

# James R Miller

## List of Publications by Year in descending order

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Version: 2024-02-01

96  
papers

6,223  
citations

136950

32  
h-index

82547

72  
g-index

98  
all docs

98  
docs citations

98  
times ranked

6981  
citing authors

#	ARTICLE	IF	CITATIONS
1	Moderate Grazer Density Stabilizes Forage Availability More Than Patch Burning in Low-Stature Grassland. <i>Land</i> , 2021, 10, 395.	2.9	2
2	Using Adaptive Management to Restore Grasslands Invaded by Tall Fescue ( <i>Schedonorus</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 702 Td	2.3	4
3	The American Pond Belt: an untold story of conservation challenges and opportunities. <i>Frontiers in Ecology and the Environment</i> , 2021, 19, 501-509.	4.0	21
4	What drives private landowner decisions? Exploring non-native grass management in the eastern Great Plains. <i>Journal of Environmental Management</i> , 2020, 276, 111355.	7.8	20
5	Evaluating Nonresponse Bias in Survey Research Conducted in the Rural Midwest. <i>Society and Natural Resources</i> , 2020, 33, 968-986.	1.9	20
6	Do habitat preferences improve fitness? Context-specific adaptive habitat selection by a grassland songbird. <i>Oecologia</i> , 2020, 193, 15-26.	2.0	4
7	Restoring the fire-grazing interaction promotes tree-grass coexistence by controlling woody encroachment. <i>Ecosphere</i> , 2020, 11, e02993.	2.2	13
8	Maintenance of <i>Borrelia burgdorferi</i> among vertebrate hosts: a test of dilution effect mechanisms. <i>Ecosphere</i> , 2020, 11, e03048.	2.2	7
9	Landscape features predict the current and forecast the future geographic spread of Lyme disease. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2020, 287, 20202278.	2.6	16
10	Managing farm ponds as breeding sites for amphibians: key trade-offs in agricultural function and habitat conservation. <i>Ecological Applications</i> , 2019, 29, e01964.	3.8	17
11	Identifying Opportunities to Conserve Farm Ponds on Private Lands: Integration of Social, Ecological, and Historical Data. <i>Land</i> , 2019, 8, 127.	2.9	10
12	Cattle select against the invasive grass tall fescue in heterogeneous pastures managed with prescribed fire. <i>Grass and Forage Science</i> , 2019, 74, 486-495.	2.9	6
13	Rewilding and restoration. , 2019, , 123-141.		3
14	Shifting Cattle Producer Beliefs on Stocking and Invasive Forage: Implications for Grassland Conservation. <i>Rangeland Ecology and Management</i> , 2019, 72, 888-898.	2.3	13
15	The role of <i>Ixodes scapularis</i> , <i>Borrelia burgdorferi</i> and wildlife hosts in Lyme disease prevalence: A quantitative review. <i>Ticks and Tick-borne Diseases</i> , 2018, 9, 1103-1114.	2.7	34
16	A spatial agent-based model of the disease vector <i>Ixodes scapularis</i> to explore host-tick associations. <i>Ecological Modelling</i> , 2018, 387, 96-106.	2.5	13
17	Contrasting impacts of invasive plants and human-altered landscape context on nest survival and brood parasitism of a grassland bird. <i>Landscape Ecology</i> , 2018, 33, 1799-1813.	4.2	15
18	Patterns and mechanisms of invasive plant impacts on North American birds: a systematic review. <i>Biological Invasions</i> , 2017, 19, 1547-1563.	2.4	40

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19	The database of the <sc>PREDICTS</sc> (Projecting Responses of Ecological Diversity In Changing) Tj ETQq1 1 0,784314 rgBT /Overl 1.9 186		
20	What the novel ecosystem concept provides: a reply to Kattan et al. Restoration Ecology, 2017, 25, 488-490.	2.9	8
21	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
22	Avian and Habitat Characteristics Influence Tick Infestation Among Birds in Illinois. Journal of Medical Entomology, 2017, 54, 550-558.	1.8	4
23	Temporal variability in aboveground plant biomass decreases as spatial variability increases. Ecology, 2016, 97, 555-560.	3.2	30
24	Patch-burn Grazing Moderates Eastern Meadowlark Nest Survival in Midwestern Grasslands. American Midland Naturalist, 2016, 176, 72-80.	0.4	5
25	A Digital Morphometric Approach for Quantifying Ped Shape. Soil Science Society of America Journal, 2016, 80, 1604-1618.	2.2	4
26	Bee Abundance and Nutritional Status in Relation to Grassland Management Practices in an Agricultural Landscape. Environmental Entomology, 2016, 45, 338-347.	1.4	15
27	Constraints to restoring fire and grazing ecological processes to optimize grassland vegetation structural diversity. Ecological Engineering, 2016, 95, 865-875.	3.6	32
28	What's wrong with novel ecosystems, really?. Restoration Ecology, 2016, 24, 577-582.	2.9	62
29	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
30	Exotic-Dominated Grasslands Show Signs of Recovery with Cattle Grazing and Fire. PLoS ONE, 2016, 11, e0165758.	2.5	11
31	Predator identity influences the effect of habitat management on nest predation. Ecological Applications, 2015, 25, 1596-1605.	3.8	43
32	Categorizing wildlife responses to urbanization and conservation implications of terminology. Conservation Biology, 2015, 29, 1246-1248.	4.7	151
33	Assessing the Contribution of Songbirds to the Movement of Ticks and Borrelia burgdorferi in the Midwestern United States During Fall Migration. EcoHealth, 2015, 12, 164-173.	2.0	24
34	Two-sided edge responses of avian communities in an urban landscape. Urban Ecosystems, 2015, 18, 539-551.	2.4	11
35	Land-use history and an invasive grass affect tallgrass prairie sedge community composition. Applied Vegetation Science, 2015, 18, 209-219.	1.9	4
36	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

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37	Landowners' perceptions of risk in grassland management: woody plant encroachment and prescribed fire. <i>Ecology and Society</i> , 2014, 19, .	2.3	31
38	The <sc>PREDICTS</sc> database: a global database of how local terrestrial biodiversity responds to human impacts. <i>Ecology and Evolution</i> , 2014, 4, 4701-4735.	1.9	178
39	Response of avian communities to invasive vegetation in urban forest fragments. <i>Condor</i> , 2014, 116, 459-471.	1.6	20
40	Effects of grassland management practices on ant functional groups in central North America. <i>Journal of Insect Conservation</i> , 2013, 17, 699-713.	1.4	42
41	Inconsistent outcomes of heterogeneity-based management underscore importance of matching evaluation to conservation objectives. <i>Environmental Science and Policy</i> , 2013, 31, 53-60.	4.9	29
42	An Invasive Grass Increases Live Fuel Proportion and Reduces Fire Spread in a Simulated Grassland. <i>Ecosystems</i> , 2013, 16, 158-169.	3.4	36
43	Improving city life: options for ecological restoration in urban landscapes and how these might influence interactions between people and nature. <i>Landscape Ecology</i> , 2013, 28, 1213-1221.	4.2	129
44	Broad-scale heterogeneity influences nest selection by Brown-headed Cowbirds. <i>Landscape Ecology</i> , 2013, 28, 1493-1503.	4.2	20
45	Multivariate Analysis of Rangeland Vegetation and Soil Organic Carbon Describes Degradation, Informs Restoration and Conservation. <i>Land</i> , 2013, 2, 328-350.	2.9	18
46	Nature reserves as catalysts for landscape change. <i>Frontiers in Ecology and the Environment</i> , 2012, 10, 144-152.	4.0	45
47	Urbanization and the Predation Paradox: The Role of Trophic Dynamics in Structuring Vertebrate Communities. <i>BioScience</i> , 2012, 62, 809-818.	4.9	197
48	Untangling the effects of fire, grazing, and land-use legacies on grassland butterfly communities. <i>Biodiversity and Conservation</i> , 2012, 21, 2719-2746.	2.6	76
49	Grazing and an invasive grass confound spatial pattern of exotic and native grassland plant species richness. <i>Basic and Applied Ecology</i> , 2012, 13, 654-662.	2.7	24
50	Effects of fire and grazing on grasshopper sparrow nest survival. <i>Journal of Wildlife Management</i> , 2012, 76, 19-27.	1.8	59
51	Evaluating the ability of regional models to predict local avian abundance. <i>Journal of Wildlife Management</i> , 2012, 76, 1177-1187.	1.8	6
52	Spatial heterogeneity across five rangelands managed with pyric herbivory. <i>Journal of Applied Ecology</i> , 2012, 49, 903-910.	4.0	65
53	NMR investigations of the solution structures of Ru <sup>II</sup> -Zn complexes tethered by oligo(aminoethylglycine) chains. <i>Polyhedron</i> , 2012, 40, 118-124.	2.2	1
54	Assembly of a Trifunctional Artificial Peptide Into an Anti-Parallel Duplex with Three Cu(II) Cross-links. <i>Inorganic Chemistry</i> , 2011, 50, 949-955.	4.0	15

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55	A cross-taxonomic comparison of insect responses to grassland management and land-use legacies. <i>Ecosphere</i> , 2011, 2, art131.	2.2	55
56	Another tool in the toolbox? Using fire and grazing to promote bird diversity in highly fragmented landscapes. <i>Ecosphere</i> , 2011, 2, art28.	2.2	42
57	Postfledging Survival of Grasshopper Sparrows in Grasslands Managed with Fire and Grazing. <i>Condor</i> , 2011, 113, 429-437.	1.6	28
58	Perceptions of Landowners Concerning Conservation, Grazing, Fire, and Eastern Redcedar Management in Tallgrass Prairie. <i>Rangeland Ecology and Management</i> , 2010, 63, 645-654.	2.3	52
59	Cu <sup>II</sup> Cross-Linked Antiparallel Dipeptide Duplexes Using Heterofunctional Ligand-Substituted Aminoethylglycine. <i>Inorganic Chemistry</i> , 2010, 49, 5126-5133.	4.0	9
60	Biodiversity Conservation in Local Planning. <i>Conservation Biology</i> , 2009, 23, 53-63.	4.7	64
61	Reserve selection with minimum contiguous area restrictions: An application to open space protection planning in suburban Chicago. <i>Biological Conservation</i> , 2009, 142, 1617-1627.	4.1	32
62	Prioritizing conservation targets in a rapidly urbanizing landscape. <i>Landscape and Urban Planning</i> , 2009, 93, 123-131.	7.5	21
63	Impacts of the Location and Number of [Cu(bpy) <sub>2</sub> ] <sup>2+</sup> Cross-Links on the Emission Photodynamics of [Ru(bpy) <sub>3</sub> ] <sup>2+</sup> with Pendant Oligo(aminoethylglycine) Chains. <i>Journal of the American Chemical Society</i> , 2009, 131, 15291-15300.	13.7	19
64	HABITAT AND LANDSCAPE CHARACTERISTICS UNDERLYING ANURAN COMMUNITY STRUCTURE ALONG AN URBAN-RURAL GRADIENT. <i>Ecological Applications</i> , 2008, 18, 1107-1118.	3.8	100
65	Butterfly responses to prairie restoration through fire and grazing. <i>Biological Conservation</i> , 2007, 140, 78-90.	4.1	91
66	Habitat Restoration—Do We Know What We’re Doing?. <i>Restoration Ecology</i> , 2007, 15, 382-390.	2.9	246
67	Evaluation of Central North American Prairie Management Based on Species Diversity, Life Form, and Individual Species Metrics. <i>Conservation Biology</i> , 2007, 21, 864-874.	4.7	57
68	Habitat Acquisition Strategies for Grassland Birds in an Urbanizing Landscape. <i>Environmental Management</i> , 2007, 40, 981-992.	2.7	9
69	Restoration, reconciliation, and reconnecting with nature nearby. <i>Biological Conservation</i> , 2006, 127, 356-361.	4.1	96
70	Biodiversity conservation and the extinction of experience. <i>Trends in Ecology and Evolution</i> , 2005, 20, 430-434.	8.7	950
71	RESPONSE OF AVIAN COMMUNITIES IN LARGE-RIVER FLOODPLAINS TO ENVIRONMENTAL VARIATION AT MULTIPLE SCALES. , 2004, 14, 1394-1410.		49
72	Distribution and abundance of trees in floodplain forests of the Wisconsin River: Environmental influences at different scales. <i>Journal of Vegetation Science</i> , 2004, 15, 729-738.	2.2	65

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73	Spatial Extrapolation: The Science of Predicting Ecological Patterns and Processes. <i>BioScience</i> , 2004, 54, 310.	4.9	163
74	The immersive visualization probe for exploring n-dimensional spaces. <i>IEEE Computer Graphics and Applications</i> , 2004, 24, 76-85.	1.2	5
75	Distribution and abundance of trees in floodplain forests of the Wisconsin River: Environmental influences at different scales. <i>Journal of Vegetation Science</i> , 2004, 15, 729.	2.2	27
76	EFFECTS OF HUMAN SETTLEMENT ON BIRD COMMUNITIES IN LOWLAND RIPARIAN AREAS OF COLORADO (USA). , 2003, 13, 1041-1059.		107
77	APPLYING SPECIES DIVERSITY THEORY TO LAND MANAGEMENT. , 2003, 13, 1750-1761.		59
78	Landscape indicators of human impacts to riverine systems. , 2002, 64, 118-128.		325
79	Conservation Where People Live and Work. <i>Conservation Biology</i> , 2002, 16, 330-337.	4.7	635
80	Urbanization,avian communities,and landscape ecology. , 2001, , 117-137.		27
81	BEHAVIORAL MECHANISMS AND HABITAT USE BY BIRDS IN A FRAGMENTED AGRICULTURAL LANDSCAPE. , 2000, 10, 1732-1748.		76
82	Recreational trails, human activity, and nest predation in lowland riparian areas. <i>Landscape and Urban Planning</i> , 2000, 50, 227-236.	7.5	120
83	Estimating the cumulative effects of development on wildlife habitat. <i>Landscape and Urban Planning</i> , 1997, 39, 25-36.	7.5	327
84	Forest roads and landscape structure in the southern Rocky Mountains. <i>Landscape Ecology</i> , 1996, 11, 115-127.	4.2	67
85	Changes in the landscape structure of a southeastern Wyoming riparian zone following shifts in stream dynamics. <i>Biological Conservation</i> , 1995, 72, 371-379.	4.1	64
86	Recommendations on experimentation with children: Some differences in Canadian and American approaches. <i>Bioethics Quarterly</i> , 1980, 2, 141-147.	0.2	0
87	Nonspecific X-linked mental retardation II: The frequency in British Columbia. <i>American Journal of Medical Genetics Part A</i> , 1980, 7, 461-469.	2.4	272
88	Embryo transfer in the analysis of teratological responses of mice: A critical examination. <i>Teratology</i> , 1980, 21, 333-338.	1.6	3
89	Canadian College of Medical Geneticists. <i>American Journal of Medical Genetics Part A</i> , 1979, 3, 11-14.	2.4	4
90	Further comments on "contraceptive hormones and congenital heart disease". <i>Teratology</i> , 1978, 17, 359-360.	1.6	3

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91	Response to letter to the editor of Doctor Nora. <i>Teratology</i> , 1977, 15, 332-332.	1.6	3
92	Prenatal exposure to oral contraceptives and transposition of the great vessels in man. <i>Teratology</i> , 1975, 12, 239-243.	1.6	31
93	The genetics of dermal ridges. Sarah B. Holt, Thomas, Springfield, Illinois, 195pp. 1968. <i>Teratology</i> , 1970, 3, 101-102.	1.6	1
94	Effect of Soil pH on the Availability of Magnesium to Corn ( <i>Zea mays</i> L.) from Magnesium Sulfate and High Magnesium Liming Materials. <i>Soil Science Society of America Journal</i> , 1967, 31, 390-393.	2.2	6
95	Recoupling cross-scale interactions in tall fescue-invaded tallgrass prairie. <i>Landscape Ecology</i> , 0, , 1.	4.2	2
96	Increased abundance and productivity of a grassland bird after experimental control of invasive tall fescue. <i>Restoration Ecology</i> , 0, , .	2.9	0