

Andrew E Derocher

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

208 papers	11,106 citations	59 h-index	99 g-index
228 ext. papers	12,442 ext. citations	4.4 avg, IF	6.15 L-index

#	Paper	IF	Citations
208	A risk assessment review of mercury exposure in Arctic marine and terrestrial mammals.. <i>Science of the Total Environment</i> , 2022 , 829, 154445	10.2	3
207	Time-dependent memory and individual variation in Arctic brown bears (<i>Ursus arctos</i>).. <i>Movement Ecology</i> , 2022 , 10, 18	4.6	1
206	Migration dynamics of polar bears (<i>Ursus maritimus</i>) in western Hudson Bay. <i>Behavioral Ecology</i> , 2021 , 32, 440-451	2.3	2
205	Polar bear <i>Ursus maritimus</i> use of the western Hudson Bay fluvial lead. <i>Marine Ecology - Progress Series</i> , 2021 , 664, 227-242	2.6	0
204	Effects of sea ice fragmentation on polar bear migratory movement in Hudson Bay. <i>Marine Ecology - Progress Series</i> , 2021 , 666, 231-241	2.6	1
203	Space use of cougars at the northern edge of their range. <i>Journal of Mammalogy</i> , 2021 , 102, 1042-1053	1.8	1
202	Characterising menotactic behaviours in movement data using hidden Markov models. <i>Methods in Ecology and Evolution</i> , 2021 , 12, 1984	7.7	1
201	Sea ice reduction drives genetic differentiation among Barents Sea polar bears. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2021 , 288, 20211741	4.4	4
200	Comparing sea ice habitat fragmentation metrics using integrated step selection analysis. <i>Ecology and Evolution</i> , 2020 , 10, 4791-4800	2.8	2
199	The stress of Arctic warming on polar bears. <i>Global Change Biology</i> , 2020 , 26, 4197-4214	11.4	7
198	Two Decades of Mercury Concentrations in Barents Sea Polar Bears () in Relation to Dietary Carbon, Sulfur, and Nitrogen. <i>Environmental Science & Technology</i> , 2020 , 54, 7388-7397	10.3	12
197	The ecological and behavioral significance of short-term food caching in polar bears (<i>Ursus maritimus</i>). <i>Arctic Science</i> , 2020 , 6, 41-52	2.2	3
196	Spatial and temporal variability in ringed seal () stable isotopes in the Beaufort Sea. <i>Ecology and Evolution</i> , 2020 , 10, 4178-4192	2.8	4
195	Polar bear denning distribution in the Canadian Arctic. <i>Polar Biology</i> , 2020 , 43, 617-621	2	2
194	Contrasting Temporal Patterns of Mercury, Niche Dynamics, and Body Fat Indices of Polar Bears and Ringed Seals in a Melting Icescape. <i>Environmental Science & Technology</i> , 2020 , 54, 2780-2789	10.3	13
193	Seasonal habitat selection of cougars <i>Puma concolor</i> by sex and reproductive state in west-central Alberta, Canada. <i>Wildlife Biology</i> , 2020 , 2020, 1-14	1.7	
192	Polar Bear (<i>Ursus maritimus</i>) 2020 , 196-212		

191	Patterns of sea ice drift and polar bear (<i>Ursus maritimus</i>) movement in Hudson Bay. <i>Marine Ecology - Progress Series</i> , 2020 , 641, 227-240	2.6	4
190	Opportunistic evaluation of modelled sea ice drift using passively drifting telemetry collars in Hudson Bay, Canada. <i>Cryosphere</i> , 2020 , 14, 1937-1950	5.5	5
189	Mating Strategies 2020 , 21-35		2
188	Influence of sea ice dynamics on population energetics of Western Hudson Bay polar bears 2020 , 8, coaa132		1
187	Monitoring spatially resolved trace elements in polar bear hair using single spot laser ablation ICP-MS. <i>Ecological Indicators</i> , 2020 , 119, 106822	5.8	4
186	Variation in habitat use of Beaufort Sea polar bears. <i>Polar Biology</i> , 2020 , 43, 1247-1260	2	1
185	Temporal dynamics of human-polar bear conflicts in Churchill, Manitoba. <i>Global Ecology and Conservation</i> , 2020 , 24, e01320	2.8	1
184	Variance in lifetime reproductive success of male polar bears. <i>Behavioral Ecology</i> , 2020 , 31, 1224-1232	2.3	3
183	Predation risk and space use of a declining Dall sheep (<i>Ovis dalli dalli</i>) population. <i>PLoS ONE</i> , 2019 , 14, e0215519	3.7	2
182	Ringed seal demography in a changing climate. <i>Ecological Applications</i> , 2019 , 29, e01855	4.9	13
181	Modeling optimal responses and fitness consequences in a changing Arctic. <i>Global Change Biology</i> , 2019 , 25, 3450-3461	11.4	7
180	How many cubs can a mum nurse? Maternal age and size influence litter size in polar bears. <i>Biology Letters</i> , 2019 , 15, 20190070	3.6	8
179	Behaviour and characteristics of mating polar bears (<i>Ursus maritimus</i>) in the Beaufort Sea, Canada. <i>Polar Biology</i> , 2019 , 42, 919-929	2	3
178	Evidence of intraspecific prey switching: stage-structured predation of polar bears on ringed seals. <i>Oecologia</i> , 2019 , 189, 133-148	2.9	5
177	Assessment of global polar bear abundance and vulnerability. <i>Animal Conservation</i> , 2019 , 22, 83-95	3.2	9
176	Chronic stress and body condition of wolf-killed prey in Prince Albert National Park, Saskatchewan 2019 , 7, co2037		3
175	The use of hair as a proxy for total and methylmercury burdens in polar bear muscle tissue. <i>Science of the Total Environment</i> , 2019 , 686, 1120-1128	10.2	6
174	Space use patterns affect stable isotopes of polar bears (<i>Ursus maritimus</i>) in the Beaufort Sea. <i>Polar Biology</i> , 2019 , 42, 1581-1593	2	2

173	Matrix methods for stochastic dynamic programming in ecology and evolutionary biology. <i>Methods in Ecology and Evolution</i> , 2019 , 10, 1952-1961	7.7	1
172	Temporal and intra-population patterns in polar bear foraging ecology in western Hudson Bay. <i>Marine Ecology - Progress Series</i> , 2019 , 619, 187-199	2.6	9
171	Variability in polar bear <i>Ursus maritimus</i> stable isotopes in relation to environmental change in the Canadian Beaufort Sea. <i>Marine Ecology - Progress Series</i> , 2019 , 630, 215-225	2.6	2
170	Abundance and species diversity hotspots of tracked marine predators across the North American Arctic. <i>Diversity and Distributions</i> , 2019 , 25, 328-345	5	19
169	Temporal Trends of Persistent Organic Pollutants in Barents Sea Polar Bears (<i>Ursus maritimus</i>) in Relation to Changes in Feeding Habits and Body Condition. <i>Environmental Science & Technology</i> , 2019 , 53, 984-995	10.3	18
168	Choose Your Poison-Space-Use Strategy Influences Pollutant Exposure in Barents Sea Polar Bears. <i>Environmental Science & Technology</i> , 2018 , 52, 3211-3221	10.3	41
167	On the integration of ecological and physiological variables in polar bear toxicology research: a systematic review. <i>Environmental Reviews</i> , 2018 , 26, 1-12	4.5	40
166	Spring fasting behavior in a marine apex predator provides an index of ecosystem productivity. <i>Global Change Biology</i> , 2018 , 24, 410-423	11.4	60
165	Polar bear research: has science helped management and conservation?. <i>Environmental Reviews</i> , 2018 , 26, 358-368	4.5	5
164	Stable isotope mixing models fail to estimate the diet of an avian predatorLes modèles de mélange d'isotopes stables ne permettent pas d'estimer le régime alimentaire d'un prédateur avienStable isotopes fail to estimate avian predator diet. <i>Auk</i> , 2018 , 135, 60-70	2.1	15
163	Assessing spatial discreteness of Hudson Bay polar bear populations using telemetry and genetics. <i>Ecosphere</i> , 2018 , 9, e02364	3.1	4
162	Intrapopulation variability in wolf diet revealed using a combined stable isotope and fatty acid approach. <i>Ecosphere</i> , 2018 , 9, e02420	3.1	12
161	Hundreds of Unrecognized Halogenated Contaminants Discovered in Polar Bear Serum. <i>Angewandte Chemie</i> , 2018 , 130, 16639-16644	3.6	
160	Hundreds of Unrecognized Halogenated Contaminants Discovered in Polar Bear Serum. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 16401-16406	16.4	76
159	Summer refugia of polar bears (<i>Ursus maritimus</i>) in the southern Beaufort Sea. <i>Polar Biology</i> , 2017 , 40, 753-763	2	18
158	Migratory response of polar bears to sea ice loss: to swim or not to swim. <i>Ecography</i> , 2017 , 40, 189-199	6.5	70
157	Windscares and olfactory foraging in a large carnivore. <i>Scientific Reports</i> , 2017 , 7, 46332	4.9	24
156	Ringed seal (<i>Pusa hispida</i>) tooth annuli as an index of reproduction in the Beaufort Sea. <i>Ecological Indicators</i> , 2017 , 77, 286-292	5.8	13

155	Weather-mediated decline in prey delivery rates causes food-limitation in a top avian predator. <i>Journal of Avian Biology</i> , 2017 , 48, 748-758	1.9	13
154	Den selection by barren-ground grizzly bears, Mackenzie Delta, Northwest Territories. <i>Polar Biology</i> , 2017 , 40, 503-516	2	6
153	Long-Distance Movement of a Female Polar Bear from Canada to Russia. <i>Arctic</i> , 2017 , 70, 121	2.1	3
152	Polar bear (<i>Ursus maritimus</i>) Migration from Maternal Dens in Western Hudson Bay. <i>Arctic</i> , 2017 , 70, 319	2.1	31
151	Sea ice cycle in western Hudson Bay, Canada, from a polar bear perspective. <i>Marine Ecology - Progress Series</i> , 2017 , 564, 225-233	2.6	14
150	Spatiotemporal modelling of marine movement data using Template Model Builder (TMB). <i>Marine Ecology - Progress Series</i> , 2017 , 565, 237-249	2.6	35
149	State-space models' dirty little secrets: even simple linear Gaussian models can have estimation problems. <i>Scientific Reports</i> , 2016 , 6, 26677	4.9	74
148	Habitat-mediated timing of migration in polar bears: an individual perspective. <i>Ecology and Evolution</i> , 2016 , 6, 5032-42	2.8	13
147	Hair Mercury Concentrations in Western Hudson Bay Polar Bear Family Groups. <i>Environmental Science & Technology</i> , 2016 , 50, 5313-9	10.3	12
146	Population structure and dispersal of wolves in the Canadian Rocky Mountains. <i>Journal of Mammalogy</i> , 2016 , 97, 839-851	1.8	10
145	Assessing polar bear () population structure in the Hudson Bay region using SNPs. <i>Ecology and Evolution</i> , 2016 , 6, 8474-8484	2.8	41
144	Seasonal habitat selection by adult female polar bears in western Hudson Bay. <i>Population Ecology</i> , 2016 , 58, 407-419	2.1	42
143	Assessing stress in Western Hudson Bay polar bears using hair cortisol concentration as a biomarker. <i>Ecological Indicators</i> , 2016 , 71, 47-54	5.8	16
142	Mass Loss Rates of Fasting Polar Bears. <i>Physiological and Biochemical Zoology</i> , 2016 , 89, 377-88	2	55
141	Evaluating random search strategies in three mammals from distinct feeding guilds. <i>Journal of Animal Ecology</i> , 2016 , 85, 1411-21	4.7	16
140	Home ranges in moving habitats: polar bears and sea ice. <i>Ecography</i> , 2016 , 39, 26-35	6.5	27
139	Home range distribution of polar bears in western Hudson Bay. <i>Polar Biology</i> , 2015 , 38, 343-355	2	19
138	Use of Arctic ground squirrels (<i>Urocyon parryi</i>) by brown bears (<i>Ursus arctos</i>). <i>Polar Biology</i> , 2015 , 38, 369-379	2	32

137	Mercury and cortisol in Western Hudson Bay polar bear hair. <i>Ecotoxicology</i> , 2015 , 24, 1315-21	2.9	32
136	Population substructure and space use of Foxe Basin polar bears. <i>Ecology and Evolution</i> , 2015 , 5, 2851-64.8		11
135	Multi-temporal factors influence predation for polar bears in a changing climate. <i>Oikos</i> , 2015 , 124, 1098-1107		22
134	Estimating nestling diet with cameras: quantifying uncertainty from unidentified food items. <i>Wildlife Biology</i> , 2015 , 21, 277-282	1.7	14
133	Differentiating the Lévy walk from a composite correlated random walk. <i>Methods in Ecology and Evolution</i> , 2015 , 6, 1179-1189	7.7	28
132	Implications of the circumpolar genetic structure of polar bears for their conservation in a rapidly warming Arctic. <i>PLoS ONE</i> , 2015 , 10, e112021	3.7	30
131	Mating-related behaviour of grizzly bears inhabiting marginal habitat at the periphery of their North American range. <i>Behavioural Processes</i> , 2015 , 111, 75-83	1.6	33
130	Polar bear population dynamics in the southern Beaufort Sea during a period of sea ice decline 2015 , 25, 634-51		143
129	Influence of intraspecific competition on the distribution of a wide-ranging, non-territorial carnivore. <i>Global Ecology and Biogeography</i> , 2014 , 23, 425-435	6.1	66
128	Variation in the response of an Arctic top predator experiencing habitat loss: feeding and reproductive ecology of two polar bear populations. <i>Global Change Biology</i> , 2014 , 20, 76-88	11.4	151
127	The influence of weather and lemmings on spatiotemporal variation in the abundance of multiple avian guilds in the arctic. <i>PLoS ONE</i> , 2014 , 9, e101495	3.7	17
126	Projected polar bear sea ice habitat in the Canadian Arctic Archipelago. <i>PLoS ONE</i> , 2014 , 9, e113746	3.7	54
125	Polar bear predatory behaviour reveals seascape distribution of ringed seal lairs. <i>Population Ecology</i> , 2014 , 56, 129-138	2.1	52
124	Estimating Allee dynamics before they can be observed: polar bears as a case study. <i>PLoS ONE</i> , 2014 , 9, e85410	3.7	13
123	Effects of chemical immobilization on the movement rates of free-ranging polar bears. <i>Journal of Mammalogy</i> , 2013 , 94, 386-397	1.8	19
122	Rapid ecosystem change and polar bear conservation. <i>Conservation Letters</i> , 2013 , 6, n/a-n/a	6.9	17
121	What are the toxicological effects of mercury in Arctic biota?. <i>Science of the Total Environment</i> , 2013 , 443, 775-90	10.2	238
120	Future sea ice conditions in Western Hudson Bay and consequences for polar bears in the 21st century. <i>Global Change Biology</i> , 2013 , 19, 2675-87	11.4	67

119	Conservation and management of large carnivores in North America. <i>International Journal of Environmental Studies</i> , 2013 , 70, 383-398	1.8	38
118	Transthyretin-binding activity of contaminants in blood from polar bear (<i>Ursus maritimus</i>) cubs. <i>Environmental Science & Technology</i> , 2013 , 47, 4778-86	10.3	29
117	Migration phenology and seasonal fidelity of an Arctic marine predator in relation to sea ice dynamics. <i>Journal of Animal Ecology</i> , 2013 , 82, 912-21	4.7	111
116	Home range size variation in female arctic grizzly bears relative to reproductive status and resource availability. <i>PLoS ONE</i> , 2013 , 8, e68130	3.7	45
115	Effects of climate warming on polar bears: a review of the evidence. <i>Global Change Biology</i> , 2012 , 18, 2694-706	11.4	195
114	PCBs and OH-PCBs in polar bear mother-cub pairs: a comparative study based on plasma levels in 1998 and 2008. <i>Science of the Total Environment</i> , 2012 , 417-418, 117-28	10.2	65
113	Polar bear (<i>Ursus maritimus</i>) maternity den distribution in Svalbard, Norway. <i>Polar Biology</i> , 2012 , 35, 499-508	2	49
112	A circumpolar monitoring framework for polar bears. <i>Ursus</i> , 2012 , 23, 1-66	1.4	43
111	Monitoring sea ice habitat fragmentation for polar bear conservation. <i>Animal Conservation</i> , 2012 , 15, 397-406	3.2	43
110	Perfluoroalkyl substances in polar bear mother-cub pairs: a comparative study based on plasma levels from 1998 and 2008. <i>Environment International</i> , 2012 , 49, 92-9	12.9	55
109	Age and sex composition of seals killed by polar bears in the eastern Beaufort Sea. <i>PLoS ONE</i> , 2012 , 7, e41429	3.7	67
108	Differences in mercury bioaccumulation between polar bears (<i>Ursus maritimus</i>) from the Canadian high- and sub-Arctic. <i>Environmental Science & Technology</i> , 2011 , 45, 5922-8	10.3	43
107	Quantifying dietary pathways of proteins and lipids to tissues of a marine predator. <i>Journal of Applied Ecology</i> , 2011 , 48, 373-381	5.8	45
106	Conservation and management of Canada's polar bears (<i>Ursus maritimus</i>) in a changing Arctic1This review is part of the virtual symposium Flagship Species Flagship Problems that deals with ecology, biodiversity and management issues, and climate impacts on species at risk and of Canadian importance, including the polar bear (<i>Ursus maritimus</i>), Atlantic cod (<i>Gadus morhua</i>),	1.5	42
105	Fast carnivores and slow herbivores: differential foraging strategies among grizzly bears in the Canadian Arctic. <i>Oecologia</i> , 2011 , 165, 877-89	2.9	85
104	Milk composition in free-ranging polar bears (<i>Ursus maritimus</i>) as a model for captive rearing milk formula. <i>Zoo Biology</i> , 2011 , 30, 550-65	1.6	22
103	Sampling rate and misidentification of LÛy and non-LÛy movement paths: comment. <i>Ecology</i> , 2011 , 92, 1699-701; discussion 1701-2	4.6	15
102	Subpopulation structure of caribou (<i>Rangifer tarandus</i> L.) in arctic and subarctic Canada 2011 , 21, 2334-48		24

101	Predicting climate change impacts on polar bear litter size. <i>Nature Communications</i> , 2011 , 2, 186	17.4	106
100	Sea ice and polar bear den ecology at Hopen Island, Svalbard. <i>Marine Ecology - Progress Series</i> , 2011 , 441, 273-279	2.6	72
99	Habitat selection by arctic ground squirrels (<i>Spermophilus parryii</i>). <i>Journal of Mammalogy</i> , 2010 , 91, 1251-1260	19	
98	Sensor calibration models for a non-invasive blood glucose measurement sensor. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2010 , 2010, 4979-82	0.9	2
97	Predicting survival, reproduction and abundance of polar bears under climate change. <i>Biological Conservation</i> , 2010 , 143, 1612-1622	6.2	161
96	The impact of conservation on the status of the world's vertebrates. <i>Science</i> , 2010 , 330, 1503-9	33.3	948
95	Nursing vocalization of a polar bear cub. <i>Ursus</i> , 2010 , 21, 189-191	1.4	9
94	Sexual dimorphism and the mating ecology of polar bears (<i>Ursus maritimus</i>) at Svalbard. <i>Behavioral Ecology and Sociobiology</i> , 2010 , 64, 939-946	2.5	68
93	Reconstructing the reproductive history of female polar bears using cementum patterns of premolar teeth. <i>Polar Biology</i> , 2010 , 33, 115-124	2	19
92	Serosurvey for <i>Trichinella</i> in polar bears (<i>Ursus maritimus</i>) from Svalbard and the Barents Sea. <i>Veterinary Parasitology</i> , 2010 , 172, 256-63	2.8	50
91	Changes in Land Distribution of Polar Bears in Western Hudson Bay. <i>Arctic</i> , 2010 , 63,	2.1	11
90	Polar Bear Ecology and Management in Hudson Bay in the Face of Climate Change 2010 , 93-116		20
89	Prevalence of antibodies against <i>Toxoplasma gondii</i> in polar bears (<i>Ursus maritimus</i>) from Svalbard and East Greenland. <i>Journal of Parasitology</i> , 2009 , 95, 89-94	0.9	28
88	Predicting 21st-century polar bear habitat distribution from global climate models. <i>Ecological Monographs</i> , 2009 , 79, 25-58	9	255
87	Low site fidelity and home range drift in a wide-ranging, large Arctic omnivore. <i>Animal Behaviour</i> , 2009 , 77, 23-28	2.8	70
86	Fasting physiology of polar bears in relation to environmental change and breeding behavior in the Beaufort Sea. <i>Polar Biology</i> , 2009 , 32, 383-391	2	60
85	Spatial and temporal patterns of problem polar bears in Churchill, Manitoba. <i>Polar Biology</i> , 2009 , 32, 1529-1537	2	74
84	A body composition model to estimate mammalian energy stores and metabolic rates from body mass and body length, with application to polar bears. <i>Journal of Experimental Biology</i> , 2009 , 212, 2313-23		44

83	Estimating Cementum Annuli Width in Polar Bears: Identifying Sources of Variation and Error. <i>Journal of Mammalogy</i> , 2009 , 90, 1256-1264	1.8	18
82	Brown Bear (<i>Ursus arctos</i>) Predation of Broad Whitefish (<i>Coregonus nasus</i>) in the Mackenzie Delta Region, Northwest Territories. <i>Arctic</i> , 2009 , 62,	2.1	10
81	Unusual Predation Attempts of Polar Bears on Ringed Seals in the Southern Beaufort Sea: Possible Significance of Changing Spring Ice Conditions. <i>Arctic</i> , 2009 , 61, 14	2.1	35
80	Does taurine deficiency cause metabolic bone disease and rickets in polar bear cubs raised in captivity?. <i>Advances in Experimental Medicine and Biology</i> , 2009 , 643, 325-31	3.6	9
79	Response to Dyck et al. (2007) on polar bears and climate change in western Hudson Bay. <i>Ecological Complexity</i> , 2008 , 5, 193-201	2.6	14
78	The status of the world's land and marine mammals: diversity, threat, and knowledge. <i>Science</i> , 2008 , 322, 225-30	33.3	1012
77	Using Subpopulation Structure for Barren-Ground Grizzly Bear Management. <i>Ursus</i> , 2008 , 19, 91-104	1.4	3
76	Modelling the mating system of polar bears: a mechanistic approach to the Allee effect. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2008 , 275, 217-26	4.4	74
75	Polar bear <i>Ursus maritimus</i> conservation in Canada: an ecological basis for identifying designatable units. <i>Oryx</i> , 2008 , 42, 504	1.5	30
74	Occurrence and prevalence of <i>Clostridium perfringens</i> in polar bears from Svalbard, Norway. <i>Journal of Wildlife Diseases</i> , 2008 , 44, 155-8	1.3	12
73	Movements of two Svalbard polar bears recorded using geographical positioning system satellite transmitters. <i>Polar Biology</i> , 2008 , 31, 905-911	2	19
72	An incident of polar bear infanticide and cannibalism on Phippsøya, Svalbard. <i>Polar Record</i> , 2007 , 43, 171-173	0.5	40
71	Seasonal and annual movement patterns of polar bears on the sea ice of Hudson Bay. <i>Canadian Journal of Zoology</i> , 2006 , 84, 1281-1294	1.5	69
70	Brominated flame retardants in polar bears (<i>Ursus maritimus</i>) from Alaska, the Canadian Arctic, East Greenland, and Svalbard. <i>Environmental Science & Technology</i> , 2006 , 40, 449-55	10.3	164
69	Polar bears : proceedings of the 14th Working meeting of the IUCN/SSC Polar Bear Specialist Group, 20-24 June 2005, Seattle, Washington, USA 2006 ,		20
68	Circumpolar study of perfluoroalkyl contaminants in polar bears (<i>Ursus maritimus</i>). <i>Environmental Science & Technology</i> , 2005 , 39, 5517-23	10.3	149
67	Does high organochlorine (OC) exposure impair the resistance to infection in polar bears (<i>Ursus maritimus</i>)? Part II: Possible effect of OCs on mitogen- and antigen-induced lymphocyte proliferation. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2005 , 68, 457-84	3.2	70
66	Adaptation of the hindlimbs for climbing in bears. <i>Annals of Anatomy</i> , 2005 , 187, 153-60	2.9	40

65	Chlorinated hydrocarbon contaminants and metabolites in polar bears (<i>Ursus maritimus</i>) from Alaska, Canada, East Greenland, and Svalbard: 1996-2002. <i>Science of the Total Environment</i> , 2005 , 351-352, 369-90	10.2	99
64	Population ecology of polar bears at Svalbard, Norway. <i>Population Ecology</i> , 2005 , 47, 267-275	2.1	59
63	SEXUAL DIMORPHISM OF POLAR BEARS. <i>Journal of Mammalogy</i> , 2005 , 86, 895-901	1.8	66
62	Serologic survey for selected virus infections in polar bears at Svalbard. <i>Journal of Wildlife Diseases</i> , 2005 , 41, 310-6	1.3	46
61	Relationships between PCBs and thyroid hormones and retinol in female and male polar bears. <i>Environmental Health Perspectives</i> , 2004 , 112, 826-33	8.4	120
60	Organochlorines affect the steroid hormone cortisol in free-ranging polar bears (<i>Ursus maritimus</i>) at Svalbard, Norway. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2004 , 67, 959-77	3.2	84
59	Polar bears in a warming climate. <i>Integrative and Comparative Biology</i> , 2004 , 44, 163-76	2.8	324
58	Congener-specific accumulation and food chain transfer of polybrominated diphenyl ethers in two arctic food chains. <i>Environmental Science & Technology</i> , 2004 , 38, 1667-74	10.3	144
57	Does high organochlorine (OC) exposure impair the resistance to infection in polar bears (<i>Ursus maritimus</i>)? Part I: Effect of OCs on the humoral immunity. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2004 , 67, 555-82	3.2	93
56	Hemoglobin, pH and DPG/chloride shifting. <i>Biochimie</i> , 2004 , 86, 927-32	4.6	7
55	Reply to Comment on Grahl-Nielsen et al. (2003): sampling, data treatment and predictions in investigations on fatty acids in marine mammals. <i>Marine Ecology - Progress Series</i> , 2004 , 281, 303-306	2.6	9
54	Organochlorines affect the major androgenic hormone, testosterone, in male polar bears (<i>Ursus maritimus</i>) at Svalbard. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2003 , 66, 2119-39	3.2	102
53	Polychlorinated biphenyls and reproductive hormones in female polar bears at Svalbard. <i>Environmental Health Perspectives</i> , 2003 , 111, 431-6	8.4	95
52	Female polar bears, <i>Ursus maritimus</i> , on the Barents Sea drift ice: walking the treadmill. <i>Animal Behaviour</i> , 2003 , 66, 107-113	2.8	49
51	Contaminants in Svalbard polar bear samples archived since 1967 and possible population level effects. <i>Science of the Total Environment</i> , 2003 , 301, 163-74	10.2	81
50	Geographical distribution of organochlorine pesticides (OCPs) in polar bears (<i>Ursus maritimus</i>) in the Norwegian and Russian Arctic. <i>Science of the Total Environment</i> , 2003 , 306, 159-70	10.2	54
49	Functional responses in polar bear habitat selection. <i>Oikos</i> , 2003 , 100, 112-124	4	117
48	Space-use strategy is an important determinant of PCB concentrations in female polar bears in the Barents Sea. <i>Environmental Science & Technology</i> , 2003 , 37, 4919-24	10.3	31

47	Differences in oligosaccharide pattern of a sample of polar bear colostrum and mid-lactation milk. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2003 , 136, 887-96	2.3	18
46	Fatty acid composition of the adipose tissue of polar bears and of their prey: ringed seals, bearded seals and harp seals. <i>Marine Ecology - Progress Series</i> , 2003 , 265, 275-282	2.6	37
45	Diet composition of polar bears in Svalbard and the western Barents Sea. <i>Polar Biology</i> , 2002 , 25, 448-452		149
44	Postnatal growth in body length and mass of polar bears (<i>Ursus maritimus</i>) at Svalbard. <i>Journal of Zoology</i> , 2002 , 256, 343-349	2	120
43	Using satellite telemetry to define spatial population structure in polar bears in the Norwegian and western Russian Arctic. <i>Journal of Applied Ecology</i> , 2002 , 39, 79-90	5.8	104
42	Ecological risk assessment of persistent organic pollutants in the arctic. <i>Toxicology</i> , 2002 , 181-182, 193-744	4.4	39
41	Plasma biochemical values from apparently healthy free-ranging polar bears from Svalbard. <i>Journal of Wildlife Diseases</i> , 2002 , 38, 566-75	1.3	28
40	Polar bear hemoglobin and human Hb A0: same 2,3-diphosphoglycerate binding site but asymmetry of the binding?. <i>Hemoglobin</i> , 2002 , 26, 363-71	0.6	2
39	Geographic variation of PCB congeners in polar bears (<i>Ursus maritimus</i>) from Svalbard east to the Chukchi Sea. <i>Polar Biology</i> , 2001 , 24, 231-238	2	78
38	Body composition of three polar bear (<i>Ursus maritimus</i>) cubs found dead at Svalbard. <i>Polar Biology</i> , 2001 , 24, 383-385	2	
37	<i>Brucella</i> sp. antibodies in polar bears from Svalbard and the Barents Sea. <i>Journal of Wildlife Diseases</i> , 2001 , 37, 523-31	1.3	58
36	Space-use strategies of female polar bears in a dynamic sea ice habitat. <i>Canadian Journal of Zoology</i> , 2001 , 79, 1704-1713	1.5	117
35	Monitoring PCBs in polar bears: lessons learned from Svalbard. <i>Journal of Environmental Monitoring</i> , 2001 , 3, 493-8		48
34	Relationships between plasma levels of organochlorines, retinol and thyroid hormones from polar bears (<i>Ursus maritimus</i>) at Svalbard. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2001 , 62, 227-41	3.2	102
33	2,3-DPG-Hb complex: a hypothesis for an asymmetric binding. <i>Biophysical Chemistry</i> , 2000 , 84, 253-60	3.5	3
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31	Chemical characterization of milk oligosaccharides of the polar bear, <i>Ursus maritimus</i> . <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2000 , 1475, 395-408	4	39
30	Possible immunotoxic effects of organochlorines in polar bears (<i>Ursus maritimus</i>) at Svalbard. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2000 , 59, 561-74	3.2	74

29	Organochlorines in top predators at Svalbard--occurrence, levels and effects. <i>Toxicology Letters</i> , 2000 , 112-113, 103-9	4.4	52
28	Analysis of faecal samples from wild animals for verocytotoxin producing <i>Escherichia coli</i> and <i>E coli</i> O157. <i>Veterinary Record</i> , 1999 , 144, 646-7	0.9	10
27	Absence of trypanosomes in polar bears (<i>Ursus maritimus</i>) from Svalbard. <i>Veterinary Record</i> , 1999 , 145, 526-7	0.9	1
26	Genetic structure of the world's polar bear populations. <i>Molecular Ecology</i> , 1999 , 8, 1571-84	5.7	191
25	RINGED SEAL (<i>PHOCA HISPIDA</i>) BREEDING IN THE DRIFTING PACK ICE OF THE BARENTS SEA. <i>Marine Mammal Science</i> , 1999 , 15, 595-598	1.9	37
24	Latitudinal variation in litter size of polar bears: ecology or methodology?. <i>Polar Biology</i> , 1999 , 22, 350-356		39
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21	Maternal investment and factors affecting offspring size in polar bears (<i>Ursus maritimus</i>). <i>Journal of Zoology</i> , 1998 , 245, 253-260	2	65
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19	Geographic variation in growth of polar bears (<i>Ursus maritimus</i>) 1998 , 245, 65		3
18	Male-Biased Harvesting of Polar Bears in Western Hudson Bay. <i>Journal of Wildlife Management</i> , 1997 , 61, 1075	1.9	22
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16	Aspects of survival in juvenile polar bears. <i>Canadian Journal of Zoology</i> , 1996 , 74, 1246-1252	1.5	105
15	Temporal variation in reproduction and body mass of polar bears in western Hudson Bay. <i>Canadian Journal of Zoology</i> , 1995 , 73, 1657-1665	1.5	63
14	Estimation of Polar Bear Population Size and Survival in Western Hudson Bay. <i>Journal of Wildlife Management</i> , 1995 , 59, 215	1.9	33
13	Age-specific reproductive performance of female polar bears (<i>Ursus maritimus</i>). <i>Journal of Zoology</i> , 1994 , 234, 527-536	2	94
12	Aspects of milk composition and lactation in polar bears. <i>Canadian Journal of Zoology</i> , 1993 , 71, 561-567	1.5	91

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9	Pregnancy rates and serum progesterone levels of polar bears in western Hudson Bay. <i>Canadian Journal of Zoology</i> , 1992 , 70, 561-566	1.5	93
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