Scott L Collins

List of Publications by Year
in descending order

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Version: 2024-02-01

300 papers	27,188 citations	84 h-index	154 g-index
		4960	6996
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 decadeâ€long fertilization. Global Change Biology, 2022, 28, 1659-1677.	9.5	34
2	Climate mediates longâ€term impacts of rodent exclusion on desert plant communities. Ecological Monographs, 2022, 92, .	5.4	3
3	Differential responses of grassland community nonstructural carbohydrate to experimental drought along a natural aridity gradient. Science of the Total Environment, 2022, 822, 153589.	8.0	14
4	Contrasting responses of plant above and belowground biomass carbon pools to extreme drought in six grasslands spanning an aridity gradient. Plant and Soil, 2022, 473, 167-180.	3.7	13
5	Soil N enrichment mediates carbon allocation through respiration in a dominant grass during drought. Functional Ecology, 2022, 36, 1204-1215.	3.6	10
6	Searching for Diversity, Equity, and Inclusion. BioScience, 2022, 72, 319-319.	4.9	1
7	Do tradeâ€offs govern plant speciesâ€™ responses to different global change treatments?. Ecology, 2022, 103, e3626.	3.2	5
8	Managing for Change. BioScience, 2022, 72, 3-3.	4.9	1
9	Rainfall pulse regime drives biomass and community composition in biological soil crusts. Ecology, 2022, 103, e3744.	3.2	10
10	Belowground responses to altered precipitation regimes in two semi-arid grasslands. Soil Biology and Biochemistry, 2022, 171, 108725.	8.8	18
11	Temporal Effects of Monsoon Rainfall Pulses on Plant Available Nitrogen in a Chihuahuan Desert Grassland. Journal of Geophysical Research G: Biogeosciences, 2022, 127, .	3.0	10
12	Richness, not evenness, varies across water availability gradients in grassy biomes on five continents. Oecologia, 2022, 199, 649-659.	2.0	5
13	Sensitivity of soil organic matter to climate and fire in a desert grassland. Biogeochemistry, 2021, 156, 59-74.	3.5	7
14	A metaâ€analysis of primary productivity and rain use efficiency in terrestrial grassland ecosystems. Land Degradation and Development, 2021, 32, 842-850.	3.9	6
15	Nutrient additions have direct and indirect effects on biocrust biomass in a long-term Chihuahuan Desert grassland experiment. Journal of Arid Environments, 2021, 184, 104317.	2.4	12
16	Increasing effects of chronic nutrient enrichment on plant diversity loss and ecosystem productivity over time. Ecology, 2021, 102, e03218.	3.2	62
17	Experimental drought reâ€ordered assemblages of rootâ€associated fungi across North American grasslands. Journal of Ecology, 2021, 109, 776-792.	4.0	17
18	Nonlinear decoupling of autotrophic and heterotrophic soil respiration in response to drought duration and N addition in a meadow steppe. Biology and Fertility of Soils, 2021, 57, 281-291.	4.3	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.	2.0	34
21	Species asynchrony stabilises productivity under extreme drought across Northern China grasslands. Journal of Ecology, 2021, 109, 1665-1675.	4.0	42
22	Soil Seed Banks, Alternative Stable State Theory, and Ecosystem Resilience. BioScience, 2021, 71, 697-707.	4.9	31
23	Water and nitrogen shape winter annual plant diversity and community composition in nearâ€urban Sonoran Desert preserves. Ecological Monographs, 2021, 91, 1-19.	5.4	19
24	State changes: insights from the U.S. Long Term Ecological Research Network. Ecosphere, 2021, 12, e03433.	2.2	6
25	Why Coordinated Distributed Experiments Should Go Global. BioScience, 2021, 71, 918-927.	4.9	12
26	Determinants of community compositional change are equally affected by global change. Ecology Letters, 2021, 24, 1892-1904.	6.4	27
27	How encroaching shrubs and nutrients affect N2-fixation in the Chihuahuan desert. Plant and Soil, 2021, 466, 545-556.	3.7	2
28	Divergent responses of primary production to increasing precipitation variability in global drylands. Global Change Biology, 2021, 27, 5225-5237.	9.5	31
29	Nitrogen addition amplifies the nonlinear drought response of grassland productivity to extended growingâ€season droughts. Ecology, 2021, 102, e03483.	3.2	28
30	Plant traits and soil fertility mediate productivity losses under extreme drought in C₃ grasslands. Ecology, 2021, 102, e03465.	3.2	35
31	Will Anyone Listen This Time?. BioScience, 2021, 71, 891-891.	4.9	0
32	Soil fungal composition changes with shrub encroachment in the northern Chihuahuan Desert. Fungal Ecology, 2021, 53, 101096.	1.6	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.	1.9	3
34	Fire frequency, state change and hysteresis in tallgrass prairie. Ecology Letters, 2021, 24, 636-647.	6.4	38
35	Diversity Survey Results. BioScience, 2021, 71, 1115-1115.	4.9	0
36	Extreme drought has limited effects on soil seed bank composition in desert grasslands. Journal of Vegetation Science, 2021, 32, e13089.	2.2	14

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37	Quantitative Environmental Science. BioScience, 2021, 71, 1199-1199.	4.9	0
38	Soil heterogeneity increases plant diversity after 20 years of manipulation during grassland restoration. Ecological Applications, 2020, 30, e02014.	3.8	22
39	Sensitivity of primary production to precipitation across the United States. Ecology Letters, 2020, 23, 527-536.	6.4	109
40	Rainfall pulses increased short-term biocrust chlorophyll but not fungal abundance or N availability in a long-term dryland rainfall manipulation experiment. Soil Biology and Biochemistry, 2020, 142, 107693.	8.8	8
41	Arts and Science in BioScience. BioScience, 2020, 70, 727-727.	4.9	0
42	Improving collaborations between empiricists and modelers to advance grassland community dynamics in ecosystem models. New Phytologist, 2020, 228, 1467-1471.	7.3	5
43	Temporal variability in production is not consistently affected by global change drivers across herbaceous-dominated ecosystems. Oecologia, 2020, 194, 735-744.	2.0	8
44	Changing Disturbance Regimes: The New Normal?. BioScience, 2020, 70, 839-839.	4.9	1
45	General destabilizing effects of eutrophication on grassland productivity at multiple spatial scales. Nature Communications, 2020, 11, 5375.	12.8	75
46	Resolving the Dust Bowl paradox of grassland responses to extreme drought. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 22249-22255.	7.1	63
47	Microbial processing of plant remains is coâ€limited by multiple nutrients in global grasslands. Global Change Biology, 2020, 26, 4572-4582.	9.5	27
48	Direct and indirect effects of temperature and precipitation on alpine seed banks in the Tibetan Plateau. Ecological Applications, 2020, 30, e02096.	3.8	35
49	Rapid recovery of ecosystem function following extreme drought in a South African savanna grassland. Ecology, 2020, 101, e02983.	3.2	55
50	Pressâ€“pulse interactions and longâ€term community dynamics in a Chihuahuan Desert grassland. Journal of Vegetation Science, 2020, 31, 722-732.	2.2	21
51	Synthesis in Ecology. BioScience, 2020, 70, 1041-1041.	4.9	1
52	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
53	Shifts in plant functional composition following longâ€term drought in grasslands. Journal of Ecology, 2019, 107, 2133-2148.	4.0	85
54	Connecting Plantâ€“Soil Feedbacks to Longâ€Term Stability in a Desert Grassland. Bulletin of the Ecological Society of America, 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. Nature Plants, 2019, 5, 697-705.	9.3	52
56	Reimagining NEON Operations: We Can Do Better. BioScience, 2019, , .	4.9	1
57	Soil net nitrogen mineralisation across global grasslands. Nature Communications, 2019, 10, 4981.	12.8	57
58	NEON Should Be Run by Ecologists for Ecologists. BioScience, 2019, 69, 319-319.	4.9	3
59	Integrating Speciesâ€Specific Information in Models Improves Regional Projections Under Climate Change. Geophysical Research Letters, 2019, 46, 6554-6562.	4.0	10
60	Minimal mortality and rapid recovery of the dominant shrub Larrea tridentata following an extreme cold event in the northern Chihuahuan Desert. Journal of Vegetation Science, 2019, 30, 963-972.	2.2	10
61	Foraging strategies of individual silky pocket mice over a boomâ€“bust cycle in a stochastic dryland ecosystem. Oecologia, 2019, 190, 569-578.	2.0	12
62	Connecting plantâ€“soil feedbacks to longâ€term stability in a desert grassland. Ecology, 2019, 100, e02756.	3.2	31
63	The competitive advantage of a constitutive CAM species over a C₄ grass species under drought and CO₂ enrichment. Ecosphere, 2019, 10, e02721.	2.2	13
64	The combined effects of an extreme heatwave and wildfire on tallgrass prairie vegetation. Journal of Vegetation Science, 2019, 30, 687-697.	2.2	15
65	Experimental drought reduces genetic diversity in the grassland foundation species Bouteloua eriopoda. Oecologia, 2019, 189, 1107-1120.	2.0	15
66	A comprehensive approach to analyzing community dynamics using rank abundance curves. Ecosphere, 2019, 10, e02881.	2.2	79
67	Foundations and Frontiers of Ecosystem Science: Legacy of a Classic Paper (Odum 1969). Ecosystems, 2019, 22, 1160-1172.	3.4	13
68	Drought consistently alters the composition of soil fungal and bacterial communities in grasslands from two continents. Global Change Biology, 2018, 24, 2818-2827.	9.5	221
69	Legacy effects of a regional drought on aboveground net primary production in six central US grasslands. Plant Ecology, 2018, 219, 505-515.	1.6	66
70	Making Our Planet Great Again. BioScience, 2018, 68, 51-51.	4.9	0
71	Temporal heterogeneity increases with spatial heterogeneity in ecological communities. Ecology, 2018, 99, 858-865.	3.2	56
72	Regional grassland productivity responses to precipitation during multiyear aboveâ€•and belowâ€average rainfall periods. Global Change Biology, 2018, 24, 1935-1951.	9.5	71

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73	Climate sensitivity functions and net primary production: A framework for incorporating climate mean and variability. Ecology, 2018, 99, 576-582.	3.2	73
74	Henry Lewis Gholz, 1951â€“2017. Bulletin of the Ecological Society of America, 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. Environmental Microbiology, 2018, 20, 259-269.	3.8	83
76	The Limiting Factor: Does the New NSF Policy Jeopardize Research?. BioScience, 2018, 68, 931-931.	4.9	0
77	Change in dominance determines herbivore effects on plant biodiversity. Nature Ecology and Evolution, 2018, 2, 1925-1932.	7.8	140
78	Montane valley grasslands are highly resistant to summer wildfire. Journal of Vegetation Science, 2018, 29, 1017-1028.	2.2	5
79	Connectivity and Scale in Dryland Ecosystems. BioScience, 2018, 68, 649-652.	4.9	0
80	Getting Started With Sensor Networks in Experimental Ecology: Pitfalls and Pratfalls. Bulletin of the Ecological Society of America, 2018, 99, 277-283.	0.2	0
81	Spatial heterogeneity in species composition constrains plant community responses to herbivory and fertilisation. Ecology Letters, 2018, 21, 1364-1371.	6.4	38
82	Editorial Boards Must Be Internationally Representative. BioScience, 2018, 68, 235-235.	4.9	0
83	The interactive effects of press/pulse intensity and duration on regime shifts at multiple scales. Ecological Monographs, 2017, 87, 198-218.	5.4	58
84	Skills and Knowledge for Data-Intensive Environmental Research. BioScience, 2017, 67, 546-557.	4.9	68
85	Science Communication. BioScience, 2017, 67, 487-487.	4.9	2
86	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
87	The influence of seasonal precipitation and grass competition on 20Âyears of forb dynamics in northern Chihuahuan Desert grassland. Journal of Vegetation Science, 2017, 28, 250-259.	2.2	30
88	Species reordering, not changes in richness, drives longâ€term dynamics in grassland communities. Ecology Letters, 2017, 20, 1556-1565.	6.4	62
89	Asynchrony among local communities stabilises ecosystem function of metacommunities. Ecology Letters, 2017, 20, 1534-1545.	6.4	136
90	The effect of nitrogen availability and water conditions on competition between a facultative <scp>CAM</scp> plant and an invasive grass. Ecology and Evolution, 2017, 7, 7739-7749.	1.9	10

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91	Boomâ€“bust economics and vegetation dynamics in a desert city: How strong is the link?. Ecosphere, 2017, 8, e01826.	2.2	9
92	Changes in spatial variance during a grassland to shrubland state transition. Journal of Ecology, 2017, 105, 750-760.	4.0	41
93	Pressâ€“pulse interactions: effects of warming, N deposition, altered winter precipitation, and fire on desert grassland community structure and dynamics. Global Change Biology, 2017, 23, 1095-1108.	9.5	49
94	Herbivore size matters for productivityâ€“richness relationships in A frican savannas. Journal of Ecology, 2017, 105, 674-686.	4.0	27
95	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
96	The Coming Era of Open Data. BioScience, 2017, 67, 191-192.	4.9	2
97	Building the BioScience Community. BioScience, 2017, 67, 3-3.	4.9	5
98	BioScience Signs TOP Guidelines. BioScience, 2017, 67, 871-871.	4.9	1
99	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
100	Mechanisms of shrub encroachment into Northern Chihuahuan Desert grasslands and impacts of climate change investigated using a cellular automata model. Advances in Water Resources, 2016, 91, 46-62.	3.8	38
101	Conditional vulnerability of plant diversity to atmospheric nitrogen deposition across the United States. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 4086-4091.	7.1	287
102	When the economic engine stalls â˜’ A multi-scale comparison of vegetation dynamics in pre- and post-recession Phoenix, Arizona, USA. Landscape and Urban Planning, 2016, 153, 140-148.	7.5	11
103	<scp>codyn</scp>: An <scp>r</scp> package of community dynamics metrics. Methods in Ecology and Evolution, 2016, 7, 1146-1151.	5.2	175
104	Vegetation science in the age of big data. Journal of Vegetation Science, 2016, 27, 865-867.	2.2	2
105	The sensitivity of carbon exchanges in Great Plains grasslands to precipitation variability. Journal of Geophysical Research G: Biogeosciences, 2016, 121, 280-294.	3.0	33
106	Temperature response of soil respiration largely unaltered with experimental warming. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 13797-13802.	7.1	308
107	Altered rainfall patterns increase forb abundance and richness in native tallgrass prairie. Scientific Reports, 2016, 6, 20120.	3.3	48
108	Environmental heterogeneity has a weak effect on diversity during community assembly in tallgrass prairie. Ecological Monographs, 2016, 86, 94-106.	5.4	44

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109	Enhancing the Future ofBioScience. BioScience, 2016, 66, 435-435.	4.9	0
110	Shared Drivers but Divergent Ecological Responses: Insights from Long-Term Experiments in Mesic Savanna Grasslands. BioScience, 2016, 66, 666-682.	4.9	20
111	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
112	Comment on â€œWorldwide evidence of a unimodal relationship between productivity and plant species richnessâ€• Science, 2016, 351, 457-457.	12.6	16
113	Grassland productivity limited by multiple nutrients. Nature Plants, 2015, 1, 15080.	9.3	403
114	The ecological role of small rainfall events in a desert grassland. Ecohydrology, 2015, 8, 1614-1622.	2.4	34
115	Top-down vs. bottom-up regulation of herbaceous primary production and composition in an arid, urbanizing ecosystem. Journal of Arid Environments, 2015, 116, 103-114.	2.4	11
116	Grassland to shrubland state transitions enhance carbon sequestration in the northern Chihuahuan Desert. Global Change Biology, 2015, 21, 1226-1235.	9.5	91
117	Long-Term Dynamics and Hotspots of Change in a Desert Grassland Plant Community. American Naturalist, 2015, 185, E30-E43.	2.1	43
118	Differential sensitivity to regional-scale drought in six central US grasslands. Oecologia, 2015, 177, 949-957.	2.0	236
119	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
120	Climatic controls of aboveground net primary production in semi-arid grasslands along a latitudinal gradient portend low sensitivity to warming. Oecologia, 2015, 177, 959-969.	2.0	80
121	Anthropogenic nitrogen deposition predicts local grassland primary production worldwide. Ecology, 2015, 96, 1459-1465.	3.2	143
122	Soil enzyme responses to varying rainfall regimes in Chihuahuan Desert soils. Ecosphere, 2015, 6, 1-10.	2.2	45
123	Earth Stewardship: An Initiative by the Ecological Society of America to Foster Engagement to Sustain Planet Earth. Ecology and Ethics, 2015, , 173-194.	1.0	14
124	Can current moisture responses predict soil CO₂ efflux under altered precipitation regimes? A synthesis of manipulation experiments. Biogeosciences, 2014, 11, 2991-3013.	3.3	74
125	Corrigendum to "Can current moisture responses predict soil CO₂ efflux under altered precipitation regimes? A synthesis of manipulation experiments". Biogeosciences, 2014, 11, 3307-3308.	3.3	10
126	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

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127	Chihuahuan Desert Grassland Responds Similarly to Fall, Spring, and Summer Fires During Prolonged Drought. Rangeland Ecology and Management, 2014, 67, 621-628.	2.3	9
128	Long-Term Ecological Research and Network-Level Science. Eos, 2014, 95, 293-294.	0.1	11
129	Resilience and recovery potential of duneland vegetation in the southern Kalahari. Ecosphere, 2014, 5, 1-14.	2.2	33
130	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
131	Rainfall variability has minimal effects on grassland recovery from repeated grazing. Journal of Vegetation Science, 2014, 25, 36-44.	2.2	30
132	A Multiscale, Hierarchical Model of Pulse Dynamics in Arid-Land Ecosystems. Annual Review of Ecology, Evolution, and Systematics, 2014, 45, 397-419.	8.3	153
133	Effects of monsoon precipitation variability on the physiological response of two dominant C4 grasses across a semiarid ecotone. Oecologia, 2014, 176, 751-762.	2.0	20
134	Differential effects of extreme drought on production and respiration: synthesis and modeling analysis. Biogeosciences, 2014, 11, 621-633.	3.3	87
135	Regional trends and local variability in monsoon precipitation in the northern Chihuahuan Desert, USA. Journal of Arid Environments, 2014, 103, 63-70.	2.4	84
136	Eutrophication weakens stabilizing effects of diversity in natural grasslands. Nature, 2014, 508, 521-525.	27.8	409
137	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
138	Biotic mechanisms of community stability shift along a precipitation gradient. Ecology, 2014, 95, 1693-1700.	3.2	161
139	Interactive effects of grazing, drought, and fire on grassland plant communities in North America and South Africa. Ecology, 2014, 95, 98-109.	3.2	145
140	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
141	Climate Change Impacts on Future Carbon Stores and Management of Warm Deserts of the United States. Rangelands, 2014, 36, 16-24.	1.9	12
142	Cost Implications of Carbon Capture and Storage for the Coal Power Plants in India. Energy Procedia, 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. Landscape Ecology, 2013, 28, 1293-1306.	4.2	37
144	Sensitivity of grassland plant community composition to spatial vs. temporal variation in precipitation. Ecology, 2013, 94, 1687-1696.	3.2	191

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145	Effects of experimental rainfall manipulations on Chihuahuan Desert grassland and shrubland plant communities. Oecologia, 2013, 172, 1117-1127.	2.0	115
146	Vegetationâ€“microclimate feedbacks in woodlandâ€“grassland ecotones. Global Ecology and Biogeography, 2013, 22, 364-379.	5.8	142
147	Coordinated distributed experiments: an emerging tool for testing global hypotheses in ecology and environmental science. Frontiers in Ecology and the Environment, 2013, 11, 147-155.	4.0	237
148	Landscape Diversity. , 2013, , 476-487.		2
149	Opening access to ESA journals. Frontiers in Ecology and the Environment, 2013, 11, 3-3.	4.0	2
150	Long-Term Ecological Research in a Human-Dominated World. BioScience, 2012, 62, 342-353.	4.9	53
151	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
152	Past, Present, and Future Roles of Long-Term Experiments in the LTER Network. BioScience, 2012, 62, 377-389.	4.9	116
153	How Can Science Be General, Yet Specific? The Conundrum of Rangeland Science in the 21st Century. Rangeland Ecology and Management, 2012, 65, 613-622.	2.3	12
154	Woody encroachment decreases diversity across North American grasslands and savannas. Ecology, 2012, 93, 697-703.	3.2	374
155	Response to Comments on â€œProductivity Is a Poor Predictor of Plant Species Richnessâ€. Science, 2012, 335, 1441-1441.	12.6	30
156	Shifting species interactions in terrestrial dryland ecosystems under altered water availability and climate change. Biological Reviews, 2012, 87, 563-582.	10.4	141
157	Precipitation variability and fire influence the temporal dynamics of soil <scp><scp>CO</scp></scp>₂ efflux in an arid grassland. Global Change Biology, 2012, 18, 1401-1411.	9.5	113
158	Effects of fire on belowground biomass in Chihuahuan desert grassland. Ecosphere, 2012, 3, 1-13.	2.2	5
159	Above- and belowground responses to nitrogen addition in a Chihuahuan Desert grassland. Oecologia, 2012, 169, 177-185.	2.0	103
160	Incorporating clonal growth form clarifies the role of plant height in response to nitrogen addition. Oecologia, 2012, 169, 1053-1062.	2.0	90
161	Variation in monsoon precipitation drives spatial and temporal patterns of Larrea tridentata growth in the Sonoran Desert. Functional Ecology, 2012, 26, 750-758.	3.6	29
162	Stability of tallgrass prairie during a 19â€year increase in growing season precipitation. Functional Ecology, 2012, 26, 1450-1459.	3.6	81

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163	Effects of fire, grazing and topographic variation on vegetation structure in tallgrass prairie. Journal of Vegetation Science, 2012, 23, 563-575.	2.2	141
164	An integrated conceptual framework for longâ€term socialâ€“ecological research. Frontiers in Ecology and the Environment, 2011, 9, 351-357.	4.0	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. Ecosphere, 2011, 2, art89.	2.2	154
167	Abundance of introduced species at home predicts abundance away in herbaceous communities. Ecology Letters, 2011, 14, 274-281.	6.4	88
168	Effect of precipitation variability on net primary production and soil respiration in a Chihuahuan Desert grassland. Global Change Biology, 2011, 17, 1505-1515.	9.5	319
169	Patterns of trait convergence and divergence among native and exotic species in herbaceous plant communities are not modified by nitrogen enrichment. Journal of Ecology, 2011, 99, 1327-1338.	4.0	27
170	Productivity Is a Poor Predictor of Plant Species Richness. Science, 2011, 333, 1750-1753.	12.6	463
171	Precipitation increases the abundance of some groups of root-associated fungal endophytes in a semiarid grassland. Ecosphere, 2011, 2, art50.	2.2	34
172	Positive feedback between microclimate and shrub encroachment in the northern Chihuahuan desert. Ecosphere, 2010, 1, 1-11.	2.2	290
173	Looking deeper into the soil: biophysical controls and seasonal lags of soil CO₂ production and efflux. Ecological Applications, 2010, 20, 1569-1582.	3.8	120
174	Interactions Between Soil Erosion Processes and Fires: Implications for the Dynamics of Fertility Islands. Rangeland Ecology and Management, 2010, 63, 267-274.	2.3	35
175	Complex seasonal cycle of ecohydrology in the Southwest United States. Journal of Geophysical Research, 2010, 115, .	3.3	84
176	Aboveground production and species richness of annuals in Chihuahuan Desert grassland and shrubland plant communities. Journal of Arid Environments, 2010, 74, 378-385.	2.4	52
177	Rapid plant community responses during the summer monsoon to nighttime warming in a northern Chihuahuan Desert grassland. Journal of Arid Environments, 2010, 74, 611-617.	2.4	35
178	Responses to chronic N fertilization of ectomycorrhizal piÃ±on but not arbuscular mycorrhizal juniper in a piÃ±on-juniper woodland. Journal of Arid Environments, 2010, 74, 1170-1176.	2.4	25
179	Fire and grazing in a mesic tallgrass prairie: impacts on plant species and functional traits. Ecology, 2010, 91, 1651-1659.	3.2	63
180	Looking deeper into the soil: biophysical controls and seasonal lags of soil CO₂production and efflux across multiple vegetation types. , 2010, 20, 100319061507001.		1

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181	IV.5 Boundary Dynamics in Landscapes. , 2009, , 458-463.		7
182	Biodiversity Under Global Change. Science, 2009, 326, 1353-1354.	12.6	7
183	Post-Fire Resource Redistribution in Desert Grasslands: A Possible Negative Feedback on Land Degradation. Ecosystems, 2009, 12, 434-444.	3.4	104
184	Controls of Aboveground Net Primary Production in Mesic Savanna Grasslands: An Inter-Hemispheric Comparison. Ecosystems, 2009, 12, 982-995.	3.4	51
185	Relative contributions of neutral and niche-based processes to the structure of a desert grassland grasshopper community. Oecologia, 2009, 161, 791-800.	2.0	51
186	Plant community response to loss of large herbivores: comparing consequences in a South African and a North American grassland. Biodiversity and Conservation, 2009, 18, 2327-2342.	2.6	54
187	Can biological invasions induce desertification?. New Phytologist, 2009, 181, 512-515.	7.3	40
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