Janet L Rachlow

List of Publications by Year
in descending order

76 papers	2,233 citations	218677 26 h-index	265206 42 g-index
77 all docs	77 docs citations	77 times ranked	2541 citing authors

#	Article	IF	Citations
1	Effects of habitat on GPS collar performance: using data screening to reduce location error. Journal of Applied Ecology, 2007, 44, 663-671.	4.0	264
2	Habitat selection by Dall's sheep (Ovis dalli): maternal trade-offs. Journal of Zoology, 1998, 245, 457-465.	1.7	115
3	Identifying habitat characteristics to predict highway crossing areas for black bears within a human-modified landscape. Landscape and Urban Planning, 2011, 101, 99-107.	7.5	114
4	Patterns of Genetic Diversity and Its Loss in Mammalian Populations. Conservation Biology, 2005, 19, 1215-1221.	4.7	111
5	When to Run and When to Hide: The Influence of Concealment, Visibility, and Proximity to Refugia on Perceptions of Risk. Ethology, 2012, 118, 1010-1017.	1.1	70
6	A synoptic model of animal space use: Simultaneous estimation of home range, habitat selection, and inter/intra-specific relationships. Ecological Modelling, 2008, 214, 338-348.	2.5	55
7	Activity Patterns of Black Bears in Relation to Sex, Season, and Daily Movement Rates. Western North American Naturalist, 2011, 71, 388-395.	0.4	51
8	Effects of body size on estimation of mammalian area requirements. Conservation Biology, 2020, 34, 1017-1028.	4.7	51
9	Effects of Season and Scale on Response of Elk and Mule Deer to Habitat Manipulation. Journal of Wildlife Management, 2008, 72, 1133-1142.	1.8	48
10	Plant protein and secondary metabolites influence diet selection in a mammalian specialist herbivore. Journal of Mammalogy, 2014, 95, 834-842.	1.3	47
11	Reintroduction and Genetic Structure: Rocky Mountain Elk in Yellowstone and the Western States. Journal of Mammalogy, 2007, 88, 129-138.	1.3	46
12	Natal Dispersal By Pygmy Rabbits (Brachylagus idahoensis). Journal of Mammalogy, 2009, 90, 363-372.	1.3	44
13	A Comparison of Two Modeling Approaches for Evaluating Wildlife–Habitat Relationships. Journal of Wildlife Management, 2009, 73, 294-302.	1.8	43
14	Habitat structure modifies microclimate: An approach for mapping fine–scale thermal refuge. Methods in Ecology and Evolution, 2018, 9, 1648-1657.	5.2	42
15	Evolution of ungulate mating systems: Integrating social and environmental factors. Ecology and Evolution, 2020, 10, 5160-5178.	1.9	41
16	Sex-Specific Responses of North American Elk to Habitat Manipulation. Journal of Mammalogy, 2009, 90, 423-432.	1.3	40
17	Fearscapes: Mapping Functional Properties of Cover for Prey with Terrestrial LiDAR. BioScience, 2015, 65, 74-80.	4.9	39
18	Conservation of the world's mammals: status, protected areas, community efforts, and hunting. Journal of Mammalogy, 2019, 100, 923-941.	1.3	38

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19	Evaluating DNA degradation rates in faecal pellets of the endangered pygmy rabbit. Molecular Ecology Resources, 2013, 13, 654-662.	4.8	37
20	Spatio‑Temporal Factors Shaping Diurnal Space Use by Pygmy Rabbits. Journal of Wildlife Management, 2008, 72, 1304-1310.	1.8	35
21	Dispersal, gene flow, and population genetic structure in the pygmy rabbit (<i>Brachylagus) Tj ETQq1 1 0.784314 rgBT /Overlock 10	1.3	33
22	Spatial interactions between sympatric carnivores: asymmetric avoidance of an intraguild predator. Ecology and Evolution, 2015, 5, 2762-2773.	1.9	32
23	Genetic diversity and population divergence in fragmented habitats: Conservation of Idaho ground squirrels. Conservation Genetics, 2005, 6, 759-774.	1.5	31
24	Fuels Reduction in a Western Coniferous Forest: Effects on Quantity and Quality of Forage for Elk. Rangeland Ecology and Management, 2008, 61, 302-313.	2.3	31
25	Unmanned aerial systems measure structural habitat features for wildlife across multiple scales. Methods in Ecology and Evolution, 2018, 9, 594-604.	5.2	29
26	Seasonal variation in behavioral thermoregulation and predator avoidance in a small mammal. Behavioral Ecology, 2017, 28, 1236-1247.	2.2	28
27	The Science-Policy Interface: What Is an Appropriate Role for Professional Societies. BioScience, 2008, 58, 865-869.	4.9	27
28	Both forest composition and configuration influence landscape-scale habitat selection by fishers (Pekania pennanti) in mixed coniferous forests of the Northern Rocky Mountains. Forest Ecology and Management, 2014, 314, 75-84.	3.2	27
29	Cumulative effects of an herbivorous ecosystem engineer in a heterogeneous landscape. Ecosphere, 2016, 7, e01334.	2.2	26
30	Conservation Implications of Patterns of Horn Regeneration in Dehorned White Rhinos. Implicaciones Conservacionsitas de los Patrones de Regeneracion de Cuernos en Rinocerontes Descornados. Conservation Biology, 1997, 11, 84-91.	4.7	25
31	Reproduction and population density: trade-offs for the conservation of rhinos in situ. Animal Conservation, 1998, 1, 101-106.	2.9	24
32	Linking forest management to moose population trends: The role of the nutritional landscape. PLoS ONE, 2019, 14, e0219128.	2.5	24
33	<scp>viewshed3d</scp>: An <scp>r</scp> package for quantifying 3D visibility using terrestrial lidar data. Methods in Ecology and Evolution, 2020, 11, 733-738.	5.2	23
34	Territoriality and spatial patterns of white rhinoceros in Matobo National Park, Zimbabwe. African Journal of Ecology, 1999, 37, 295-304.	0.9	22
35	Survey Indicators for Pygmy Rabbits: Temporal Trends of Burrow Systems and Pellets. Western North American Naturalist, 2009, 69, 426-436.	0.4	22
36	Habitat selection differs across hierarchical behaviors: selection of patches and intensity of patch use. Ecosphere, 2017, 8, e01993.	2.2	22

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37	Seasonal temperature acclimatization in a semi-fossorial mammal and the role of burrows as thermal refuges. PeerJ, 2018, 6, e4511.	2.0	22
38	PRIORITIZING HABITAT FOR SURVEYS OF AN UNCOMMON MAMMAL: A MODELING APPROACH APPLIED TO PYGMY RABBITS. Journal of Mammalogy, 2006, 87, 827-833.	1.3	21
39	Survival of Juvenile Pygmy Rabbits. Journal of Wildlife Management, 2010, 74, 43-47.	1.8	20
40	Refocusing the Debate about Advocacy. Conservation Biology, 2011, 25, 1-3.	4.7	20
41	Occupancy and abundance of predator and prey: implications of the fire–cheatgrass cycle in sagebrush ecosystems. Ecosphere, 2016, 7, e01307.	2.2	20
42	Selection of food patches by sympatric herbivores in response to concealment and distance from a refuge. Ecology and Evolution, 2016, 6, 2865-2876.	1.9	20
43	Evaluation of micro-GPS receivers for tracking small-bodied mammals. PLoS ONE, 2017, 12, e0173185.	2.5	20
44	Habitat specialists as conservation umbrellas: Do areas managed for greater sage–grouse also protect pygmy rabbits?. Ecosphere, 2019, 10, e02827.	2.2	20
45	Genetic monitoring of an endangered species recovery: demographic and genetic trends for reintroduced pygmy rabbits (Brachylagus idahoensis). Journal of Mammalogy, 2017, 98, 350-364.	1.3	19
46	Rapid species identification of pygmy rabbits *(Brachylagus idahoensis)* from faecal pellet DNA. Molecular Ecology Resources, 2011, 11, 808-812.	4.8	18
47	Reproduction by Black-Tailed Prairie Dogs and Black-Footed Ferrets: Effects of Weather and Food Availability. Western North American Naturalist, 2016, 76, 405-416.	0.4	18
48	Forest heterogeneity influences habitat selection by fishers (Pekania pennanti) within home ranges. Forest Ecology and Management, 2015, 347, 49-56.	3.2	17
49	Vocalizations by Alaskan moose: female incitation of male aggression. Behavioral Ecology and Sociobiology, 2011, 65, 2251-2260.	1.4	16
50	Development of an index of abundance for pygmy rabbit populations. Journal of Wildlife Management, 2011, 75, 929-937.	1.8	15
51	Modeling trade–offs between plant fiber and toxins: a framework for quantifying risks perceived by foraging herbivores. Ecology, 2015, 96, 3292-3302.	3.2	15
52	Interacting effects of ambient temperature and food quality on the foraging ecology of small mammalian herbivores. Journal of Thermal Biology, 2018, 71, 83-90.	2.5	15
53	EVALUATION OF RADIO-TRANSMITTERS ON JUVENILE RABBITS: APPLICATION TO THE SEMIFOSSORIAL PYGMY RABBIT (BRACHYLAGUS IDAHOENSIS). Western North American Naturalist, 2007, 67, 133-136.	0.4	14
54	The Brownian bridge synoptic model of habitat selection and space use for animals using GPS telemetry data. Ecological Modelling, 2014, 273, 242-250.	2.5	13

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55	Sub‒ethal effects of capture and collaring on wildlife: Experimental and field evidence. Wildlife Society Bulletin, 2014, 38, 458-465.	1.6	12
56	Mapping foodscapes and sagebrush morphotypes with unmanned aerial systems for multiple herbivores. Landscape Ecology, 2020, 35, 921-936.	4.2	12
57	PERMANENT GENETIC RESOURCES: Ten polymorphic microsatellite markers for the pygmy rabbit (<i>Brachylagus idahoensis</i>). Molecular Ecology Resources, 2008, 8, 360-362.	4.8	11
58	Influence of topography and canopy cover on argos satellite telemetry performance. Wildlife Society Bulletin, 2012, 36, 813-819.	1.6	10
59	Conflation of Values and Science: Response to Noss et al.. Conservation Biology, 2012, 26, 943-944.	4.7	10
60	Managing High-Elevation Sagebrush Steppe: Do Conifer Encroachment and Prescribed Fire Affect Habitat for Pygmy Rabbits?. Rangeland Ecology and Management, 2013, 66, 462-471.	2.3	9
61	Understanding tradeoffs between food and predation risks in a specialist mammalian herbivore. Wildlife Biology, 2016, 22, 167-173.	1.4	9
62	Transition of Vegetation States Positively Affects Harvester Ants in the Great Basin, United States. Rangeland Ecology and Management, 2016, 69, 449-456.	2.3	9
63	Preferences of Specialist and Generalist Mammalian Herbivores for Mixtures Versus Individual Plant Secondary Metabolites. Journal of Chemical Ecology, 2019, 45, 74-85.	1.8	9
64	Grazing in sagebrush rangelands in western North America: implications for habitat quality for a sagebrush specialist, the pygmy rabbit. Rangeland Journal, 2014, 36, 151.	0.9	8
65	ABNORMAL ANTLERS AND PEDICLES ON ROCKY MOUNTAIN ELK IN NORTHERN ARIZONA. Southwestern Naturalist, 2003, 48, 147-153.	0.1	7
66	Overlap Between Sagebrush Habitat Specialists Differs Among Seasons: Implications for Umbrella Species Conservation. Rangeland Ecology and Management, 2021, 78, 142-154.	2.3	7
67	Comparing telemetry and fecal dna sampling methods to quantify survival and dispersal of juvenile pygmy rabbits. Wildlife Society Bulletin, 2015, 39, 413-421.	1.6	6
68	Leveraging rangeland monitoring data for wildlife: From concept to practice. Rangelands, 2022, 44, 87-98.	1.9	6
69	Mapping vegetation communities across home ranges of mountain goats in the <scp>N</scp>orth <scp>C</scp>ascades for conservation and management. Applied Vegetation Science, 2012, 15, 560-570.	1.9	5
70	Uncertainty in Population Estimates for Endangered Animals and Improving the Recovery Process. Animals, 2013, 3, 745-753.	2.3	5
71	Habitat selection by Dall€™s sheep is influenced by multiple factors including direct and indirect climate effects. PLoS ONE, 2021, 16, e0248763.	2.5	5
72	Food quality, security, and thermal refuge influence the use of microsites and patches by pygmy rabbits (<i>Brachylagus idahoensis</i>) across landscapes and seasons. Ecology and Evolution, 2022, 12, .	1.9	5

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73	Sampling animal sign in heterogeneous environments: How much is enough?. Journal of Arid Environments, 2015, 119, 51-55.	2.4	4
74	First Record of Multiple Paternity in the Pygmy Rabbit (<i>Brachylagus idahoensis</i>): Evidence from Analysis of 16 Microsatellite Loci. Western North American Naturalist, 2011, 71, 271-275.	0.4	2
75	Nearâ€‘infrared spectroscopy aids ecological restoration by classifying variation of taxonomy and phenology of a native shrub. Restoration Ecology, 0, , e13584.	2.9	2
76	Genetic Evidence Confirms the Presence of Pygmy Rabbits in Colorado. Journal of Fish and Wildlife Management, 2014, 5, 118-123.	0.9	0