

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	Tracking apex marine predator movements in a dynamic ocean. <i>Nature</i> , 2011, 475, 86-90.	27.8	1,038
2	Climate change and Southern Ocean ecosystems I: how changes in physical habitats directly affect marine biota. <i>Global Change Biology</i> , 2014, 20, 3004-3025.	9.5	448
3	Migratory shearwaters integrate oceanic resources across the Pacific Ocean in an endless summer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 12799-12802.	7.1	434
4	Key Questions in Marine Megafauna Movement Ecology. <i>Trends in Ecology and Evolution</i> , 2016, 31, 463-475.	8.7	397
5	Predicted habitat shifts of Pacific top predators in a changing climate. <i>Nature Climate Change</i> , 2013, 3, 234-238.	18.8	390
6	The soundscape of the Anthropocene ocean. <i>Science</i> , 2021, 371, .	12.6	376
7	Dynamic ocean management: Defining and conceptualizing real-time management of the ocean. <i>Marine Policy</i> , 2015, 58, 42-50.	3.2	346
8	Fast and fuel efficient? Optimal use of wind by flying albatrosses. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2000, 267, 1869-1874.	2.6	342
9	Whales as marine ecosystem engineers. <i>Frontiers in Ecology and the Environment</i> , 2014, 12, 377-385.	4.0	308
10	Continuous, deep diving in female northern elephant seals, <i>Mirounga angustirostris</i> . <i>Canadian Journal of Zoology</i> , 1988, 66, 446-458.	1.0	296
11	FORAGING ECOLOGY OF NORTHERN ELEPHANT SEALS. <i>Ecological Monographs</i> , 2000, 70, 353-382.	5.4	291
12	Variations in behavior and condition of a Southern Ocean top predator in relation to <i>in situ</i> oceanographic conditions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 13705-13710.	7.1	291
13	A dynamic ocean management tool to reduce bycatch and support sustainable fisheries. <i>Science Advances</i> , 2018, 4, eaar3001.	10.3	280
14	Translating Marine Animal Tracking Data into Conservation Policy and Management. <i>Trends in Ecology and Evolution</i> , 2019, 34, 459-473.	8.7	256
15	Foraging Ecology of Northern Elephant Seals. <i>Ecological Monographs</i> , 2000, 70, 353.	5.4	254
16	The Evolution of Maximum Body Size of Terrestrial Mammals. <i>Science</i> , 2010, 330, 1216-1219.	12.6	252
17	The energetics of lactation in the Northern elephant seal, <i>Mirounga angustirostris</i> . <i>Journal of Zoology</i> , 1986, 209, 21-33.	1.7	250
18	Drivers and hotspots of extinction risk in marine mammals. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 3395-3400.	7.1	237

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19	Water and Energy Flux in Elephant Seal Pups Fasting under Natural Conditions. <i>Physiological Zoology</i> , 1978, 51, 166-178.	1.5	235
20	Water flux in animals: analysis of potential errors in the tritiated water method. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 1980, 238, R454-R465.	1.8	234
21	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
22	Cumulative human impacts on marine predators. <i>Nature Communications</i> , 2013, 4, 2688.	12.8	212
23	Accuracy of ARGOS Locations of Pinnipeds at-Sea Estimated Using Fastloc GPS. <i>PLoS ONE</i> , 2010, 5, e8677.	2.5	204
24	Foraging Energetics of Antarctic Fur Seals in Relation to Changes in Prey Availability. <i>Ecology</i> , 1989, 70, 596-606.	3.2	198
25	Behavioural estimation of blue whale movements in the Northeast Pacific from state-space model analysis of satellite tracks. <i>Endangered Species Research</i> , 2009, 10, 93-106.	2.4	197
26	Understanding the population consequences of disturbance. <i>Ecology and Evolution</i> , 2018, 8, 9934-9946.	1.9	186
27	ENERGETICS OF A BENTHIC DIVER: SEASONAL FORAGING ECOLOGY OF THE AUSTRALIAN SEA LION, NEOPHOCA CINEREA. <i>Ecological Monographs</i> , 2003, 73, 27-43.	5.4	185
28	Drift diving in female northern elephant seals: implications for food processing. <i>Canadian Journal of Zoology</i> , 1997, 75, 27-39.	1.0	180
29	Stroke frequency, but not swimming speed, is related to body size in free-ranging seabirds, pinnipeds and cetaceans. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2007, 274, 471-477.	2.6	176
30	Field Physiology: Physiological Insights from Animals in Nature. <i>Annual Review of Physiology</i> , 2004, 66, 209-238.	13.1	174
31	New Insights into Pelagic Migrations: Implications for Ecology and Conservation. <i>Annual Review of Ecology, Evolution, and Systematics</i> , 2012, 43, 73-96.	8.3	172
32	MATERNAL TRAITS AND REPRODUCTIVE EFFORT IN NORTHERN ELEPHANT SEALS. <i>Ecology</i> , 2001, 82, 3541-3555.	3.2	164
33	Functional significance of sexual dimorphism in Wandering Albatrosses, <i>Diomedea exulans</i> . <i>Functional Ecology</i> , 2001, 15, 203-210.	3.6	162
34	Diving depths and energy requirements of king penguins. <i>Science</i> , 1982, 217, 726-727.	12.6	159
35	Heart Rates of Northern Elephant Seals Diving at Sea and Resting on the Beach. <i>Journal of Experimental Biology</i> , 1997, 200, 2083-2095.	1.7	158
36	Reproductive and Foraging Energetics of High Latitude Penguins, Albatrosses and Pinnipeds: Implications for Life History Patterns. <i>American Zoologist</i> , 1991, 31, 111-130.	0.7	157

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37	Unravelling the mysteries of a mesopelagic diet: a large apex predator specializes on small prey. <i>Functional Ecology</i> , 2013, 27, 710-717.	3.6	157
38	Tracking of marine predators to protect Southern Ocean ecosystems. <i>Nature</i> , 2020, 580, 87-92.	27.8	156
39	Using short-term measures of behaviour to estimate long-term fitness of southern elephant seals. <i>Marine Ecology - Progress Series</i> , 2014, 496, 99-108.	1.9	156
40	Southern Ocean frontal structure and sea-ice formation rates revealed by elephant seals. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 11634-11639.	7.1	152
41	Extreme hypoxemic tolerance and blood oxygen depletion in diving elephant seals. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2009, 297, R927-R939.	1.8	149
42	Oxygen consumption, thermoregulation, and the effect of fur oiling and washing on the sea otter, <i>Enhydra lutris</i> . <i>Canadian Journal of Zoology</i> , 1982, 60, 2761-2767.	1.0	147
43	Interpolation of animal tracking data in a fluid environment. <i>Journal of Experimental Biology</i> , 2006, 209, 128-140.	1.7	142
44	Effects of Buoyancy on the Diving Behavior of Northern Elephant Seals. <i>Journal of Experimental Biology</i> , 1998, 201, 2349-2358.	1.7	140
45	Moult energetics of the northern elephant seal (<i>Mirounga angustirostris</i>). <i>Journal of Zoology</i> , 1992, 227, 257-265.	1.7	135
46	Swim speed in a female northern elephant seal: metabolic and foraging implications. <i>Canadian Journal of Zoology</i> , 1992, 70, 786-795.	1.0	131
47	Biologging technologies: new tools for conservation. Introduction. <i>Endangered Species Research</i> , 2010, 10, 1-7.	2.4	131
48	Animal-Borne Telemetry: An Integral Component of the Ocean Observing Toolkit. <i>Frontiers in Marine Science</i> , 2019, 6, .	2.5	127
49	Circumpolar habitat use in the southern elephant seal: implications for foraging success and population trajectories. <i>Ecosphere</i> , 2016, 7, e01213.	2.2	126
50	High-energy, high-fat lifestyle challenges an Arctic apex predator, the polar bear. <i>Science</i> , 2018, 359, 568-572.	12.6	126
51	Using Satellite Tracking to Optimize Protection of Long-Lived Marine Species: Olive Ridley Sea Turtle Conservation in Central Africa. <i>PLoS ONE</i> , 2011, 6, e19905.	2.5	124
52	Changes in Standard Metabolism during Long-Term Fasting in Northern Elephant Seal Pups (<i>Mirounga angustirostris</i>). <i>Physiological Zoology</i> , 1992, 65, 97-111.	1.5	123
53	Autonomous Pinniped Environmental Samplers: Using Instrumented Animals as Oceanographic Data Collectors. <i>Journal of Atmospheric and Oceanic Technology</i> , 2001, 18, 1882-1893.	1.3	123
54	Aerobic dive limit: how often does it occur in nature?. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2001, 129, 771-783.	1.8	123

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55	Comparison of light- and SST-based geolocation with satellite telemetry in free-ranging albatrosses. <i>Marine Biology</i> , 2005, 147, 833-843.	1.5	123
56	Marine Mammals Exploring the Oceans Pole to Pole: A Review of the MEOP Consortium. <i>Oceanography</i> , 2017, 30, 132-138.	1.0	123
57	Reproductive and foraging energetics of pinnipeds: Implications for life history patterns. , 1991, , 300-344.		122
58	Contribution of Specific Dynamic Action to Heat Balance and Thermoregulation in the Sea Otter <i>Enhydra lutris</i> . <i>Physiological Zoology</i> , 1984, 57, 199-203.	1.5	119
59	When does physiology limit the foraging behaviour of freely diving mammals?. <i>International Congress Series</i> , 2004, 1275, 359-366.	0.2	115
60	Diving behavior of juvenile northern elephant seals. <i>Canadian Journal of Zoology</i> , 1996, 74, 1632-1644.	1.0	114
61	Foraging effort in relation to the constraints of reproduction in free-ranging albatrosses. <i>Functional Ecology</i> , 2003, 17, 66-74.	3.6	114
62	Hawaiian albatrosses track interannual variability of marine habitats in the North Pacific. <i>Progress in Oceanography</i> , 2010, 86, 246-260.	3.2	114
63	Three-dimensional resting behaviour of northern elephant seals: drifting like a falling leaf. <i>Biology Letters</i> , 2010, 6, 163-166.	2.3	114
64	Approaches to Studying Climatic Change and its Role on the Habitat Selection of Antarctic Pinnipeds. <i>Integrative and Comparative Biology</i> , 2010, 50, 1018-1030.	2.0	113
65	Multiple foraging strategies in a marine apex predator, the Galapagos sea lion <i>Zalophus wollebaeki</i> . <i>Marine Ecology - Progress Series</i> , 2008, 363, 299-309.	1.9	111
66	Revealing pelagic habitat use: the tagging of Pacific pelagics program. <i>Oceanologica Acta: European Journal of Oceanology - Revue Europeene De Oceanologie</i> , 2002, 25, 255-266.	0.7	110
67	Impact of El Niño on the foraging behavior of female northern elephant seals. <i>Marine Ecology - Progress Series</i> , 2006, 309, 1-10.	1.9	110
68	Estimates of the Southern Ocean general circulation improved by animal-borne instruments. <i>Geophysical Research Letters</i> , 2013, 40, 6176-6180.	4.0	108
69	Species- and sex-specific differences in foraging behaviour and foraging zones in blue-footed and brown boobies in the Gulf of California. <i>Marine Ecology - Progress Series</i> , 2009, 391, 267-278.	1.9	108
70	The maximum rate of mammal evolution. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 4187-4190.	7.1	107
71	Stable isotope analyses reveal individual variability in the trophic ecology of a top marine predator, the southern elephant seal. <i>Oecologia</i> , 2012, 169, 395-406.	2.0	107
72	Maneuverability by the sea lion <i>Zalophus californianus</i> : turning performance of an unstable body design. <i>Journal of Experimental Biology</i> , 2003, 206, 667-674.	1.7	106

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73	A programmable acoustic recording tag and first results from free-ranging northern elephant seals. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 1998, 45, 1327-1351.	1.4	105
74	The political biogeography of migratory marine predators. <i>Nature Ecology and Evolution</i> , 2018, 2, 1571-1578.	7.8	104
75	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
76	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
77	Onboard acoustic recording from diving northern elephant seals. <i>Journal of the Acoustical Society of America</i> , 1996, 100, 2531-2539.	1.1	101
78	Separation of foraging habitat among breeding sites of a colonial marine predator, the northern fur seal (<i>Callorhinus ursinus</i>). <i>Canadian Journal of Zoology</i> , 2004, 82, 20-29.	1.0	101
79	Maternal Energy Investment in Elephant Seal Pups: Evidence for Sexual Equality?. <i>American Naturalist</i> , 1993, 141, 466-480.	2.1	100
80	Deadly diving? Physiological and behavioural management of decompression stress in diving mammals. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2012, 279, 1041-1050.	2.6	99
81	Ecological niche modeling of sympatric krill predators around Marguerite Bay, Western Antarctic Peninsula. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2011, 58, 1729-1740.	1.4	98
82	Chapter 5. Free-Ranging Energetics of Northern Fur Seals. , 1986, , 79-101.		98
83	Responses of Antarctic pack-ice seals to environmental change and increasing krill fishing. <i>Biological Conservation</i> , 2012, 149, 40-50.	4.1	96
84	Diving and Swimming Performance of White Whales, <i>Delphinapterus leucas</i> : an Assessment of Plasma Lactate and Blood Gas Levels and Respiratory Rates. <i>Journal of Experimental Biology</i> , 1997, 200, 3091-3099.	1.7	96
85	BEHAVIORAL AND PHYSIOLOGICAL MEASUREMENTS OF MATERNAL INVESTMENT IN THE STELLER SEA LION, <i>EUMETOPIAS JUBATUS</i> . <i>Marine Mammal Science</i> , 1988, 4, 44-58.	1.8	95
86	Effects of buoyancy on the diving behavior of northern elephant seals. <i>Journal of Experimental Biology</i> , 1998, 201, 2349-58.	1.7	95
87	Individual dietary specialization and dive behaviour in the California sea otter: Using archival timeâ€‘depth data to detect alternative foraging strategies. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2007, 54, 330-342.	1.4	94
88	Heart rates of northern elephant seals diving at sea and resting on the beach. <i>Journal of Experimental Biology</i> , 1997, 200, 2083-95.	1.7	94
89	Total body oxygen stores and physiological diving capacity of California sea lions as a function of sex and age. <i>Journal of Experimental Biology</i> , 2007, 210, 278-289.	1.7	92
90	Morphological and thermal properties of mammalian insulation: the evolutionary transition to blubber in pinnipeds. <i>Biological Journal of the Linnean Society</i> , 2012, 107, 774-787.	1.6	92

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91	Milk Intake of Elephant Seal Pups: An Index of Parental Investment. <i>American Naturalist</i> , 1984, 124, 416-422.	2.1	92
92	Measurements of foraging success in a highly pelagic marine predator, the northern elephant seal. <i>Journal of Animal Ecology</i> , 2010, 79, 1146-1156.	2.8	89
93	Condition and mass impact oxygen stores and dive duration in adult female northern elephant seals. <i>Journal of Experimental Biology</i> , 2010, 213, 585-592.	1.7	89
94	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
95	The shifting baseline of northern fur seal ecology in the northeast Pacific Ocean. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 9709-9714.	7.1	87
96	Water conservation and protein metabolism in northern elephant seal pups during the postweaning fast. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 1993, 163, 367-73.	1.5	86
97	The importance of sample size in marine megafauna tagging studies. <i>Ecological Applications</i> , 2019, 29, e01947.	3.8	86
98	Analytical approaches to investigating seabird–environment interactions: a review. <i>Marine Ecology - Progress Series</i> , 2009, 391, 153-163.	1.9	86
99	Relating endocrinology, physiology and behaviour using species with alternative mating strategies. <i>Functional Ecology</i> , 2007, 21, 653-665.	3.6	85
100	Pattern and depth of dives in Northern elephant seals, <i>Mirounga angustirostris</i> . <i>Journal of Zoology</i> , 2009, 208, 1-7.	1.7	85
101	Northern elephant seals adjust gliding and stroking patterns with changes in buoyancy: validation of at-sea metrics of body density. <i>Journal of Experimental Biology</i> , 2011, 214, 2973-2987.	1.7	85
102	Behavioural factors affecting foraging effort of breeding wandering albatrosses. <i>Journal of Animal Ecology</i> , 2001, 70, 864-874.	2.8	84
103	Diving and swimming performance of white whales, <i>Delphinapterus leucas</i> : an assessment of plasma lactate and blood gas levels and respiratory rates. <i>Journal of Experimental Biology</i> , 1997, 200, 3091-9.	1.7	84
104	Mass Changes and Metabolism during the Perinatal Fast: A Comparison between Antarctic (<i>Arctocephalus gazella</i>) and Galápagos Fur Seals (<i>Arctocephalus galapagoensis</i>). <i>Physiological Zoology</i> , 1988, 61, 160-169.	1.5	83
105	Localization and visual verification of a complex minke whale vocalization. <i>Journal of the Acoustical Society of America</i> , 2001, 109, 3038-3047.	1.1	83
106	Winter habitat use and foraging behavior of crabeater seals along the Western Antarctic Peninsula. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2004, 51, 2279-2303.	1.4	83
107	PCBs and DDT in the serum of juvenile California sea lions: associations with vitamins A and E and thyroid hormones. <i>Environmental Pollution</i> , 2005, 134, 323-332.	7.5	83
108	Movement and diving behavior of male California sea lion (<i>Zalophus californianus</i>) during anomalous oceanographic conditions of 2005 compared to those of 2004. <i>Geophysical Research Letters</i> , 2006, 33, .	4.0	83

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109	Time to eat: measurements of feeding behaviour in a large marine predator, the northern elephant seal <i>Mirounga angustirostris</i> . <i>Journal of Animal Ecology</i> , 2009, 78, 513-523.	2.8	83
110	Ontogeny of diving behaviour in the Australian sea lion: trials of adolescence in a late bloomer. <i>Journal of Animal Ecology</i> , 2006, 75, 358-367.	2.8	82
111	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
112	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
113	Standard metabolic rate at the surface and during trained submersions in adult California sea lions (<i>Zalophus californianus</i>). <i>Journal of Experimental Biology</i> , 2001, 204, 3273-3281.	1.7	80
114	A conceptual model of the variation in parental attendance in response to environmental fluctuation: foraging energetics of lactating sea lions and fur seals. <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , 2007, 17, S44-S52.	2.0	79
115	Developing integrated models of Southern Ocean food webs: Including ecological complexity, accounting for uncertainty and the importance of scale. <i>Progress in Oceanography</i> , 2012, 102, 74-92.	3.2	79
116	The role of body size in individual-based foraging strategies of a top marine predator. <i>Ecology</i> , 2010, 91, 1004-1015.	3.2	78
117	Dynamic habitat models: using telemetry data to project fisheries bycatch. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2011, 278, 3191-3200.	2.6	78
118	Spatial and Temporal Occurrence of Blue Whales off the U.S. West Coast, with Implications for Management. <i>PLoS ONE</i> , 2014, 9, e102959.	2.5	78
119	Using Energetic Models to Investigate the Survival and Reproduction of Beaked Whales (family) <i>Tj ETQq1 1 0.784314 rgBT /Overlock</i>	2.5	78
120	The Secret Life of Marine Mammals: Novel Tools for Studying Their Behavior and Biology at Sea. <i>Oceanography</i> , 1993, 6, 120-128.	1.0	75
121	The Contribution of Nasal Countercurrent Heat Exchange to Water Balance in the Northern Elephant Seal, <i>Mirounga Angustirostris</i> . <i>Journal of Experimental Biology</i> , 1984, 113, 447-454.	1.7	75
122	Protein Catabolism and Renal Function in Lactating Northern Elephant Seals. <i>Physiological Zoology</i> , 1998, 71, 485-491.	1.5	74
123	Protein catabolism in suckling and fasting northern elephant seal pups (<i>Mirounga angustirostris</i>). <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2001, 171, 635-642.	1.5	74
124	Development of Body Oxygen Stores in Harbor Seals: Effects of Age, Mass, and Body Composition. <i>Physiological and Biochemical Zoology</i> , 2005, 78, 1057-1068.	1.5	74
125	Spatiotemporal habitat use by breeding sooty shearwaters <i>Puffinus griseus</i> . <i>Marine Ecology - Progress Series</i> , 2009, 391, 209-220.	1.9	74
126	LONG DISTANCE OFFSHORE MOVEMENTS OF BOTTLENOSE DOLPHINS1. <i>Marine Mammal Science</i> , 1999, 15, 1098-1114.	1.8	71

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127	Swimming speed and foraging strategies of New Zealand sea lions (<i>Phocarctos hookeri</i>). <i>Journal of Zoology</i> , 2001, 254, 267-277.	1.7	71
128	State-space methods for more completely capturing behavioral dynamics from animal tracks. <i>Ecological Modelling</i> , 2012, 235-236, 49-58.	2.5	71
129	Ontogeny of oxygen stores and physiological diving capability in Australian sea lions. <i>Functional Ecology</i> , 2007, 21, 922-935.	3.6	70
130	Foraging behavior of lactating South American sea lions (<i>Otaria flavescens</i>) and spatial-temporal resource overlap with the Uruguayan fisheries. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2013, 88-89, 106-119.	1.4	70
131	Effects of forced diving on the spleen and hepatic sinus in northern elephant seal pups. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2001, 98, 9413-9418.	7.1	68
132	Energy reserve utilization in northern elephant seal (<i>Mirounga angustirostris</i>) pups during the postweaning fast: size does matter. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2003, 173, 443-454.	1.5	68
133	Wind, Waves, and Wing Loading: Morphological Specialization May Limit Range Expansion of Endangered Albatrosses. <i>PLoS ONE</i> , 2008, 3, e4016.	2.5	68
134	Linking foraging behaviour of the northern elephant seal with oceanography and bathymetry at mesoscales. <i>Marine Ecology - Progress Series</i> , 2007, 346, 265-275.	1.9	68
135	Fatty acid metabolism in fasting elephant seal pups. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 1987, 157, 445-449.	1.5	67
136	Suite of simple metrics reveals common movement syndromes across vertebrate taxa. <i>Movement Ecology</i> , 2017, 5, 12.	2.8	67
137	Delivering Sustained, Coordinated, and Integrated Observations of the Southern Ocean for Global Impact. <i>Frontiers in Marine Science</i> , 2019, 6, .	2.5	67
138	Age, body mass and environmental variation shape the foraging ontogeny of Galapagos sea lions. <i>Marine Ecology - Progress Series</i> , 2012, 453, 279-296.	1.9	67
139	Morphological and thermal properties of mammalian insulation: the evolution of fur for aquatic living. <i>Biological Journal of the Linnean Society</i> , 2012, 106, 926-939.	1.6	66
140	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
141	Multimegahertz-range acoustic data obtained by bottom-mounted hydrophone arrays for measurement of ocean temperature. <i>IEEE Journal of Oceanic Engineering</i> , 1999, 24, 202-214.	3.8	65
142	Upper ocean variability in west Antarctic Peninsula continental shelf waters as measured using instrumented seals. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2008, 55, 323-337.	1.4	64
143	Evolutionary theory as a tool for predicting extinction risk. <i>Trends in Ecology and Evolution</i> , 2015, 30, 61-65.	8.7	64
144	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

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145	Fractal landscape method: an alternative approach to measuring area-restricted searching behavior. <i>Journal of Experimental Biology</i> , 2007, 210, 935-945.	1.7	63
146	Swimming speed and foraging strategies of northern elephant seals. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2007, 54, 369-383.	1.4	62
147	Oceanic controls on the mass balance of Wilkins Ice Shelf, Antarctica. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	62
148	Foraging energetics and diving behavior of lactating New Zealand sea lions, <i>Phocarctos hookeri</i> . <i>Journal of Experimental Biology</i> , 2000, 203, 3655-65.	1.7	62
149	Energy, Nitrogen, and Electrolyte Flux and Sea Water Drinking in the Sea Otter <i>Enhydra lutris</i> . <i>Physiological Zoology</i> , 1982, 55, 35-44.	1.5	61
150	Diving deeper into individual foraging specializations of a large marine predator, the southern sea lion. <i>Oecologia</i> , 2015, 179, 1053-1065.	2.0	61
151	Evaluating the function of the male harbour seal, <i>Phoca vitulina</i> , roar through playback experiments. <i>Animal Behaviour</i> , 2004, 67, 1133-1139.	1.9	60
152	An overview of the Southern Ocean Global Ocean Ecosystems Dynamics program. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2004, 51, 1921-1924.	1.4	60
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