

Mark S Boyce

List of Publications by Year in descending order

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Version: 2024-02-01

246
papers

25,211
citations

8749

75
h-index

8156

148
g-index

253
all docs

253
docs citations

253
times ranked

16041
citing authors

#	ARTICLE	IF	CITATIONS
1	Evaluating resource selection functions. <i>Ecological Modelling</i> , 2002, 157, 281-300.	1.2	1,896
2	Cross-validation strategies for data with temporal, spatial, hierarchical, or phylogenetic structure. <i>Ecography</i> , 2017, 40, 913-929.	2.1	1,092
3	WOLVES INFLUENCE ELK MOVEMENTS: BEHAVIOR SHAPES A TROPHIC CASCADE IN YELLOWSTONE NATIONAL PARK. <i>Ecology</i> , 2005, 86, 1320-1330.	1.5	969
4	Estimating Uncertainty in Population Growth Rates: Jackknife vs. Bootstrap Techniques. <i>Ecology</i> , 1986, 67, 1156-1166.	1.5	803
5	Population Viability Analysis. <i>Annual Review of Ecology, Evolution, and Systematics</i> , 1992, 23, 481-497.	6.7	789
6	Relating populations to habitats using resource selection functions. <i>Trends in Ecology and Evolution</i> , 1999, 14, 268-272.	4.2	644
7	Resource Selection Functions Based on Use of Availability Data: Theoretical Motivation and Evaluation Methods. <i>Journal of Wildlife Management</i> , 2006, 70, 347-357.	0.7	593
8	Animal ecology meets GPS-based radiotelemetry: a perfect storm of opportunities and challenges. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2010, 365, 2157-2162.	1.8	560
9	Seasonality, Fasting Endurance, and Body Size in Mammals. <i>American Naturalist</i> , 1985, 125, 873-878.	1.0	512
10	Modelling distribution and abundance with presence-only data. <i>Journal of Applied Ecology</i> , 2006, 43, 405-412.	1.9	492
11	Applications of step-selection functions in ecology and conservation. <i>Movement Ecology</i> , 2014, 2, 4.	1.3	404
12	LONGEVITY CAN BUFFER PLANT AND ANIMAL POPULATIONS AGAINST CHANGING CLIMATIC VARIABILITY. <i>Ecology</i> , 2008, 89, 19-25.	1.5	386
13	Global declines of caribou and reindeer. <i>Global Change Biology</i> , 2009, 15, 2626-2633.	4.2	369
14	Scale for resource selection functions. <i>Diversity and Distributions</i> , 2006, 12, 269-276.	1.9	366
15	Demography in an increasingly variable world. <i>Trends in Ecology and Evolution</i> , 2006, 21, 141-148.	4.2	361
16	Seasonality and Patterns of Natural Selection for Life Histories. <i>American Naturalist</i> , 1979, 114, 569-583.	1.0	332
17	Integrated step selection analysis: bridging the gap between resource selection and animal movement. <i>Methods in Ecology and Evolution</i> , 2016, 7, 619-630.	2.2	316
18	Optimizing Great Tit Clutch Size in a Fluctuating Environment. <i>Ecology</i> , 1987, 68, 142-153.	1.5	314

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19	Corridors for Conservation: Integrating Pattern and Process. Annual Review of Ecology, Evolution, and Systematics, 2006, 37, 317-342.	3.8	313
20	Effects of Humans on Behaviour of Wildlife Exceed Those of Natural Predators in a Landscape of Fear. PLoS ONE, 2012, 7, e50611.	1.1	305
21	Scale and heterogeneity in habitat selection by elk in Yellowstone National Park. Ecoscience, 2003, 10, 421-431.	0.6	295
22	A quantitative approach to conservation planning: using resource selection functions to map the distribution of mountain caribou at multiple spatial scales. Journal of Applied Ecology, 2004, 41, 238-251.	1.9	291
23	Removing GPS collar bias in habitat selection studies. Journal of Applied Ecology, 2004, 41, 201-212.	1.9	273
24	Landscape heterogeneity shapes predation in a newly restored predator-prey system. Ecology Letters, 2007, 10, 690-700.	3.0	266
25	LINKING OCCURRENCE AND FITNESS TO PERSISTENCE: HABITAT-BASED APPROACH FOR ENDANGERED GREATER SAGE-GROUSE. , 2007, 17, 508-526.		250
26	Memory keeps you at home: a mechanistic model for home range emergence. Oikos, 2009, 118, 641-652.	1.2	228
27	Correlation and studies of habitat selection: problem, red herring or opportunity?. Philosophical Transactions of the Royal Society B: Biological Sciences, 2010, 365, 2233-2244.	1.8	228
28	Selection, use, choice and occupancy: clarifying concepts in resource selection studies. Journal of Animal Ecology, 2013, 82, 1183-1191.	1.3	227
29	SEASONAL AND DIEL PATTERNS OF GRIZZLY BEAR DIET AND ACTIVITY IN WEST-CENTRAL ALBERTA. Journal of Mammalogy, 2006, 87, 1112-1121.	0.6	224
30	Seasonal Compensation of Predation and Harvesting. Oikos, 1999, 87, 419.	1.2	200
31	HABITAT SELECTION BY ELK BEFORE AND AFTER WOLF REINTRODUCTION IN YELLOWSTONE NATIONAL PARK. Journal of Wildlife Management, 2005, 69, 1691-1707.	0.7	198
32	Movement responses by wolves to industrial linear features and their effect on woodland caribou in northeastern Alberta. , 2011, 21, 2854-2865.		194
33	Human selection of elk behavioural traits in a landscape of fear. Proceedings of the Royal Society B: Biological Sciences, 2012, 279, 4407-4416.	1.2	193
34	A habitat-based framework for grizzly bear conservation in Alberta. Biological Conservation, 2006, 130, 217-229.	1.9	191
35	Foraging costs of vigilance in large mammalian herbivores. Oikos, 2004, 107, 172-180.	1.2	186
36	Modelling the spatial distribution of human-caused grizzly bear mortalities in the Central Rockies ecosystem of Canada. Biological Conservation, 2004, 120, 101-113.	1.9	179

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37	Can models of presence-absence be used to scale abundance? Two case studies considering extremes in life history. <i>Ecography</i> , 2005, 28, 197-208.	2.1	176
38	Use of resource selection functions to identify conservation corridors. <i>Journal of Applied Ecology</i> , 2009, 46, 1036-1047.	1.9	175
39	Climatic variability and body size variation in the muskrats (<i>Ondatra zibethicus</i>) of North America. <i>Oecologia</i> , 1978, 36, 1-19.	0.9	174
40	Three way k-fold cross-validation of resource selection functions. <i>Ecological Modelling</i> , 2008, 212, 244-255.	1.2	158
41	Dynamic wildlife habitat models: Seasonal foods and mortality risk predict occupancy-abundance and habitat selection in grizzly bears. <i>Biological Conservation</i> , 2010, 143, 1623-1634.	1.9	152
42	Population fragmentation and inter-ecosystem movements of grizzly bears in western Canada and the northern United States. <i>Wildlife Monographs</i> , 2012, 180, 1-46.	2.0	150
43	STATE-SPACE MODELS LINK ELK MOVEMENT PATTERNS TO LANDSCAPE CHARACTERISTICS IN YELLOWSTONE NATIONAL PARK. <i>Ecological Monographs</i> , 2007, 77, 285-299.	2.4	148
44	Grizzly bears and forestry. <i>Forest Ecology and Management</i> , 2004, 199, 51-65.	1.4	143
45	Grizzly bears and forestry. <i>Forest Ecology and Management</i> , 2004, 199, 67-82.	1.4	141
46	Lifetime reproductive success and density-dependent, multi-variable resource selection. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2006, 273, 1449-1454.	1.2	137
47	Relative Selection Strength: Quantifying effect size in habitat and step selection inference. <i>Ecology and Evolution</i> , 2017, 7, 5322-5330.	0.8	137
48	Vehicle traffic shapes grizzly bear behaviour on a multiple-use landscape. <i>Journal of Applied Ecology</i> , 2012, 49, 1159-1167.	1.9	134
49	LIFETIME REPRODUCTIVE SUCCESS AND COMPOSITION OF THE HOME RANGE IN A LARGE HERBIVORE. <i>Ecology</i> , 2007, 88, 3192-3201.	1.5	129
50	Range-wide patterns of greater sage-grouse persistence. <i>Diversity and Distributions</i> , 2008, 14, 983-994.	1.9	129
51	Twenty Years After the 1988 Yellowstone Fires: Lessons About Disturbance and Ecosystems. <i>Ecosystems</i> , 2011, 14, 1196-1215.	1.6	126
52	Development and testing of phenologically driven grizzly bear habitat models. <i>Ecoscience</i> , 2003, 10, 1-10.	0.6	125
53	Factors influencing female home range sizes in elk (<i>Cervus elaphus</i>) in North American landscapes. <i>Landscape Ecology</i> , 2005, 20, 257-271.	1.9	125
54	Evaluating Global Positioning System Telemetry Techniques for Estimating Cougar Predation Parameters. <i>Journal of Wildlife Management</i> , 2009, 73, 586-597.	0.7	125

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55	WILLOW ON YELLOWSTONE'S NORTHERN RANGE: EVIDENCE FOR A TROPHIC CASCADE?. Ecological Applications, 2007, 17, 1563-1571.	1.8	124
56	Flexible habitat selection by cougars in response to anthropogenic development. Biological Conservation, 2014, 178, 136-145.	1.9	119
57	Forest landscape change in the northwestern Wisconsin Pine Barrens from pre-European settlement to the present. Canadian Journal of Forest Research, 1999, 29, 1649-1659.	0.8	118
58	West Nile virus: pending crisis for greater sage-grouse. Ecology Letters, 2004, 7, 704-713.	3.0	117
59	Agricultural lands as ecological traps for grizzly bears. Animal Conservation, 2012, 15, 369-377.	1.5	116
60	Detecting Jack Pine Budworm Defoliation Using Spectral Mixture Analysis. Remote Sensing of Environment, 1999, 69, 156-169.	4.6	115
61	GRIZZLY BEAR HABITAT SELECTION IS SCALE DEPENDENT. , 2007, 17, 1424-1440.		110
62	Cougar Kill Rate and Prey Composition in a Multiprey System. Journal of Wildlife Management, 2010, 74, 1435-1447.	0.7	110
63	Characterizing wildlife behavioural responses to roads using integrated step selection analysis. Journal of Applied Ecology, 2017, 54, 470-479.	1.9	104
64	Know Thy Enemy: Experience Affects Elk Translocation Success in Risky Landscapes. Journal of Wildlife Management, 2007, 71, 541-554.	0.7	103
65	SCALE-DEPENDENT SUMMER RESOURCE SELECTION BY REINTRODUCED ELK IN WISCONSIN, USA. Journal of Wildlife Management, 2005, 69, 298-310.	0.7	101
66	Population growth with stochastic fluctuations in the life table. Theoretical Population Biology, 1977, 12, 366-373.	0.5	97
67	Habitat selection and spatial relationships of black bears (<i>Ursus americanus</i>) with woodland caribou (<i>Rangifer tarandus caribou</i>) in northeastern Alberta. Canadian Journal of Zoology, 2011, 89, 267-277.	0.4	95
68	GPS Based Daily Activity Patterns in European Red Deer and North American Elk (<i>Cervus elaphus</i>): Indication for a Weak Circadian Clock in Ungulates. PLoS ONE, 2014, 9, e106997.	1.1	94
69	REVIEW: Can habitat selection predict abundance?. Journal of Animal Ecology, 2016, 85, 11-20.	1.3	94
70	Grizzly bear connectivity mapping in the Canada-United States transborder region. Journal of Wildlife Management, 2015, 79, 544-558.	0.7	92
71	Sage-Grouse Habitat Selection During Winter in Alberta. Journal of Wildlife Management, 2010, 74, 1806-1814.	0.7	90
72	Temporal autocorrelation functions for movement rates from global positioning system radiotelemetry data. Philosophical Transactions of the Royal Society B: Biological Sciences, 2010, 365, 2213-2219.	1.8	90

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73	Nature vs. Nurture: Evidence for Social Learning of Conflict Behaviour in Grizzly Bears. PLoS ONE, 2016, 11, e0165425.	1.1	89
74	Feeding Trials with Insects in the Diet of Sage Grouse Chicks. Journal of Wildlife Management, 1990, 54, 89.	0.7	88
75	Observed and predicted effects of climate change on Arctic caribou and reindeer. Environmental Reviews, 2018, 26, 13-25.	2.1	84
76	Density Dependence and Survival of Elk in Northwestern Wyoming. Journal of Wildlife Management, 1983, 47, 31.	0.7	83
77	Denning behavior and den site selection of grizzly bears along the Parsnip River, British Columbia, Canada. Ursus, 2005, 16, 47-58.	0.3	83
78	EFFECTS OF INTERACTING DISTURBANCES ON LANDSCAPE PATTERNS: BUDWORM DEFOLIATION AND SALVAGE LOGGING. , 2000, 10, 233-247.		81
79	MULTI-TASKING BY MAMMALIAN HERBIVORES: OVERLAPPING PROCESSES DURING FORAGING. Ecology, 2004, 85, 2312-2322.	1.5	79
80	An Evaluation of Sex-Age-Kill (SAK) Model Performance. Journal of Wildlife Management, 2009, 73, 442-451.	0.7	79
81	Effects of hunting on demographic parameters of American black bears. Ursus, 2007, 18, 1-18.	0.3	77
82	Grizzly bear movements relative to roads: application of step selection functions. Ecography, 2010, 33, 1113-1122.	2.1	77
83	Troublemaking carnivores: conflicts with humans in a diverse assemblage of large carnivores. Ecology and Society, 2017, 22, .	1.0	74
84	Migratory behavior and management of elk (Cervus elaphus). Applied Animal Behaviour Science, 1991, 29, 239-250.	0.8	73
85	MODELING SURVIVAL: APPLICATION OF THE ANDERSEN&GILL MODEL TO YELLOWSTONE GRIZZLY BEARS. Journal of Wildlife Management, 2004, 68, 966-978.	0.7	73
86	Habitat selection predicts genetic relatedness in an alpine ungulate. Ecology, 2012, 93, 1317-1329.	1.5	71
87	Maternal and individual effects in selection of bed sites and their consequences for fawn survival at different spatial scales. Oecologia, 2009, 159, 669-678.	0.9	70
88	Humans Strengthen Bottom-Up Effects and Weaken Trophic Cascades in a Terrestrial Food Web. PLoS ONE, 2013, 8, e64311.	1.1	67
89	Harvesting in seasonal environments. Journal of Mathematical Biology, 2005, 50, 663-682.	0.8	66
90	Components of Grizzly Bear Habitat Selection: Density, Habitats, Roads, and Mortality Risk. Journal of Wildlife Management, 2007, 71, 1446-1457.	0.7	66

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91	Elk winter foraging at fine scale in Yellowstone National Park. <i>Oecologia</i> , 2005, 145, 334-342.	0.9	64
92	Grizzly bear response to spatio-temporal variability in human recreational activity. <i>Journal of Applied Ecology</i> , 2019, 56, 375-386.	1.9	63
93	Adaptive management for reintroductions: Updating a wolf recovery model for Yellowstone National Park. <i>Ecological Modelling</i> , 2006, 193, 315-339.	1.2	62
94	A Historical Perspective and Future Outlook on Landscape Scale Restoration in the Northwest Wisconsin Pine Barrens. <i>Restoration Ecology</i> , 2000, 8, 119-126.	1.4	61
95	Cougar Kill Rate and Prey Composition in a Multiprey System. <i>Journal of Wildlife Management</i> , 2010, 74, 1435-1447.	0.7	61
96	Perception of Human-Derived Risk Influences Choice at Top of the Food Chain. <i>PLoS ONE</i> , 2013, 8, e82738.	1.1	59
97	Grizzly bear ungulate consumption and the relevance of prey size to caching and meat sharing. <i>Animal Behaviour</i> , 2014, 92, 133-142.	0.8	58
98	Evaluation of intercept feeding to reduce livestock depredation by grizzly bears. <i>Ursus</i> , 2017, 28, 66-80.	0.3	58
99	Grizzly bears and forestry. <i>Forest Ecology and Management</i> , 2008, 256, 1262-1269.	1.4	56
100	Population Tracking of Fluctuating Environments and Natural Selection for Tracking Ability. <i>American Naturalist</i> , 1980, 115, 480-491.	1.0	56
101	Grizzly bears and forestry. <i>Forest Ecology and Management</i> , 2008, 256, 1253-1261.	1.4	55
102	The Red Queen Visits Sage Grouse Leaks. <i>American Zoologist</i> , 1990, 30, 263-270.	0.7	54
103	Can natural disturbance-based forestry rescue a declining population of grizzly bears?. <i>Biological Conservation</i> , 2008, 141, 2193-2207.	1.9	54
104	Quantifying patch distribution at multiple spatial scales: applications to wildlife-habitat models. <i>Landscape Ecology</i> , 2004, 19, 869-882.	1.9	53
105	Accounting for Fitness: Combining Survival and Selection when Assessing Wildlife-Habitat Relationships. <i>Israel Journal of Ecology and Evolution</i> , 2008, 54, 389-419.	0.2	53
106	Grizzly bears without borders: Spatially explicit capture-recapture in southwestern Alberta. <i>Journal of Wildlife Management</i> , 2016, 80, 1152-1166.	0.7	53
107	Learning from the mistakes of others: How female elk (<i>Cervus elaphus</i>) adjust behaviour with age to avoid hunters. <i>PLoS ONE</i> , 2017, 12, e0178082.	1.1	53
108	Roads elicit negative movement and habitat-selection responses by wolverines (<i>Gulo gulo luscus</i>). <i>Behavioral Ecology</i> , 2018, 29, 534-542.	1.0	50

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109	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
110	The changing relation of landscape patterns and jack pine budworm populations during an outbreak. <i>Oikos</i> , 2000, 90, 417-430.	1.2	49
111	Large Omnivore Movements in Response to Surface Mining and Mine Reclamation. <i>Scientific Reports</i> , 2016, 6, 19177.	1.6	49
112	Behavioral plasticity in a variable environment: snow depth and habitat interactions drive deer movement in winter. <i>Journal of Mammalogy</i> , 2017, 98, 246-259.	0.6	49
113	Land tenure shapes black bear density and abundance on a multi-use landscape. <i>Ecology and Evolution</i> , 2019, 9, 73-89.	0.8	49
114	From venison to beef: seasonal changes in wolf diet composition in a livestock grazing landscape. <i>Frontiers in Ecology and the Environment</i> , 2011, 9, 440-445.	1.9	48
115	Population dynamics of large and small mammals. <i>Oikos</i> , 2001, 92, 3-12.	1.2	47
116	Spatio-temporal patterns of mink and muskrat in Canada during a quarter century. <i>Journal of Animal Ecology</i> , 2001, 70, 671-682.	1.3	46
117	Predicting deer-vehicle collisions in an urban area. <i>Journal of Environmental Management</i> , 2011, 92, 2486-2493.	3.8	46
118	Extent-dependent habitat selection in a migratory large herbivore: road avoidance across scales. <i>Landscape Ecology</i> , 2017, 32, 313-325.	1.9	46
119	Systematics and conservation of the swift fox, <i>Vulpes velox</i> , in North America. <i>Biological Conservation</i> , 1986, 35, 97-110.	1.9	45
120	The role of human outdoor recreation in shaping patterns of grizzly bear-black bear co-occurrence. <i>PLoS ONE</i> , 2018, 13, e0191730.	1.1	45
121	Why are caribou declining in the oil sands?. <i>Frontiers in Ecology and the Environment</i> , 2012, 10, 65-67.	1.9	44
122	Habitat selection during ungulate dispersal and exploratory movement at broad and fine scale with implications for conservation management. <i>Movement Ecology</i> , 2014, 2, 15.	1.3	44
123	Grizzly bear diet shifting on reclaimed mines. <i>Global Ecology and Conservation</i> , 2015, 4, 207-220.	1.0	43
124	Hunting exacerbates the response to human disturbance in large herbivores while migrating through a road network. <i>Ecosphere</i> , 2017, 8, e01841.	1.0	43
125	Uncontrolled field performance of Televilt GPS-Simplex [®] collars on grizzly bears in western and northern Canada. <i>Wildlife Society Bulletin</i> , 2004, 32, 693-701.	1.6	42
126	Population structure and genetic diversity of greater sage-grouse (<i>Centrocercus urophasianus</i>) in fragmented landscapes at the northern edge of their range. <i>Conservation Genetics</i> , 2011, 12, 527-542.	0.8	42

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127	Do GPS clusters really work? carnivore diet from scat analysis and GPS telemetry methods. <i>Wildlife Society Bulletin</i> , 2011, 35, 409-415.	1.6	42
128	Wolves for Yellowstone: dynamics in time and space. <i>Journal of Mammalogy</i> , 2018, 99, 1021-1031.	0.6	42
129	Phase coupling and synchrony in the spatiotemporal dynamics of muskrat and mink populations across Canada. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2001, 98, 13149-13154.	3.3	41
130	Spatial patterns of cone serotiny in <i>Pinus banksiana</i> in relation to fire disturbance. <i>Forest Ecology and Management</i> , 2004, 189, 133-141.	1.4	41
131	Beaver Life-History Responses to Exploitation. <i>Journal of Applied Ecology</i> , 1981, 18, 749.	1.9	39
132	Does Learning or Instinct Shape Habitat Selection?. <i>PLoS ONE</i> , 2013, 8, e53721.	1.1	39
133	American black bear population fragmentation detected with pedigrees in the transborder Canada–United States region. <i>Ursus</i> , 2020, 2020, 1.	0.3	39
134	Conservation of the world's mammals: status, protected areas, community efforts, and hunting. <i>Journal of Mammalogy</i> , 2019, 100, 923-941.	0.6	38
135	Adaptive management of prairie grouse: how do we get there?. <i>Wildlife Society Bulletin</i> , 2004, 32, 92-103.	1.6	37
136	Long-term changes in pronghorn abundance index linked to climate and oil development in North Dakota. <i>Biological Conservation</i> , 2015, 192, 445-453.	1.9	36
137	Managing moose harvests by the seat of your pants. <i>Theoretical Population Biology</i> , 2012, 82, 340-347.	0.5	35
138	Differential risk effects of wolves on wild versus domestic prey have consequences for conservation. <i>Oikos</i> , 2010, 119, 1243-1254.	1.2	33
139	Bull trout (<i>Salvelinus confluentus</i>) occurrence and abundance influenced by cumulative industrial developments in a Canadian boreal forest watershed. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2005, 62, 2431-2442.	0.7	32
140	Prey Behavior, Age-Dependent Vulnerability, and Predation Rates. <i>American Naturalist</i> , 2008, 172, 712-725.	1.0	31
141	PARENTAL INVESTMENT AND MATING SYSTEMS IN MAMMALS. <i>Evolution; International Journal of Organic Evolution</i> , 1980, 34, 973-982.	1.1	30
142	Ten-Year Periodicity in Whooping Crane Census. <i>Auk</i> , 1985, 102, 658-660.	0.7	30
143	Why Human Neonates Are So Altricial. <i>American Naturalist</i> , 1982, 120, 537-542.	1.0	29
144	Spatial and temporal patterns of predation of simulated sage grouse nests at high and low nest densities: an experimental study. <i>Canadian Journal of Zoology</i> , 1995, 73, 819-825.	0.4	28

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145	Warning signs mitigate deer-vehicle collisions in an Urban area. <i>Wildlife Society Bulletin</i> , 2011, 35, 291-295.	1.6	28
146	Patch-use dynamics by a large herbivore. <i>Movement Ecology</i> , 2015, 3, 7.	1.3	28
147	Geographic variation in population cycles of Canadian muskrats (<i>Ondatra zibethicus</i>). <i>Canadian Journal of Zoology</i> , 2000, 78, 1009-1016.	0.4	27
148	Spatial variation in mink and muskrat interactions in Canada. <i>Oikos</i> , 2001, 93, 365-375.	1.2	27
149	Bacterial populations and metabolites in the feces of free roaming and captive grizzly bears. <i>Canadian Journal of Microbiology</i> , 2009, 55, 1335-1346.	0.8	27
150	Wolverine habitat selection in response to anthropogenic disturbance in the western Canadian boreal forest. <i>Forest Ecology and Management</i> , 2017, 395, 27-36.	1.4	27
151	Demographic meta-analysis: synthesizing vital rates for spotted owls. <i>Journal of Applied Ecology</i> , 2005, 42, 38-49.	1.9	26
152	Parental Investment and Mating Systems in Mammals. <i>Evolution; International Journal of Organic Evolution</i> , 1980, 34, 973.	1.1	25
153	Birds of a Feather do not Always Lek Together: Genetic Diversity and Kinship Structure of Greater Sage-Grouse (<i>Centrocercus urophasianus</i>) in Alberta. <i>Auk</i> , 2010, 127, 343-353.	0.7	25
154	Space-use, movement and dispersal of sub-adult cougars in a geographically isolated population. <i>PeerJ</i> , 2015, 3, e11118.	0.9	25
155	Factors Affecting Red Deer (<i>Cervus elaphus</i>) Population Density in Southeastern Poland. <i>Journal of Applied Ecology</i> , 1984, 21, 881.	1.9	24
156	Negative Binomial Models for Abundance Estimation of Multiple Closed Populations. <i>Journal of Wildlife Management</i> , 2001, 65, 498.	0.7	24
157	Dynamic complexities in a mutual interference host-parasitoid model. <i>Chaos, Solitons and Fractals</i> , 2005, 24, 175-182.	2.5	24
158	Preface. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2010, 365, 2155-2155.	1.8	24
159	Pronghorn resource selection and habitat fragmentation in North Dakota. <i>Journal of Wildlife Management</i> , 2017, 81, 154-162.	0.7	24
160	Dispersal Ecology Informs Design of Large-Scale Wildlife Corridors. <i>PLoS ONE</i> , 2016, 11, e0162989.	1.1	24
161	Scavenging Makes Cougars Susceptible to Snaring at Wolf Bait Stations. <i>Journal of Wildlife Management</i> , 2010, 74, 644-653.	0.7	23
162	The secret sex lives of sage-grouse: multiple paternity and intraspecific nest parasitism revealed through genetic analysis. <i>Behavioral Ecology</i> , 2013, 24, 29-38.	1.0	23

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163	Quantifying Tropical Wetlands Using Field Surveys, Spatial Statistics and Remote Sensing. <i>Wetlands</i> , 2014, 34, 565-574.	0.7	23
164	Predation landscapes influence migratory prey ecology and evolution. <i>Trends in Ecology and Evolution</i> , 2021, 36, 737-749.	4.2	23
165	Fluctuating Environments and Clutch Size Evolution in Great Tits. <i>American Naturalist</i> , 1993, 141, 507-516.	1.0	22
166	West Nile virus and sage-grouse: What more have we learned?. <i>Wildlife Society Bulletin</i> , 2005, 33, 616-623.	1.6	22
167	Spatial relationships of sympatric wolves (<i>Canis lupus</i>) and coyotes (<i>C. latrans</i>) with woodland caribou (<i>Rangifer tarandus caribou</i>) during the calving season in a human-modified boreal landscape. <i>Wildlife Research</i> , 2013, 40, 250.	0.7	22
168	Predicting multiple behaviors from GPS radiocollar cluster data. <i>Behavioral Ecology</i> , 2015, 26, 452-464.	1.0	22
169	Response of barren-ground caribou to advancing spring phenology. <i>Oecologia</i> , 2020, 192, 837-852.	0.9	21
170	Cougar population status and range expansion in Alberta during 1991â€“2010. <i>Wildlife Society Bulletin</i> , 2014, 38, 116-121.	1.6	20
171	Habitat selection of a re-colonized cougar population in response to seasonal fluctuations of human activity. <i>Journal of Wildlife Management</i> , 2014, 78, 1394-1403.	0.7	20
172	Distribution of female wolverines relative to snow cover, Alberta, Canada. <i>Journal of Wildlife Management</i> , 2016, 80, 1461-1470.	0.7	20
173	Adaptive multi-paddock grazing improves water infiltration in Canadian grassland soils. <i>Geoderma</i> , 2021, 401, 115314.	2.3	20
174	Comments on the Use of Time-Specific and Cohort Life Tables. <i>Ecology</i> , 1993, 74, 2164-2168.	1.5	19
175	Spatial and Temporal Patterns of Wolf Harvest on Registered Traplines in Alberta, Canada. <i>Journal of Wildlife Management</i> , 2010, 74, 635-643.	0.7	19
176	Predicting mule deer recruitment from climate oscillations for harvest management on the northern Great Plains. <i>Journal of Wildlife Management</i> , 2015, 79, 1226-1238.	0.7	19
177	Habitat Selection by Prairie Dogs in a Disturbed Landscape at the Edge of Their Geographic Range. <i>Journal of Wildlife Management</i> , 2010, 74, 945-953.	0.7	18
178	Defining Landscapes and Scales to Model Landscapeâ€“Organism Interactions. <i>Current Landscape Ecology Reports</i> , 2017, 2, 89-95.	1.1	18
179	Distribution of Population Declines in Large Mammals. <i>Conservation Biology</i> , 1999, 13, 199-201.	2.4	17
180	Habitat and Habitat Selection: Theory, Tests, and Implications. <i>Israel Journal of Ecology and Evolution</i> , 2008, 54, 287-294.	0.2	17

#	ARTICLE	IF	CITATIONS
181	Predator-prey coupling: interaction between mink (<i>Mustela vison</i>) and muskrat (<i>Ondatra zibethicus</i>) across Canada. <i>Oikos</i> , 2009, 118, 440-448.	1.2	17
182	Coexistence with Large Carnivores Supported by a Predator-Compensation Program. <i>Environmental Management</i> , 2018, 61, 719-731.	1.2	17
183	Lek behaviour in captive sage grouse <i>Centrocercus urophasianus</i> . <i>Animal Behaviour</i> , 1994, 47, 303-310.	0.8	16
184	Whooping crane recruitment enhanced by egg removal. <i>Biological Conservation</i> , 2005, 126, 395-401.	1.9	16
185	Soil greenhouse gas emissions and grazing management in northern temperate grasslands. <i>Science of the Total Environment</i> , 2021, 796, 148975.	3.9	16
186	Edge-Related Nest Losses in Wisconsin Pine Barrens. <i>Journal of Wildlife Management</i> , 1997, 61, 1234.	0.7	15
187	Focusing Ecological Research for Conservation. <i>Ambio</i> , 2013, 42, 805-815.	2.8	15
188	Varied tastes: home range implications of foraging patch selection. <i>Oikos</i> , 2016, 125, 39-49.	1.2	15
189	Adaptive Multi-Paddock Grazing Lowers Soil Greenhouse Gas Emission Potential by Altering Extracellular Enzyme Activity. <i>Agronomy</i> , 2020, 10, 1781.	1.3	15
190	Comparative Pasture Management on Canadian Cattle Ranches With and Without Adaptive Multipaddock Grazing. <i>Rangeland Ecology and Management</i> , 2021, 78, 5-14.	1.1	15
191	Dynamic complexities in a mutual interference host-parasitoid model. <i>Chaos, Solitons and Fractals</i> , 2005, 24, 175-182.	2.5	15
192	Geographic variation in population cycles of Canadian muskrats (<i>Ondatra zibethicus</i>). <i>Canadian Journal of Zoology</i> , 2000, 78, 1009-1016.	0.4	15
193	Bet-hedging applications for conservation. <i>Journal of Biosciences</i> , 2002, 27, 385-392.	0.5	14
194	Influence of landscape composition on sharp-tailed grouse lek location and attendance in Wisconsin pine barrens. <i>Ecoscience</i> , 2004, 11, 209-217.	0.6	14
195	Oil sardine (<i>Sardinella longiceps</i>) off the Malabar Coast: density dependence and environmental effects. <i>Fisheries Oceanography</i> , 2009, 18, 359-370.	0.9	14
196	What attracts elk onto cattle pasture? Implications for inter-species disease transmission. <i>Preventive Veterinary Medicine</i> , 2014, 117, 326-339.	0.7	14
197	Wildlife habitat selection on landscapes with industrial disturbance. <i>Environmental Conservation</i> , 2016, 43, 327-336.	0.7	14
198	Using Resource Selection Functions to Improve Estimation of Elk Population Numbers. <i>Journal of Wildlife Management</i> , 2008, 72, 1798-1804.	0.7	13

#	ARTICLE	IF	CITATIONS
199	Selection of lake habitats by waterbirds in the boreal transition zone of northeastern Alberta. Canadian Journal of Zoology, 2008, 86, 277-285.	0.4	13
200	Moose survey app for population monitoring. Wildlife Society Bulletin, 2017, 41, 125-128.	1.6	13
201	Temporal patterns of wolverine (<i>Gulo gulo luscus</i>) foraging in the boreal forest. Journal of Mammalogy, 2018, 99, 693-701.	0.6	13
202	Prioritization of landscape connectivity for the conservation of Peary caribou. Ecology and Evolution, 2019, 9, 2189-2205.	0.8	13
203	Comparison of Grizzly Bear <i>Ursus arctos</i> Demographics in Wilderness Mountains Versus a Plateau with Resource Development. Wildlife Biology, 2009, 15, 247-265.	0.6	12
204	Mink Prey Diversity Correlates with Mink "muskrat Dynamics. Journal of Mammalogy, 2009, 90, 897-905.	0.6	12
205	The smell of success: Reproductive success related to rub behavior in brown bears. PLoS ONE, 2021, 16, e0247964.	1.1	12
206	Marten Fur Harvests and Landscape Change in West-Central Alberta. Journal of Wildlife Management, 2009, 73, 894-903.	0.7	11
207	Special section: Controversies in mountain sheep management. Journal of Wildlife Management, 2018, 82, 5-7.	0.7	11
208	Population density of sitatunga in riverine wetland habitats. Global Ecology and Conservation, 2020, 24, e01212.	1.0	11
209	Mad cow policy and management of grizzly bear incidents. Wildlife Society Bulletin, 2012, 36, 499-505.	1.6	10
210	Predictive modelling of ecological patterns along linear feature networks. Methods in Ecology and Evolution, 2017, 8, 329-338.	2.2	10
211	RAMAS/GIS: Linking Landscape Data with Population Viability Analysis. H. Resit Akcakaya. Quarterly Review of Biology, 1996, 71, 167-168.	0.0	10
212	Conservation Reserve Program is a key element for managing white-tailed deer populations at multiple spatial scales. Journal of Environmental Management, 2019, 248, 109299.	3.8	9
213	Maternal investment in mammals. Nature, 1986, 321, 537-538.	13.7	8
214	Trapper Attitudes and Industrial Development on Registered Traplines in West-Central Alberta. Human Dimensions of Wildlife, 2008, 13, 115-126.	1.0	8
215	Scavenging of an Elk, <i>Cervus elaphus</i> , Carcass by Multiple Cougars, <i>Puma concolor</i> , in Southeastern Alberta. Canadian Field-Naturalist, 2010, 124, 242.	0.0	8
216	Artelle et al. (2018) miss the science underlying North American wildlife management. Science Advances, 2018, 4, eaat8281.	4.7	8

#	ARTICLE	IF	CITATIONS
217	A Simultaneous Test of Synchrony Causal Factors in Muskrat and Mink Fur Returns at Different Scales across Canada. <i>PLoS ONE</i> , 2011, 6, e27766.	1.1	7
218	Mine reclamation enhances habitats for wild ungulates in west-central Alberta. <i>Restoration Ecology</i> , 2020, 28, 828-840.	1.4	7
219	The Importance of Environmental Variability and Transient Population Dynamics for a Northern Ungulate. <i>Frontiers in Ecology and Evolution</i> , 2020, 8, .	1.1	7
220	American Black Bear (<i>Ursus americanus</i>)., 2020, , 122-138.		7
221	Reply from M.S. Boyce, L.L. McDonald and B.F.J. Manly. <i>Trends in Ecology and Evolution</i> , 1999, 14, 490.	4.2	6
222	Statistics as viewed by biologists. <i>Journal of Agricultural, Biological, and Environmental Statistics</i> , 2002, 7, 306-312.	0.7	6
223	Evaluating expert-based habitat suitability information of terrestrial mammals with GPS-tracking data. <i>Global Ecology and Biogeography</i> , 2022, 31, 1526-1541.	2.7	6
224	Wolf Recovery for Yellowstone National Park: A Simulation Model. , 1992, , 123-138.		5
225	Forecasting spatially structured populations: the role of dispersal and scale. <i>Journal of Theoretical Biology</i> , 2005, 233, 177-189.	0.8	5
226	Using Latent Selection Difference to Model Persistence in a Declining Population. <i>PLoS ONE</i> , 2014, 9, e98126.	1.1	5
227	Habitat associations with counts of declining Western Grebes in Alberta, Canada. <i>Avian Conservation and Ecology</i> , 2017, 12, .	0.3	4
228	Integrating livestock management and telemetry data to assess disease transmission risk between wildlife and livestock. <i>Preventive Veterinary Medicine</i> , 2020, 174, 104846.	0.7	4
229	Trappings of Success: Predator Removal for Duck Nest Survival in Alberta Parklands. <i>Diversity</i> , 2020, 12, 119.	0.7	4
230	Deviance from truth: Telemetry location errors erode both precision and accuracy of habitat-selection models. <i>Wildlife Society Bulletin</i> , 2013, 37, n/a-n/a.	1.6	3
231	Resource Selection by Animals: Statistical Design and Analysis for Field Studies, BY BRYAN F. J. MANLY, LYMAN L. MCDONALD, DANA L. THOMAS, TRENT L. MCDONALD AND WALLACE P. ERICKSON, xiii + 219 pp., 24 figs, 55 tables, 24x16x2 cm, Second Edition, ISBN 1 4020 0677 2 hardcover, GB£ 53.50 /US\$ 78.00p.7 Dordrecht, the Netherlands: Kluwer Academic Publishers, 2002. <i>Environmental Conservation</i> , 2004, 31, 85-86.		2
232	Cougar roadside habitat selection: Incorporating topography and traffic. <i>Global Ecology and Conservation</i> , 2020, 23, e01186.	1.0	2
233	Aligning population models with data: Adaptive management for big game harvests. <i>Global Ecology and Conservation</i> , 2021, 26, e01501.	1.0	2
234	Pleistocene Extinctions. <i>Science</i> , 1976, 191, 102-102.	6.0	1

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235	“Silver Sagebrush Community Associations in Southeastern Alberta, Canada.” <i>Rangeland Ecology & Management</i> 58:400-405. <i>Rangeland Ecology and Management</i> , 2006, 59, 107-108.	1.1	1
236	Mountain sheep management must use representative data: A reply to Festa-Bianchet (2019). <i>Journal of Wildlife Management</i> , 2019, 83, 9-11.	0.7	1
237	Beaver (<i>Castor canadensis</i>) use of borrow pits in an industrial landscape in northwestern Alberta. <i>Journal of Environmental Management</i> , 2020, 269, 110800.	3.8	1
238	Land-use planning following resource extraction “ lessons from grizzly bears at reclaimed and active open pit mines. , 2011, , .		1
239	Monitoring sitatunga (<i>Tragelaphus spekii</i>) populations using camera traps. <i>African Journal of Ecology</i> , 2022, 60, 377-385.	0.4	1
240	Limited impacts of adaptive multi-paddock grazing systems on plant diversity in the Northern Great Plains. <i>Journal of Applied Ecology</i> , 2022, 59, 1734-1744.	1.9	1
241	Growth rings in dinosaur teeth. <i>Nature</i> , 1980, 288, 193-194.	13.7	0
242	Growth rings in dinosaur teeth. <i>Nature</i> , 1980, 288, 194-194.	13.7	0
243	Human infants redux. <i>Human Evolution</i> , 1987, 2, 475-476.	2.0	0
244	Icy insights from emperor penguins. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 1691-1692.	3.3	0
245	Presence-only data, pseudo-absences, and other lies about habitat selection. <i>Ideas in Ecology and Evolution</i> , 2010, , .	0.1	0
246	Pleistocene Extinctions. <i>Science</i> , 1976, 191, 102-102.	6.0	0