David M Engle

List of Publications by Year
in descending order

51 papers	3,795 citations	172457 29 h-index	206112 48 g-index
51 all docs	51 docs citations	51 times ranked	2756 citing authors

#	Article	IF	Citations
1	Restoring Heterogeneity on Rangelands: Ecosystem Management Based on Evolutionary Grazing Patterns. BioScience, 2001, 51, 625.	4.9	586
2	SHOULD HETEROGENEITY BE THE BASIS FOR CONSERVATION? GRASSLAND BIRD RESPONSE TO FIRE AND GRAZING. , 2006, 16, 1706-1716.		415
3	Pyric Herbivory: Rewilding Landscapes through the Recoupling of Fire and Grazing. Conservation Biology, 2009, 23, 588-598.	4.7	402
4	Ungulate preference for burned patches reveals strength of fireâ€“grazing interaction. Ecology and Evolution, 2011, 1, 132-144.	1.9	211
5	AVIAN RESPONSE TO LANDSCAPE CHANGE IN FRAGMENTED SOUTHERN GREAT PLAINS GRASSLANDS. , 2001, 11, 47-59.		157
6	The rising Great Plains fire campaign: citizens' response to woody plant encroachment. Frontiers in Ecology and the Environment, 2013, 11, e64.	4.0	152
7	Conservation of Pattern and Process: Developing an Alternative Paradigm of Rangeland Management. Rangeland Ecology and Management, 2012, 65, 579-589.	2.3	151
8	Avian community response to vegetation and structural features in grasslands managed with fire and grazing. Biological Conservation, 2008, 141, 1196-1203.	4.1	129
9	Spatial heterogeneity increases diversity and stability in grassland bird communities. Ecological Applications, 2015, 25, 662-672.	3.8	121
10	REVIEW: Evidence of negative effects of anthropogenic structures on wildlife: a review of grouse survival and behaviour. Journal of Applied Ecology, 2014, 51, 1680-1689.	4.0	87
11	Soil Moisture Affects Growing-Season Wildfire Size in the Southern Great Plains. Soil Science Society of America Journal, 2015, 79, 1567-1576.	2.2	78
12	Untangling the effects of fire, grazing, and land-use legacies on grassland butterfly communities. Biodiversity and Conservation, 2012, 21, 2719-2746.	2.6	76
13	Is Altering Grazing Selectivity of Invasive Forage Species With Patch Burning More Effective Than Herbicide Treatments?. Rangeland Ecology and Management, 2007, 60, 253-260.	2.3	70
14	Pyricâ€“Herbivory and Cattle Performance in Grassland Ecosystems. Rangeland Ecology and Management, 2011, 64, 659-663.	2.3	68
15	Alteration of hydrological processes and streamflow with juniper (Juniperus virginiana) encroachment in a mesic grassland catchment. Hydrological Processes, 2014, 28, 6173-6182.	2.6	68
16	Spatial heterogeneity across five rangelands managed with pyricâ€herbivory. Journal of Applied Ecology, 2012, 49, 903-910.	4.0	65
17	Landscape heterogeneity and fire behavior: scale-dependent feedback between fire and grazing processes. Landscape Ecology, 2007, 22, 507-516.	4.2	60
18	Effects of fire and grazing on grasshopper sparrow nest survival. Journal of Wildlife Management, 2012, 76, 19-27.	1.8	59

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19	A cross-taxonomic comparison of insect responses to grassland management and land-use legacies. Ecosphere, 2011, 2, art131.	2.2	55
20	Markov models of land cover dynamics in a southern Great Plains grassland region. Landscape Ecology, 2007, 22, 1383-1393.	4.2	51
21	Tree invasion constrains the influence of herbaceous structure in grassland bird habitats. Ecoscience, 2004, 11, 55-63.	1.4	50
22	Seed dispersal byBison bisonin a tallgrass prairie. Journal of Vegetation Science, 2008, 19, 769-778.	2.2	49
23	Tallgrass Prairie Plant Community Dynamics Along a Canopy Cover Gradient of Eastern Redcedar (Juniperus virginiana L.). Rangeland Ecology and Management, 2010, 63, 638-644.	2.3	46
24	Nature reserves as catalysts for landscape change. Frontiers in Ecology and the Environment, 2012, 10, 144-152.	4.0	45
25	Another tool in the toolbox? Using fire and grazing to promote bird diversity in highly fragmented landscapes. Ecosphere, 2011, 2, art28.	2.2	42
26	Effects of grassland management practices on ant functional groups in central North America. Journal of Insect Conservation, 2013, 17, 699-713.	1.4	42
27	An Invasive Grass Increases Live Fuel Proportion and Reduces Fire Spread in a Simulated Grassland. Ecosystems, 2013, 16, 158-169.	3.4	36
28	Meta-Analysis of Exotic Forages as Invasive Plants in Complex Multi-Functioning Landscapes. Invasive Plant Science and Management, 2015, 8, 292-306.	1.1	33
29	Constraints to restoring fire and grazing ecological processes to optimize grassland vegetation structural diversity. Ecological Engineering, 2016, 95, 865-875.	3.6	32
30	Temporal variability in aboveground plant biomass decreases as spatial variability increases. Ecology, 2016, 97, 555-560.	3.2	30
31	Plant Invasions or Fire Policy: Which Has Altered Fire Behavior More in Tallgrass Prairie?. Ecosystems, 2016, 19, 356-368.	3.4	30
32	Inconsistent outcomes of heterogeneity-based management underscore importance of matching evaluation to conservation objectives. Environmental Science and Policy, 2013, 31, 53-60.	4.9	29
33	Connecting Soil Organic Carbon and Root Biomass with Land-Use and Vegetation in Temperate Grassland. Scientific World Journal, The, 2014, 2014, 1-9.	2.1	29
34	Postfledging Survival of Grasshopper Sparrows in Grasslands Managed with Fire and Grazing. Condor, 2011, 113, 429-437.	1.6	28
35	Adapting the Fire-Grazing Interaction to Small Pastures in a Fragmented Landscape for Grassland Bird Conservation. Rangeland Ecology and Management, 2016, 69, 300-309.	2.3	25
36	Measured Soil Moisture is a Better Predictor of Large Growingâ€Season Wildfires than the Keetchâ€“Byram Drought Index. Soil Science Society of America Journal, 2017, 81, 490-502.	2.2	23

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37	Effect of pyric herbivory on sourceâ€“sink dynamics in grassland birds. Journal of Applied Ecology, 2016, 53, 1004-1012.	4.0	21
38	Multivariate Analysis of Rangeland Vegetation and Soil Organic Carbon Describes Degradation, Informs Restoration and Conservation. Land, 2013, 2, 328-350.	2.9	18
39	Bee Abundance and Nutritional Status in Relation to Grassland Management Practices in an Agricultural Landscape. Environmental Entomology, 2016, 45, 338-347.	1.4	15
40	Using Regional Climate Projections to Guide Grassland Community Restoration in the Face of Climate Change. Frontiers in Plant Science, 2017, 8, 730.	3.6	15
41	Pyric herbivory, scales of heterogeneity and drought. Functional Ecology, 2018, 32, 1599-1608.	3.6	15
42	Fire induced reproductive mechanisms of a Symphoricarpos (Caprifoliaceae) shrub after dormant season burning. , 2014, 55, 80.		13
43	Restoring biopedturbation in grasslands with anthropogenic focal disturbance. Plant Ecology, 2010, 210, 331-342.	1.6	12
44	Factors Affecting Public Preferences for Grassland Landscape Heterogeneity in the Great Plains. Environmental Management, 2017, 60, 922-930.	2.7	11
45	Preference for Grassland Heterogeneity: Implications for Biodiversity in the Great Plains. Society and Natural Resources, 2017, 30, 601-612.	1.9	11
46	Exotic-Dominated Grasslands Show Signs of Recovery with Cattle Grazing and Fire. PLoS ONE, 2016, 11, e0165758.	2.5	11
47	Identification of subpopulations of North American elk (Cervus elaphusL.) using multiple lines of evidence: habitat use, dietary choice, and fecal stable isotopes. Ecological Research, 2010, 25, 789-800.	1.5	10
48	Climate Extremes, Vegetation Change, and Decoupling of Interactive Fire-Grazing Processes Exacerbate Fly Parasitism of Cattle. Environmental Entomology, 2017, 46, 191-200.	1.4	5
49	Landâ€use history and an invasive grass affect tallgrass prairie sedge community composition. Applied Vegetation Science, 2015, 18, 209-219.	1.9	4
50	Moderate Grazer Density Stabilizes Forage Availability More Than Patch Burning in Low-Stature Grassland. Land, 2021, 10, 395.	2.9	2
51	Temporal variability in aboveground plant biomass decreases as spatial variability increases. Ecology, 2016, , .	3.2	2