

# William Bowen

## List of Publications by Year in descending order

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65  
papers

4,944  
citations

117625

34  
h-index

118850

62  
g-index

68  
all docs

68  
docs citations

68  
times ranked

4091  
citing authors

#	ARTICLE	IF	CITATIONS
1	QUANTITATIVE FATTY ACID SIGNATURE ANALYSIS: A NEW METHOD OF ESTIMATING PREDATOR DIETS. <i>Ecological Monographs</i> , 2004, 74, 211-235.	5.4	566
2	Key Questions in Marine Megafauna Movement Ecology. <i>Trends in Ecology and Evolution</i> , 2016, 31, 463-475.	8.7	397
3	Translating Marine Animal Tracking Data into Conservation Policy and Management. <i>Trends in Ecology and Evolution</i> , 2019, 34, 459-473.	8.7	256
4	Among- and within-species variability in fatty acid signatures of marine fish and invertebrates on the Scotian Shelf, Georges Bank, and southern Gulf of St. Lawrence. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2002, 59, 886-898.	1.4	220
5	The Effect of Maternal Size and Milk Energy Output on Pup Growth in Grey Seals ( <i>Halichoerus grypus</i> ). <i>Physiological Zoology</i> , 1993, 66, 61-88.	1.5	186
6	Sex-specific, seasonal foraging tactics of adult grey seals ( <i>Halichoerus grypus</i> ) revealed by state-space analysis. <i>Ecology</i> , 2009, 90, 3209-3221.	3.2	185
7	The Evolution of Maternal Care in Pinnipeds. <i>BioScience</i> , 1996, 46, 645-654.	4.9	177
8	Sex differences in grey seal diet reflect seasonal variation in foraging behaviour and reproductive expenditure: evidence from quantitative fatty acid signature analysis. <i>Journal of Animal Ecology</i> , 2007, 76, 490-502.	2.8	166
9	Mass and Energy Transfer during Lactation in a Small Phocid, the Harbor Seal ( <i>Phoca vitulina</i> ). <i>Physiological Zoology</i> , 1992, 65, 844-866.	1.5	149
10	Variation in coyote social organization: the influence of prey size. <i>Canadian Journal of Zoology</i> , 1981, 59, 639-652.	1.0	145
11	LINKING MOVEMENT, DIVING, AND HABITAT TO FORAGING SUCCESS IN A LARGE MARINE PREDATOR. <i>Ecology</i> , 2006, 87, 3095-3108.	3.2	140
12	Variation in Milk Production and Lactation Performance in Grey Seals and Consequences for Pup Growth and Weaning Characteristics. <i>Physiological and Biochemical Zoology</i> , 1999, 72, 677-690.	1.5	134
13	Dietary effects on the fatty acid signature of whole Atlantic cod ( <i>Gadus morhua</i> ). <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 1998, 55, 1378-1386.	1.4	128
14	Effect of a Low-Fat Diet on Body Composition and Blubber Fatty Acids of Captive Juvenile Harp Seals ( <i>Phoca groenlandica</i> ). <i>Physiological and Biochemical Zoology</i> , 2000, 73, 45-59.	1.5	112
15	Home Range and Spatial Organization of Coyotes in Jasper National Park, Alberta. <i>Journal of Wildlife Management</i> , 1982, 46, 201.	1.8	105
16	Sex differences in the seasonal patterns of energy storage and expenditure in a phocid seal. <i>Journal of Animal Ecology</i> , 2003, 72, 280-291.	2.8	105
17	PINNIPED LACTATION STRATEGIES: EVALUATION OF DATA ON MATERNAL AND OFFSPRING LIFE HISTORY TRAITS. <i>Marine Mammal Science</i> , 2004, 20, 86-114.	1.8	91
18	Energy Transfer by Lactating Hooded Seals and Nutrient Deposition in Their Pups during the Four Days from Birth to Weaning. <i>Physiological Zoology</i> , 1993, 66, 412-436.	1.5	90

#	ARTICLE	IF	CITATIONS
19	Maternal and newborn life-history traits during periods of contrasting population trends: implications for explaining the decline of harbour seals ( <i>Phoca vitulina</i> ), on Sable Island. <i>Journal of Zoology</i> , 2003, 261, 155-163.	1.7	89
20	PCR primers for harbour seal ( <i>Phoca vitulina concolour</i> ) microsatellites amplify polymorphic loci in other pinniped species. <i>Molecular Ecology</i> , 1996, 5, 161-163.	3.9	85
21	CONTINUED DECLINE OF AN ATLANTIC COD POPULATION: HOW IMPORTANT IS GRAY SEAL PREDATION?. , 2006, 16, 2276-2292.		84
22	Scent marking in coyotes. <i>Canadian Journal of Zoology</i> , 1980, 58, 473-480.	1.0	83
23	The composition of hooded seal ( <i>Cystophora cristata</i> ) milk: an adaptation for postnatal fattening. <i>Canadian Journal of Zoology</i> , 1988, 66, 318-322.	1.0	83
24	Jellyfish Support High Energy Intake of Leatherback Sea Turtles ( <i>Dermochelys coriacea</i> ): Video Evidence from Animal-Borne Cameras. <i>PLoS ONE</i> , 2012, 7, e33259.	2.5	82
25	THE EVOLUTION OF LACTATION STRATEGIES IN PINNIPEDS: A PHYLOGENETIC ANALYSIS. <i>Ecological Monographs</i> , 2005, 75, 159-177.	5.4	75
26	State-dependent male mating tactics in the grey seal: the importance of body size. <i>Behavioral Ecology</i> , 2005, 16, 541-549.	2.2	64
27	Lactation Performance and Nutrient Deposition in Pups of the Harp Seal, <i>Phoca groenlandica</i> , on Ice Floes off Southeast Labrador. <i>Physiological Zoology</i> , 1996, 69, 635-657.	1.5	55
28	Behavioral signature of intraspecific competition and density dependence in colony breeding marine predators. <i>Ecology and Evolution</i> , 2013, 3, 3838-3854.	1.9	54
29	Maternal effects on offspring growth rate and weaning mass in harbour seals. <i>Canadian Journal of Zoology</i> , 2001, 79, 1088-1101.	1.0	52
30	Mating tactics and mating system of an aquatic-mating pinniped: the harbor seal, <i>Phoca vitulina</i> . <i>Behavioral Ecology and Sociobiology</i> , 2006, 61, 119-130.	1.4	52
31	Body Condition at Weaning Affects the Duration of the Postweaning Fast in Gray Seal Pups ( <i>Halichoerus grypus</i> ). <i>Physiological and Biochemical Zoology</i> , 2008, 81, 269-277.	1.5	52
32	Blubber fatty acids of gray seals reveal sex differences in the diet of a size-dimorphic marine carnivore. <i>Canadian Journal of Zoology</i> , 2005, 83, 377-388.	1.0	47
33	Temporal Changes in the Reproductive Potential of Female Harp Seals ( <i>Pagophilus</i> )	1.4	44
34	Sex differences in diving at multiple temporal scales in a size-dimorphic capital breeder. <i>Journal of Animal Ecology</i> , 2003, 72, 979-993.	2.8	42
35	The prenatal molt and its ecological significance in hooded and harbor seals. <i>Canadian Journal of Zoology</i> , 1991, 69, 2489-2493.	1.0	37
36	Metabolic compensation during high energy output in fasting, lactating grey seals ( <i>Halichoerus</i> )	2.6	34

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37	MATERNAL EFFECTS ON OFFSPRING MASS AND STAGE OF DEVELOPMENT AT BIRTH IN THE HARBOR SEAL, <i>PHOCA VITULINA</i> . Journal of Mammalogy, 2000, 81, 1143-1156.	1.3	31
38	Primiparous and multiparous females differ in mammary gland alveolar development: implications for milk production. Journal of Experimental Biology, 2012, 215, 2904-2911.	1.7	31
39	Animal-Borne Acoustic Transceivers Reveal Patterns of at-Sea Associations in an Upper-Trophic Level Predator. PLoS ONE, 2012, 7, e48962.	2.5	31
40	EFFECTS OF MEAL SIZE ON OTOLITH RECOVERY FROM FECAL SAMPLES OF GRAY AND HARBOR SEAL PUPS. Marine Mammal Science, 1998, 14, 789-802.	1.8	29
41	Bioelectrical impedance analysis as a means of estimating total body water in grey seals. Canadian Journal of Zoology, 1999, 77, 418-422.	1.0	25
42	The implications of stress on male mating behavior and success in a sexually dimorphic polygynous mammal, the grey seal. Hormones and Behavior, 2008, 53, 241-248.	2.1	25
43	Testing predictions of optimal diving theory using animal-borne video from harbour seals ( <i>Phoca</i> ) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 307 Td (gro	1.0	25
44	Population Dynamics and Management of the Northwest Atlantic Harp Seal ( <i>Phoca groenlandica</i> ). Canadian Journal of Fisheries and Aquatic Sciences, 1983, 40, 919-932.	1.4	24
45	The Influence of Reproductive Experience on Milk Energy Output and Lactation Performance in the Grey Seal ( <i>Halichoerus grypus</i> ). PLoS ONE, 2011, 6, e19487.	2.5	22
46	Repeatability and reproductive consequences of boldness in female gray seals. Behavioral Ecology and Sociobiology, 2018, 72, 1.	1.4	22
47	Intrinsic and extrinsic sources of variation in the diets of harp and hooded seals revealed by fatty acid profiles. Canadian Journal of Zoology, 2009, 87, 139-151.	1.0	19
48	Further Analysis of Population Trends in the Northwest Atlantic Harp Seal ( <i>Phoca</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 307 Td (gro 553-564.	1.4	18
49	The recovery of Atlantic halibut: a large, long-lived, and exploited marine predator. ICES Journal of Marine Science, 2016, 73, 1104-1114.	2.5	17
50	Behavioural differences among adult male harbour seals during the breeding season may provide evidence of reproductive strategies. Canadian Journal of Zoology, 1993, 71, 1585-1591.	1.0	16
51	Genomic signatures of population bottleneck and recovery in Northwest Atlantic pinnipeds. Ecology and Evolution, 2018, 8, 6599-6614.	1.9	16
52	Contrasting trends in gray seal ( <i>Halichoerus grypus</i> ) pup production throughout the increasing northwest Atlantic metapopulation. Marine Mammal Science, 2021, 37, 611-630.	1.8	16
53	Genetic diversity from pre-bottleneck to recovery in two sympatric pinniped species in the Northwest Atlantic. Conservation Genetics, 2018, 19, 555-569.	1.5	15
54	Does male harassment of females contribute to reproductive synchrony in the grey seal by affecting maternal performance?. Behavioral Ecology and Sociobiology, 1995, 36, 1-10.	1.4	15

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55	Diving behaviour during the breeding season in the terrestrially breeding male grey seal: implications for alternative mating tactics. <i>Canadian Journal of Zoology</i> , 2003, 81, 1025-1033.	1.0	11
56	ESTIMATION OF TOTAL BODY WATER IN HARBOR SEALS: HOW USEFUL IS BIOELECTRICAL IMPEDANCE ANALYSIS?. <i>Marine Mammal Science</i> , 1998, 14, 765-777.	1.8	10
57	Variation in individual reproductive performance amplified with population size in a long-lived carnivore. <i>Ecology</i> , 2020, 101, e03024.	3.2	10
58	Exploring causal components of plasticity in grey seal birthdates: Effects of intrinsic traits, demography, and climate. <i>Ecology and Evolution</i> , 2020, 10, 11507-11522.	1.9	7
59	Fueling phocids: Divergent exploitation of primary energy sources and parallel ontogenetic diet switches among three species of subarctic seals. <i>Marine Mammal Science</i> , 2013, 29, E428.	1.8	5
60	A novel approach to quantifying the spatiotemporal behavior of instrumented grey seals used to sample the environment. <i>Movement Ecology</i> , 2015, 3, 20.	2.8	5
61	<i>Pinniped Ecology</i> . , 2018, , 705-712.		4
62	Genetic association with boldness and maternal performance in a free-ranging population of grey seals ( <i>Halichoerus grypus</i> ). <i>Heredity</i> , 2021, 127, 35-51.	2.6	4
63	Birth-site habitat selection in gray seals ( <i>Halichoerus grypus</i> ): Effects of maternal age and parity and association with offspring weaning mass. <i>Marine Mammal Science</i> , 2022, 38, 349-363.	1.8	4
64	Maternal Effects on Offspring Mass and Stage of Development at Birth in the Harbor Seal, <i>Phoca vitulina</i> . , 0, .		1
65	Sequence Diversity and Differences at the Highly Duplicated MHC-I Gene Reflect Viral Susceptibility in Sympatric Pinniped Species. <i>Journal of Heredity</i> , 2022, 113, 525-537.	2.4	1