effects of fire on belowground biomass in Chihuahuan desert grassland. <i>Ecosphere</i> , 2012, 3, 1-13.	1.0	5
159	Above- and belowground responses to nitrogen addition in a Chihuahuan Desert grassland. <i>Oecologia</i> , 2012, 169, 177-185.	0.9	103
160	Incorporating clonal growth form clarifies the role of plant height in response to nitrogen addition. <i>Oecologia</i> , 2012, 169, 1053-1062.	0.9	90
161	Variation in monsoon precipitation drives spatial and temporal patterns of <i>Larrea tridentata</i> growth in the Sonoran Desert. <i>Functional Ecology</i> , 2012, 26, 750-758.	1.7	29
162	Stability of tallgrass prairie during a 19â€“year increase in growing season precipitation. <i>Functional Ecology</i> , 2012, 26, 1450-1459.	1.7	81

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163	Effects of fire, grazing and topographic variation on vegetation structure in tallgrass prairie. <i>Journal of Vegetation Science</i> , 2012, 23, 563-575.	1.1	141
164	An integrated conceptual framework for long-term social ecological research. <i>Frontiers in Ecology and the Environment</i> , 2011, 9, 351-357.	1.9	462
165	Ecosystem response to nutrient enrichment across an urban airshed in the Sonoran Desert. , 2011, 21, 640-660.		58
166	Earth Stewardship: science for action to sustain the human-earth system. <i>Ecosphere</i> , 2011, 2, art89.	1.0	154
167	Abundance of introduced species at home predicts abundance away in herbaceous communities. <i>Ecology Letters</i> , 2011, 14, 274-281.	3.0	88
168	Effect of precipitation variability on net primary production and soil respiration in a Chihuahuan Desert grassland. <i>Global Change Biology</i> , 2011, 17, 1505-1515.	4.2	319
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