Andrew E Derocher

List of Publications by Year
in descending order

220 papers	13,773 citations	17440 63 h-index	24982 109 g-index

229 all docs	229 docs citations	229 times ranked	9429 citing authors

#	Article	IF	Citations
1	The Status of the World's Land and Marine Mammals: Diversity, Threat, and Knowledge. Science, 2008, 322, 225-230.	12.6	1,215
2	The Impact of Conservation on the Status of the Worldâ€™s Vertebrates. Science, 2010, 330, 1503-1509.	12.6	1,209
3	Polar Bears in a Warming Climate. Integrative and Comparative Biology, 2004, 44, 163-176.	2.0	379
4	Predicting 21stâ€century polar bear habitat distribution from global climate models. Ecological Monographs, 2009, 79, 25-58.	5.4	299
5	What are the toxicological effects of mercury in Arctic biota?. Science of the Total Environment, 2013, 443, 775-790.	8.0	287
6	Effects of climate warming on polar bears: a review of the evidence. Global Change Biology, 2012, 18, 2694-2706.	9.5	234
7	Genetic structure of the world's polar bear populations. Molecular Ecology, 1999, 8, 1571-1584.	3.9	227
8	Predicting survival, reproduction and abundance of polar bears under climate change. Biological Conservation, 2010, 143, 1612-1622.	4.1	180
9	Polar bear population dynamics in the southern Beaufort Sea during a period of sea ice decline. Ecological Applications, 2015, 25, 634-651.	3.8	177
10	Variation in the response of an Arctic top predator experiencing habitat loss: feeding and reproductive ecology of two polar bear populations. Global Change Biology, 2014, 20, 76-88.	9.5	176
11	Brominated Flame Retardants in Polar Bears (Ursus maritimus) from Alaska, the Canadian Arctic, East Greenland, and Svalbard. Environmental Science & Technology, 2006, 40, 449-455.	10.0	172
12	Possible Impacts of Climatic Warming on Polar Bears. Arctic, 1993, 46, .	0.4	168
13	Distribution of polar bears (Ursus maritimus) during the ice-free period in western Hudson Bay. Canadian Journal of Zoology, 1990, 68, 1395-1403.	1.0	167
14	Diet composition of polar bears in Svalbard and the western Barents Sea. Polar Biology, 2002, 25, 448-452.	1.2	166
15	Circumpolar Study of Perfluoroalkyl Contaminants in Polar Bears (Ursus maritimus). Environmental Science & Technology, 2005, 39, 5517-5523.	10.0	159
16	Congener-Specific Accumulation and Food Chain Transfer of Polybrominated Diphenyl Ethers in Two Arctic Food Chains. Environmental Science & Technology, 2004, 38, 1667-1674.	10.0	153
17	Space-use strategies of female polar bears in a dynamic sea ice habitat. Canadian Journal of Zoology, 2001, 79, 1704-1713.	1.0	139
18	Migration phenology and seasonal fidelity of an Arctic marine predator in relation to sea ice dynamics. Journal of Animal Ecology, 2013, 82, 912-921.	2.8	137

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19	Postnatal growth in body length and mass of polar bears (Ursus maritimus) at Svalbard. Journal of Zoology, 2002, 256, 343-349.	1.7	136
20	Predation of Svalbard reindeer by polar bears. Polar Biology, 2000, 23, 675-678.	1.2	135
21	Relationships between PCBs and thyroid hormones and retinol in female and male polar bears.. Environmental Health Perspectives, 2004, 112, 826-833.	6.0	133
22	Functional responses in polar bear habitat selection. Oikos, 2003, 100, 112-124.	2.7	130
23	Aspects of survival in juvenile polar bears. Canadian Journal of Zoology, 1996, 74, 1246-1252.	1.0	126
24	Predicting climate change impacts on polar bear litter size. Nature Communications, 2011, 2, 186.	12.8	125
25	Using satellite telemetry to define spatial population structure in polar bears in the Norwegian and western Russian Arctic. Journal of Applied Ecology, 2002, 39, 79-90.	4.0	124
26	Relationships Between Plasma Levels of Organochlorines, Retinol and Thyroid Hormones from Polar Bears (Ursus maritimus) at Svalbard. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2001, 62, 227-241.	2.3	123
27	Pregnancy rates and serum progesterone levels of polar bears in western Hudson Bay. Canadian Journal of Zoology, 1992, 70, 561-566.	1.0	117
28	Organochlorines Affect the Major Androgenic Hormone, Testosterone, in Male Polar Bears (Ursus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 66, 2119-2139.	2.3	116
29	Chlorinated hydrocarbon contaminants and metabolites in polar bears (Ursus maritimus) from Alaska, Canada, East Greenland, and Svalbard: 1996â˜2002. Science of the Total Environment, 2005, 351-352, 369-390.	8.0	113
30	Polychlorinated biphenyls and reproductive hormones in female polar bears at Svalbard.. Environmental Health Perspectives, 2003, 111, 431-436.	6.0	111
31	Ageâ€specific reproductive performance of female polar bears (Ursus maritimus). Journal of Zoology, 1994, 234, 527-536.	1.7	109
32	State-space modelsâ€™ dirty little secrets: even simple linear Gaussian models can have estimation problems. Scientific Reports, 2016, 6, 26677.	3.3	108
33	Hundreds of Unrecognized Halogenated Contaminants Discovered in Polar Bear Serum. Angewandte Chemie - International Edition, 2018, 57, 16401-16406.	13.8	107
34	Aspects of milk composition and lactation in polar bears. Canadian Journal of Zoology, 1993, 71, 561-567.	1.0	105
35	Does High Organochlorine (OC) Exposure Impair The Resistance To Infection In Polar Bears (Ursus) Tj ETQq1 1 0.784314 rgBT /Overlock Health - Part A: Current Issues, 2004, 67, 555-582.	2.3	105
36	Fast carnivores and slow herbivores: differential foraging strategies among grizzly bears in the Canadian Arctic. Oecologia, 2011, 165, 877-889.	2.0	104

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37	Organochlorines Affect the Steroid Hormone Cortisol in Free-Ranging Polar Bears (Ursus maritimus) at Svalbard, Norway. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2004, 67, 959-977.	2.3	97
38	Spatial and temporal patterns of problem polar bears in Churchill, Manitoba. Polar Biology, 2009, 32, 1529-1537.	1.2	97
39	POSSIBLE IMMUNOTOXIC EFFECTS OF ORGANOCHLORINES IN POLAR BEARS (URSUS MARITIMUS) AT SVALBARD. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2000, 59, 561-574.	2.3	92
40	SEXUAL DIMORPHISM OF POLAR BEARS. Journal of Mammalogy, 2005, 86, 895-901.	1.3	90
41	Migratory response of polar bears to sea ice loss: to swim or not to swim. Ecography, 2017, 40, 189-199.	4.5	90
42	Modelling the mating system of polar bears: a mechanistic approach to the Allee effect. Proceedings of the Royal Society B: Biological Sciences, 2008, 275, 217-226.	2.6	88
43	FEMALE PSEUDOHERMAPHRODITE POLAR BEARS AT SVALBARD. Journal of Wildlife Diseases, 1998, 34, 792-796.	0.8	85
44	Contaminants in Svalbard polar bear samples archived since 1967 and possible population level effects. Science of the Total Environment, 2003, 301, 163-174.	8.0	84
45	Sea ice and polar bear den ecology at HopenÂIsland, Svalbard. Marine Ecology - Progress Series, 2011, 441, 273-279.	1.9	84
46	Low site fidelity and home range drift in a wide-ranging, large Arctic omnivore. Animal Behaviour, 2009, 77, 23-28.	1.9	83
47	Geographic variation of PCB congeners in polar bears (Ursus maritimus) from Svalbard east to the Chukchi Sea. Polar Biology, 2001, 24, 231-238.	1.2	82
48	Seasonal and annual movement patterns of polar bears on the sea ice of Hudson Bay. Canadian Journal of Zoology, 2006, 84, 1281-1294.	1.0	81
49	Future sea ice conditions in Western <scp>H</scp>udson <scp>B</scp>ay and consequences for polar bears in the 21st century. Global Change Biology, 2013, 19, 2675-2687.	9.5	81
50	Sexual dimorphism and the mating ecology of polar bears (Ursus maritimus) at Svalbard. Behavioral Ecology and Sociobiology, 2010, 64, 939-946.	1.4	80
51	Influence of intraspecific competition on the distribution of a wideâ€ranging, nonâ€territorial carnivore. Global Ecology and Biogeography, 2014, 23, 425-435.	5.8	79
52	Age and Sex Composition of Seals Killed by Polar Bears in the Eastern Beaufort Sea. PLoS ONE, 2012, 7, e41429.	2.5	78
53	Does High Organochlorine (OC) Exposure Impair the Resistance to Infection in Polar Bears (Ursus) Tj ETQq1 1 0.784314 rgBT /Overlock Journal of Toxicology and Environmental Health - Part A: Current Issues, 2005, 68, 457-484.	2.3	76
54	Terrestrial Foraging by Polar Bears during the Ice-Free Period in Western Hudson Bay. Arctic, 1993, 46, .	0.4	76

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55	Maternal investment and factors affecting offspring size in polar bears (Ursus maritimus). Journal of Zoology, 1998, 245, 253-260.	1.7	75
56	Temporal variation in reproduction and body mass of polar bears in western Hudson Bay. Canadian Journal of Zoology, 1995, 73, 1657-1665.	1.0	74
57	BRUCELLA SP. ANTIBODIES IN POLAR BEARS FROM SVALBARD AND THE BARENTS SEA. Journal of Wildlife Diseases, 2001, 37, 523-531.	0.8	74
58	Spring fasting behavior in a marine apex predator provides an index of ecosystem productivity. Global Change Biology, 2018, 24, 410-423.	9.5	72
59	Infanticide and Cannibalism of Juvenile Polar Bears (Ursus maritimus) in Svalbard. Arctic, 1999, 52, .	0.4	72
60	PCBs and OH-PCBs in polar bear motherâ€“cub pairs: A comparative study based on plasma levels in 1998 and 2008. Science of the Total Environment, 2012, 417-418, 117-128.	8.0	70
61	Rapid ecosystem change and polar bear conservation. Conservation Letters, 2013, 6, 368-375.	5.7	70
62	Mass Loss Rates of Fasting Polar Bears. Physiological and Biochemical Zoology, 2016, 89, 377-388.	1.5	69
63	Population ecology of polar bears at Svalbard, Norway. Population Ecology, 2005, 47, 267-275.	1.2	68
64	Fasting physiology of polar bears in relation to environmental change and breeding behavior in the Beaufort Sea. Polar Biology, 2009, 32, 383-391.	1.2	66
65	Projected Polar Bear Sea Ice Habitat in the Canadian Arctic Archipelago. PLoS ONE, 2014, 9, e113746.	2.5	64
66	Organochlorines in top predators at Svalbard â€" occurrence, levels and effects. Toxicology Letters, 2000, 112-113, 103-109.	0.8	62
67	EFFECTS OF FASTING AND FEEDING ON SERUM UREA AND SERUM CREATININE LEVELS IN POLAR BEARS. Marine Mammal Science, 1990, 6, 196-203.	1.8	61
68	Observations of aggregating behaviour in adult male polar bears (Ursus maritimus). Canadian Journal of Zoology, 1990, 68, 1390-1394.	1.0	61
69	Polar bear (Ursus maritimus) maternity den distribution in Svalbard, Norway. Polar Biology, 2012, 35, 499-508.	1.2	61
70	Perfluoroalkyl substances in polar bear motherâ€“cub pairs: A comparative study based on plasma levels from 1998 and 2008. Environment International, 2012, 49, 92-99.	10.0	60
71	Polar bear predatory behaviour reveals seascape distribution of ringed seal lairs. Population Ecology, 2014, 56, 129-138.	1.2	59
72	A body composition model to estimate mammalian energy stores and metabolic rates from body mass and body length, with application to polar bears. Journal of Experimental Biology, 2009, 212, 2313-2323.	1.7	58

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73	Geographical distribution of organochlorine pesticides (OCPs) in polar bears (Ursus maritimus) in the Norwegian and Russian Arctic. Science of the Total Environment, 2003, 306, 159-170.	8.0	57
74	Serosurvey for Trichinella in polar bears (Ursus maritimus) from Svalbard and the Barents Sea. Veterinary Parasitology, 2010, 172, 256-263.	1.8	57
75	Female polar bears, Ursus maritimus, on the Barents Sea drift ice: walking the treadmill. Animal Behaviour, 2003, 66, 107-113.	1.9	56
76	Home Range Size Variation in Female Arctic Grizzly Bears Relative to Reproductive Status and Resource Availability. PLoS ONE, 2013, 8, e68130.	2.5	56
77	Assessing polar bear (Ursus maritimus) population structure in the Hudson Bay region using <scp>SNP</scp>s. Ecology and Evolution, 2016, 6, 8474-8484.	1.9	56
78	SEROLOGIC SURVEY FOR SELECTED VIRUS INFECTIONS IN POLAR BEARS AT SVALBARD. Journal of Wildlife Diseases, 2005, 41, 310-316.	0.8	55
79	A circumpolar monitoring framework for polar bears. Ursus, 2012, 23, 1-66.	0.5	55
80	Monitoring sea ice habitat fragmentation for polar bear conservation. Animal Conservation, 2012, 15, 397-406.	2.9	53
81	Monitoring PCBs in polar bears: lessons learned from Svalbard. Journal of Environmental Monitoring, 2001, 3, 493-498.	2.1	52
82	Quantifying dietary pathways of proteins and lipids to tissues of a marine predator. Journal of Applied Ecology, 2011, 48, 373-381.	4.0	50
83	Conservation and management of Canadaâ€™s polar bears (Ursus maritimus) in a changing Arctic¹This review is part of the virtual symposium â€œFlagship Speciesâ€‰â€“â€‰Flagship Problemsâ€• that deals with ecology, biodiversity and management issues, and climate impacts on species at risk and of Canadian importance, including the polar bear (Ursus maritimus), Atlantic cod (Gadus) Tj ETQq1 1 0.784314 rgBT /Overlock Canadian Journal of Zoology, 2011, 89, 371-385.	1.0	50
84	Seasonal habitat selection by adult female polar bears in western Hudson Bay. Population Ecology, 2016, 58, 407-419.	1.2	50
85	On the integration of ecological and physiological variables in polar bear toxicology research: a systematic review. Environmental Reviews, 2018, 26, 1-12.	4.5	50
86	Fatty acid composition of the adipose tissue of polar bears and of their prey: ringed seals, bearded seals and harp seals. Marine Ecology - Progress Series, 2003, 265, 275-282.	1.9	50
87	Differences in Mercury Bioaccumulation between Polar Bears (Ursus maritimus) from the Canadian high- and sub-Arctic. Environmental Science & Technology, 2011, 45, 5922-5928.	10.0	49
88	Conservation and management of large carnivores in North America. International Journal of Environmental Studies, 2013, 70, 383-398.	1.6	49
89	Windscapes and olfactory foraging in a large carnivore. Scientific Reports, 2017, 7, 46332.	3.3	48
90	Choose Your Poisonâ€”Space-Use Strategy Influences Pollutant Exposure in Barents Sea Polar Bears. Environmental Science & Technology, 2018, 52, 3211-3221.	10.0	48

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91	Unusual Predation Attempts of Polar Bears on Ringed Seals in the Southern Beaufort Sea: Possible Significance of Changing Spring Ice Conditions. Arctic, 2009, 61, 14.	0.4	48
92	Spatiotemporal modelling of marine movement data using Template Model Builder (TMB). Marine Ecology - Progress Series, 2017, 565, 237-249.	1.9	48
93	Latitudinal variation in litter size of polar bears: ecology or methodology?. Polar Biology, 1999, 22, 350-356.	1.2	47
94	Adaptation of the hindlimbs for climbing in bears. Annals of Anatomy, 2005, 187, 153-160.	1.9	47
95	An incident of polar bear infanticide and cannibalism on PhippsÃ¸ya, Svalbard. Polar Record, 2007, 43, 171-173.	0.8	47
96	Ecological risk assessment of persistent organic pollutants in the arctic. Toxicology, 2002, 181-182, 193-197.	4.2	46
97	Implications of the Circumpolar Genetic Structure of Polar Bears for Their Conservation in a Rapidly Warming Arctic. PLoS ONE, 2015, 10, e112021.	2.5	46
98	RINGED SEAL (PHOCA HISPIDA) BREEDING IN THE DRIFTING PACK ICE OF THE BARENTS SEA. Marine Mammal Science, 1999, 15, 595-598.	1.8	45
99	Factors Affecting the Evolution and Behavioral Ecology of the Modern Bears. Ursus, 1990, 8, 189.	0.1	43
100	Estimation of Polar Bear Population Size and Survival in Western Hudson Bay. Journal of Wildlife Management, 1995, 59, 215.	1.8	43
101	Chemical characterization of milk oligosaccharides of the polar bear, Ursus maritimus. Biochimica Et Biophysica Acta - General Subjects, 2000, 1475, 395-408.	2.4	42
102	Abundance and species diversity hotspots of tracked marine predators across the North American Arctic. Diversity and Distributions, 2019, 25, 328-345.	4.1	42
103	Mating-related behaviour of grizzly bears inhabiting marginal habitat at the periphery of their North American range. Behavioural Processes, 2015, 111, 75-83.	1.1	41
104	Polar bear (<i>Ursus maritimus</i>) Migration from Maternal Dens in Western Hudson Bay. Arctic, 2017, 70, 319.	0.4	39
105	Observation of Adoption in Polar Bears (Ursus maritimus). Arctic, 1999, 52, .	0.4	38
106	PLASMA BIOCHEMICAL VALUES FROM APPARENTLY HEALTHY FREE-RANGING POLAR BEARS FROM SVALBARD. Journal of Wildlife Diseases, 2002, 38, 566-575.	0.8	37
107	Use of Arctic ground squirrels (Urocitellus parryii) by brown bears (Ursus arctos). Polar Biology, 2015, 38, 369-379.	1.2	37
108	Mercury and cortisol in Western Hudson Bay polar bear hair. Ecotoxicology, 2015, 24, 1315-1321.	2.4	37

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109	Home ranges in moving habitats: polar bears and sea ice. Ecography, 2016, 39, 26-35.	4.5	36
110	Prevalence of Antibodies Against Toxoplasma gondii in Polar Bears (Ursus maritimus) From Svalbard and East Greenland. Journal of Parasitology, 2009, 95, 89-94.	0.7	34
111	Transthyretin-Binding Activity of Contaminants in Blood from Polar Bear (Ursus maritimus) Cubs. Environmental Science & Technology, 2013, 47, 4778-4786.	10.0	33
112	Space-Use Strategy Is an Important Determinant of PCB Concentrations in Female Polar Bears in the Barents Sea. Environmental Science & Technology, 2003, 37, 4919-4924.	10.0	32
113	Polar bear Ursus maritimus conservation in Canada: an ecological basis for identifying designatable units. Oryx, 2008, 42, 504.	1.0	32
114	Differentiating the LÃ©vy walk from a composite correlated random walk. Methods in Ecology and Evolution, 2015, 6, 1179-1189.	5.2	32
115	Subpopulation structure of caribou (Rangifer tarandusL.) in arctic and subarctic Canada. , 2011, 21, 2334-2348.		31
116	Male-Biased Harvesting of Polar Bears in Western Hudson Bay. Journal of Wildlife Management, 1997, 61, 1075.	1.8	30
117	Polar bears : proceedings of the 14th Working meeting of the IUCN/SSC Polar Bear Specialist Group, 20-24 June 2005, Seattle, Washington, USA. , 2006, , .		30
118	Response to Dyck et al. (2007) on polar bears and climate change in western Hudson Bay. Ecological Complexity, 2008, 5, 193-201.	2.9	29
119	A risk assessment review of mercury exposure in Arctic marine and terrestrial mammals. Science of the Total Environment, 2022, 829, 154445.	8.0	29
120	Milk composition in freeâ€ranging polar bears (Ursus maritimus) as a model for captive rearing milk formula. Zoo Biology, 2011, 30, 550-565.	1.2	28
121	Effects of chemical immobilization on the movement rates of free-ranging polar bears. Journal of Mammalogy, 2013, 94, 386-397.	1.3	28
122	Multiâ€temporal factors influence predation for polar bears in a changing climate. Oikos, 2015, 124, 1098-1107.	2.7	28
123	Temporal Trends of Persistent Organic Pollutants in Barents Sea Polar Bears (Ursus maritimus) in Relation to Changes in Feeding Habits and Body Condition. Environmental Science & Technology, 2019, 53, 984-995.	10.0	28
124	Sea ice cycle in western Hudson Bay, Canada, from a polar bear perspective. Marine Ecology - Progress Series, 2017, 564, 225-233.	1.9	28
125	Evaluating random search strategies in three mammals from distinct feeding guilds. Journal of Animal Ecology, 2016, 85, 1411-1421.	2.8	27
126	The Population Dynamics of Polar Bears in Western Hudson Bay. , 1992, , 1150-1159.		27

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127	Stable isotope mixing models fail to estimate the diet of an avian predator. Auk, 2018, 135, 60-70.	1.4	26
128	Reconstructing the reproductive history of female polar bears using cementum patterns of premolar teeth. Polar Biology, 2010, 33, 115-124.	1.2	25
129	Estimating Cementum Annuli Width in Polar Bears: Identifying Sources of Variation and Error. Journal of Mammalogy, 2009, 90, 1256-1264.	1.3	24
130	Home range distribution of polar bears in western Hudson Bay. Polar Biology, 2015, 38, 343-355.	1.2	24
131	Polar Bear Ecology and Management in Hudson Bay in the Face of Climate Change. , 2010, , 93-116.		24
132	Summer refugia of polar bears (Ursus maritimus) in the southern Beaufort Sea. Polar Biology, 2017, 40, 753-763.	1.2	23
133	Movements of two Svalbard polar bears recorded using geographical positioning system satellite transmitters. Polar Biology, 2008, 31, 905-911.	1.2	21
134	Assessing stress in Western Hudson Bay polar bears using hair cortisol concentration as a biomarker. Ecological Indicators, 2016, 71, 47-54.	6.3	21
135	Intrapopulation variability in wolf diet revealed using a combined stable isotope and fatty acid approach. Ecosphere, 2018, 9, e02420.	2.2	21
136	Assessment of global polar bear abundance and vulnerability. Animal Conservation, 2019, 22, 83-95.	2.9	21
137	Differences in oligosaccharide pattern of a sample of polar bear colostrum and mid-lactation milk. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2003, 136, 887-896.	1.6	20
138	Habitat selection by arctic ground squirrels (Spermophilus parryii). Journal of Mammalogy, 2010, 91, 1251-1260.	1.3	20
139	The Influence of Weather and Lemmings on Spatiotemporal Variation in the Abundance of Multiple Avian Guilds in the Arctic. PLoS ONE, 2014, 9, e101495.	2.5	20
140	Contrasting Temporal Patterns of Mercury, Niche Dynamics, and Body Fat Indices of Polar Bears and Ringed Seals in a Melting Icescape. Environmental Science & Technology, 2020, 54, 2780-2789.	10.0	20
141	Estimating Allee Dynamics before They Can Be Observed: Polar Bears as a Case Study. PLoS ONE, 2014, 9, e85410.	2.5	20
142	Ringed seal (Pusa hispida) tooth annuli as an index of reproduction in the Beaufort Sea. Ecological Indicators, 2017, 77, 286-292.	6.3	19
143	The stress of Arctic warming on polar bears. Global Change Biology, 2020, 26, 4197-4214.	9.5	19
144	Space-use strategies of female polar bears in a dynamic sea ice habitat. Canadian Journal of Zoology, 2001, 79, 1704-1713.	1.0	19

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145	Sampling rate and misidentification of LÃ©vy and non-LÃ©vy movement paths: comment. Ecology, 2011, 92, 1699-1701.	3.2	18
146	Estimating nestling diet with cameras: quantifying uncertainty from unidentified food items. Wildlife Biology, 2015, 21, 277-282.	1.4	18
147	Habitatâ€mediated timing of migration in polar bears: an individual perspective. Ecology and Evolution, 2016, 6, 5032-5042.	1.9	18
148	Ringed seal demography in a changing climate. Ecological Applications, 2019, 29, e01855.	3.8	18
149	Modeling optimal responses and fitness consequences in a changing Arctic. Global Change Biology, 2019, 25, 3450-3461.	9.5	18
150	Two Decades of Mercury Concentrations in Barents Sea Polar Bears (Ursus maritimus) in Relation to Dietary Carbon, Sulfur, and Nitrogen. Environmental Science & Technology, 2020, 54, 7388-7397.	10.0	18
151	Hair Mercury Concentrations in Western Hudson Bay Polar Bear Family Groups. Environmental Science & Technology, 2016, 50, 5313-5319.	10.0	17
152	Weatherâ€mediated decline in prey delivery rates causes foodâ€limitation in a top avian predator. Journal of Avian Biology, 2017, 48, 748-758.	1.2	17
153	How many cubs can a mum nurse? Maternal age and size influence litter size in polar bears. Biology Letters, 2019, 15, 20190070.	2.3	17
154	The prospects for polar bears. Nature, 2010, 468, 905-906.	27.8	16
155	Population structure and dispersal of wolves in the Canadian Rocky Mountains. Journal of Mammalogy, 2016, 97, 839-851.	1.3	15
156	Sea ice reduction drives genetic differentiation among Barents Sea polar bears. Proceedings of the Royal Society B: Biological Sciences, 2021, 288, 20211741.	2.6	15
157	Population substructure and space use of Foxe Basin polar bears. Ecology and Evolution, 2015, 5, 2851-2864.	1.9	14
158	Temporal and intra-population patterns in polar bear foraging ecology in western Hudson Bay. Marine Ecology - Progress Series, 2019, 619, 187-199.	1.9	14
159	Reply to Comment on Grahl-Nielsen et al. (2003): sampling, data treatment and predictions in investigations on fatty acids in marine mammals. Marine Ecology - Progress Series, 2004, 281, 303-306.	1.9	14
160	Occurrence and Prevalence of Clostridium perfringens in Polar Bears from Svalbard, Norway. Journal of Wildlife Diseases, 2008, 44, 155-158.	0.8	13
161	Nursing vocalization of a polar bear cub. Ursus, 2010, 21, 189-191.	0.5	13
162	Variation in habitat use of Beaufort Sea polar bears. Polar Biology, 2020, 43, 1247-1260.	1.2	13

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163	Spatial and temporal variability in ringed seal (Pusa hispida) stable isotopes in the Beaufort Sea. Ecology and Evolution, 2020, 10, 4178-4192.	1.9	13
164	Does Taurine Deficiency Cause Metabolic Bone Disease and Rickets in Polar Bear Cubs Raised in Captivity?. Advances in Experimental Medicine and Biology, 2009, 643, 325-331.	1.6	13
165	Brown Bear (Ursus arctos) Predation of Broad Whitefish (Coregonus nasus) in the Mackenzie Delta Region, Northwest Territories. Arctic, 2009, 62, .	0.4	12
166	Changes in Land Distribution of Polar Bears in Western Hudson Bay. Arctic, 2010, 63, .	0.4	12
167	Oil contamination of polar bears. Polar Record, 1991, 27, 56-57.	0.8	11
168	Analysis of faecal samples from wild animals for verocytotoxin producing Escherichia coli and E coli 0157. Veterinary Record, 1999, 144, 646-647.	0.3	11
169	Patterns of sea ice drift and polar bear (Ursus maritimus) movement in Hudson Bay. Marine Ecology - Progress Series, 2020, 641, 227-240.	1.9	11
170	Evidence of intraspecific prey switching: stage-structured predation of polar bears on ringed seals. Oecologia, 2019, 189, 133-148.	2.0	10
171	Polar bear denning distribution in the Canadian Arctic. Polar Biology, 2020, 43, 617-621.	1.2	10
172	Energyâ€based step selection analysis: Modelling the energetic drivers of animal movement and habitat use. Journal of Animal Ecology, 2022, 91, 946-957.	2.8	10
173	Supernumerary Mammae and Nipples in the Polar Bear (Ursus maritimus). Journal of Mammalogy, 1990, 71, 236-237.	1.3	9
174	Polar bear research: has science helped management and conservation?. Environmental Reviews, 2018, 26, 358-368.	4.5	9
175	Space use patterns affect stable isotopes of polar bears (Ursus maritimus) in the Beaufort Sea. Polar Biology, 2019, 42, 1581-1593.	1.2	9
176	Monitoring spatially resolved trace elements in polar bear hair using single spot laser ablation ICP-MS. Ecological Indicators, 2020, 119, 106822.	6.3	9
177	Temporal dynamics of human-polar bear conflicts in Churchill, Manitoba. Global Ecology and Conservation, 2020, 24, e01320.	2.1	9
178	Opportunistic evaluation of modelled sea ice drift using passively drifting telemetry collars in Hudson Bay, Canada. Cryosphere, 2020, 14, 1937-1950.	3.9	9
179	Hemoglobin, pH and DPG/chloride shifting. Biochimie, 2004, 86, 927-932.	2.6	8
180	The use of hair as a proxy for total and methylmercury burdens in polar bear muscle tissue. Science of the Total Environment, 2019, 686, 1120-1128.	8.0	8

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