

Daniel Costa

List of Publications by Year in descending order

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Version: 2024-02-01

438
papers

27,479
citations

3933

88
h-index

11052

137
g-index

456
all docs

456
docs citations

456
times ranked

13442
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Advances in thermal physiology of diving marine mammals: The dual role of peripheral perfusion. <i>Temperature</i> , 2022, 9, 46-66. | 3.0 | 7 |
| 2 | 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 |
| 3 | Site fidelity as a maladaptive behavior in the Anthropocene. <i>Frontiers in Ecology and the Environment</i> , 2022, 20, 187-194. | 4.0 | 30 |
| 4 | Estimating population size when individuals are asynchronous: A model illustrated with northern elephant seal breeding colonies. <i>PLoS ONE</i> , 2022, 17, e0262214. | 2.5 | 3 |
| 5 | Understanding the combined effects of multiple stressors: A new perspective on a longstanding challenge. <i>Science of the Total Environment</i> , 2022, 821, 153322. | 8.0 | 64 |
| 6 | Reproductive Energetics of Phocids. <i>Ethology and Behavioral Ecology of Marine Mammals</i> , 2022, , 281-309. | 0.9 | 6 |
| 7 | Assessment of Australian Sea Lion Bycatch Mortality in a Gillnet Fishery, and Implementation and Evaluation of an Effective Mitigation Strategy. <i>Frontiers in Marine Science</i> , 2022, 9, . | 2.5 | 5 |
| 8 | The Antarctic Weddell seal genome reveals evidence of selection on cardiovascular phenotype and lipid handling. <i>Communications Biology</i> , 2022, 5, 140. | 4.4 | 5 |
| 9 | Elephant seals time their long-distance migrations using a map sense. <i>Current Biology</i> , 2022, 32, R156-R157. | 3.9 | 9 |
| 10 | Changes in apolipoprotein abundance dominate proteome responses to prolonged fasting in elephant seals. <i>Journal of Experimental Biology</i> , 2022, 225, . | 1.7 | 3 |
| 11 | From individual responses to population effects: Integrating a decade of multidisciplinary research on blue whales and sonar. <i>Animal Conservation</i> , 2022, 25, 796-810. | 2.9 | 11 |
| 12 | Research Handling Effects on Stress Hormones, Blood Parameters, and Heart Rate in Juvenile Northern Elephant Seals (<i>Mirounga angustirostris</i>). <i>FASEB Journal</i> , 2022, 36, . | 0.5 | 0 |
| 13 | Eavesdropping on the brain at sea: development of a surface-mounted system to detect weak electrophysiological signals from wild animals. <i>Animal Biotelemetry</i> , 2022, 10, . | 1.9 | 5 |
| 14 | Animal personality: Worn whiskers reveal resilience. <i>Current Biology</i> , 2022, 32, R528-R530. | 3.9 | 0 |
| 15 | Whiskers as hydrodynamic prey sensors in foraging seals. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, . | 7.1 | 8 |
| 16 | Predator-derived bioregions in the Southern Ocean: Characteristics, drivers and representation in marine protected areas. <i>Biological Conservation</i> , 2022, 272, 109630. | 4.1 | 5 |
| 17 | Extent and Magnitude of Subsurface Anomalies During the Northeast Pacific Blob as Measured by Animal-Borne Sensors. <i>Journal of Geophysical Research: Oceans</i> , 2022, 127, . | 2.6 | 7 |
| 18 | Context-dependent variability in the predicted daily energetic costs of disturbance for blue whales. , 2021, 9, coaa137. | | 22 |

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|----|--|------|-----------|
| 19 | The soundscape of the Anthropocene ocean. <i>Science</i> , 2021, 371, . | 12.6 | 376 |
| 20 | Accuracy and precision of citizen scientist animal counts from drone imagery. <i>PLoS ONE</i> , 2021, 16, e0244040. | 2.5 | 12 |
| 21 | Intertrip consistency in hunting behavior improves foraging success and efficiency in a marine top predator. <i>Ecology and Evolution</i> , 2021, 11, 4428-4441. | 1.9 | 4 |
| 22 | Lightscares of fear: How mesopredators balance starvation and predation in the open ocean. <i>Science Advances</i> , 2021, 7, . | 10.3 | 27 |
| 23 | Influence of hunting strategy on foraging efficiency in Galapagos sea lions. <i>PeerJ</i> , 2021, 9, e11206. | 2.0 | 9 |
| 24 | A standardisation framework for bio-logging data to advance ecological research and conservation. <i>Methods in Ecology and Evolution</i> , 2021, 12, 996-1007. | 5.2 | 39 |
| 25 | Forced into an ecological corner: Round-the-clock deep foraging on small prey by elephant seals. <i>Science Advances</i> , 2021, 7, . | 10.3 | 24 |
| 26 | Successful Long-Distance Breeding Range Expansion of a Top Marine Predator. <i>Frontiers in Ecology and Evolution</i> , 2021, 9, . | 2.2 | 5 |
| 27 | 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 |
| 28 | Global Connectivity of Southern Ocean Ecosystems. <i>Frontiers in Ecology and Evolution</i> , 2021, 9, . | 2.2 | 28 |
| 29 | Emerging themes in Population Consequences of Disturbance models. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2021, 288, 20210325. | 2.6 | 17 |
| 30 | A prediction and imputation method for marine animal movement data. <i>PeerJ Computer Science</i> , 2021, 7, e656. | 4.5 | 3 |
| 31 | Predicting the population consequences of acoustic disturbance, with application to an endangered gray whale population. <i>Ecological Applications</i> , 2021, 31, e02440. | 3.8 | 15 |
| 32 | When Physiology and Ecology Meet: The Interdependency Between Foraging Ecology and Reproduction in Otariids. <i>Ethology and Behavioral Ecology of Marine Mammals</i> , 2021, , 21-50. | 0.9 | 9 |
| 33 | 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 |
| 34 | Influence of environmental variation on spatial distribution and habitat-use in a benthic foraging marine predator. <i>Royal Society Open Science</i> , 2021, 8, 211052. | 2.4 | 4 |
| 35 | Animal Borne Ocean Sensors “ AniBOS ” An Essential Component of the Global Ocean Observing System. <i>Frontiers in Marine Science</i> , 2021, 8, . | 2.5 | 30 |
| 36 | Visualizing Life in the Deep: A Creative Pipeline for Data-Driven Animations to Facilitate Marine Mammal Research, Outreach, and Conservation. , 2021, , . | | 2 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 37 | Chlorophyll fluorescence as measured in situ by animal-borne instruments in the northeastern Pacific Ocean. <i>Journal of Marine Systems</i> , 2020, 203, 103265. | 2.1 | 17 |
| 38 | Changes in Northern Elephant Seal Skeletal Muscle Following Thirty Days of Fasting and Reduced Activity. <i>Frontiers in Physiology</i> , 2020, 11, 564555. | 2.8 | 8 |
| 39 | Environmental influences on foraging effort, success and efficiency in female Australian fur seals. <i>Scientific Reports</i> , 2020, 10, 17710. | 3.3 | 14 |
| 40 | Calibration of aerial photogrammetry to estimate elephant seal mass. <i>Marine Mammal Science</i> , 2020, 36, 1347-1355. | 1.8 | 5 |
| 41 | Context Matters: Hawaiian Monk Seals Switch Between Feeding Strategies Depending on Ecological Context. <i>Integrative and Comparative Biology</i> , 2020, 60, 425-439. | 2.0 | 3 |
| 42 | Extreme diving of females at the largest colony of New Zealand sea lions, <i>Phocarctos hookeri</i> . <i>Polar Biology</i> , 2020, 43, 2031-2042. | 1.2 | 3 |
| 43 | Thermoregulatory Strategies of Diving Air-Breathing Marine Vertebrates: A Review. <i>Frontiers in Ecology and Evolution</i> , 2020, 8, . | 2.2 | 28 |
| 44 | A continuous-time state-space model for rapid quality control of argos locations from animal-borne tags. <i>Movement Ecology</i> , 2020, 8, 31. | 2.8 | 66 |
| 45 | 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 |
| 46 | Propensity for Risk in Reproductive Strategy Affects Susceptibility to Anthropogenic Disturbance. <i>American Naturalist</i> , 2020, 196, E71-E87. | 2.1 | 5 |
| 47 | Tracking of marine predators to protect Southern Ocean ecosystems. <i>Nature</i> , 2020, 580, 87-92. | 27.8 | 156 |
| 48 | The retrospective analysis of Antarctic tracking data project. <i>Scientific Data</i> , 2020, 7, 94. | 5.3 | 27 |
| 49 | Acceleration-triggered animal-borne videos show a dominance of fish in the diet of female northern elephant seals. <i>Journal of Experimental Biology</i> , 2020, 223, . | 1.7 | 50 |
| 50 | 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 |
| 51 | A dynamic approach to estimate the probability of exposure of marine predators to oil exploration seismic surveys over continental shelf waters. <i>Endangered Species Research</i> , 2020, 42, 185-199. | 2.4 | 3 |
| 52 | Contrasting whisker growth dynamics within the phocid lineage. <i>Marine Ecology - Progress Series</i> , 2020, 634, 231-236. | 1.9 | 7 |
| 53 | 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 |
| 54 | Delivering Sustained, Coordinated, and Integrated Observations of the Southern Ocean for Global Impact. <i>Frontiers in Marine Science</i> , 2019, 6, . | 2.5 | 67 |

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|----|--|-----|-----------|
| 55 | Animal-Borne Telemetry: An Integral Component of the Ocean Observing Toolkit. <i>Frontiers in Marine Science</i> , 2019, 6, . | 2.5 | 127 |
| 56 | Deep Learning Resolves Representative Movement Patterns in a Marine Predator Species. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 2935. | 2.5 | 6 |
| 57 | Best practice recommendations for the use of external telemetry devices on pinnipeds. <i>Animal Biotelemetry</i> , 2019, 7, . | 1.9 | 22 |
| 58 | The importance of migratory connectivity for global ocean policy. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2019, 286, 20191472. | 2.6 | 80 |
| 59 | Hydrographic variability along the inner and mid-shelf region of the western Ross Sea obtained using instrumented seals. <i>Progress in Oceanography</i> , 2019, 174, 131-142. | 3.2 | 12 |
| 60 | Hawaiian monk seals exhibit behavioral flexibility when targeting prey of different size and shape. <i>Journal of Experimental Biology</i> , 2019, 222, . | 1.7 | 8 |
| 61 | The importance of sample size in marine megafauna tagging studies. <i>Ecological Applications</i> , 2019, 29, e01947. | 3.8 | 86 |
| 62 | Anthropogenic disturbance in a changing environment: modelling lifetime reproductive success to predict the consequences of multiple stressors on a migratory population. <i>Oikos</i> , 2019, 128, 1340-1357. | 2.7 | 41 |
| 63 | Low guanylyl cyclase activity in Weddell seals: implications for peripheral vasoconstriction and perfusion of the brain during diving. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2019, 316, R704-R715. | 1.8 | 12 |
| 64 | Variability and change in the west Antarctic Peninsula marine system: Research priorities and opportunities. <i>Progress in Oceanography</i> , 2019, 173, 208-237. | 3.2 | 102 |
| 65 | Translating Marine Animal Tracking Data into Conservation Policy and Management. <i>Trends in Ecology and Evolution</i> , 2019, 34, 459-473. | 8.7 | 256 |
| 66 | Integration of Genotype, Physiological Performance, and Survival in a Lizard (<i>Uta stansburiana</i>) with Alternative Mating Strategies. <i>Physiological and Biochemical Zoology</i> , 2019, 92, 303-315. | 1.5 | 5 |
| 67 | Dive behaviour and foraging effort of female Cape fur seals <i>Arctocephalus pusillus pusillus</i> . <i>Royal Society Open Science</i> , 2019, 6, 191369. | 2.4 | 11 |
| 68 | Factors affecting energy expenditure in a declining fur seal population. , 2019, 7, coz103. | | 16 |
| 69 | Modeling the functional link between movement, feeding activity, and condition in a marine predator. <i>Behavioral Ecology</i> , 2019, 30, 434-445. | 2.2 | 13 |
| 70 | Ontogenetic variation in diet and habitat of Irrawaddy dolphins (<i>Orcaella brevirostris</i>) in the Gulf of Thailand and the Andaman Sea. <i>Marine Mammal Science</i> , 2019, 35, 492-521. | 1.8 | 7 |
| 71 | What's in a whisker? Disentangling ecological and physiological isotopic signals. <i>Rapid Communications in Mass Spectrometry</i> , 2019, 33, 57-66. | 1.5 | 14 |
| 72 | Nitrogen and carbon stable isotope ratios change in adult northern elephant seals (<i>Mirounga</i>) | 1.8 | 6 |

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|----|--|------|-----------|
| 73 | Inferring prey size variation from mandible acceleration in northern elephant seals. <i>Marine Mammal Science</i> , 2019, 35, 893-908. | 1.8 | 8 |
| 74 | Trophic position and foraging ecology of Ross, Weddell, and crabeater seals revealed by compound-specific isotope analysis. <i>Marine Ecology - Progress Series</i> , 2019, 611, 1-18. | 1.9 | 18 |
| 75 | Use of ¹⁵ N-enriched glycine to estimate vibrissa growth in free-ranging northern elephant seals <i>Mirounga angustirostris</i> . <i>Marine Ecology - Progress Series</i> , 2019, 614, 199-207. | 1.9 | 3 |
| 76 | Convergence of marine megafauna movement patterns in coastal and open oceans. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 3072-3077. | 7.1 | 103 |
| 77 | The energetic consequences of behavioral variation in a marine carnivore. <i>Ecology and Evolution</i> , 2018, 8, 4340-4351. | 1.9 | 16 |
| 78 | The extra burden of motherhood: reduced dive duration associated with pregnancy status in a deep-diving mammal, the northern elephant seal. <i>Biology Letters</i> , 2018, 14, . | 2.3 | 40 |
| 79 | High-energy, high-fat lifestyle challenges an Arctic apex predator, the polar bear. <i>Science</i> , 2018, 359, 568-572. | 12.6 | 126 |
| 80 | Characterizing habitat suitability for a central-place forager in a dynamic marine environment. <i>Ecology and Evolution</i> , 2018, 8, 2788-2801. | 1.9 | 21 |
| 81 | 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 |
| 82 | Energetics. , 2018, , 329-335. | | 9 |
| 83 | Osmoregulation. , 2018, , 659-664. | | 2 |
| 84 | Climate mediates the success of migration strategies in a marine predator. <i>Ecology Letters</i> , 2018, 21, 63-71. | 6.4 | 58 |
| 85 | Movements and dive behavior of juvenile California sea lions from Año Nuevo Island. <i>Marine Mammal Science</i> , 2018, 34, 238-249. | 1.8 | 12 |
| 86 | A Dynamic State Model of Migratory Behavior and Physiology to Assess the Consequences of Environmental Variation and Anthropogenic Disturbance on Marine Vertebrates. <i>American Naturalist</i> , 2018, 191, E40-E56. | 2.1 | 56 |
| 87 | Temporal changes in Weddell seal dive behavior over winter: Are females increasing foraging effort to support gestation?. <i>Ecology and Evolution</i> , 2018, 8, 11857-11874. | 1.9 | 16 |
| 88 | Energy-Rich Mesopelagic Fishes Revealed as a Critical Prey Resource for a Deep-Diving Predator Using Quantitative Fatty Acid Signature Analysis. <i>Frontiers in Marine Science</i> , 2018, 5, . | 2.5 | 60 |
| 89 | The rise and fall of dialects in northern elephant seals. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2018, 285, . | 2.6 | 27 |
| 90 | Understanding the population consequences of disturbance. <i>Ecology and Evolution</i> , 2018, 8, 9934-9946. | 1.9 | 186 |

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|-----|--|------|-----------|
| 91 | Terrestrial locomotion of the northern elephant seal (<i>Mirounga angustirostris</i>): limitation of large aquatically adapted seals on land?. <i>Journal of Experimental Biology</i> , 2018, 221, . | 1.7 | 8 |
| 92 | The political biogeography of migratory marine predators. <i>Nature Ecology and Evolution</i> , 2018, 2, 1571-1578. | 7.8 | 104 |
| 93 | A dynamic ocean management tool to reduce bycatch and support sustainable fisheries. <i>Science Advances</i> , 2018, 4, eaar3001. | 10.3 | 280 |
| 94 | A state-dependent model for assessing the population consequences of disturbance on income-breeding mammals. <i>Ecological Modelling</i> , 2018, 385, 133-144. | 2.5 | 28 |
| 95 | Fisheries Exploitation by Albatross Quantified With Lipid Analysis. <i>Frontiers in Marine Science</i> , 2018, 5, . | 2.5 | 21 |
| 96 | Sonification of Animal Tracks as an Alternative Representation of Multi-Dimensional Data: A Northern Elephant Seal Example. <i>Frontiers in Marine Science</i> , 2018, 5, . | 2.5 | 3 |
| 97 | Constrained by consistency? Repeatability of foraging behavior at multiple timescales for a generalist marine predator. <i>Marine Biology</i> , 2018, 165, 1. | 1.5 | 12 |
| 98 | Intrinsic anti-inflammatory properties in the serum of two species of deep-diving seal. <i>Journal of Experimental Biology</i> , 2018, 221, . | 1.7 | 25 |
| 99 | A method for correcting seal-borne oceanographic data and application to the estimation of regional sea ice thickness. <i>Journal of Marine Systems</i> , 2018, 187, 250-259. | 2.1 | 11 |
| 100 | Mesoscale activity facilitates energy gain in a top predator. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2018, 285, 20181101. | 2.6 | 48 |
| 101 | Comparative feeding strategies and kinematics in phocid seals: suction without specialized skull morphology. <i>Journal of Experimental Biology</i> , 2018, 221, . | 1.7 | 13 |
| 102 | Adapted to change: Low energy requirements in a low and unpredictable productivity environment, the case of the Galapagos sea lion. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2017, 140, 94-104. | 1.4 | 31 |
| 103 | Temporal variation in isotopic composition and diet of Weddell seals in the western Ross Sea. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2017, 140, 36-44. | 1.4 | 32 |
| 104 | Visually impaired people and the emerging connected TV: a comparative study of TV and Web applications' accessibility. <i>Universal Access in the Information Society</i> , 2017, 16, 197-214. | 3.0 | 13 |
| 105 | Searching for prey in a three-dimensional environment: hierarchical movements enhance foraging success in northern elephant seals. <i>Functional Ecology</i> , 2017, 31, 361-369. | 3.6 | 52 |
| 106 | Habitat use and spatial fidelity of male South American sea lions during the nonbreeding period. <i>Ecology and Evolution</i> , 2017, 7, 3992-4002. | 1.9 | 16 |
| 107 | Evaluating gain functions in foraging bouts using vertical excursions in northern elephant seals. <i>Animal Behaviour</i> , 2017, 129, 15-24. | 1.9 | 6 |
| 108 | Development of a bioenergetic model for estimating energy requirements and prey biomass consumption of the bottlenose dolphin <i>Tursiops truncatus</i> . <i>Ecological Modelling</i> , 2017, 356, 162-172. | 2.5 | 37 |

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|-----|---|-----|-----------|
| 109 | Revisiting the behavioural framework of feeding in predatory aquatic mammals. Proceedings of the Royal Society B: Biological Sciences, 2017, 284, 20171035. | 2.6 | 27 |
| 110 | What difference does a century make? Shifts in the ecosystem structure of the Ross Sea, Antarctica, as evidenced from a sentinel species, the Weddell seal. Proceedings of the Royal Society B: Biological Sciences, 2017, 284, 20170927. | 2.6 | 19 |
| 111 | Big data analyses reveal patterns and drivers of the movements of southern elephant seals. Scientific Reports, 2017, 7, 112. | 3.3 | 33 |
| 112 | Oxygen minimum zone: An important oceanographic habitat for deep-diving northern elephant seals, <i>Mirounga angustirostris</i> . Ecology and Evolution, 2017, 7, 6259-6270. | 1.9 | 49 |
| 113 | Suite of simple metrics reveals common movement syndromes across vertebrate taxa. Movement Ecology, 2017, 5, 12. | 2.8 | 67 |
| 114 | State-dependent behavioural theory for assessing the fitness consequences of anthropogenic disturbance on capital and income breeders. Methods in Ecology and Evolution, 2017, 8, 552-560. | 5.2 | 36 |
| 115 | Linking mesopelagic prey abundance and distribution to the foraging behavior of a deep-diving predator, the northern elephant seal. Deep-Sea Research Part II: Topical Studies in Oceanography, 2017, 140, 163-170. | 1.4 | 52 |
| 116 | A Synergistic Approach for Evaluating Climate Model Output for Ecological Applications. Frontiers in Marine Science, 2017, 4, . | 2.5 | 37 |
| 117 | Foraging Behavior and Energetics of Albatrosses in Contrasting Breeding Environments. Frontiers in Marine Science, 2017, 4, . | 2.5 | 4 |
| 118 | Route Fidelity during Marine Megafauna Migration. Frontiers in Marine Science, 2017, 4, . | 2.5 | 42 |
| 119 | Intraspecific variation in feeding strategies of Galapagos sea lions: A case of trophic specialization. PLoS ONE, 2017, 12, e0185165. | 2.5 | 25 |
| 120 | Ocean Observations Using Tagged Animals. Oceanography, 2017, 30, 139-139. | 1.0 | 27 |
| 121 | Marine Mammals Exploring the Oceans Pole to Pole: A Review of the MEOP Consortium. Oceanography, 2017, 30, 132-138. | 1.0 | 123 |
| 122 | Diving Physiology, Foraging and Reproductive Behavior of the Galapagos Sea Lion (<i>Zalophus</i>) | | 10 |
| 123 | East or west: the energetic cost of being a gray whale and the consequence of losing energy to disturbance. Endangered Species Research, 2017, 34, 167-183. | 2.4 | 37 |
| 124 | Foraging niche separation in sympatric temperate-latitude fur seal species. Marine Ecology - Progress Series, 2017, 566, 229-241. | 1.9 | 19 |
| 125 | Energy and prey requirements of California sea lions under variable environmental conditions. Marine Ecology - Progress Series, 2017, 567, 235-247. | 1.9 | 17 |
| 126 | Circumpolar habitat use in the southern elephant seal: implications for foraging success and population trajectories. Ecosphere, 2016, 7, e01213. | 2.2 | 126 |

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|-----|--|-----|-----------|
| 127 | Monitoring population-level responses of marine mammals to human activities. <i>Marine Mammal Science</i> , 2016, 32, 1004-1021. | 1.8 | 27 |
| 128 | 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 |
| 129 | Seals and sea lions are what they eat, plus what? Determination of trophic discrimination factors for seven pinniped species. <i>Rapid Communications in Mass Spectrometry</i> , 2016, 30, 1115-1122. | 1.5 | 22 |
| 130 | Mercury correlations among blood, muscle, and hair of northern elephant seals during the breeding and molting fasts. <i>Environmental Toxicology and Chemistry</i> , 2016, 35, 2103-2110. | 4.3 | 14 |
| 131 | Assessing the exposure of animals to acoustic disturbance: Towards an understanding of the population consequences of disturbance. <i>Proceedings of Meetings on Acoustics</i> , 2016, , . | 0.3 | 9 |
| 132 | Developing priority variables ("ecosystem Essential Ocean Variables" eEOVs) for observing dynamics and change in Southern Ocean ecosystems. <i>Journal of Marine Systems</i> , 2016, 161, 26-41. | 2.1 | 89 |
| 133 | Foraging strategies of a generalist marine predator inhabiting a dynamic environment. <i>Oecologia</i> , 2016, 182, 995-1005. | 2.0 | 30 |
| 134 | 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 |
| 135 | Regional variability in diving physiology and behavior in a widely distributed air-breathing marine predator, the South American sea lion <i>Otaria byronia</i> . <i>Journal of Experimental Biology</i> , 2016, 219, 2320-30. | 1.7 | 18 |
| 136 | Toward a national animal telemetry network for aquatic observations in the United States. <i>Animal Biotelemetry</i> , 2016, 4, . | 1.9 | 40 |
| 137 | An animal-borne active acoustic tag for minimally invasive behavioral response studies on marine mammals. <i>Animal Biotelemetry</i> , 2016, 4, . | 1.9 | 14 |
| 138 | Effects of El Niño-driven changes in wind patterns on North Pacific albatrosses. <i>Journal of the Royal Society Interface</i> , 2016, 13, 20160196. | 3.4 | 29 |
| 139 | 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 |
| 140 | Key Questions in Marine Megafauna Movement Ecology. <i>Trends in Ecology and Evolution</i> , 2016, 31, 463-475. | 8.7 | 397 |
| 141 | Evaluating Hair as a Predictor of Blood Mercury: The Influence of Ontogenetic Phase and Life History in Pinnipeds. <i>Archives of Environmental Contamination and Toxicology</i> , 2016, 70, 28-45. | 4.1 | 25 |
| 142 | Effects of Age, Colony, and Sex on Mercury Concentrations in California Sea Lions. <i>Archives of Environmental Contamination and Toxicology</i> , 2016, 70, 46-55. | 4.1 | 14 |
| 143 | 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 |
| 144 | Stochastic dynamic programming: An approach for modelling the population consequences of disturbance due to lost foraging opportunities. <i>Proceedings of Meetings on Acoustics</i> , 2016, , . | 0.3 | 5 |

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|-----|--|-----|-----------|
| 145 | Sexual segregation in habitat use is smaller than expected in a highly dimorphic marine predator, the southern sea lion. <i>Marine Ecology - Progress Series</i> , 2016, 554, 201-211. | 1.9 | 19 |
| 146 | Whisker growth dynamics in two North Pacific pinnipeds: implications for determining foraging ecology from stable isotope analysis. <i>Marine Ecology - Progress Series</i> , 2016, 554, 213-224. | 1.9 | 39 |
| 147 | A fully coupled ecosystem model to predict the foraging ecology of apex predators in the California Current. <i>Marine Ecology - Progress Series</i> , 2016, 556, 273-285. | 1.9 | 16 |
| 148 | A bioenergetics model to evaluate demographic consequences of disturbance in marine mammals applied to gray whales. <i>Ecosphere</i> , 2015, 6, 1-19. | 2.2 | 81 |
| 149 | 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 |
| 150 | Shadowed by scale: subtle behavioral niche partitioning in two sympatric, tropical breeding albatross species. <i>Movement Ecology</i> , 2015, 3, 28. | 2.8 | 39 |
| 151 | Foraging behavior links climate variability and reproduction in North Pacific albatrosses. <i>Movement Ecology</i> , 2015, 3, 27. | 2.8 | 28 |
| 152 | Reproductive constraints influence habitat accessibility, segregation, and preference of sympatric albatross species. <i>Movement Ecology</i> , 2015, 3, 34. | 2.8 | 25 |
| 153 | How do overwinter changes in body condition and hormone profiles influence eddell seal reproductive success?. <i>Functional Ecology</i> , 2015, 29, 1278-1291. | 3.6 | 30 |
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