

Diane M Debinski

List of Publications by Year in descending order

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Version: 2024-02-01

78
papers

4,265
citations

147726

31
h-index

114418

63
g-index

79
all docs

79
docs citations

79
times ranked

4659
citing authors

#	ARTICLE	IF	CITATIONS
1	Warming temperatures affect meadow-wide nectar resources, with implications for plant-pollinator communities. <i>Ecosphere</i> , 2022, 13, .	1.0	3
2	Natural History Observations on <i>Parnassius clodius altaurus</i> and <i>Parnassius smintheus magnus</i> (Papilionidae) in Grand Teton National Park, Wy. <i>Journal of the Lepidopterists' Society</i> , 2021, 75, .	0.0	0
3	Moderate Grazer Density Stabilizes Forage Availability More Than Patch Burning in Low-Stature Grassland. <i>Land</i> , 2021, 10, 395.	1.2	2
4	Using Adaptive Management to Restore Grasslands Invaded by Tall Fescue (<i>Schedonorus</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 622 Td	1.1	4
5	Evaluating Native Bee Communities and Nutrition in Managed Grasslands. <i>Environmental Entomology</i> , 2020, 49, 717-725.	0.7	8
6	Restoring the fire-grazing interaction promotes tree-grass coexistence by controlling woody encroachment. <i>Ecosphere</i> , 2020, 11, e02993.	1.0	13
7	Evaluating the Utility of Species Distribution Models in Informing Climate Change-Resilient Grassland Restoration Strategy. <i>Frontiers in Ecology and Evolution</i> , 2019, 7, .	1.1	11
8	Occupancy modeling of <i>Parnassius clodius</i> butterfly populations in Grand Teton National Park, Wyoming. <i>Journal of Insect Conservation</i> , 2018, 22, 267-276.	0.8	2
9	Monarch butterflies do not place all of their eggs in one basket: oviposition on nine Midwestern milkweed species. <i>Ecosphere</i> , 2018, 9, e02064.	1.0	21
10	Monarch Butterflies Show Differential Utilization of Nine Midwestern Milkweed Species. <i>Frontiers in Ecology and Evolution</i> , 2018, 6, .	1.1	17
11	The emergence of heterogeneity in invasive-dominated grassland: a matter of the scale of detection. <i>Landscape Ecology</i> , 2018, 33, 2103-2119.	1.9	9
12	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.	1.9	15
13	High community turnover and dispersal limitation relative to rapid climate change. <i>Global Ecology and Biogeography</i> , 2017, 26, 459-471.	2.7	30
14	Climate Extremes, Vegetation Change, and Decoupling of Interactive Fire-Grazing Processes Exacerbate Fly Parasitism of Cattle. <i>Environmental Entomology</i> , 2017, 46, 191-200.	0.7	5
15	Performance of Early Instar Monarch Butterflies (<i>Danaus plexippus</i> L.) on Nine Milkweed Species Native to Iowa. <i>Journal of the Lepidopterists' Society</i> , 2017, 71, 153-161.	0.0	11
16	Milkweed Matters: Monarch Butterfly (Lepidoptera: Nymphalidae) Survival and Development on Nine Midwestern Milkweed Species. <i>Environmental Entomology</i> , 2017, 46, 1098-1105.	0.7	33
17	Using Regional Climate Projections to Guide Grassland Community Restoration in the Face of Climate Change. <i>Frontiers in Plant Science</i> , 2017, 8, 730.	1.7	15
18	Temporal variability in aboveground plant biomass decreases as spatial variability increases. <i>Ecology</i> , 2016, 97, 555-560.	1.5	30

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19	Bee Abundance and Nutritional Status in Relation to Grassland Management Practices in an Agricultural Landscape. <i>Environmental Entomology</i> , 2016, 45, 338-347.	0.7	15
20	Constraints to restoring fire and grazing ecological processes to optimize grassland vegetation structural diversity. <i>Ecological Engineering</i> , 2016, 95, 865-875.	1.6	32
21	Adapting the Fire-Grazing Interaction to Small Pastures in a Fragmented Landscape for Grassland Bird Conservation. <i>Rangeland Ecology and Management</i> , 2016, 69, 300-309.	1.1	25
22	Effects of Tall Fescue and Its Fungal Endophyte on the Development and Survival of Tawny-Edged Skippers (Lepidoptera: Hesperidae). <i>Environmental Entomology</i> , 2016, 45, 142-149.	0.7	11
23	Exotic-Dominated Grasslands Show Signs of Recovery with Cattle Grazing and Fire. <i>PLoS ONE</i> , 2016, 11, e0165758.	1.1	11
24	Temporal variability in aboveground plant biomass decreases as spatial variability increases. <i>Ecology</i> , 2016, , .	1.5	2
25	Temporal variability in aboveground plant biomass decreases as spatial variability increases. <i>Ecology</i> , 2016, 97, 555-60.	1.5	20
26	Wind Tunnel Studies of Temperature Dependence and Behavior of Butterflies in the Context of Habitat Edges. <i>Journal of the Lepidopterists' Society</i> , 2015, 69, 125-130.	0.0	0
27	An Unexpected Journey: Greater Prairie-chicken Travels Nearly 4000 km after Translocation to Iowa. <i>American Midland Naturalist</i> , 2015, 174, 343-349.	0.2	10
28	Predator identity influences the effect of habitat management on nest predation. <i>Ecological Applications</i> , 2015, 25, 1596-1605.	1.8	43
29	Drought Influences Control of Parasitic Flies of Cattle on Pastures Managed with Patch-Burn Grazing. <i>Rangeland Ecology and Management</i> , 2015, 68, 290-297.	1.1	12
30	Land-use history and an invasive grass affect tallgrass prairie sedge community composition. <i>Applied Vegetation Science</i> , 2015, 18, 209-219.	0.9	4
31	Connecting Soil Organic Carbon and Root Biomass with Land-Use and Vegetation in Temperate Grassland. <i>Scientific World Journal</i> , The, 2014, 2014, 1-9.	0.8	29
32	Landowners' perceptions of risk in grassland management: woody plant encroachment and prescribed fire. <i>Ecology and Society</i> , 2014, 19, .	1.0	31
33	Fire induced reproductive mechanisms of a <i>Symphoricarpos</i> (Caprifoliaceae) shrub after dormant season burning. , 2014, 55, 80.		13
34	Effects of grassland management practices on ant functional groups in central North America. <i>Journal of Insect Conservation</i> , 2013, 17, 699-713.	0.8	42
35	Inconsistent outcomes of heterogeneity-based management underscore importance of matching evaluation to conservation objectives. <i>Environmental Science and Policy</i> , 2013, 31, 53-60.	2.4	29
36	Moving forward in global change ecology: capitalizing on natural variability. <i>Ecology and Evolution</i> , 2013, 3, 170-181.	0.8	29

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37	An Invasive Grass Increases Live Fuel Proportion and Reduces Fire Spread in a Simulated Grassland. <i>Ecosystems</i> , 2013, 16, 158-169.	1.6	36
38	Gradient-based habitat affinities predict species vulnerability to drought. <i>Ecology</i> , 2013, 94, 1036-1045.	1.5	13
39	Multivariate Analysis of Rangeland Vegetation and Soil Organic Carbon Describes Degradation, Informs Restoration and Conservation. <i>Land</i> , 2013, 2, 328-350.	1.2	18
40	Nature reserves as catalysts for landscape change. <i>Frontiers in Ecology and the Environment</i> , 2012, 10, 144-152.	1.9	45
41	Untangling the effects of fire, grazing, and land-use legacies on grassland butterfly communities. <i>Biodiversity and Conservation</i> , 2012, 21, 2719-2746.	1.2	76
42	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.	1.2	24
43	Effects of fire and grazing on grasshopper sparrow nest survival. <i>Journal of Wildlife Management</i> , 2012, 76, 19-27.	0.7	59
44	Occurrence of Sarmientosin and Other Hydroxynitrile Glucosides in <i>Parnassius</i> (Papilionidae) Butterflies and Their Food Plants. <i>Journal of Chemical Ecology</i> , 2012, 38, 525-537.	0.9	12
45	Spatial heterogeneity across five rangelands managed with pyric herbivory. <i>Journal of Applied Ecology</i> , 2012, 49, 903-910.	1.9	65
46	A Comparison of the Arthropod Communities in Remnant, Restored, and Reconstructed Iowa Tallgrass Prairies. <i>Natural Areas Journal</i> , 2011, 31, 148-155.	0.2	8
47	A cross-taxonomic comparison of insect responses to grassland management and land-use legacies. <i>Ecosphere</i> , 2011, 2, art131.	1.0	55
48	Another tool in the toolbox? Using fire and grazing to promote bird diversity in highly fragmented landscapes. <i>Ecosphere</i> , 2011, 2, art28.	1.0	42
49	Postfledging Survival of Grasshopper Sparrows in Grasslands Managed with Fire and Grazing. <i>Condor</i> , 2011, 113, 429-437.	0.7	28
50	Montane meadow change during drought varies with background hydrologic regime and plant functional group. <i>Ecology</i> , 2010, 91, 1672-1681.	1.5	45
51	Direct and indirect responses of tallgrass prairie butterflies to prescribed burning. <i>Journal of Insect Conservation</i> , 2010, 14, 663-677.	0.8	68
52	Life-history traits predict species responses to habitat area and isolation: a cross-continental synthesis. <i>Ecology Letters</i> , 2010, 13, 969-979.	3.0	336
53	Butterfly, bee and forb community composition and cross-taxon incongruence in tallgrass prairie fragments. <i>Journal of Insect Conservation</i> , 2008, 12, 69-79.	0.8	48
54	Reproductive asynchrony in natural butterfly populations and its consequences for female matelessness. <i>Journal of Animal Ecology</i> , 2008, 77, 746-756.	1.3	56

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55	Response of songbirds to riparian willow habitat structure in the Greater Yellowstone Ecosystem. <i>Wilson Journal of Ornithology</i> , 2008, 120, 830-839.	0.1	10
56	Butterfly responses to prairie restoration through fire and grazing. <i>Biological Conservation</i> , 2007, 140, 78-90.	1.9	91
57	Local and landscape effects on the butterfly community in fragmented Midwest USA prairie habitats. <i>Landscape Ecology</i> , 2007, 22, 1341-1354.	1.9	77
58	Butterflies and Continuous Conservation Reserve Program Filter Strips: Landscape Considerations. <i>Wildlife Society Bulletin</i> , 2006, 34, 936-943.	1.6	20
59	The Landscape of Paul Errington's Work. <i>Wildlife Society Bulletin</i> , 2006, 34, 1411-1416.	1.6	1
60	Forest fragmentation and matrix effects: the matrix does matter. <i>Journal of Biogeography</i> , 2006, 33, 1791-1792.	1.4	55
61	Quantifying Relationships Between Bird And Butterfly Community Shifts And Environmental Change. , 2006, 16, 380-393.		30
62	Factors affecting butterfly use of filter strips in Midwestern USA. <i>Agriculture, Ecosystems and Environment</i> , 2005, 109, 40-47.	2.5	37
63	Evaluation of isolated and integrated prairie reconstructions as habitat for prairie butterflies. <i>Biological Conservation</i> , 2005, 126, 51-61.	1.9	73
64	Survival, movement, and resource use of the butterfly <i>Parnassius clodius</i> . <i>Ecological Entomology</i> , 2004, 29, 139-149.	1.1	57
65	Beyond Species Richness: Community Similarity as a Measure of Cross-Taxon Congruence for Coarse-Filter Conservation. <i>Conservation Biology</i> , 2004, 18, 167-173.	2.4	234
66	Assessing alternative futures for agriculture in Iowa, U.S.A.. <i>Landscape Ecology</i> , 2004, 19, 357-374.	1.9	92
67	Species diversity and the scale of the landscape mosaic: do scales of movement and patch size affect diversity?. <i>Biological Conservation</i> , 2001, 98, 179-190.	1.9	91
68	Conservation Value of Roadside Prairie Restoration to Butterfly Communities. <i>Conservation Biology</i> , 2001, 15, 401-411.	2.4	167
69	Butterfly responses to habitat edges in the highly fragmented prairies of Central Iowa. <i>Journal of Animal Ecology</i> , 2001, 70, 840-852.	1.3	212
70	Title is missing!. <i>Landscape Ecology</i> , 2001, 16, 71-83.	1.9	69
71	A Survey and Overview of Habitat Fragmentation Experiments. <i>Conservation Biology</i> , 2000, 14, 342-355.	2.4	1,100
72	Montane Meadows as Indicators of Environmental Change. <i>Environmental Monitoring and Assessment</i> , 2000, 64, 213-225.	1.3	38

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73	Effects of Larval Food-limitation on <i>Vanessa cardui</i> Linnaeus (Lepidoptera: Nymphalidae). <i>American Midland Naturalist</i> , 1999, 141, 315-322.	0.2	15
74	Multitemporal characterization and mapping of montane sagebrush communities using Indian IRS LISSâ€” imagery. <i>Geocarto International</i> , 1998, 13, 65-74.	1.7	18
75	Title is missing!. <i>Wetlands Ecology and Management</i> , 1997, 5, 265-273.	0.7	40
76	Genetic diversity assessment in a metapopulation of the butterfly <i>Euphydryas gillettii</i> . <i>Biological Conservation</i> , 1994, 70, 25-31.	1.9	48
77	Using Biodiversity Data to Assess Species-Habitat Relationships in Glacier National Park, Montana. , 1994, 4, 833-843.		67
78	Recoupling cross-scale interactions in tall fescue-invaded tallgrass prairie. <i>Landscape Ecology</i> , 0, , 1.	1.9	2