

Scott D Kraus

List of Publications by Year in descending order

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Version: 2024-02-01

62
papers

3,729
citations

172386

29
h-index

149623

56
g-index

62
all docs

62
docs citations

62
times ranked

2498
citing authors

#	ARTICLE	IF	CITATIONS
1	Evidence that ship noise increases stress in right whales. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2012, 279, 2363-2368.	1.2	406
2	ECOLOGY: Enhanced: North Atlantic Right Whales in Crisis. <i>Science</i> , 2005, 309, 561-562.	6.0	257
3	Understanding the population consequences of disturbance. <i>Ecology and Evolution</i> , 2018, 8, 9934-9946.	0.8	186
4	Overcoming the challenges of studying conservation physiology in large whales: a review of available methods. , 2013, 1, cot006-cot006.		177
5	Acoustic alarms reduce porpoise mortality. <i>Nature</i> , 1997, 388, 525-525.	13.7	162
6	Underestimating the damage: interpreting cetacean carcass recoveries in the context of the Deepwater Horizon/BP incident. <i>Conservation Letters</i> , 2011, 4, 228-233.	2.8	157
7	RATES AND POTENTIAL CAUSES OF MORTALITY IN NORTH ATLANTIC RIGHT WHALES (<i>EUBALAENA GLACIALIS</i>). <i>Marine Mammal Science</i> , 1990, 6, 278-291.	0.9	144
8	Assessing reproductive status of right whales (<i>Eubalaena glacialis</i>) using fecal hormone metabolites. <i>General and Comparative Endocrinology</i> , 2005, 142, 308-317.	0.8	139
9	State-space mark-recapture estimates reveal a recent decline in abundance of North Atlantic right whales. <i>Ecology and Evolution</i> , 2017, 7, 8730-8741.	0.8	137
10	Reproduction in North Atlantic right whales (<i>Eubalaena glacialis</i>). <i>Canadian Journal of Zoology</i> , 1994, 72, 1297-1305.	0.4	135
11	Visual health assessment of North Atlantic right whales (<i>Eubalaena glacialis</i>) using photographs. <i>Canadian Journal of Zoology</i> , 2004, 82, 8-19.	0.4	134
12	Long-term passive acoustic recordings track the changing distribution of North Atlantic right whales (<i>Eubalaena glacialis</i>) from 2004 to 2014. <i>Scientific Reports</i> , 2017, 7, 13460.	1.6	120
13	FISHING GEAR INVOLVED IN ENTANGLEMENTS OF RIGHT AND HUMPBACK WHALES. <i>Marine Mammal Science</i> , 2005, 21, 635-645.	0.9	115
14	Analysis of fecal glucocorticoids in the North Atlantic right whale (<i>Eubalaena glacialis</i>). <i>General and Comparative Endocrinology</i> , 2006, 148, 260-272.	0.8	115
15	Rapid Climate-Driven Circulation Changes Threaten Conservation of Endangered North Atlantic Right Whales. <i>Oceanography</i> , 2019, 32, .	0.5	97
16	Satellite-Monitored Movements of the Northern Right Whale. <i>Journal of Wildlife Management</i> , 1997, 61, 1393.	0.7	94
17	Effects of fishing rope strength on the severity of large whale entanglements. <i>Conservation Biology</i> , 2016, 30, 318-328.	2.4	68
18	Exploring movement patterns and changing distributions of baleen whales in the western North Atlantic using a decade of passive acoustic data. <i>Global Change Biology</i> , 2020, 26, 4812-4840.	4.2	64

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19	Understanding the combined effects of multiple stressors: A new perspective on a longstanding challenge. <i>Science of the Total Environment</i> , 2022, 821, 153322.	3.9	64
20	Fishing Techniques to Reduce the Bycatch of Threatened Marine Animals. <i>Marine Technology Society Journal</i> , 2006, 40, 50-68.	0.3	60
21	Assessment of the population structure of western North Atlantic right whales (<i>Eubalaena glacialis</i>) based on sighting and mtDNA data. <i>Canadian Journal of Zoology</i> , 1993, 71, 339-345.	0.4	57
22	THE GUNSHOT SOUND PRODUCED BY MALE NORTH ATLANTIC RIGHT WHALES (<i>EUBALAENA GLACIALIS</i>) AND ITS POTENTIAL FUNCTION IN REPRODUCTIVE ADVERTISEMENT. <i>Marine Mammal Science</i> , 2005, 21, 458-475.	0.9	53
23	Detection of steroid and thyroid hormones <i>via</i> immunoassay of North Atlantic right whale (<i>Eubalaena glacialis</i>) respiratory vapor. <i>Marine Mammal Science</i> , 2014, 30, 796-809.	0.9	52
24	Persistent near real-time passive acoustic monitoring for baleen whales from a moored buoy: System description and evaluation. <i>Methods in Ecology and Evolution</i> , 2019, 10, 1476-1489.	2.2	51
25	Using Hierarchical Bayes to Understand Movement, Health, and Survival in the Endangered North Atlantic Right Whale. <i>PLoS ONE</i> , 2013, 8, e64166.	1.1	49
26	Particulate hexavalent chromium is cytotoxic and genotoxic to the North Atlantic right whale (<i>Eubalaena glacialis</i>) lung and skin fibroblasts. <i>Environmental and Molecular Mutagenesis</i> , 2009, 50, 387-393.	0.9	48
27	Recent Scientific Publications Cast Doubt on North Atlantic Right Whale Future. <i>Frontiers in Marine Science</i> , 2016, 3, .	1.2	48
28	Hexavalent chromium is cytotoxic and genotoxic to the North Atlantic right whale (<i>Eubalaena</i>) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 387</i> <i>Mutagenesis</i> , 2008, 650, 30-38.	0.9	44
29	Quantifying hormones in exhaled breath for physiological assessment of large whales at sea. <i>Scientific Reports</i> , 2018, 8, 10031.	1.6	42
30	Future Directions in <i>Eubalaena</i> spp.: Comparative Research to Inform Conservation. <i>Frontiers in Marine Science</i> , 2019, 5, .	1.2	33
31	Adrenal responses of large whales: Integrating fecal aldosterone as a complementary biomarker to glucocorticoids. <i>General and Comparative Endocrinology</i> , 2017, 252, 103-110.	0.8	31
32	OCCURRENCE, COMPOSITION, AND POTENTIAL FUNCTIONS OF NORTH ATLANTIC RIGHT WHALE (<i>EUBALAENA GLACIALIS</i>) SURFACE ACTIVE GROUPS. <i>Marine Mammal Science</i> , 2007, 23, 868-887.	0.9	30
33	Monitoring population-level responses of marine mammals to human activities. <i>Marine Mammal Science</i> , 2016, 32, 1004-1021.	0.9	27
34	Organochlorine levels in North Atlantic right whale (<i>Eubalaena glacialis</i>) blubber. <i>Archives of Environmental Contamination and Toxicology</i> , 1991, 21, 141-145.	2.1	25
35	Get the most out of blow hormones: validation of sampling materials, field storage and extraction techniques for whale respiratory vapour samples. , 2016, 4, cow024.		25
36	Comparison of genetic variability of North and South Atlantic right whales (<i>Eubalaena</i>), using DNA fingerprinting. <i>Canadian Journal of Zoology</i> , 1997, 75, 1073-1080.	0.4	24

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37	Sources and Rates of Errors in Methods of Individual Identification for North Atlantic Right Whales. <i>Journal of Mammalogy</i> , 2009, 90, 1246-1255.	0.6	23
38	Striking the right balance in right whale conservation. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2009, 66, 1399-1403.	0.7	21
39	Cytotoxicity and genotoxicity of hexavalent chromium in human and North Atlantic right whale (<i>Eubalaena glacialis</i>) lung cells. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2009, 150, 487-494.	1.3	20
40	Cryptic mortality of North Atlantic right whales. <i>Conservation Science and Practice</i> , 2021, 3, e346.	0.9	20
41	The impact of entanglements on two substocks of the western North Atlantic humpback whale, <i>Megaptera novaeangliae</i> . <i>Canadian Journal of Zoology</i> , 1995, 73, 1689-1698.	0.4	18
42	A right whale pootree: classification trees of faecal hormones identify reproductive states in North Atlantic right whales (<i>Eubalaena glacialis</i>). , 2017, 5, cox006.		18
43	Observation of a Right Whale (<i>Eubalaena glacialis</i>) Birth in the Coastal Waters of the Southeast United States. <i>Aquatic Mammals</i> , 2008, 34, 21-24.	0.4	14
44	Shark predation on North Atlantic right whales (<i>Eubalaena glacialis</i>) in the southeastern United States calving ground. <i>Marine Mammal Science</i> , 2013, 29, 204-212.	0.9	13
45	Fishing gear entanglement threatens recovery of critically endangered North Atlantic right whales. <i>Conservation Science and Practice</i> , 2022, 4, .	0.9	11
46	Estimated calf and perinatal mortality in western North Atlantic right whales (<i>Eubalaena glacialis</i>). <i>Marine Mammal Science</i> , 2009, 26, 648.	0.9	10
47	Automated Vertical Photography for Detecting Pelagic Species in Multitaxon Aerial Surveys. <i>Marine Technology Society Journal</i> , 2014, 48, 36-48.	0.3	10
48	Distribution and abundance of cetaceans in a wind energy development area offshore of Massachusetts and Rhode Island. <i>Journal of Coastal Conservation</i> , 2017, 21, 527-543.	0.7	10
49	A Scientific Basis for Designation of the Northeast Canyons and Seamounts Marine National Monument. <i>Frontiers in Marine Science</i> , 2020, 7, .	1.2	10
50	Conservation Physiology of an Uncatchable Animal: The North Atlantic Right Whale (<i>Eubalaena</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.9	9
51	Co-Occurrence Mapping of Disparate Data Sets to Assess Potential Aquaculture Sites in the Gulf of Maine. <i>Reviews in Fisheries Science and Aquaculture</i> , 2018, 26, 70-85.	5.1	9
52	Simulation of the entanglement of a North Atlantic right whale (<i>Eubalaena glacialis</i>) with fixed fishing gear. <i>Marine Mammal Science</i> , 2019, 35, 760-778.	0.9	9
53	Reciprocal Exchange and Subsequent Adoption of Calves by Two North Atlantic Right Whales (<i>Eubalaena glacialis</i>). <i>Aquatic Mammals</i> , 2010, 36, 115-120.	0.4	7
54	Surveying for Discovery, Science, and Management. , 2010, , 105-137.		5

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55	Fishing for a New Paradigm – Balancing Sustainability, Profitability, and Safety in Modern Fisheries. Marine Technology Society Journal, 2006, 40, 4-5.	0.3	4
56	Effects of Model Formulation on Estimates of Health in Individual Right Whales (<i>Eubalaena glacialis</i>). Advances in Experimental Medicine and Biology, 2016, 875, 977-985.	0.8	3
57	Expert Elicitation of Population-Level Effects of Disturbance. Advances in Experimental Medicine and Biology, 2016, 875, 295-302.	0.8	3
58	Entanglement of Whales in Fishing Gear. , 2018, , 336.		3
59	Baleen whale species on brink of extinction for first time in 300 years. Nature, 2018, 554, 169-169.	13.7	3
60	Identifying predictors of species diversity to guide designation of marine protected areas. Conservation Science and Practice, 0, , .	0.9	3
61	Medaka (<i>Oryzias latipes</i>) as a sentinel species for aquatic animals: Medaka cells exhibit a similar genotoxic response as North Atlantic right whale cells. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2009, 149, 210-214.	1.3	2
62	<i>Balaenoptera ricei</i> is also the Gulf of Mexico whale. Marine Mammal Science, 2022, 38, 847-849.	0.9	1