

Sara J Iverson

List of Publications by Year in descending order

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96
papers

8,038
citations

71102

41
h-index

51608

86
g-index

97
all docs

97
docs citations

97
times ranked

6425
citing authors

#	ARTICLE	IF	CITATIONS
1	Validation of quantitative fatty acid signature analysis for estimating the diet composition of free-ranging killer whales. <i>Scientific Reports</i> , 2022, 12, 7938.	3.3	4
2	A case for restoring unity between biotelemetry and bio-logging to enhance animal tracking research. <i>Facets</i> , 2021, 6, 1260-1265.	2.4	4
3	Variability of Lipids and Fatty Acids in Pacific Walrus Blubber. <i>Frontiers in Marine Science</i> , 2021, 8, .	2.5	1
4	Individual and population dietary specialization decline in fin whales during a period of ecosystem shift. <i>Scientific Reports</i> , 2021, 11, 17181.	3.3	9
5	A practical method to account for variation in detection range in acoustic telemetry arrays to accurately quantify the spatial ecology of aquatic animals. <i>Methods in Ecology and Evolution</i> , 2020, 11, 82-94.	5.2	32
6	Seasonal occupancy and connectivity amongst nearshore flats and reef habitats by permit <i>Trachinotus falcatus</i> : considerations for fisheries management. <i>Journal of Fish Biology</i> , 2020, 96, 469-479.	1.6	12
7	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
8	A Novel Framework to Protect Animal Data in a World of Ecosurveillance. <i>BioScience</i> , 2020, 70, 468-476.	4.9	22
9	Animal-Borne Telemetry: An Integral Component of the Ocean Observing Toolkit. <i>Frontiers in Marine Science</i> , 2019, 6, .	2.5	127
10	The Ocean Tracking Network: Advancing frontiers in aquatic science and management. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2019, 76, 1041-1051.	1.4	28
11	Blubber. , 2018, , 107-110.		16
12	Egg size is independent of variation in pre-breeding feather corticosterone in Cassinâ€™s auklets during favorable oceanographic conditions. <i>General and Comparative Endocrinology</i> , 2018, 268, 64-70.	1.8	1
13	Temporal complexity of southern <i>Balaenoptera acronotus</i> and <i>Selenicete</i> polar bear diets during a period of increasing land use. <i>Ecosphere</i> , 2017, 8, e01633.	2.2	41
14	Envisioning the Future of Aquatic Animal Tracking: Technology, Science, and Application. <i>BioScience</i> , 2017, 67, 884-896.	4.9	108
15	Offspring size at weaning affects survival to recruitment and reproductive performance of primiparous gray seals. <i>Ecology and Evolution</i> , 2015, 5, 1412-1424.	1.9	53
16	Age estimation of belugas, <i>Delphinapterus leucas</i> , using fatty acid composition: A promising method. <i>Marine Mammal Science</i> , 2015, 31, 944-962.	1.8	13
17	Aquatic animal telemetry: A panoramic window into the underwater world. <i>Science</i> , 2015, 348, 1255642.	12.6	1,038
18	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

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19	Local contamination, and not feeding preferences, explains elevated PCB concentrations in Labrador ringed seals (<i>Pusa hispida</i>). <i>Science of the Total Environment</i> , 2015, 515-516, 188-197.	8.0	15
20	Diet of yellow-billed loons (<i>Gavia adamsii</i>) in Arctic lakes during the nesting season inferred from fatty acid analysis. <i>Polar Biology</i> , 2015, 38, 1239-1247.	1.2	26
21	Probability of Detecting Marine Predator-Prey and Species Interactions Using Novel Hybrid Acoustic Transmitter-Receiver Tags. <i>PLoS ONE</i> , 2014, 9, e98117.	2.5	10
22	Transmitting species-interaction data from animal-borne transceivers through Service Argos using Bluetooth communication. <i>Methods in Ecology and Evolution</i> , 2014, 5, 864-871.	5.2	11
23	Testing predictions of optimal diving theory using animal-borne video from harbour seals (<i>Phoca</i>)	1.0	25
24	Egg yolk fatty acids as a proxy to quantify diets of female Spectacled Eiders (<i>Somateria</i>)	1.0	542
25	A Canadian contribution to an integrated Atlantic ocean observing system (IAOOS)., 2014, , .		3
26	Validation of adipose lipid content as a body condition index for polar bears. <i>Ecology and Evolution</i> , 2014, 4, 516-527.	1.9	35
27	Testing for a change in diet using fatty acid signatures. <i>Environmental and Ecological Statistics</i> , 2014, 21, 775-792.	3.5	13
28	The Sun, Moon, Wind, and Biological Imperative—Shaping Contrasting Wintertime Migration and Foraging Strategies of Adult Male and Female Northern Fur Seals (<i>Callorhinus ursinus</i>). <i>PLoS ONE</i> , 2014, 9, e93068.	2.5	27
29	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
30	Characterization of blubber fatty acid signatures in northern elephant seals (<i>Mirounga</i>) Systemic, and Environmental Physiology, 2013, 183, 1065-1074.	1.5	8
31	Global change effects on the long-term feeding ecology and contaminant exposures of Greenland polar bears. <i>Global Change Biology</i> , 2013, 19, 2360-2372.	9.5	147
32	Primiparous and multiparous females differ in mammary gland alveolar development: implications for milk production. <i>Journal of Experimental Biology</i> , 2012, 215, 2904-2911.	1.7	31
33	Estimating the carrying capacity of French Frigate Shoals for the endangered Hawaiian monk seal using Ecopath with Ecosim. <i>Marine Mammal Science</i> , 2012, 28, 522-541.	1.8	11
34	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
35	Animal-Borne Acoustic Transceivers Reveal Patterns of at-Sea Associations in an Upper-Trophic Level Predator. <i>PLoS ONE</i> , 2012, 7, e48962.	2.5	31
36	The Influence of Reproductive Experience on Milk Energy Output and Lactation Performance in the Grey Seal (<i>Halichoerus grypus</i>). <i>PLoS ONE</i> , 2011, 6, e19487.	2.5	22

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37	Ocean Tracking Network Canada: A Network Approach to Addressing Critical Issues in Fisheries and Resource Management with Implications for Ocean Governance. <i>Fisheries</i> , 2011, 36, 583-592.	0.8	83
38	Individual patterns of prey selection and dietary specialization in an Arctic marine carnivore. <i>Oikos</i> , 2011, 120, 1469-1478.	2.7	52
39	Validating quantitative fatty acid signature analysis to estimate diets of spectacled and Steller's eiders (<i>Somateria fischeri</i> and <i>Polysticta stelleri</i>). <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2010, 180, 125-139.	1.5	48
40	The effects of diet and caloric restriction on adipose tissue fatty acid signatures of tufted puffin (<i>Fratercula cirrhata</i>) nestlings. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2009, 179, 711-720.	1.5	19
41	Blubber. , 2009, , 115-120.		25
42	Intrinsic and extrinsic sources of variation in the diets of harp and hooded seals revealed by fatty acid profiles. <i>Canadian Journal of Zoology</i> , 2009, 87, 139-151.	1.0	19
43	Tracing aquatic food webs using fatty acids: from qualitative indicators to quantitative determination. , 2009, , 281-308.		155
44	Tracing carbon flow in an arctic marine food web using fatty acid-stable isotope analysis. <i>Oecologia</i> , 2008, 157, 117-129.	2.0	182
45	Variation in blubber fatty acid composition among marine mammals in the Canadian Arctic. <i>Marine Mammal Science</i> , 2008, 24, 91-111.	1.8	55
46	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
47	POLAR BEAR DIETS AND ARCTIC MARINE FOOD WEBS: INSIGHTS FROM FATTY ACID ANALYSIS. <i>Ecological Monographs</i> , 2008, 78, 591-613.	5.4	287
48	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
49	VARIABILITY IN THE BLUBBER FATTY ACID COMPOSITION OF RINGED SEALS (<i>PHOCA HISPIDA</i>) ACROSS THE CANADIAN ARCTIC. <i>Marine Mammal Science</i> , 2007, 23, 241-261.	1.8	72
50	Fatty acid signatures of stomach oil and adipose tissue of northern fulmars (<i>Fulmarus glacialis</i>) in Alaska: implications for diet analysis of Procellariiform birds. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2007, 177, 893-903.	1.5	36
51	Seabirds as indicators of food web structure and ecosystem variability: qualitative and quantitative diet analyses using fatty acids. <i>Marine Ecology - Progress Series</i> , 2007, 352, 235-244.	1.9	113
52	LINKING MOVEMENT, DIVING, AND HABITAT TO FORAGING SUCCESS IN A LARGE MARINE PREDATOR. <i>Ecology</i> , 2006, 87, 3095-3108.	3.2	140
53	STUDYING TROPHIC ECOLOGY IN MARINE ECOSYSTEMS USING FATTY ACIDS: A PRIMER ON ANALYSIS AND INTERPRETATION. <i>Marine Mammal Science</i> , 2006, 22, 759-801.	1.8	503
54	Metabolism of Dietary Cetoleic Acid (22:1n-1) in Mink (<i>Mustela vison</i>) and Gray Seals (<i>Halichoerus</i>) <i>Tj ETQq0 0 0 rgBT /Overlock 10 T</i> 820-829.	1.5	34

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55	Dynamics of blood chylomicron fatty acids in a marine carnivore: implications for lipid metabolism and quantitative estimation of predator diets. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2005, 175, 133-145.	1.5	35
56	Development of the Blood and Muscle Oxygen Stores in Gray Seals (<i>Halichoerus grypus</i>): Implications for Juvenile Diving Capacity and the Necessity of a Terrestrial Postweaning Fast. <i>Physiological and Biochemical Zoology</i> , 2005, 78, 482-490.	1.5	96
57	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
58	Demonstration of the Deposition and Modification of Dietary Fatty Acids in Pinniped Blubber Using Radiolabelled Precursors. <i>Physiological and Biochemical Zoology</i> , 2004, 77, 682-687.	1.5	43
59	DETERMINING BLUBBER FATTY ACID COMPOSITION: A COMPARISON OF IN SITU DIRECT AND TRADITIONAL METHODS. <i>Marine Mammal Science</i> , 2004, 20, 284-295.	1.8	26
60	QUANTITATIVE FATTY ACID SIGNATURE ANALYSIS: A NEW METHOD OF ESTIMATING PREDATOR DIETS. <i>Ecological Monographs</i> , 2004, 74, 211-235.	5.4	566
61	Sex differences in the diving behaviour of a size-dimorphic capital breeder: the grey seal. <i>Animal Behaviour</i> , 2003, 66, 777-789.	1.9	103
62	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
63	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
64	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
65	Quantitative analysis of fatty acid precursors in marine samples. <i>Journal of Lipid Research</i> , 2003, 44, 1802-1807.	4.2	26
66	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
67	Fat content and fatty acid composition of forage fish and invertebrates in Prince William Sound, Alaska: factors contributing to among and within species variability. <i>Marine Ecology - Progress Series</i> , 2002, 241, 161-181.	1.9	184
68	Diet of northern bottlenose whales inferred from fatty-acid and stable-isotope analyses of biopsy samples. <i>Canadian Journal of Zoology</i> , 2001, 79, 1442-1454.	1.0	124
69	Comparison of the bligh and dyer and folch methods for total lipid determination in a broad range of marine tissue. <i>Lipids</i> , 2001, 36, 1283-1287.	1.7	585
70	Interspecific and Intraspecific Variation in Proximate, Mineral, and Fatty Acid Composition of Milk in Old World Fruit Bats (Chiroptera: Pteropodidae). <i>Physiological and Biochemical Zoology</i> , 2001, 74, 134-146.	1.5	16
71	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
72	Long term diet differences between morphs in trophically polymorphic <i>Percichthys trucha</i> (Pisces:). <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 00</i> 69, 599-616.	1.6	34

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73	Body composition in mink (<i>Mustela vison</i>) kits during 21–42 days postpartum using estimates of hydrogen isotope dilution and direct carcass analysis. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2000, 126, 295-303.	1.8	8
74	A comparison of the composition of milks from Meishan and crossbred pigs. <i>Livestock Science</i> , 2000, 63, 85-91.	1.2	22
75	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
76	Metabolic compensation during high energy output in fasting, lactating grey seals (<i>Halichoerus</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 6. <i>Journal of Mammalogy</i> , 2000, 81, 1245-1251.	2.6	34
77	MATERNAL EFFECTS ON OFFSPRING MASS AND STAGE OF DEVELOPMENT AT BIRTH IN THE HARBOR SEAL, <i>PHOCA VITULINA</i> . <i>Journal of Mammalogy</i> , 2000, 81, 1143-1156.	1.3	31
78	Bioelectrical impedance analysis as a means of estimating total body water in grey seals. <i>Canadian Journal of Zoology</i> , 1999, 77, 418-422.	1.0	25
79	Reply: Fatty acid signatures and classification trees: new tools for investigating the foraging ecology of seals. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 1999, 56, 2224-2226.	1.4	8
80	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
81	Fatty acid signatures and classification trees: new tools for investigating the foraging ecology of seals. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 1997, 54, 1377-1386.	1.4	66
82	Balancing foraging and reproduction in the male harbour seal, an aquatically mating pinniped. <i>Animal Behaviour</i> , 1997, 54, 663-678.	1.9	70
83	Fatty acid signatures reveal fine scale structure of foraging distribution of harbor seals and their prey in Prince William Sound, Alaska. <i>Marine Ecology - Progress Series</i> , 1997, 151, 255-271.	1.9	220
84	Stratification and age-related differences in blubber fatty acids of the male harbour porpoise (<i>Phocoena phocoena</i>). <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 1996, 165, 628-639.	1.5	150
85	Does male harassment of females contribute to reproductive synchrony in the grey seal by affecting maternal performance?. <i>Behavioral Ecology and Sociobiology</i> , 1995, 36, 1-10.	1.4	79
86	Comparative Analysis of Nonhuman Milks. , 1995, , 749-789.		108
87	Philogenetic and Ecological Variation in the Fatty Acid Composition of Milks. , 1995, , 789-827.		19
88	Milk Lipids and Neonatal Fat Digestion: Relationship between Fatty Acid Composition, Endogenous and Exogenous Digestive Enzymes and Digestion of Milk Fat. <i>World Review of Nutrition and Dietetics</i> , 1994, 75, 86-91.	0.3	19
89	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
90	Influence of storms and maternal size on mother-pup separations and fostering in the harbor seal, <i>Phoca vitulina</i> . <i>Canadian Journal of Zoology</i> , 1992, 70, 1640-1644.	1.0	40

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91	Positional specificity of gastric hydrolysis of long-chain nâ~3 polyunsaturated fatty acids of seal milk triglycerides. <i>Lipids</i> , 1992, 27, 870-878.	1.7	56
92	Fatty acid composition of black bear (<i>Ursus americanus</i>) milk during and after the period of winter dormancy. <i>Lipids</i> , 1992, 27, 940-943.	1.7	23
93	Milk lipid digestion in the neonatal dog: the combined actions of gastric and bile salt stimulated lipases. <i>Lipids and Lipid Metabolism</i> , 1991, 1083, 109-119.	2.6	59
94	Lipase and Pepsin Activities in the Stomach Mucosa of the Suckling Dog. <i>Neonatology</i> , 1991, 59, 78-85.	2.0	9
95	Milk and Energy Intakes of Suckling California Sea Lion <i>Zalophus californianus</i> Pups in Relation to Sex, Growth, and Predicted Maintenance Requirements. <i>Physiological Zoology</i> , 1987, 60, 560-575.	1.5	101
96	Maternal Effects on Offspring Mass and Stage of Development at Birth in the Harbor Seal, <i>Phoca Vitulina</i> . , 0, .		1