

Jerod A Merkle

List of Publications by Year in descending order

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Version: 2024-02-01

58
papers

2,461
citations

257429

24
h-index

223791

46
g-index

62
all docs

62
docs citations

62
times ranked

2242
citing authors

#	ARTICLE	IF	CITATIONS
1	Is ungulate migration culturally transmitted? Evidence of social learning from translocated animals. <i>Science</i> , 2018, 361, 1023-1025.	12.6	254
2	Large herbivores surf waves of green-up during spring. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2016, 283, 20160456.	2.6	225
3	The greenscape shapes surfing of resource waves in a large migratory herbivore. <i>Ecology Letters</i> , 2017, 20, 741-750.	6.4	168
4	A memory-based foraging tactic reveals an adaptive mechanism for restricted space use. <i>Ecology Letters</i> , 2014, 17, 924-931.	6.4	143
5	Food availability and foraging near human developments by black bears. <i>Journal of Mammalogy</i> , 2013, 94, 378-385.	1.3	112
6	Green-wave surfing increases fat gain in a migratory ungulate. <i>Oikos</i> , 2018, 127, 1060-1068.	2.7	85
7	Emerging Perspectives on Resource Tracking and Animal Movement Ecology. <i>Trends in Ecology and Evolution</i> , 2021, 36, 308-320.	8.7	85
8	Interference competition between gray wolves and coyotes in Yellowstone National Park. <i>Canadian Journal of Zoology</i> , 2009, 87, 56-63.	1.0	79
9	Migrating bison engineer the green wave. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 25707-25713.	7.1	74
10	Spatial memory shapes migration and its benefits: evidence from a large herbivore. <i>Ecology Letters</i> , 2019, 22, 1797-1805.	6.4	68
11	Migratory plasticity is not ubiquitous among large herbivores. <i>Journal of Animal Ecology</i> , 2019, 88, 450-460.	2.8	64
12	Determinants of elephant foraging behaviour in a coupled human-natural system: Is brown the new green?. <i>Journal of Animal Ecology</i> , 2019, 88, 780-792.	2.8	61
13	Mapping out a future for ungulate migrations. <i>Science</i> , 2021, 372, 566-569.	12.6	61
14	Wave-like Patterns of Plant Phenology Determine Ungulate Movement Tactics. <i>Current Biology</i> , 2020, 30, 3444-3449.e4.	3.9	52
15	Adjustments in habitat selection to changing availability induce fitness costs for a threatened ungulate. <i>Journal of Applied Ecology</i> , 2015, 52, 496-504.	4.0	50
16	To follow or not? How animals in fusion-fission societies handle conflicting information during group decision-making. <i>Ecology Letters</i> , 2015, 18, 799-806.	6.4	50
17	Collective decision-making promotes fitness loss in a fusion-fission society. <i>Ecology Letters</i> , 2017, 20, 33-40.	6.4	50
18	Bison distribution under conflicting foraging strategies: site fidelity vs. energy maximization. <i>Ecology</i> , 2015, 96, 1793-1801.	3.2	47

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19	Plasticity in elk migration timing is a response to changing environmental conditions. <i>Global Change Biology</i> , 2019, 25, 2368-2381.	9.5	47
20	Drivers of site fidelity in ungulates. <i>Journal of Animal Ecology</i> , 2021, 90, 955-966.	2.8	44
21	Conserving transboundary wildlife migrations: recent insights from the Greater Yellowstone Ecosystem. <i>Frontiers in Ecology and the Environment</i> , 2020, 18, 83-91.	4.0	42
22	Predicting spatial distribution of human–black bear interactions in urban areas. <i>Journal of Wildlife Management</i> , 2011, 75, 1121-1127.	1.8	39
23	Energy benefits and emergent space use patterns of an empirically parameterized model of memory-based patch selection. <i>Oikos</i> , 2017, 126, .	2.7	38
24	Drought reshuffles plant phenology and reduces the foraging benefit of green–wave surfing for a migratory ungulate. <i>Global Change Biology</i> , 2020, 26, 4215-4225.	9.5	34
25	An experimental test of community-based strategies for mitigating human–wildlife conflict around protected areas. <i>Conservation Letters</i> , 2020, 13, e12679.	5.7	30
26	Site fidelity as a maladaptive behavior in the Anthropocene. <i>Frontiers in Ecology and the Environment</i> , 2022, 20, 187-194.	4.0	30
27	Linking spring phenology with mechanistic models of host movement to predict disease transmission risk. <i>Journal of Applied Ecology</i> , 2018, 55, 810-819.	4.0	29
28	Dietary niche partitioning among black bears, grizzly bears, and wolves in a multiprey ecosystem. <i>Canadian Journal of Zoology</i> , 2017, 95, 663-671.	1.0	28
29	Learning and Animal Movement. <i>Frontiers in Ecology and Evolution</i> , 2021, 9, .	2.2	28
30	Migratory Disturbance Thresholds with Mule Deer and Energy Development. <i>Journal of Wildlife Management</i> , 2020, 84, 930-937.	1.8	26
31	Temperature shapes movement and habitat selection by a heat-sensitive ungulate. <i>Landscape Ecology</i> , 2020, 35, 1961-1973.	4.2	25
32	Experimentally Derived $\delta^{13}C$ and $\delta^{15}N$ Discrimination Factors for Gray Wolves and the Impact of Prior Information in Bayesian Mixing Models. <i>PLoS ONE</i> , 2015, 10, e0119940.	2.5	24
33	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
34	Modeling elk–livestock transmission risk to predict hotspots of brucellosis spillover. <i>Journal of Wildlife Management</i> , 2019, 83, 817-829.	1.8	19
35	Body size and digestive system shape resource selection by ungulates: A cross-taxa test of the forage maturation hypothesis. <i>Ecology Letters</i> , 2021, 24, 2178-2191.	6.4	19
36	Temporal dynamics in the foraging decisions of large herbivores. <i>Animal Production Science</i> , 2015, 55, 376.	1.3	18

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37	Antipredator response diminishes during periods of resource deficit for a large herbivore. <i>Ecology</i> , 2019, 100, e02618.	3.2	18
38	Multi-scale habitat selection of elk in response to beetle-killed forest. <i>Journal of Wildlife Management</i> , 2019, 83, 679-693.	1.8	16
39	Examining speed versus selection in connectivity models using elk migration as an example. <i>Landscape Ecology</i> , 2018, 33, 955-968.	4.2	15
40	Behavioral and attitudinal change of residents exposed to human-bear interactions. <i>Ursus</i> , 2011, 22, 74-83.	0.5	13
41	Managing Genetic Diversity and Extinction Risk for a Rare Plains Bison (<i>Bison bison bison</i>) Population. <i>Environmental Management</i> , 2019, 64, 553-563.	2.7	12
42	Comparative Quality and Trend of Remotely Sensed Phenology and Productivity Metrics across the Western United States. <i>Remote Sensing</i> , 2020, 12, 2538.	4.0	12
43	Nowhere to run: semi-permeable barriers affect pronghorn space use. <i>Journal of Wildlife Management</i> , 2022, 86, .	1.8	12
44	Behavioral adaptations of a large carnivore to human activity in an extremely arid landscape. <i>Animal Conservation</i> , 2018, 21, 433-443.	2.9	11
45	Continuous time resource selection analysis for moving animals. <i>Methods in Ecology and Evolution</i> , 2019, 10, 1664-1678.	5.2	11
46	Summer Diet of the Mexican Gray Wolf (<i>Canis lupus baileyi</i>). <i>Southwestern Naturalist</i> , 2009, 54, 480-485.	0.1	9
47	Vegetation responses to sagebrush-reduction treatments measured by satellites. <i>Ecological Indicators</i> , 2018, 87, 66-76.	6.3	9
48	Elk migration influences the risk of disease spillover in the Greater Yellowstone Ecosystem. <i>Journal of Animal Ecology</i> , 2021, 90, 1264-1275.	2.8	8
49	Likelihood-based photograph identification: Application with photographs of free-ranging bison. <i>Wildlife Society Bulletin</i> , 2014, 38, 196-204.	1.6	7
50	Bark Beetle-Affected Forests Provide Elk Only a Marginal Refuge from Hunters. <i>Journal of Wildlife Management</i> , 2020, 84, 413-424.	1.8	7
51	Responses to natural gas development differ by season for two migratory ungulates. <i>Ecological Applications</i> , 2022, 32, e2652.	3.8	7
52	Responses of American black bears to spring resources. <i>Ecosphere</i> , 2021, 12, e03773.	2.2	5
53	Parsing the effects of demography, climate and management on recurrent brucellosis outbreaks in elk. <i>Journal of Applied Ecology</i> , 2020, 57, 379-389.	4.0	4
54	Chronic wasting disease undermines efforts to control the spread of brucellosis in the Greater Yellowstone Ecosystem. <i>Ecological Applications</i> , 2020, 30, e02129.	3.8	4

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55	Detecting Resource Limitation in a Large Herbivore Population Is Enhanced With Measures of Nutritional Condition. <i>Frontiers in Ecology and Evolution</i> , 2021, 8, .	2.2	4
56	Reply to Craine: Bison redefine what it means to move to find food. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 9171-9172.	7.1	2
57	Getting cited early: influence of visibility strategies, structure, and focal system on early citation rates. <i>Journal of Wildlife Management</i> , 2022, 86, .	1.8	1
58	Natural Gas Development and Migratory Ungulates on Western Rangelands. <i>Bulletin of the Ecological Society of America</i> , 2022, 103, .	0.2	0