

# Akinori Takahashi

## List of Publications by Year in descending order

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Version: 2024-02-01

46  
papers

2,864  
citations

201674

27  
h-index

233421

45  
g-index

46  
all docs

46  
docs citations

46  
times ranked

3219  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Inter-colony foraging area segregation quantified in small colonies of Ad�lie Penguins. <i>Ibis</i> , 2021, 163, 90-98.	1.9	9
3	Global political responsibility for the conservation of albatrosses and large petrels. <i>Science Advances</i> , 2021, 7, .	10.3	38
4	Lightscares of fear: How mesopredators balance starvation and predation in the open ocean. <i>Science Advances</i> , 2021, 7, .	10.3	27
5	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
6	Tracking of marine predators to protect Southern Ocean ecosystems. <i>Nature</i> , 2020, 580, 87-92.	27.8	156
7	The retrospective analysis of Antarctic tracking data project. <i>Scientific Data</i> , 2020, 7, 94.	5.3	27
8	Foraging behavior links sea ice to breeding success in Antarctic penguins. <i>Science Advances</i> , 2020, 6, eaba4828.	10.3	35
9	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
10	Ad�lie penguins' extensive seasonal migration supports dynamic Marine Protected Area planning in Antarctica. <i>Marine Policy</i> , 2019, 109, 103692.	3.2	14
11	Translating Marine Animal Tracking Data into Conservation Policy and Management. <i>Trends in Ecology and Evolution</i> , 2019, 34, 459-473.	8.7	256
12	Niche partitioning of sympatric penguins by leapfrog foraging appears to be resilient to climate change. <i>Journal of Animal Ecology</i> , 2019, 88, 223-235.	2.8	14
13	Inferring prey size variation from mandible acceleration in northern elephant seals. <i>Marine Mammal Science</i> , 2019, 35, 893-908.	1.8	8
14	Rhinoceros Auklet pairmates migrate independently but synchronize their foraging activity during the pre-laying period. <i>Ibis</i> , 2018, 160, 832-845.	1.9	5
15	Spatial scales of marine conservation management for breeding seabirds. <i>Marine Policy</i> , 2018, 98, 37-46.	3.2	77
16	Reproductive performance and diving behaviour share a common sea-ice concentration optimum in Ad�lie penguins ( <i>Pygoscelis adeliae</i> ). <i>Global Change Biology</i> , 2018, 24, 5304-5317.	9.5	34
17	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
18	Large-scale population assessment informs conservation management for seabirds in Antarctica and the Southern Ocean: A case study of Ad�lie penguins. <i>Global Ecology and Conservation</i> , 2017, 9, 104-115.	2.1	30

#	ARTICLE	IF	CITATIONS
19	Oxygen minimum zone: An important oceanographic habitat for deep-diving northern elephant seals, <i>Mirounga angustirostris</i> . <i>Ecology and Evolution</i> , 2017, 7, 6259-6270.	1.9	49
20	Recent studies overestimate colonization and extinction events for Adélie Penguin breeding colonies. <i>Auk</i> , 2017, 134, 39-50.	1.4	8
21	Differential responses of seabirds to environmental variability over 2 years in the continental shelf and oceanic habitats of southeastern Bering Sea. <i>Biogeosciences</i> , 2016, 13, 2405-2414.	3.3	10
22	Foraging segregation of two congeneric diving seabird species breeding on St. George Island, Bering Sea. <i>Biogeosciences</i> , 2016, 13, 2579-2591.	3.3	16
23	Key Questions in Marine Megafauna Movement Ecology. <i>Trends in Ecology and Evolution</i> , 2016, 31, 463-475.	8.7	397
24	Spatially Extensive Standardized Surveys Reveal Widespread, Multi-Decadal Increase in East Antarctic Adélie Penguin Populations. <i>PLoS ONE</i> , 2015, 10, e0139877.	2.5	47
25	The jellyfish buffet: jellyfish enhance seabird foraging opportunities by concentrating prey. <i>Biology Letters</i> , 2015, 11, 20150358.	2.3	24
26	The foraging benefits of being fat in a highly migratory marine mammal. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2014, 281, 20142120.	2.6	45
27	Testing optimal foraging theory in a penguin-krill system. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2014, 281, 20132376.	2.6	64
28	Heart rate and estimated energy expenditure of flapping and gliding in black-browed albatrosses. <i>Journal of Experimental Biology</i> , 2013, 216, 3175-82.	1.7	28
29	Proximity of krill and salps in an Antarctic coastal ecosystem: evidence from penguin-mounted cameras. <i>Polar Biology</i> , 2013, 36, 1857-1864.	1.2	11
30	Linking animal-borne video to accelerometers reveals prey capture variability. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 2199-2204.	7.1	202
31	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
32	Scaling of swim speed in breath-hold divers. <i>Journal of Animal Ecology</i> , 2011, 80, 57-68.	2.8	72
33	Penguin head movement detected using small accelerometers: a proxy of prey encounter rate. <i>Journal of Experimental Biology</i> , 2011, 214, 3760-3767.	1.7	53
34	Comparison of diving behavior and foraging habitat use between chinstrap and gentoo penguins breeding in the South Shetland Islands, Antarctica. <i>Marine Biology</i> , 2010, 157, 811-825.	1.5	84
35	Scaling of swim speed and stroke frequency in geometrically similar penguins: they swim optimally to minimize cost of transport. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2010, 277, 707-714.	2.6	53
36	Individual Variation of Foraging Behavior and Food Provisioning in Adélie Penguins ( <i>Pygoscelis</i> )	1.4	4

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37	Advances in biologging science: a review of bird studies. Japanese Journal of Ornithology, 2010, 59, 3-19.	0.1	7
38	Can Ethograms Be Automatically Generated Using Body Acceleration Data from Free-Ranging Birds?. PLoS ONE, 2009, 4, e5379.	2.5	351
39	From the Eye of the Albatrosses: A Bird-Borne Camera Shows an Association between Albatrosses and a Killer Whale in the Southern Ocean. PLoS ONE, 2009, 4, e7322.	2.5	44
40	Krill-feeding behaviour of gentoo penguins as shown by animal-borne camera loggers. Polar Biology, 2008, 31, 1291-1294.	1.2	43
41	Thick-billed murres use different diving behaviors in mixed and stratified waters. Deep-Sea Research Part II: Topical Studies in Oceanography, 2008, 55, 1837-1845.	1.4	56
42	Synchronous diving behavior of Adelië penguins. Journal of Ethology, 2004, 22, 5-11.	0.8	40
43	Feeding area specialization of chick-rearing Adelië Penguins <i>Pygoscelis adeliae</i> in a fast sea-ice area. Ibis, 2003, 145, 558-564.	1.9	24
44	An application of optimal diving models to diving behaviour of Brännich's guillemots. Animal Behaviour, 2002, 64, 739-745.	1.9	72
45	Water temperature sampling by foraging Brännich's Guillemots with bird-borne data loggers. Journal of Avian Biology, 2001, 32, 189-193.	1.2	39
46	The Designated Shipping Avoidance Area Around St. Lawrence Island, Northern Bering Sea, Is not Sufficient to Protect Foraging Habitat of the Island's Breeding Seabird Community. Frontiers in Marine Science, 0, 9, .	2.5	0