

Fanie Pelletier

List of Publications by Year in descending order

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Version: 2024-02-01

138
papers

4,622
citations

87888

38
h-index

123424

61
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143
all docs

143
docs citations

143
times ranked

5182
citing authors

#	ARTICLE	IF	CITATIONS
1	EARLY ONSET OF VEGETATION GROWTH VS. RAPID GREEN-UP: IMPACTS ON JUVENILE MOUNTAIN UNGULATES. <i>Ecology</i> , 2007, 88, 381-390.	3.2	248
2	The Evolutionary Demography of Ecological Change: Linking Trait Variation and Population Growth. <i>Science</i> , 2007, 315, 1571-1574.	12.6	196
3	Stochastic predation events and population persistence in bighorn sheep. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2006, 273, 1537-1543.	2.6	149
4	Matrix models for a changeable world: the importance of transient dynamics in population management. <i>Journal of Applied Ecology</i> , 2010, 47, 515-523.	4.0	132
5	Quantifying consistent individual differences in habitat selection. <i>Oecologia</i> , 2016, 180, 697-705.	2.0	131
6	Sexual selection and social rank in bighorn rams. <i>Animal Behaviour</i> , 2006, 71, 649-655.	1.9	128
7	Intense selective hunting leads to artificial evolution in horn size. <i>Evolutionary Applications</i> , 2016, 9, 521-530.	3.1	127
8	Evidence for evolution in response to natural selection in a contemporary human population. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 17040-17045.	7.1	116
9	Archiving Primary Data: Solutions for Long-Term Studies. <i>Trends in Ecology and Evolution</i> , 2015, 30, 581-589.	8.7	98
10	Personality differences are related to long-term stress reactivity in a population of wild eastern chipmunks, <i>Tamias striatus</i> . <i>Animal Behaviour</i> , 2012, 84, 1071-1079.	1.9	97
11	Don't poke the bear: using tracking data to quantify behavioural syndromes in elusive wildlife. <i>Animal Behaviour</i> , 2019, 147, 91-104.	1.9	90
12	Eco-evolutionary dynamics: disentangling phenotypic, environmental and population fluctuations. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2009, 364, 1491-1498.	4.0	86
13	SELECTION ON HERITABLE SEASONAL PHENOTYPIC PLASTICITY OF BODY MASS. <i>Evolution; International Journal of Organic Evolution</i> , 2007, 61, 1969-1979.	2.3	84
14	Determinants of lifetime reproduction in female brown bears: early body mass, longevity, and hunting regulations. <i>Ecology</i> , 2013, 94, 231-240.	3.2	79
15	Severe recent decrease of adult body mass in a declining insectivorous bird population. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2014, 281, 20140649.	2.6	78
16	The relative importance of direct and indirect effects of hunting mortality on the population dynamics of brown bears. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2015, 282, 20141840.	2.6	78
17	Evidence for a Genetic Basis of Aging in Two Wild Vertebrate Populations. <i>Current Biology</i> , 2007, 17, 2136-2142.	3.9	74
18	Will human influences on evolutionary dynamics in the wild pervade the Anthropocene?. <i>BMC Biology</i> , 2018, 16, 7.	3.8	73

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19	Individual quality: tautology or biological reality?. <i>Journal of Animal Ecology</i> , 2011, 80, 361-364.	2.8	69
20	Hunting regulation favors slow life histories in a large carnivore. <i>Nature Communications</i> , 2018, 9, 1100.	12.8	69
21	Keep in touch: Does spatial overlap correlate with contact rate frequency?. <i>Journal of Wildlife Management</i> , 2012, 76, 1670-1675.	1.8	66
22	Age-dependent relationship between horn growth and survival in wild sheep. <i>Journal of Animal Ecology</i> , 2009, 78, 161-171.	2.8	63
23	Foraging time of rutting bighorn rams varies with individual behavior, not mating tactic. <i>Behavioral Ecology</i> , 2005, 16, 280-285.	2.2	61
24	Fecal testosterone in bighorn sheep (<i>Ovis canadensis</i>): behavioural and endocrine correlates. <i>Canadian Journal of Zoology</i> , 2003, 81, 1678-1684.	1.0	60
25	Constructing and evaluating a continent-wide migratory songbird network across the annual cycle. <i>Ecological Monographs</i> , 2018, 88, 445-460.	5.4	58
26	Hunting promotes sexual conflict in brown bears. <i>Journal of Animal Ecology</i> , 2017, 86, 35-42.	2.8	56
27	Seasonal patterns in Tree Swallow prey (Diptera) abundance are affected by agricultural intensification. , 2013, 23, 122-133.		55
28	Evolutionary origins for ecological patterns in space. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 17482-17490.	7.1	55
29	Sociodemographic factors modulate the spatial response of brown bears to vacancies created by hunting. <i>Journal of Animal Ecology</i> , 2018, 87, 247-258.	2.8	54
30	Fecal counts of lungworm larvae and reproductive effort in bighorn sheep, <i>Ovis canadensis</i> . <i>Oikos</i> , 2005, 110, 473-480.	2.7	53
31	Decrease in horn size and increase in age of trophy sheep in Alberta over 37 years. <i>Journal of Wildlife Management</i> , 2014, 78, 133-141.	1.8	53
32	Value of captive populations for quantitative genetics research. <i>Trends in Ecology and Evolution</i> , 2009, 24, 263-270.	8.7	52
33	Effects of body mass, age, dominance and parasite load on foraging time of bighorn rams, <i>Ovis canadensis</i> . <i>Behavioral Ecology and Sociobiology</i> , 2004, 56, 546-551.	1.4	48
34	A range-wide domino effect and resetting of the annual cycle in a migratory songbird. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2019, 286, 20181916.	2.6	48
35	Male mating effort in a polygynous ungulate. <i>Behavioral Ecology and Sociobiology</i> , 2006, 60, 645-654.	1.4	47
36	Energy expenditure and personality in wild chipmunks. <i>Behavioral Ecology and Sociobiology</i> , 2015, 69, 653-661.	1.4	46

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37	Ecology of harvest-driven trait changes and implications for ecosystem management. <i>Frontiers in Ecology and the Environment</i> , 2018, 16, 20-28.	4.0	46
38	Long-term fitness consequences of early environment in a long-lived ungulate. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2017, 284, 20170222.	2.6	45
39	Long-term studies of bighorn sheep and mountain goats reveal fitness costs of reproduction. <i>Journal of Animal Ecology</i> , 2019, 88, 1118-1133.	2.8	45
40	Changes in horn size of Stone's sheep over four decades correlate with trophy hunting pressure. <i>Ecological Applications</i> , 2016, 26, 309-321.	3.8	44
41	Liquid chromatography-tandem mass spectrometry determination for multiclass pesticides from insect samples by microwave-assisted solvent extraction followed by a salt-out effect and micro-dispersion purification. <i>Analytica Chimica Acta</i> , 2015, 891, 160-170.	5.4	42
42	Successes and challenges of long-term field studies of marked ungulates. <i>Journal of Mammalogy</i> , 2017, 98, 612-620.	1.3	42
43	Predator-driven component Allee effects in a wild ungulate. <i>Ecology Letters</i> , 2011, 14, 358-363.	6.4	40
44	Effect of chemical immobilization on social status of bighorn rams. <i>Animal Behaviour</i> , 2004, 67, 1163-1165.	1.9	38
45	Environmental and evolutionary effects on horn growth of male bighorn sheep. <i>Oikos</i> , 2017, 126, 1031-1041.	2.7	38
46	Multidimensional environmental influences on timing of breeding in a tree swallow population facing climate change. <i>Evolutionary Applications</i> , 2015, 8, 933-944.	3.1	37
47	Rut-induced Hypophagia in Male Bighorn Sheep and Mountain Goats: Foraging Under Time Budget Constraints. <i>Ethology</i> , 2009, 115, 141-151.	1.1	35
48	Context-dependent correlation between resting metabolic rate and daily energy expenditure in wild chipmunks. <i>Journal of Experimental Biology</i> , 2013, 216, 418-26.	1.7	35
49	Data from selective harvests underestimate temporal trends in quantitative traits. <i>Biology Letters</i> , 2012, 8, 878-881.	2.3	35
50	Ecological immunology in a fluctuating environment: an integrative analysis of tree swallow nestling immune defense. <i>Ecology and Evolution</i> , 2013, 3, 1091-1103.	1.9	34
51	Despite Catch-Up, Prolonged Growth Has Detrimental Fitness Consequences in a Long-Lived Vertebrate. <i>American Naturalist</i> , 2013, 182, 775-785.	2.1	32
52	Density-dependent functional responses in habitat selection by two hosts of the raccoon rabies virus variant. <i>Ecosphere</i> , 2014, 5, 1-16.	2.2	32
53	Harvesting as a potential selective pressure on behavioural traits. <i>Journal of Applied Ecology</i> , 2017, 54, 1941-1945.	4.0	32
54	Indirect effects of bear hunting: a review from Scandinavia. <i>Ursus</i> , 2017, 28, 150-164.	0.5	31

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55	Individual and environmental determinants of reproductive success in male tree swallow (<i>Tachycineta bicolor</i>). <i>Behavioral Ecology and Sociobiology</i> , 2014, 68, 733-742.	1.4	30
56	ORAL VACCINATION AGAINST RACCOON RABIES: LANDSCAPE HETEROGENEITY AND TIMING OF DISTRIBUTION INFLUENCE WILDLIFE CONTACT RATES WITH THE ONRAB VACCINE BAIT. <i>Journal of Wildlife Diseases</i> , 2011, 47, 593-602.	0.8	27
57	Quantifying individual heterogeneity and its influence on life-history trajectories: different methods for different questions and contexts. <i>Oikos</i> , 2018, 127, 687-704.	2.7	26
58	The pace of modern life, revisited. <i>Molecular Ecology</i> , 2022, 31, 1028-1043.	3.9	26
59	Noninvasive Monitoring of Fecal Cortisol Metabolites in the Eastern Chipmunk (<i>Tamias</i>). <i>Zoology</i> , 2012, 85, 183-193.	1.5	25
60	Decomposing variation in population growth into contributions from environment and phenotypes in an age-structured population. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2012, 279, 394-401.	2.6	25
61	Interplay between contact risk, conspecific density, and landscape connectivity: An individual-based modeling framework. <i>Ecological Modelling</i> , 2018, 373, 25-38.	2.5	21
62	Can phenotypic rescue from harvest refuges buffer wild sheep from selective hunting?. <i>Ecology and Evolution</i> , 2014, 4, 3375-3382.	1.9	20
63	Male mating competitiveness and age-dependent relationship between testosterone and social rank in bighorn sheep. <i>Behavioral Ecology and Sociobiology</i> , 2013, 67, 919-928.	1.4	19
64	The trade-off between clutch size and egg mass in tree swallows (<i>Tachycineta bicolor</i>) is modulated by female body mass. <i>Journal of Avian Biology</i> , 2016, 47, 500-507.	1.2	19
65	Drivers and demographic consequences of seasonal mass changes in an alpine ungulate. <i>Ecology</i> , 2018, 99, 724-734.	3.2	19
66	Plasticity in the rumination behaviour of bighorn sheep: contrasting strategies between the sexes?. <i>Animal Behaviour</i> , 2010, 79, 1047-1053.	1.9	18
67	Can hunting data be used to estimate unbiased population parameters? A case study on brown bears. <i>Biology Letters</i> , 2016, 12, 20160197.	2.3	18
68	Parasite prevalence, infection intensity and richness in an endangered population, the Atlantic-Gaspésie caribou. <i>International Journal for Parasitology: Parasites and Wildlife</i> , 2018, 7, 90-94.	1.5	18
69	Lack of Genetic Structure and Female-Specific Effect of Dispersal Barriers in a Rabies Vector, the Striped Skunk (<i>Mephitis mephitis</i>). <i>PLoS ONE</i> , 2012, 7, e49736.	2.5	17
70	Fluctuating effects of genetic and plastic changes in body mass on population dynamics in a large herbivore. <i>Ecology</i> , 2017, 98, 2456-2467.	3.2	17
71	Dyadic associations and individual sociality in bighorn ewes. <i>Behavioral Ecology</i> , 2016, 27, 560-566.	2.2	16
72	Assessment of individual and conspecific reproductive success as determinants of breeding dispersal of female tree swallows: A capture-recapture approach. <i>Ecology and Evolution</i> , 2017, 7, 7334-7346.	1.9	16

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73	Maternal condition and previous reproduction interact to affect offspring sex in a wild mammal. <i>Biology Letters</i> , 2016, 12, 20160510.	2.3	15
74	Linking habitat, predators and alternative prey to explain recruitment variations of an endangered caribou population. <i>Global Ecology and Conservation</i> , 2020, 22, e00920.	2.1	15
75	Patterns of Fluctuating Selection on Morphological and Reproductive Traits in Female Tree Swallow (<i>Tachycineta bicolor</i>). <i>Evolutionary Biology</i> , 2015, 42, 349-358.	1.1	14
76	CHEMICAL IMMOBILIZATION OF RACCOONS (<i>PROCYON LOTOR</i>) WITH KETAMINE-MEDETOMIDINE MIXTURE AND REVERSAL WITH ATIPAMEZOLE. <i>Journal of Wildlife Diseases</i> , 2012, 48, 122-130.	0.8	13
77	Not surprisingly, no inheritance of a trait results in no evolution. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E4810.	7.1	13
78	Phenotypic plasticity in bighorn sheep reproductive phenology: from individual to population. <i>Behavioral Ecology and Sociobiology</i> , 2019, 73, 1.	1.4	13
79	Assessing pesticides exposure effects on the reproductive performance of a declining aerial insectivore. <i>Ecological Applications</i> , 2021, 31, e02415.	3.8	13
80	Litter reductions reveal a trade-off between offspring size and number in brown bears. <i>Behavioral Ecology and Sociobiology</i> , 2012, 66, 1025-1032.	1.4	12
81	Record books do not capture population trends in horn length of bighorn sheep. <i>Wildlife Society Bulletin</i> , 2015, 39, 746-750.	1.6	12
82	Hunting, age structure, and horn size distribution in bighorn sheep. <i>Journal of Wildlife Management</i> , 2017, 81, 792-799.	1.8	11
83	Environmental determinants of haemosporidian parasite prevalence in a declining population of Tree swallows. <i>Parasitology</i> , 2018, 145, 961-970.	1.5	11
84	Combined influence of food availability and agricultural intensification on a declining aerial insectivore. <i>Ecological Monographs</i> , 2022, 92, .	5.4	11
85	Temporal correlations among demographic parameters are ubiquitous but highly variable across species. <i>Ecology Letters</i> , 2022, 25, 1640-1654.	6.4	11
86	A reliable technique to quantify the individual variability of iridescent coloration in birds. <i>Journal of Avian Biology</i> , 2016, 47, 227-234.	1.2	10
87	The influence of iridescent coloration directionality on male tree swallows' reproductive success at different breeding densities. <i>Behavioral Ecology and Sociobiology</i> , 2016, 70, 1557-1569.	1.4	10
88	Solutions for Archiving Data in Long-Term Studies: A Reply to Whitlock et al.. <i>Trends in Ecology and Evolution</i> , 2016, 31, 85-87.	8.7	10
89	Influence of lipids on stable isotope ratios in mammal hair: highlighting the importance of validation. <i>Ecosphere</i> , 2019, 10, e02723.	2.2	10
90	Effects of Spring Migration Distance on Tree Swallow Reproductive Success Within and Among Flyways. <i>Frontiers in Ecology and Evolution</i> , 2019, 7, .	2.2	10

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91	An introduction to event history analyses for ecologists. <i>Ecosphere</i> , 2020, 11, e03238.	2.2	10
92	Agricultural Intensification Is Linked to Constitutive Innate Immune Function in a Wild Bird Population. <i>Physiological and Biochemical Zoology</i> , 2017, 90, 201-209.	1.5	9
93	Capital vs. income-dependent optimal birth date in two North American ungulates. <i>Ecosphere</i> , 2017, 8, e01766.	2.2	9
94	Genetic structure and effective size of an endangered population of woodland caribou. <i>Conservation Genetics</i> , 2019, 20, 203-213.	1.5	9
95	Impacts of environmental heterogeneity on natural selection in a wild bird population*. <i>Evolution; International Journal of Organic Evolution</i> , 2020, 74, 1142-1154.	2.3	9
96	Determinants and long-term costs of early reproduction in males of a long-lived polygynous mammal. <i>Ecology and Evolution</i> , 2021, 11, 6829-6845.	1.9	9
97	Interacting effects of cold snaps, rain, and agriculture on the fledging success of a declining aerial insectivore. <i>Ecological Applications</i> , 2022, 32, e2645.	3.8	9
98	Sexually antagonistic association between paternal phenotype and offspring viability reinforces total selection on a sexually selected trait. <i>Biology Letters</i> , 2014, 10, 20140043.	2.3	8
99	The Population Growth Consequences of Variation in Individual Heterozygosity. <i>PLoS ONE</i> , 2011, 6, e19667.	2.5	7
100	Human Evolution: New Playgrounds for Natural Selection. <i>Current Biology</i> , 2013, 23, R446-R448.	3.9	7
101	From diet to hair and blood: empirical estimation of discrimination factors for C and N stable isotopes in five terrestrial mammals. <i>Journal of Mammalogy</i> , 2020, 101, 1332-1344.	1.3	7
102	Sons accelerate maternal aging in a wild mammal. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 4850-4857.	7.1	7
103	Growth and reproduction trade-offs can estimate previous reproductive history in alpine ungulates. <i>Journal of Applied Ecology</i> , 2021, 58, 869-878.	4.0	7
104	Causes and short-term consequences of variation in milk composition in wild sheep. <i>Journal of Animal Ecology</i> , 2019, 88, 857-869.	2.8	6
105	Trophy hunting mediates sex-specific associations between early-life environmental conditions and adult mortality in bighorn sheep. <i>Journal of Animal Ecology</i> , 2019, 88, 734-745.	2.8	6
106	Maternal longevity and offspring sex in wild ungulates. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2019, 286, 20181968.	2.6	6
107	Testing the importance of harvest refuges for phenotypic rescue of trophy-hunted populations. <i>Journal of Applied Ecology</i> , 2020, 57, 526-535.	4.0	6
108	Harvest is associated with the disruption of social and fine-scale genetic structure among matriline of a solitary large carnivore. <i>Evolutionary Applications</i> , 2021, 14, 1023-1035.	3.1	6

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109	Nonideal nest box selection by tree swallows breeding in farmlands: Evidence for an ecological trap?. <i>Ecology and Evolution</i> , 2021, 11, 16296-16313.	1.9	6
110	Commentary on : Reproductive Investment and Lifespan. <i>Ecology Letters</i> , 2007, 10, 872-874.	6.4	5
111	Genetic structure and diversity among rabid and nonrabid raccoons. <i>Ecoscience</i> , 2013, 20, 345-351.	1.4	5
112	Agricultural pesticides and ectoparasites: potential combined effects on the physiology of a declining aerial insectivore. , 2021, 9, coab025.		5
113	Observation of Nocturnal Feeding in Black Vultures (<i>Coragyps atratus</i>). <i>Journal of Raptor Research</i> , 2011, 45, 279-280.	0.6	4
114	Disentangling direct and indirect determinants of the duration of maternal care in brown bears: Environmental context matters. <i>Journal of Animal Ecology</i> , 2021, 90, 376-386.	2.8	4
115	Do Early-Life Conditions Drive Variation in Senescence of Female Bighorn Sheep?. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 637692.	3.7	4
116	The interplay between hunting rate, hunting selectivity, and reproductive strategies shapes population dynamics of a large carnivore. <i>Evolutionary Applications</i> , 2021, 14, 2414-2432.	3.1	4
117	Quantifying fixed individual heterogeneity in demographic parameters: Performance of correlated random effects for Bernoulli variables. <i>Methods in Ecology and Evolution</i> , 2022, 13, 91-104.	5.2	4
118	Testing the matchâ€“mismatch hypothesis in bighorn sheep in the context of climate change. <i>Global Change Biology</i> , 2022, 28, 21-32.	9.5	4
119	Trophic niche partitioning between two prey and their incidental predators revealed various threats for an endangered species. <i>Ecology and Evolution</i> , 2022, 12, e8742.	1.9	4
120	Behavioural reactions of bighorn sheep (<i>Ovis canadensis</i>) to cougar (<i>Puma concolor</i>) attacks / Comportement du mouflon d'Amérique (<i>Ovis canadensis</i>) lors d'attaques par le cougar (<i>Puma</i>) Tj ETQq0 0 0 rgBT0/0verlock10 Tf 50 2		
121	Solar Irradiance, Survival and Longevity in a Pre-industrial Human Population. <i>Human Ecology</i> , 2014, 42, 645-650.	1.4	3
122	Patterns of Diversity and Spatial Variability of Î²-Defensin Innate Immune Genes in a Declining Wild Population of Tree Swallows. <i>Journal of Heredity</i> , 2017, 108, 262-269.	2.4	3
123	Milk composition in a wild mammal: a physiological signature of phenological changes. <i>Oecologia</i> , 2020, 193, 349-358.	2.0	3
124	Breeding migrations by bighorn sheep males are driven by mating opportunities. <i>Ecology and Evolution</i> , 2022, 12, e8692.	1.9	3
125	Cogestion adaptative des parcs du Nunavik dans un contexte de changements climatiques. <i>Teoros: Revue De Recherche En Tourisme</i> , 2012, 31, 61-71.	0.1	2
126	Linking innate immunogenetic variation with phenotypic traits in a wild population of tree swallows, <i>Tachycineta bicolor</i> . <i>Biological Journal of the Linnean Society</i> , 2017, 121, 685-697.	1.6	2

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127	Testing evolutionary predictions in wild mice. <i>Science</i> , 2019, 363, 452-453.	12.6	2
128	Effects of blood parasite infection and innate immune genetic diversity on mating patterns in a passerine bird breeding in contrasted habitats. <i>PeerJ</i> , 2018, 6, e6004.	2.0	2
129	A multivariate perspective of resource acquisition behaviours in bighorn sheep. <i>Animal Behaviour</i> , 2022, 184, 81-87.	1.9	2
130	Ewe are what ewe wear: bigger horns, better ewes and the potential consequence of trophy hunting on female fitness in bighorn sheep. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2022, 289, 20212534.	2.6	2
131	Links Between Individual Performance, Trace Elements and Stable Isotopes in an Endangered Caribou Population. <i>Global Ecology and Conservation</i> , 2022, , e02234.	2.1	2
132	Resampling Method for Applying Density-Dependent Habitat Selection Theory to Wildlife Surveys. <i>PLoS ONE</i> , 2015, 10, e0128238.	2.5	1
133	Changes in horn size of Stone's sheep over four decades correlate with trophy hunting pressure. , 0, , 150612113525004.		1
134	Born to be wild? Response of an urban exploiter to human-modified environment and fluctuating weather conditions. <i>Canadian Journal of Zoology</i> , 2015, 93, 315-322.	1.0	1
135	Offspring mass variation in tree swallows: A case of betâ€hedging?. <i>Ecosphere</i> , 2019, 10, e02607.	2.2	1
136	Proximity to humans is associated with longer maternal care in brown bears. <i>Behavioral Ecology and Sociobiology</i> , 2019, 73, 1.	1.4	1
137	Trade-off between offspring mass and number: the lightest offspring bear the costs. <i>Biology Letters</i> , 2020, 16, 20190707.	2.3	1
138	Of war, tusks, and genes. <i>Science</i> , 2021, 374, 394-395.	12.6	0