William Bowen

List of Publications by Year in descending order

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Version: 2024-02-01

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	Birthâ€site habitat selection in gray seals (<scp>Halichoerus grypus</scp>): Effects of maternal age and parity and association with offspring weaning mass. Marine Mammal Science, 2022, 38, 349-363.	1.8	4
2	Sequence Diversity and Differences at the Highly Duplicated MHC-I Gene Reflect Viral Susceptibility in Sympatric Pinniped Species. Journal of Heredity, 2022, 113, 525-537.	2.4	1
3	Genetic association with boldness and maternal performance in a free-ranging population of grey seals (Halichoerus grypus). Heredity, 2021, 127, 35-51.	2.6	4
4	Contrasting trends in gray seal (Halichoerus grypus) pup production throughout the increasing northwest Atlantic metapopulation. Marine Mammal Science, 2021, 37, 611-630.	1.8	16
5	Exploring causal components of plasticity in grey seal birthdates: Effects of intrinsic traits, demography, and climate. Ecology and Evolution, 2020, 10, 11507-11522.	1.9	7
6	Variation in individual reproductive performance amplified with population size in a longâ€lived carnivore. Ecology, 2020, 101, e03024.	3.2	10
7	Translating Marine Animal Tracking Data into Conservation Policy and Management. Trends in Ecology and Evolution, 2019, 34, 459-473.	8.7	256
8	Pinniped Ecology. , 2018, , 705-712.		4
9	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
10	Repeatability and reproductive consequences of boldness in female gray seals. Behavioral Ecology and Sociobiology, 2018, 72, 1.	1.4	22
11	Genomic signatures of population bottleneck and recovery in Northwest Atlantic pinnipeds. Ecology and Evolution, 2018, 8, 6599-6614.	1.9	16
12	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
13	Key Questions in Marine Megafauna Movement Ecology. Trends in Ecology and Evolution, 2016, 31, 463-475.	8.7	397
14	A novel approach to quantifying the spatiotemporal behavior of instrumented grey seals used to sample the environment. Movement Ecology, 2015, 3, 20.	2.8	5
15	Testing predictions of optimal diving theory using animal-borne video from harbour seals (Phoca) Tj ETQq1 1 0.784314 rgBT /Over	1.0	25
16	Fueling phocids: Divergent exploitation of primary energy sources and parallel ontogenetic diet switches among three species of subarctic seals. Marine Mammal Science, 2013, 29, E428.	1.8	5
17	Behavioral signature of intraspecific competition and density dependence in colonyâ€breeding marine predators. Ecology and Evolution, 2013, 3, 3838-3854.	1.9	54
18	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

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19	Jellyfish Support High Energy Intake of Leatherback Sea Turtles (Dermochelys coriacea): Video Evidence from Animal-Borne Cameras. PLoS ONE, 2012, 7, e33259.	2.5	82
20	Animal-Borne Acoustic Transceivers Reveal Patterns of at-Sea Associations in an Upper-Trophic Level Predator. PLoS ONE, 2012, 7, e48962.	2.5	31
21	The Influence of Reproductive Experience on Milk Energy Output and Lactation Performance in the Grey Seal (Halichoerus grypus). PLoS ONE, 2011, 6, e19487.	2.5	22
22	Sexâ€specific, seasonal foraging tactics of adult grey seals (Halichoerus grypus) revealed by stateâ€“space analysis. Ecology, 2009, 90, 3209-3221.	3.2	185
23	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
24	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
25	Body Condition at Weaning Affects the Duration of the Postweaning Fast in Gray Seal Pups (Halichoerus grypus). Physiological and Biochemical Zoology, 2008, 81, 269-277.	1.5	52
26	Sex differences in grey seal diet reflect seasonal variation in foraging behaviour and reproductive expenditure: evidence from quantitative fatty acid signature analysis. Journal of Animal Ecology, 2007, 76, 490-502.	2.8	166
27	LINKING MOVEMENT, DIVING, AND HABITAT TO FORAGING SUCCESS IN A LARGE MARINE PREDATOR. Ecology, 2006, 87, 3095-3108.	3.2	140
28	CONTINUED DECLINE OF AN ATLANTIC COD POPULATION: HOW IMPORTANT IS GRAY SEAL PREDATION?. , 2006, 16, 2276-2292.		84
29	Mating tactics and mating system of an aquatic-mating pinniped: the harbor seal, Phoca vitulina. Behavioral Ecology and Sociobiology, 2006, 61, 119-130.	1.4	52
30	State-dependent male mating tactics in the grey seal: the importance of body size. Behavioral Ecology, 2005, 16, 541-549.	2.2	64
31	Blubber fatty acids of gray seals reveal sex differences in the diet of a size-dimorphic marine carnivore. Canadian Journal of Zoology, 2005, 83, 377-388.	1.0	47
32	THE EVOLUTION OF LACTATION STRATEGIES IN PINNIPEDS: A PHYLOGENETIC ANALYSIS. Ecological Monographs, 2005, 75, 159-177.	5.4	75
33	PINNIPED LACTATION STRATEGIES: EVALUATION OF DATA ON MATERNAL AND OFFSPRING LIFE HISTORY TRAITS. Marine Mammal Science, 2004, 20, 86-114.	1.8	91
34	QUANTITATIVE FATTY ACID SIGNATURE ANALYSIS: A NEW METHOD OF ESTIMATING PREDATOR DIETS. Ecological Monographs, 2004, 74, 211-235.	5.4	566
35	Maternal and newborn life-history traits during periods of contrasting population trends: implications for explaining the decline of harbour seals (Phoca vitulina), on Sable Island. Journal of Zoology, 2003, 261, 155-163.	1.7	89
36	Sex differences in the seasonal patterns of energy storage and expenditure in a phocid seal. Journal of Animal Ecology, 2003, 72, 280-291.	2.8	105

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37	Sex differences in diving at multiple temporal scales in a size-dimorphic capital breeder. Journal of Animal Ecology, 2003, 72, 979-993.	2.8	42
38	Diving behaviour during the breeding season in the terrestrially breeding male grey seal: implications for alternative mating tactics. Canadian Journal of Zoology, 2003, 81, 1025-1033.	1.0	11
39	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. Canadian Journal of Fisheries and Aquatic Sciences, 2002, 59, 886-898.	1.4	220
40	Maternal effects on offspring growth rate and weaning mass in harbour seals. Canadian Journal of Zoology, 2001, 79, 1088-1101.	1.0	52
41	Effect of a Lowâ€Fat Diet on Body Composition and Blubber Fatty Acids of Captive Juvenile Harp Seals (Phoca groenlandica). Physiological and Biochemical Zoology, 2000, 73, 45-59.	1.5	112
42	Metabolic compensation during high energy output in fasting, lactating grey seals (Halichoerus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 54 267, 1245-1251.	2.6	34
43	MATERNAL EFFECTS ON OFFSPRING MASS AND STAGE OF DEVELOPMENT AT BIRTH IN THE HARBOR SEAL,PHOCA VITULINA. Journal of Mammalogy, 2000, 81, 1143-1156.	1.3	31
44	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
45	Variation in Milk Production and Lactation Performance in Grey Seals and Consequences for Pup Growth and Weaning Characteristics. Physiological and Biochemical Zoology, 1999, 72, 677-690.	1.5	134
46	ESTIMATION OF TOTAL BODY WATER IN HARBOR SEALS: HOW USEFUL IS BIOELECTRICAL IMPEDANCE ANALYSIS?. Marine Mammal Science, 1998, 14, 765-777.	1.8	10
47	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
48	Dietary effects on the fatty acid signature of whole Atlantic cod (Gadus morhua). Canadian Journal of Fisheries and Aquatic Sciences, 1998, 55, 1378-1386.	1.4	128
49	The Evolution of Maternal Care in Pinnipeds. BioScience, 1996, 46, 645-654.	4.9	177
50	PCR primers for harbour seal (Phoca vitulina concolour) microsatellites amplify polymorphic loci in other pinniped species. Molecular Ecology, 1996, 5, 161-163.	3.9	85
51	Lactation Performance and Nutrient Deposition in Pups of the Harp Seal, Phoca groenlandica, on Ice Floes off Southeast Labrador. Physiological Zoology, 1996, 69, 635-657.	1.5	55
52	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
53	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
54	The Effect of Maternal Size and Milk Energy Output on Pup Growth in Grey Seals (Halichoerus grypus). Physiological Zoology, 1993, 66, 61-88.	1.5	186

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55	Energy Transfer by Lactating Hooded Seals and Nutrient Deposition in Their Pups during the Four Days from Birth to Weaning. Physiological Zoology, 1993, 66, 412-436.	1.5	90
56	Mass and Energy Transfer during Lactation in a Small Phocid, the Harbor Seal (Phoca vitulina). Physiological Zoology, 1992, 65, 844-866.	1.5	149
57	The prenatal molt and its ecological significance in hooded and harbor seals. Canadian Journal of Zoology, 1991, 69, 2489-2493.	1.0	37
58	The composition of hooded seal (Cystophora cristata) milk: an adaptation for postnatal fattening. Canadian Journal of Zoology, 1988, 66, 318-322.	1.0	83
59	Further Analysis of Population Trends in the Northwest Atlantic Harp Seal (<i>Phoca) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 58 553-564.	1.4	18
60	Population Dynamics and Management of the Northwest Atlantic Harp Seal (Phoca groenlandica). Canadian Journal of Fisheries and Aquatic Sciences, 1983, 40, 919-932.	1.4	24
61	Home Range and Spatial Organization of Coyotes in Jasper National Park, Alberta. Journal of Wildlife Management, 1982, 46, 201.	1.8	105
62	Variation in coyote social organization: the influence of prey size. Canadian Journal of Zoology, 1981, 59, 639-652.	1.0	145
63	Temporal Changes in the Reproductive Potential of Female Harp Seals (<i>Pagophilus) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50	1.4	44
64	Scent marking in coyotes. Canadian Journal of Zoology, 1980, 58, 473-480.	1.0	83
65	Maternal Effects on Offspring Mass and Stage of Development at Birth in the Harbor Seal, Phoca Vitulina. , 0, .		1