

Daniel E Crocker

List of Publications by Year in descending order

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Version: 2024-02-01

167
papers

4,308
citations

109321

35
h-index

155660

55
g-index

172
all docs

172
docs citations

172
times ranked

3117
citing authors

#	ARTICLE	IF	CITATIONS
1	Trade-offs between foraging reward and mortality risk drive sex-specific foraging strategies in sexually dimorphic northern elephant seals. <i>Royal Society Open Science</i> , 2022, 9, 210522.	2.4	17
2	Physiological Capacity and Constraint Impact Behavioral Phenotype in Phocid Seals. <i>Ethology and Behavioral Ecology of Marine Mammals</i> , 2022, , 101-126.	0.9	1
3	Elephant seals time their long-distance migrations using a map sense. <i>Current Biology</i> , 2022, 32, R156-R157.	3.9	9
4	Changes in apolipoprotein abundance dominate proteome responses to prolonged fasting in elephant seals. <i>Journal of Experimental Biology</i> , 2022, 225, .	1.7	3
5	Blood oxygen stores of olive ridley sea turtles, <i>Lepidochelys olivacea</i> are highly variable among individuals during arribada nesting. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2021, 191, 185-194.	1.5	6
6	Lightscares of fear: How mesopredators balance starvation and predation in the open ocean. <i>Science Advances</i> , 2021, 7, .	10.3	27
7	Exogenous GLP-1 stimulates TCA cycle and suppresses gluconeogenesis and ketogenesis in late-fasted northern elephant seals pups. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2021, 320, R393-R403.	1.8	2
8	Thyroid-Stimulating Hormone Stimulation Tests in the Bottlenose Dolphin (<i>Tursiops truncatus</i>). <i>Journal of Zoological and Botanical Gardens</i> , 2021, 2, 265-272.	1.8	0
9	Hormone-mediated foraging strategies in an uncertain environment: Insights into the at-sea behavior of a marine predator. <i>Ecology and Evolution</i> , 2021, 11, 7579-7590.	1.9	3
10	Changes in serum adipokines during natural extended fasts in female northern elephant seals. <i>General and Comparative Endocrinology</i> , 2021, 308, 113760.	1.8	3
11	Elephant seal muscle cells adapt to sustained glucocorticoid exposure by shifting their metabolic phenotype. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2021, 321, R413-R428.	1.8	7
12	Repeated stimulation of the HPA axis alters white blood cell count without increasing oxidative stress or inflammatory cytokines in fasting elephant seal pups. <i>Journal of Experimental Biology</i> , 2021, 224, .	1.7	2
13	Oxylin responses to fasting and insulin infusion in a large mammalian model of fasting-induced insulin resistance, the northern elephant seal. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2021, 321, R537-R546.	1.8	0
14	Developmental conditions promote individual differentiation of endocrine axes and behavior in a tropical pinniped. <i>Oecologia</i> , 2021, 195, 25-35.	2.0	3
15	Ontogeny of Carbon Monoxide-Related Gene Expression in a Deep-Diving Marine Mammal. <i>Frontiers in Physiology</i> , 2021, 12, 762102.	2.8	5
16	Density-dependent effects on reproductive output in a capital breeding carnivore, the northern elephant seal (<i>Mirounga angustirostris</i>). <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2021, 288, 20211258.	2.6	7
17	Antioxidant response to cadmium exposure in primary skeletal muscle cells isolated from humans and elephant seals. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2020, 227, 108641.	2.6	1
18	Blubber proteome response to repeated ACTH administration in a wild marine mammal. <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , 2020, 33, 100644.	1.0	6

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19	Measurement of free glucocorticoids: quantifying corticosteroid binding capacity and its variation within and among mammal and bird species. , 2020, 8, coaa057.		3
20	A blubber gene expression index for evaluating stress in marine mammals. , 2020, 8, coaa082.		10
21	In vitro Lipolysis and Leptin Production of Elephant Seal Blubber Using Precision-Cut Adipose Tissue Slices. <i>Frontiers in Physiology</i> , 2020, 11, 615784.	2.8	3
22	Similar foraging energetics of two sympatric albatrosses despite contrasting life histories and wind-mediated foraging strategies. <i>Journal of Experimental Biology</i> , 2020, 223, .	1.7	2
23	Endocrine response to simulated U.S. Navy mid-frequency sonar exposures in the bottlenose dolphin (<i>Tursiops truncatus</i>). <i>Journal of the Acoustical Society of America</i> , 2020, 147, 1681-1687.	1.1	4
24	Behaviorally measured tactile sensitivity in the common bottlenose dolphin, <i>Tursiops truncatus</i> . <i>Marine Mammal Science</i> , 2020, 36, 802-812.	1.8	4
25	Projected shifts in the foraging habitat of crabeater seals along the Antarctic Peninsula. <i>Nature Climate Change</i> , 2020, 10, 472-477.	18.8	40
26	Response to capture stress involves multiple corticosteroids and is associated with serum thyroid hormone concentrations in Guadalupe fur seals (<i>Arctocephalus philippii townsendi</i>). <i>Marine Mammal Science</i> , 2019, 35, 72-92.	1.8	11
27	Expression of obesity-related adipokine genes during fasting in a naturally obese marine mammal. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2019, 317, R521-R529.	1.8	8
28	Best practice recommendations for the use of external telemetry devices on pinnipeds. <i>Animal Biotelemetry</i> , 2019, 7, .	1.9	22
29	Variation in Corticosterone Levels in Two Species of Breeding Albatrosses with Divergent Life Histories: Responses to Body Condition and Drivers of Foraging Behavior. <i>Physiological and Biochemical Zoology</i> , 2019, 92, 223-238.	1.5	7
30	Climate variability and life history impact stress, thyroid, and immune markers in California sea lions (<i>Zalophus californianus</i>) during El Niño conditions. , 2019, 7, coz010.		12
31	Methods in the study of marine mammal stress: Measuring binding affinity of corticosteroid binding globulin. <i>Marine Mammal Science</i> , 2019, 35, 1659-1670.	1.8	2
32	Maternal age influences offspring behaviour and growth efficiency during provisioning in northern elephant seals. <i>Animal Behaviour</i> , 2019, 151, 121-130.	1.9	10
33	Parasitism Elicits a Stress Response That Allocates Resources for Immune Function in South American Fur Seals (<i>Arctocephalus australis</i>). <i>Physiological and Biochemical Zoology</i> , 2019, 92, 326-338.	1.5	22
34	Blubber transcriptome responses to repeated ACTH administration in a marine mammal. <i>Scientific Reports</i> , 2019, 9, 2718.	3.3	17
35	Nitrogen and carbon stable isotope ratios change in adult northern elephant seals (<i>Mirounga</i>)	1.8	6
36	Changes in stable isotope compositions during fasting in phocid seals. <i>Rapid Communications in Mass Spectrometry</i> , 2019, 33, 176-184.	1.5	5

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37	Adiposity and fat metabolism during combined fasting and lactation in elephant seals. <i>Journal of Experimental Biology</i> , 2018, 221, .	1.7	8
38	Foraging and fasting can influence contaminant concentrations in animals: an example with mercury contamination in a free-ranging marine mammal. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2018, 285, 20172782.	2.6	16
39	Wound Regeneration Deficit in Rats Correlates with Low Morphogenetic Potential and Distinct Transcriptome Profile of Epidermis. <i>Journal of Investigative Dermatology</i> , 2018, 138, 1409-1419.	0.7	24
40	<i>Endocrine Systems.</i> , 2018, , 318-328.		1
41	<i>Pinniped Physiology.</i> , 2018, , 726-733.		0
42	Climate mediates the success of migration strategies in a marine predator. <i>Ecology Letters</i> , 2018, 21, 63-71.	6.4	58
43	A sample preparation workflow for adipose tissue shotgun proteomics and proteogenomics. <i>Biology Open</i> , 2018, 7, .	1.2	7
44	Lactation and resource limitation affect stress responses, thyroid hormones, immune function, and antioxidant capacity of sea otters (<i>Enhydra lutris</i>). <i>Ecology and Evolution</i> , 2018, 8, 8433-8447.	1.9	12
45	Comprehensive endocrine response to acute stress in the bottlenose dolphin from serum, blubber, and feces. <i>General and Comparative Endocrinology</i> , 2018, 266, 178-193.	1.8	60
46	Repeated adrenocorticotrophic hormone administration alters adrenal and thyroid hormones in free-ranging elephant seals. , 2018, 6, coy040.		13
47	Ancient convergent losses of <i>Paraoxonase 1</i> yield potential risks for modern marine mammals. <i>Science</i> , 2018, 361, 591-594.	12.6	79
48	Adipose transcriptome analysis provides novel insights into molecular regulation of prolonged fasting in northern elephant seal pups. <i>Physiological Genomics</i> , 2018, 50, 495-503.	2.3	15
49	Thyroid hormone-stimulated increases in PGC-1 α and UCP2 promote life history-specific endocrine changes and maintain a lipid-based metabolism. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2017, 312, R189-R196.	1.8	8
50	Evaluating gain functions in foraging bouts using vertical excursions in northern elephant seals. <i>Animal Behaviour</i> , 2017, 129, 15-24.	1.9	6
51	Insulin induces a shift in lipid and primary carbon metabolites in a model of fasting-induced insulin resistance. <i>Metabolomics</i> , 2017, 13, 1.	3.0	9
52	Characterization of seasonal reproductive and stress steroid hormones in wild Radiated Tortoises, <i>Astrochelys radiata</i> . <i>General and Comparative Endocrinology</i> , 2017, 253, 70-78.	1.8	3
53	Increased sensitivity of thyroid hormone-mediated signaling despite prolonged fasting. <i>General and Comparative Endocrinology</i> , 2017, 252, 36-47.	1.8	5
54	Initial validation of blubber cortisol and progesterone as indicators of stress response and maturity in an otariid; the California sea lion (<i>Zalophus californianus</i>). <i>General and Comparative Endocrinology</i> , 2017, 252, 1-11.	1.8	20

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55	Fasting increases the phosphorylation of AMPK and expression of sirtuin1 in muscle of adult male northern elephant seals (<i>Mirounga angustirostris</i>). <i>Physiological Reports</i> , 2017, 5, e13114.	1.7	9
56	Variation in adrenal and thyroid hormones with life-history stage in juvenile northern elephant seals (<i>Mirounga angustirostris</i>). <i>General and Comparative Endocrinology</i> , 2017, 252, 111-118.	1.8	17
57	Adult male northern elephant seals maintain high rates of glucose production during extended breeding fasts. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2017, 187, 1183-1192.	1.5	6
58	Blubber cortisol qualitatively reflects circulating cortisol concentrations in bottlenose dolphins. <i>Marine Mammal Science</i> , 2017, 33, 134-153.	1.8	59
59	Stress response to handling is short lived but may reflect personalities in a wild, Critically Endangered tortoise species. , 2017, 5, cox008.		12
60	Comparative ecophysiology of a critically endangered (CR) ectotherm: Implications for conservation management. <i>PLoS ONE</i> , 2017, 12, e0182004.	2.5	7
61	Plasma Hypoxanthine-Guanine Phosphoribosyl Transferase Activity in Bottlenose Dolphins Contributes to Avoiding Accumulation of Non-recyclable Purines. <i>Frontiers in Physiology</i> , 2016, 7, 213.	2.8	11
62	Body reserves influence allocation to immune responses in capital breeding female northern elephant seals. <i>Functional Ecology</i> , 2016, 30, 389-397.	3.6	30
63	Effects of environmental variables on surface temperature of breeding adult female northern elephant seals, <i>Mirounga angustirostris</i> , and pups. <i>Journal of Thermal Biology</i> , 2016, 61, 98-105.	2.5	37
64	Serum POP concentrations are highly predictive of inner blubber concentrations at two extremes of body condition in northern elephant seals. <i>Environmental Pollution</i> , 2016, 218, 651-663.	7.5	4
65	Glucose delays the insulin-induced increase in thyroid hormone-mediated signaling in adipose of prolong-fasted elephant seal pups. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2016, 310, R502-R512.	1.8	8
66	Lipophilicity of PCBs and fatty acids determines their mobilisation from blubber of weaned northern elephant seal pups. <i>Science of the Total Environment</i> , 2016, 541, 599-602.	8.0	20
67	Natural Variation in Stress Hormones, Comparisons Across Matrices, and Impacts Resulting from Induced Stress in the Bottlenose Dolphin. <i>Advances in Experimental Medicine and Biology</i> , 2016, 875, 467-471.	1.6	1
68	The demands of lactation promote differential regulation of lipid stores in fasting elephant seals. <i>General and Comparative Endocrinology</i> , 2016, 225, 125-132.	1.8	14
69	Oxidative stress in northern elephant seals: Integration of omics approaches with ecological and experimental studies. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2016, 200, 94-103.	1.8	14
70	A Bioenergetics Approach to Understanding the Population Consequences of Disturbance: Elephant Seals as a Model System. <i>Advances in Experimental Medicine and Biology</i> , 2016, 875, 161-169.	1.6	29
71	Muscle transcriptome response to ACTH administration in a free-ranging marine mammal. <i>Physiological Genomics</i> , 2015, 47, 318-330.	2.3	23
72	Development of an animal-borne acoustic tag for quantifying prey availability: test deployments on northern elephant seals. <i>Animal Biotelemetry</i> , 2015, 3, .	1.9	22

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73	Isolation of progenitor cells from the blubber of northern elephant seals (<i>Mirounga</i>). <i>Mammal Science</i> , 2015, 31, 764-773.	1.8	5
74	Hypoxanthine-guanine phosphoribosyltransferase and inosine 5'-monophosphate dehydrogenase activities in three mammalian species: aquatic (<i>Mirounga angustirostris</i>), semi-aquatic (<i>Lontra</i>). <i>Journal of Experimental Biology</i> , 2015, 288, 100-108.	1.8	6
75	Adipose Triglyceride Lipase, Not Hormone-Sensitive Lipase, Is the Primary Lipolytic Enzyme in Fasting Elephant Seals (<i>Mirounga angustirostris</i>). <i>Physiological and Biochemical Zoology</i> , 2015, 88, 284-294.	1.5	4
76	The degradation of proteins in pinniped skeletal muscle: viability of post-mortem tissue in physiological research. <i>Journal of Experimental Biology</i> , 2015, 288, cov019.		2
77	Adrenal sensitivity to stress is maintained despite variation in baseline glucocorticoids in moulting seals. <i>Journal of Experimental Biology</i> , 2015, 288, cov004.		23
78	Mobilisation of blubber fatty acids of northern elephant seal pups (<i>Mirounga angustirostris</i>) during the post-weaning fast. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2015, 183, 78-86.	1.8	11
79	Deep-ocean foraging northern elephant seals bioaccumulate persistent organic pollutants. <i>Science of the Total Environment</i> , 2015, 533, 144-155.	8.0	11
80	Plasma FGF21 concentrations, adipose fibroblast growth factor receptor-1 and β -klotho expression decrease with fasting in northern elephant seals. <i>General and Comparative Endocrinology</i> , 2015, 216, 86-89.	1.8	6
81	Stress physiology in marine mammals: how well do they fit the terrestrial model?. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2015, 185, 463-486.	1.5	89
82	Transcriptome analysis of northern elephant seal (<i>Mirounga angustirostris</i>) muscle tissue provides a novel molecular resource and physiological insights. <i>BMC Genomics</i> , 2015, 16, 64.	2.8	24
83	Oxidative stress is a potential cost of breeding in male and female northern elephant seals. <i>Functional Ecology</i> , 2015, 29, 367-376.	3.6	44
84	Development of Dive Capacity in Northern Elephant Seals (<i>Mirounga angustirostris</i>): Reduced Body Reserves at Weaning Are Associated with Elevated Body Oxygen Stores during the Postweaning Fast. <i>Physiological and Biochemical Zoology</i> , 2015, 88, 471-482.	1.5	15
85	Bioaccumulation of hydroxylated polychlorinated biphenyls and pentachlorophenol in the serum of northern elephant seal pups (<i>Mirounga angustirostris</i>). <i>Environmental Research</i> , 2015, 136, 441-448.	7.5	5
86	Thyroid Gland Remains Responsive to Thyroid Stimulating Hormone With Fasting Duration. <i>FASEB Journal</i> , 2015, 29, 686.6.	0.5	0
87	Effects of Age, Adipose Percent, and Reproduction on PCB Concentrations and Profiles in an Extreme Fasting North Pacific Marine Mammal. <i>PLoS ONE</i> , 2014, 9, e96191.	2.5	20
88	Adiposity and Fat Metabolism in Lactating and Fasting Northern Elephant Seals. <i>Advances in Nutrition</i> , 2014, 5, 57-64.	6.4	56
89	Ontogenetic changes in skeletal muscle fiber type, fiber diameter and myoglobin concentration in the Northern elephant seal (<i>Mirounga angustirostris</i>). <i>Frontiers in Physiology</i> , 2014, 5, 217.	2.8	13
90	High fatty acid oxidation capacity and phosphorylation control despite elevated leak and reduced respiratory capacity in northern elephant seal muscle mitochondria. <i>Journal of Experimental Biology</i> , 2014, 217, 2947-55.	1.7	26

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91	Elevated carboxyhemoglobin in a marine mammal, the northern elephant seal. <i>Journal of Experimental Biology</i> , 2014, 217, 1752-1757.	1.7	31
92	Causes of death in preweaned northern elephant seal pups (<i>Mirounga angustirostris</i> , Gill.) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 7</i> 26, 320-326.	1.1	7
93	Purine nucleoside phosphorylase and xanthine oxidase activities in erythrocytes and plasma from marine, semiaquatic and terrestrial mammals. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2014, 171, 31-35.	1.8	11
94	Free-swimming northern elephant seals have low field metabolic rates that are sensitive to an increased cost of transport. <i>Journal of Experimental Biology</i> , 2014, 217, 1485-1495.	1.7	51
95	Fatty acid mobilization and comparison to milk fatty acid content in northern elephant seals. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2014, 184, 125-135.	1.5	27
96	Metabolic responses to adrenocorticotrophic hormone (ACTH) vary with life-history stage in adult male northern elephant seals. <i>General and Comparative Endocrinology</i> , 2014, 204, 150-157.	1.8	39
97	Metabolic response to a glucagon challenge varies with adiposity and life-history stage in fasting northern elephant seals. <i>General and Comparative Endocrinology</i> , 2014, 195, 99-106.	1.8	13
98	Mobilisation of lipophilic pollutants from blubber in northern elephant seal pups (<i>Mirounga</i>) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 462 T</i>	7.5	30
99	Development enhances hypometabolism in northern elephant seal pups (<i>Mirounga</i>) <i>Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 4</i>	3.6	18
100	Lactate flux and gluconeogenesis in fasting, weaned northern elephant seals (<i>Mirounga</i>) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 387 Td (a</i> <i>Physiology</i> , 2013, 183, 537-546.	1.5	25
101	Prolonged fasting activates hypoxia inducible factors-1 α , -2 α and -3 α in a tissue-specific manner in northern elephant seal pups. <i>Gene</i> , 2013, 526, 155-163.	2.2	24
102	Activation of systemic, but not local, renin-angiotensin system is associated with up-regulation of TNF- α during prolonged fasting in northern elephant seal pups. <i>Journal of Experimental Biology</i> , 2013, 216, 3215-21.	1.7	15
103	Seasonal variations in plasma vitellogenin and sex steroids in male and female Eastern Box Turtles, <i>Terrapene carolina carolina</i> . <i>General and Comparative Endocrinology</i> , 2013, 180, 48-55.	1.8	20
104	A profile of carbohydrate metabolites in the fasting northern elephant seal. <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , 2013, 8, 141-151.	1.0	14
105	A Non-Traditional Model of the Metabolic Syndrome: The Adaptive Significance of Insulin Resistance in Fasting-Adapted Seals. <i>Frontiers in Endocrinology</i> , 2013, 4, 164.	3.5	38
106	Prolonged food deprivation increases mRNA expression of deiodinase 1 and 2, and thyroid hormone receptor β -1 in a fasting-adapted mammal. <i>Journal of Experimental Biology</i> , 2013, 216, 4647-4654.	1.7	20
107	Prolonged fasting activates Nrf2 in postweaned elephant seals. <i>Journal of Experimental Biology</i> , 2013, 216, 2870-8.	1.7	20
108	Effects of maternal age and mass on foraging behaviour and foraging success in the northern elephant seal. <i>Functional Ecology</i> , 2013, 27, 1055-1063.	3.6	21

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109	Insulin and GLP-1 infusions demonstrate the onset of adipose-specific insulin resistance in a large fasting mammal: potential glucogenic role for GLP-1. <i>Physiological Reports</i> , 2013, 1, e00023.	1.7	26
110	Prolonged Fasting Induces Insulin Resistance in the Northern Elephant Seal Pup. <i>FASEB Journal</i> , 2013, 27, 714.21.	0.5	0
111	Glucose oxidation and nonoxidative glucose disposal during prolonged fasts of the northern elephant seal pup (<i>Mirounga angustirostris</i>). <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2012, 303, R562-R570.	1.8	29
112	Impact of Body Reserves on Energy Expenditure, Water Flux, and Mating Success in Breeding Male Northern Elephant Seals. <i>Physiological and Biochemical Zoology</i> , 2012, 85, 11-20.	1.5	79
113	Gluconeogenesis is associated with high rates of tricarboxylic acid and pyruvate cycling in fasting northern elephant seals. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2012, 303, R340-R352.	1.8	28
114	Biological and Environmental Drivers of Energy Allocation in a Dependent Mammal, the Antarctic Fur Seal Pup. <i>Physiological and Biochemical Zoology</i> , 2012, 85, 134-147.	1.5	19
115	Dynamic Influence of Maternal and Pup Traits on Maternal Care during Lactation in an Income Breeder, the Antarctic Fur Seal. <i>Physiological and Biochemical Zoology</i> , 2012, 85, 243-254.	1.5	14
116	Decreased expression of adipose CD36 and FATP1 are associated with increased plasma non-esterified fatty acids during prolonged fasting in northern elephant seal pups (<i>Mirounga angustirostris</i>). <i>Journal of Experimental Biology</i> , 2012, 215, 2455-2464.	1.7	27
117	Sex differences in fuel use and metabolism during development in fasting juvenile northern elephant seals. <i>Journal of Experimental Biology</i> , 2012, 215, 2637-2645.	1.7	35
118	Prolonged fasting increases purine recycling in post-weaned northern elephant seals. <i>Journal of Experimental Biology</i> , 2012, 215, 1448-1455.	1.7	23
119	How are trace elements mobilized during the postweaning fast in Northern elephant seals?. <i>Environmental Toxicology and Chemistry</i> , 2012, 31, 2354-2365.	4.3	14
120	Foraging Behavior and Success of a Mesopelagic Predator in the Northeast Pacific Ocean: Insights from a Data-Rich Species, the Northern Elephant Seal. <i>PLoS ONE</i> , 2012, 7, e36728.	2.5	221
121	Fasting Physiology of the Pinnipeds: The Challenges of Fasting While Maintaining High Energy Expenditure and Nutrient Delivery for Lactation. , 2012, , 309-336.		41
122	Benthic foraging on seamounts: A specialized foraging behavior in a deep-diving pinniped. <i>Marine Mammal Science</i> , 2012, 28, E333.	1.8	27
123	Water-soluble vitamin homeostasis in fasting northern elephant seals (<i>Mirounga angustirostris</i>) measured by metabolomics analysis and standard methods. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2012, 161, 114-121.	1.8	10
124	Hormone and metabolite changes associated with extended breeding fasts in male northern elephant seals (<i>Mirounga angustirostris</i>). <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2012, 161, 388-394.	1.8	38
125	Differential changes of fat-soluble vitamins and pollutants during lactation in northern elephant seal mother-pup pairs. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2012, 162, 323-330.	1.8	19
126	Controlled Exposure Study of Dolphins and Sea Lions to Midfrequency Sonarlike Signals. <i>Advances in Experimental Medicine and Biology</i> , 2012, 730, 269-272.	1.6	1

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127	The Effects of Handling and Anesthetic Agents on the Stress Response and Carbohydrate Metabolism in Northern Elephant Seals. PLoS ONE, 2012, 7, e38442.	2.5	54
128	Prolonged fasting increases purine recycling in postweaned northern elephant seals. FASEB Journal, 2012, 26, 1072.12.	0.5	0
129	Lipid mobilization and milk production in lactating northern elephant seals. FASEB Journal, 2012, 26, lb702.	0.5	1
130	Decreased expression of adipose fatty acid transporters CD36 and FATP1 contributes to increased plasma free fatty acids during prolonged fasting in northern elephant seal pups. FASEB Journal, 2012, 26, 886.10.	0.5	0
131	Cold Stress Induces an Adrenocortical Response in Bottlenose Dolphins (<i>Tursiops truncatus</i>). Journal of Zoo and Wildlife Medicine, 2011, 42, 565-571.	0.6	53
132	Prolonged fasting increases glutathione biosynthesis in postweaned northern elephant seals. Journal of Experimental Biology, 2011, 214, 1294-1299.	1.7	54
133	Apnea stimulates the adaptive response to oxidative stress in elephant seal pups. Journal of Experimental Biology, 2011, 214, 4193-4200.	1.7	50
134	High-density lipoprotein remains elevated despite reductions in total cholesterol in fasting adult male elephant seals (<i>Mirounga angustirostris</i>). Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2011, 159, 214-219.	1.6	20
135	Blood dynamics of mercury and selenium in northern elephant seals during the lactation period. Environmental Pollution, 2011, 159, 2523-2529.	7.5	42
136	Glut4 is upregulated despite decreased insulin signaling during prolonged fasting in northern elephant seal pups. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2011, 300, R150-R154.	1.8	48
137	Northern elephant seals adjust gliding and stroking patterns with changes in buoyancy: validation of at-sea metrics of body density. Journal of Experimental Biology, 2011, 214, 2973-2987.	1.7	85
138	5 α -AMP-activated protein kinase activity is increased in adipose tissue of northern elephant seal pups during prolonged fasting-induced insulin resistance. Journal of Endocrinology, 2011, 209, 317-325.	2.6	51
139	Hypoxia inducible factor 1 α , hypoxanthine-guanine phosphoribosyl transferase and NADPH oxidase 4 from northern elephant seals: cDNA characterization and tissue expression. FASEB Journal, 2011, 25, .	0.5	0
140	Assessment of gestation, lactation and fasting on stable isotope ratios in northern elephant seals (<i>Mirounga angustirostris</i>). Marine Mammal Science, 2010, 26, 880-895.	1.8	62
141	Measurements of foraging success in a highly pelagic marine predator, the northern elephant seal. Journal of Animal Ecology, 2010, 79, 1146-1156.	2.8	89
142	Accuracy of ARGOS Locations of Pinnipeds at-Sea Estimated Using Fastloc GPS. PLoS ONE, 2010, 5, e8677.	2.5	204
143	Prolonged fasting does not increase oxidative damage or inflammation in postweaned northern elephant seal pups. Journal of Experimental Biology, 2010, 213, 2524-2530.	1.7	66
144	Prolonged fasting suppresses cellular insulin-dependent activity in adipose tissue of the northern elephant seal. FASEB Journal, 2010, 24, 1055.11.	0.5	0

#	ARTICLE	IF	CITATIONS
145	Pinniped Physiology, , 2009, , 873-878.		2
146	Time to eat: measurements of feeding behaviour in a large marine predator, the northern elephant seal (<i>Mirounga angustirostris</i>). Journal of Animal Ecology, 2009, 78, 513-523.	2.8	83
147	Glut4 Increases with Prolonged Fasting in Northern Elephant Seals. FASEB Journal, 2009, 23, 598.3.	0.5	0
148	Body condition as an index of winter foraging success in crabeater seals (<i>Lobodon carcinophaga</i>). Deep-Sea Research Part II: Topical Studies in Oceanography, 2008, 55, 515-522.	1.4	21
149	Hormonal regulation of glucose clearance in lactating northern elephant seals (<i>Mirounga</i>). Tj ETQq1 1 0.784314 rgBT / Overlock 10 Tf 37	1.7	37
150	Lipolysis and glycerol gluconeogenesis in simultaneously fasting and lactating northern elephant seals. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2007, 293, R2376-R2381.	1.8	36
151	High Rates of Energy Expenditure and Water Flux in Free-Ranging Point Reyes Mountain Beavers (<i>Aplodontia rufa phaea</i>). Physiological and Biochemical Zoology, 2007, 80, 635-642.	1.5	2
152	Swimming speed and foraging strategies of northern elephant seals. Deep-Sea Research Part II: Topical Studies in Oceanography, 2007, 54, 369-383.	1.4	62
153	Diving physiology and winter foraging behavior of a juvenile leopard seal (<i>Hydrurga leptonyx</i>). Polar Biology, 2006, 29, 303-307.	1.2	24
154	Physiology and Behavior Influence Lactation Efficiency in Northern Elephant Seals (<i>Mirounga</i>). Tj ETQq0 0 0 rgBT / Overlock 10 Tf 50 382	1.5	31
155	Angiotensin II and Aldosterone Increase with Fasting in Breeding Adult Male Northern Elephant Seals (<i>Mirounga angustirostris</i>). Physiological and Biochemical Zoology, 2006, 79, 1106-1112.	1.5	34
156	Glucose metabolism during lactation in a fasting animal, the northern elephant seal. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2006, 291, R1129-R1137.	1.8	38
157	Ocean climate and seal condition. BMC Biology, 2005, 3, 9.	3.8	74
158	Glucose production and substrate cycle activity in a fasting adapted animal, the northern elephant seal. Journal of Experimental Biology, 2005, 208, 859-868.	1.7	63
159	Age, Sex, and Reproductive State Influence Free Amino Acid Concentrations in the Fasting Elephant Seal. Physiological and Biochemical Zoology, 2004, 77, 838-846.	1.5	14
160	The effect of a low-frequency sound source (acoustic thermometry of the ocean climate) on the diving behavior of juvenile northern elephant seals, <i>Mirounga angustirostris</i> . Journal of the Acoustical Society of America, 2003, 113, 1155-1165.	1.1	54
161	MATERNAL TRAITS AND REPRODUCTIVE EFFORT IN NORTHERN ELEPHANT SEALS. Ecology, 2001, 82, 3541-3555.	3.2	164
162	Renal function in suckling and fasting pups of the northern elephant seal. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2001, 129, 405-415.	1.8	19

#	ARTICLE	IF	CITATIONS
163	Maternal Traits and Reproductive Effort in Northern Elephant Seals. Ecology, 2001, 82, 3541.	3.2	11
164	Drift diving in female northern elephant seals: implications for food processing. Canadian Journal of Zoology, 1997, 75, 27-39.	1.0	180
165	Diving Behavior of Elephant Seals: Implications for Predator Avoidance. , 1996, , 193-205.		41
166	Ten. Sex- and age-related variation in reproductive effort of northern elephant seals. , 1994, , 169-210.		48
167	Birth timing after the long feeding migration in northern elephant seals. Marine Mammal Science, 0, , .	1.8	3