

# Evelyn H Merrill

## List of Publications by Year in descending order

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Version: 2024-02-01

105  
papers

8,339  
citations

57758

44  
h-index

48315

88  
g-index

108  
all docs

108  
docs citations

108  
times ranked

6608  
citing authors

#	ARTICLE	IF	CITATIONS
1	Moving in the Anthropocene: Global reductions in terrestrial mammalian movements. <i>Science</i> , 2018, 359, 466-469.	12.6	783
2	Resource Selection Functions Based on Use-Availability Data: Theoretical Motivation and Evaluation Methods. <i>Journal of Wildlife Management</i> , 2006, 70, 347-357.	1.8	593
3	Building the bridge between animal movement and population dynamics. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2010, 365, 2289-2301.	4.0	401
4	A MULTI-SCALE TEST OF THE FORAGE MATURATION HYPOTHESIS IN A PARTIALLY MIGRATORY UNGULATE POPULATION. <i>Ecological Monographs</i> , 2008, 78, 141-166.	5.4	384
5	Scale and heterogeneity in habitat selection by elk in Yellowstone National Park. <i>Ecoscience</i> , 2003, 10, 421-431.	1.4	295
6	Modelling wildlife-human relationships for social species with mixed-effects resource selection models. <i>Journal of Applied Ecology</i> , 2008, 45, 834-844.	4.0	292
7	Removing GPS collar bias in habitat selection studies. <i>Journal of Applied Ecology</i> , 2004, 41, 201-212.	4.0	273
8	Trade-offs between predation risk and forage differ between migrant strategies in a migratory ungulate. <i>Ecology</i> , 2009, 90, 3445-3454.	3.2	272
9	Foraging theory upscaled: the behavioural ecology of herbivore movement. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2010, 365, 2267-2278.	4.0	271
10	Spatial decomposition of predation risk using resource selection functions: an example in a wolf-elk predator-prey system. <i>Oikos</i> , 2005, 111, 101-111.	2.7	253
11	Selection, use, choice and occupancy: clarifying concepts in resource selection studies. <i>Journal of Animal Ecology</i> , 2013, 82, 1183-1191.	2.8	227
12	Scales of movement by elk ( <i>Cervus elaphus</i> ) in response to heterogeneity in forage resources and predation risk. <i>Landscape Ecology</i> , 2005, 20, 273-287.	4.2	224
13	HABITAT SELECTION BY ELK BEFORE AND AFTER WOLF REINTRODUCTION IN YELLOWSTONE NATIONAL PARK. <i>Journal of Wildlife Management</i> , 2005, 69, 1691-1707.	1.8	198
14	Foraging costs of vigilance in large mammalian herbivores. <i>Oikos</i> , 2004, 107, 172-180.	2.7	186
15	Multiscale wolf predation risk for elk: does migration reduce risk?. <i>Oecologia</i> , 2007, 152, 377-387.	2.0	182
16	How linear features alter predator movement and the functional response. <i>Interface Focus</i> , 2012, 2, 205-216.	3.0	137
17	Thresholds in landscape connectivity and mortality risks in response to growing road networks. <i>Journal of Applied Ecology</i> , 2008, 45, 1504-1513.	4.0	128
18	Twenty Years After the 1988 Yellowstone Fires: Lessons About Disturbance and Ecosystems. <i>Ecosystems</i> , 2011, 14, 1196-1215.	3.4	126

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19	Factors influencing female home range sizes in elk ( <i>Cervus elaphus</i> ) in North American landscapes. <i>Landscape Ecology</i> , 2005, 20, 257-271.	4.2	125
20	WILLOW ON YELLOWSTONE'S NORTHERN RANGE: EVIDENCE FOR A TROPHIC CASCADE?. <i>Ecological Applications</i> , 2007, 17, 1563-1571.	3.8	124
21	Statistical Methods for Identifying Wolf Kill Sites Using Global Positioning System Locations. <i>Journal of Wildlife Management</i> , 2008, 72, 798-807.	1.8	118
22	Demographic balancing of migrant and resident elk in a partially migratory population through forageâ€“predation tradeoffs. <i>Oikos</i> , 2011, 120, 1860-1870.	2.7	108
23	Are All Global Positioning System Collars Created Equal? Correcting Habitatâ€“Induced Bias Using Three Brands in the Central Canadian Rockies. <i>Journal of Wildlife Management</i> , 2007, 71, 2026-2033.	1.8	104
24	Know Thy Enemy: Experience Affects Elk Translocation Success in Risky Landscapes. <i>Journal of Wildlife Management</i> , 2007, 71, 541-554.	1.8	103
25	The attraction of the known: the importance of spatial familiarity in habitat selection in wapiti <i>&lt;i&gt;Cervus elaphus&lt;/i&gt;</i> . <i>Ecography</i> , 2009, 32, 401-410.	4.5	103
26	Behavioural flexibility in migratory behaviour in a longâ€“lived large herbivore. <i>Journal of Animal Ecology</i> , 2016, 85, 785-797.	2.8	100
27	REVIEW: Can habitat selection predict abundance?. <i>Journal of Animal Ecology</i> , 2016, 85, 11-20.	2.8	94
28	Adaptive models for large herbivore movements in heterogeneous landscapes. <i>Landscape Ecology</i> , 2005, 20, 301-316.	4.2	89
29	Building a mechanistic understanding of predation with GPS-based movement data. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2010, 365, 2279-2288.	4.0	89
30	How many routes lead to migration? Comparison of methods to assess and characterize migratory movements. <i>Journal of Animal Ecology</i> , 2016, 85, 54-68.	2.8	89
31	MULTI-TASKING BY MAMMALIAN HERBIVORES: OVERLAPPING PROCESSES DURING FORAGING. <i>Ecology</i> , 2004, 85, 2312-2322.	3.2	79
32	First Passage Time Analysis of Animal Movement and Insights into the Functional Response. <i>Bulletin of Mathematical Biology</i> , 2009, 71, 107-129.	1.9	66
33	Broad and fine-scale genetic analysis of white-tailed deer populations: estimating the relative risk of chronic wasting disease spread. <i>Evolutionary Applications</i> , 2011, 4, 116-131.	3.1	63
34	Is the Migratory Behavior of Montane Elk Herds in Peril? The Case of Alberta's Ya Ha Tinda Elk Herd. <i>Wildlife Society Bulletin</i> , 2006, 34, 1280-1294.	1.6	62
35	Responses of Bluebunch Wheatgrass, Idaho fescue, and nematodes to ungulate grazing in Yellowstone National Park. <i>Oikos</i> , 1994, 69, 231.	2.7	61
36	Mapping out a future for ungulate migrations. <i>Science</i> , 2021, 372, 566-569.	12.6	61

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37	Residuals cannot distinguish between ecological effects of habitat amount and fragmentation: implications for the debate. <i>Landscape Ecology</i> , 2007, 22, 811-820.	4.2	60
38	Identifying Movement States From Location Data Using Cluster Analysis. <i>Journal of Wildlife Management</i> , 2010, 74, 588-594.	1.8	59
39	Wildlife disease elimination and density dependence. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2012, 279, 3139-3145.	2.6	58
40	Prevalence and Mechanisms of Partial Migration in Ungulates. <i>Frontiers in Ecology and Evolution</i> , 2019, 7, .	2.2	56
41	Modelling landscape effects on densityâ€“contact rate relationships of deer in eastern Alberta: Implications for chronic wasting disease. <i>Ecological Modelling</i> , 2011, 222, 2722-2732.	2.5	53
42	Wave-like Patterns of Plant Phenology Determine Ungulate Movement Tactics. <i>Current Biology</i> , 2020, 30, 3444-3449.e4.	3.9	52
43	Estimation of Green Herbaceous Phytomass from Landsat MSS Data in Yellowstone National Park. <i>Journal of Range Management</i> , 1993, 46, 151.	0.3	49
44	Polymorphisms at the <i>PRNP</i> Gene Influence Susceptibility to Chronic Wasting Disease in Two Species of Deer ( <i>Odocoileus</i> Spp.) in Western Canada. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2009, 72, 1025-1029.	2.3	49
45	Functional response of wolves to human development across boreal North America. <i>Ecology and Evolution</i> , 2019, 9, 10801-10815.	1.9	48
46	Trophic consequences of postfire logging in a wolfâ€“ungulate system. <i>Forest Ecology and Management</i> , 2009, 257, 1053-1062.	3.2	47
47	A digital land cover map of Wyoming, USA: a tool for vegetation analysis. <i>Journal of Vegetation Science</i> , 1997, 8, 133-146.	2.2	44
48	Estimating woody browse availability for ungulates at increasing snow depths. <i>Forest Ecology and Management</i> , 2006, 222, 348-354.	3.2	44
49	Elk Calf Response to Simulated Mine Disturbance in Southeast Idaho. <i>Journal of Wildlife Management</i> , 1985, 49, 751.	1.8	41
50	Territory surveillance and prey management: Wolves keep track of space and time. <i>Ecology and Evolution</i> , 2017, 7, 8388-8405.	1.9	37
51	Thermal constraints on use of cover types and activity time of elk. <i>Applied Animal Behaviour Science</i> , 1991, 29, 251-267.	1.9	36
52	Demography of a harvested population of wolves ( <i>Canis lupus</i> ) in west-central Alberta, Canada. <i>Canadian Journal of Zoology</i> , 2011, 89, 744-752.	1.0	36
53	Hierarchical predation: wolf ( <i>Canis lupus</i> ) selection along hunt paths and at kill sites. <i>Canadian Journal of Zoology</i> , 2012, 90, 555-563.	1.0	36
54	The influence of snow on the functional response of grazing ungulates. <i>Oikos</i> , 2012, 121, 28-34.	2.7	36

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55	Chronic wasting disease: Possible transmission mechanisms in deer. <i>Ecological Modelling</i> , 2013, 250, 244-257.	2.5	35
56	Multiscale population genetic analysis of mule deer ( <i>Odocoileus hemionus hemionus</i> ) in western Canada sheds new light on the spread of chronic wasting disease. <i>Canadian Journal of Zoology</i> , 2011, 89, 134-147.	1.0	33
57	Landscape connectivity predicts chronic wasting disease risk in Canada. <i>Journal of Applied Ecology</i> , 2016, 53, 1450-1459.	4.0	33
58	DOES PREY BIOMASS OR MERCURY EXPOSURE AFFECT LOON CHICK SURVIVAL IN WISCONSIN?. <i>Journal of Wildlife Management</i> , 2005, 69, 57-67.	1.8	31
59	Are migrant and resident elk ( <i>Cervus elaphus</i> ) exposed to similar forage and predation risk on their sympatric winter range?. <i>Oecologia</i> , 2010, 164, 265-275.	2.0	31
60	Chronic Wasting Disease: Transmission Mechanisms and the Possibility of Harvest Management. <i>PLoS ONE</i> , 2016, 11, e0151039.	2.5	31
61	Temporal dynamics of forage succession for elk at two scales: Implications of forest management. <i>Forest Ecology and Management</i> , 2009, 257, 96-106.	3.2	30
62	Foraging vigilance trade-offs in a partially migratory population: comparing migrants and residents on a sympatric range. <i>Animal Behaviour</i> , 2013, 85, 849-856.	1.9	28
63	Targeting the detection of chronic wasting disease using the hunter harvest during early phases of an outbreak in Saskatchewan, Canada. <i>Preventive Veterinary Medicine</i> , 2012, 104, 149-159.	1.9	26
64	Inferring linear feature use in the presence of GPS measurement error. <i>Environmental and Ecological Statistics</i> , 2009, 16, 531-546.	3.5	24
65	Time-to-kill: measuring attack rates in a heterogenous landscape with multiple prey types. <i>Oikos</i> , 2012, 121, 711-720.	2.7	24
66	A collaborative approach to bridging the gap between wildlife managers and researchers. <i>Journal of Wildlife Management</i> , 2019, 83, 1644-1651.	1.8	24
67	<i>Festuca campestris</i> alters root morphology and growth in response to simulated grazing and nitrogen form. <i>Functional Ecology</i> , 2010, 24, 283-292.	3.6	22
68	Effects of a Fall Wildfire on Herbaceous Vegetation on Xeric Sites in the Selway-Bitterroot Wilderness, Idaho. <i>Journal of Range Management</i> , 1980, 33, 363.	0.3	18
69	Density-independent predation affects migrants and residents equally in a declining partially migratory elk population. <i>Oikos</i> , 2018, 127, 1304-1318.	2.7	17
70	Reviewer overload and what can we do about it. <i>Journal of Wildlife Management</i> , 2014, 78, 961-962.	1.8	15
71	Summer foraging ecology of wapiti ( <i>Cervus elaphus roosevelti</i> ) in the Mount St. Helens blast zone. <i>Canadian Journal of Zoology</i> , 1994, 72, 303-311.	1.0	14
72	PREVALENCE OF ANTIBODIES TO CANINE PARVOVIRUS AND DISTEMPER VIRUS IN WOLVES IN THE CANADIAN ROCKY MOUNTAINS. <i>Journal of Wildlife Diseases</i> , 2012, 48, 68-76.	0.8	14

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73	Using Resource Selection Functions to Improve Estimation of Elk Population Numbers. <i>Journal of Wildlife Management</i> , 2008, 72, 1798-1804.	1.8	13
74	Elk nutritional resources: Herbicides, herbivory and forest succession at Mount St. Helens. <i>Forest Ecology and Management</i> , 2017, 401, 242-254.	3.2	12
75	Simulating carnivore movements: An occupancyâ€‘abundance relationship for surveying wolves. <i>Wildlife Society Bulletin</i> , 2012, 36, 240-247.	1.6	11
76	What's in a Title?. <i>Journal of Wildlife Management</i> , 2014, 78, 761-762.	1.8	11
77	Mothers' Movements: Shifts in Calving Area Selection by Partially Migratory Elk. <i>Journal of Wildlife Management</i> , 2021, 85, 1476-1489.	1.8	11
78	Deciduous woodland conservation under heavy deer browsing on Devils Tower National Monument, USA. <i>Journal for Nature Conservation</i> , 2003, 10, 221-232.	1.8	10
79	Density-Dependent Foraging Behaviors on Sympatric Winter Ranges in a Partially Migratory Elk Population. <i>Frontiers in Ecology and Evolution</i> , 2020, 8, .	2.2	10
80	Hierarchical trade-offs between risk and reward mediated by behavior. <i>Mammal Research</i> , 2017, 62, 129-140.	1.3	9
81	Spatio-temporal changes in chronic wasting disease risk in wild deer during 14 years of surveillance in Alberta, Canada. <i>Preventive Veterinary Medicine</i> , 2021, 197, 105512.	1.9	9
82	Large herbivores in a partially migratory population search for the ideal free home. <i>Ecology</i> , 2022, 103, e3652.	3.2	8
83	Shrub Responses after Fire in an Idaho Ponderosa Pine Community. <i>Journal of Wildlife Management</i> , 1982, 46, 496.	1.8	7
84	Detection and stratification approaches for aerial surveys of deer in prairieâ€‘parklands. <i>Wildlife Research</i> , 2012, 39, 593.	1.4	7
85	Data sharing and reuse: What are the issues?. <i>Journal of Wildlife Management</i> , 2014, 78, 381-382.	1.8	7
86	Are management implications for theJournalceremonial?. <i>Journal of Wildlife Management</i> , 2015, 79, 1-2.	1.8	6
87	Defoliation, Waterlogging and Dung Influences Allocation Patterns of <i>Deschampsia caespitosa</i> . <i>Journal of Range Management</i> , 2003, 56, 634.	0.3	5
88	Empirical Estimation of R0 for Unknown Transmission Functions: The Case of Chronic Wasting Disease in Alberta. <i>PLoS ONE</i> , 2015, 10, e0140024.	2.5	5
89	Where we go wrong: Issues of dual publication and self-plagiarism. <i>Journal of Wildlife Management</i> , 2015, 79, 355-356.	1.8	5
90	Functional connectivity in ruminants: A generalized state-dependent modelling approach. <i>PLoS ONE</i> , 2018, 13, e0199671.	2.5	5

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91	Living with liver flukes: Does migration matter?. <i>International Journal for Parasitology: Parasites and Wildlife</i> , 2020, 12, 76-84.	1.5	5
92	Hierarchical, Memory-Based Movement Models for Translocated Elk ( <i>Cervus canadensis</i> ). <i>Frontiers in Ecology and Evolution</i> , 2021, 9, .	2.2	5
93	Assassin or zealot: What makes a good manuscript review?. <i>Journal of Wildlife Management</i> , 2014, 78, 1129-1130.	1.8	3
94	Beyond the encounter: Predicting multi-predator risk to elk ( <i>Cervus canadensis</i> ) in summer using predator scats. <i>Ecology and Evolution</i> , 2022, 12, e8589.	1.9	3
95	The Time Had Come. <i>Journal of Wildlife Management</i> , 2014, 78, 1-2.	1.8	2
96	Should we be publishing more null results?. <i>Journal of Wildlife Management</i> , 2014, 78, 569-570.	1.8	2
97	Why Publish in <i>The Journal of Wildlife Management</i> ?. <i>Journal of Wildlife Management</i> , 2014, 78, 181-182.	1.8	2
98	A word about supplemental materials. <i>Journal of Wildlife Management</i> , 2015, 79, 1039-1040.	1.8	2
99	Sensitivity and integrity of authorship. <i>Journal of Wildlife Management</i> , 2015, 79, 171-173.	1.8	2
100	What Taxa Are Appropriate for the <i>Journal</i> ?. <i>Journal of Wildlife Management</i> , 2015, 79, 527-528.	1.8	2
101	Identifying guard hairs of Rocky Mountain carnivores. <i>Wildlife Society Bulletin</i> , 2018, 42, 706-712.	1.6	2
102	The time has come and gone. <i>Journal of Wildlife Management</i> , 2015, 79, 1211-1212.	1.8	1
103	Time flies when there is no downtime. <i>Journal of Wildlife Management</i> , 2014, 78, 1321-1321.	1.8	0
104	Bibliographic databases: Is <i>The Journal of Wildlife Management</i> being found?. <i>Journal of Wildlife Management</i> , 2015, 79, 693-694.	1.8	0
105	Spreading speed of chronic wasting disease across deer groups with overlapping home ranges. <i>Journal of Theoretical Biology</i> , 2022, , 111135.	1.7	0