

# Philip N Trathan

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/801148/publications.pdf>

Version: 2024-02-01

54  
papers

3,470  
citations

159585

30  
h-index

161849

54  
g-index

54  
all docs

54  
docs citations

54  
times ranked

3167  
citing authors

#	ARTICLE	IF	CITATIONS
1	Environmental Change and Antarctic Seabird Populations. <i>Science</i> , 2002, 297, 1510-1514.	12.6	371
2	Spatial and temporal operation of the Scotia Sea ecosystem: a review of large-scale links in a krill centred food web. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2007, 362, 113-148.	4.0	298
3	Translating Marine Animal Tracking Data into Conservation Policy and Management. <i>Trends in Ecology and Evolution</i> , 2019, 34, 459-473.	8.7	256
4	Environmental forcing and Southern Ocean marine predator populations: effects of climate change and variability. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2007, 362, 2351-2365.	4.0	175
5	Tracking of marine predators to protect Southern Ocean ecosystems. <i>Nature</i> , 2020, 580, 87-92.	27.8	156
6	Interannual variability of the South Georgia marine ecosystem: biological and physical sources of variation in the abundance of krill. <i>Fisheries Oceanography</i> , 1998, 7, 381-390.	1.7	150
7	Climatically driven fluctuations in Southern Ocean ecosystems. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2007, 274, 3057-3067.	2.6	148
8	THE EFFECTS OF GLOBAL CLIMATE VARIABILITY IN PUP PRODUCTION OF ANTARCTIC FUR SEALS. <i>Ecology</i> , 2005, 86, 2408-2417.	3.2	143
9	Habitat preference, accessibility, and competition limit the global distribution of breeding Black-browed Albatrosses. <i>Ecological Monographs</i> , 2011, 81, 141-167.	5.4	122
10	Oceanographic variability and changes in Antarctic krill ( <i>Euphausia superba</i> ) abundance at South Georgia. <i>Fisheries Oceanography</i> , 2003, 12, 569-583.	1.7	110
11	Advection in polar and sub-polar environments: Impacts on high latitude marine ecosystems. <i>Progress in Oceanography</i> , 2016, 149, 40-81.	3.2	95
12	Interannual variability in Antarctic krill ( <i>Euphausia superba</i> ) density at South Georgia, Southern Ocean: 1997-2013. <i>ICES Journal of Marine Science</i> , 2014, 71, 2578-2588.	2.5	94
13	Biomass of Antarctic krill in the Scotia Sea in January/February 2000 and its use in revising an estimate of precautionary yield. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2004, 51, 1215-1236.	1.4	80
14	Ecosystem services of the Southern Ocean: trade-offs in decision-making. <i>Antarctic Science</i> , 2013, 25, 603-617.	0.9	70
15	Ecological drivers of change at South Georgia: the krill surplus, or climate variability. <i>Ecography</i> , 2012, 35, 983-993.	4.5	69
16	Feeding strategies and diets of breeding grey-headed and wandering albatrosses at South Georgia. <i>Marine Biology</i> , 2003, 143, 221-232.	1.5	68
17	The Importance of Krill Predation in the Southern Ocean. <i>Advances in Polar Ecology</i> , 2016, , 321-350.	1.3	66
18	Successful ecosystem-based management of Antarctic krill should address uncertainties in krill recruitment, behaviour and ecological adaptation. <i>Communications Earth &amp; Environment</i> , 2020, 1, .	6.8	64

#	ARTICLE	IF	CITATIONS
19	Marine Ecosystem Assessment for the Southern Ocean: Birds and Marine Mammals in a Changing Climate. <i>Frontiers in Ecology and Evolution</i> , 2020, 8, .	2.2	63
20	Status and distribution of wandering, black-browed and grey-headed albatrosses breeding at South Georgia. <i>Polar Biology</i> , 2006, 29, 772-781.	1.2	62
21	Love thy neighbour or opposites attract? Patterns of spatial segregation and association among crested penguin populations during winter. <i>Journal of Biogeography</i> , 2014, 41, 1183-1192.	3.0	59
22	The South Georgia and the South Sandwich Islands MPA. <i>Advances in Marine Biology</i> , 2014, 69, 15-78.	1.4	52
23	Krill biomass in the Atlantic. <i>Nature</i> , 1995, 373, 201-202.	27.8	45
24	Managing fishery development in sensitive ecosystems: identifying penguin habitat use to direct management in Antarctica. <i>Ecosphere</i> , 2018, 9, e02392.	2.2	45
25	Using habitat models for chinstrap penguins <i>Pygoscelis antarctica</i> to advise krill fisheries management during the penguin breeding season. <i>Diversity and Distributions</i> , 2018, 24, 1756-1771.	4.1	42
26	Winter distribution and haul-out behaviour of female Antarctic fur seals from South Georgia. <i>Marine Biology</i> , 2012, 159, 291-301.	1.5	39
27	Hemispheric asymmetry in ocean change and the productivity of ecosystem sentinels. <i>Science</i> , 2021, 372, 980-983.	12.6	38
28	The emperor penguin - Vulnerable to projected rates of warming and sea ice loss. <i>Biological Conservation</i> , 2020, 241, 108216.	4.1	35
29	Emperors on thin ice: three years of breeding failure at Halley Bay. <i>Antarctic Science</i> , 2019, 31, 133-138.	0.9	33
30	Post-breeding dispersal of Adelie penguins ( <i>Pygoscelis adeliae</i> ) nesting at Signy Island, South Orkney Islands. <i>Polar Biology</i> , 2011, 34, 205-214.	1.2	32
31	Too much of a good thing: sea ice extent may have forced emperor penguins into refugia during the last glacial maximum. <i>Global Change Biology</i> , 2015, 21, 2215-2226.	9.5	32
32	The call of the emperor penguin: Legal responses to species threatened by climate change. <i>Global Change Biology</i> , 2021, 27, 5008-5029.	9.5	30
33	Discovery of new colonies by Sentinel2 reveals good and bad news for emperor penguins. <i>Remote Sensing in Ecology and Conservation</i> , 2021, 7, 139-153.	4.3	28
34	Global Connectivity of Southern Ocean Ecosystems. <i>Frontiers in Ecology and Evolution</i> , 2021, 9, .	2.2	28
35	The risk to fishery performance associated with spatially resolved management of Antarctic krill ( <i>Euphausia superba</i> ) harvesting. <i>ICES Journal of Marine Science</i> , 2009, 66, 2148-2154.	2.5	26
36	Long-term variability in the diet and reproductive performance of penguins at Bird Island, South Georgia. <i>Marine Biology</i> , 2017, 164, 1.	1.5	26

#	ARTICLE	IF	CITATIONS
37	Applying science to pressing conservation needs for penguins. <i>Conservation Biology</i> , 2020, 34, 103-112.	4.7	26
38	Enhancing the ecosystem approach for the fishery for Antarctic krill within the complex, variable, and changing ecosystem at South Georgia. <i>ICES Journal of Marine Science</i> , 2021, 78, 2065-2081.	2.5	21
39	Identification of marine Important Bird and Biodiversity Areas for penguins around the South Shetland Islands and South Orkney Islands. <i>Ecology and Evolution</i> , 2018, 8, 10520-10529.	1.9	20
40	Using seabird and whale distribution models to estimate spatial consumption of krill to inform fishery management. <i>Ecosphere</i> , 2022, 13, .	2.2	19
41	Habitat preferences of Adelie <i>Pygoscelis adeliae</i> and Chinstrap Penguins <i>Pygoscelis antarctica</i> during pre-moult in the Weddell Sea (Southern Ocean). <i>Polar Biology</i> , 2019, 42, 703-714.	1.2	17
42	Developing UAV Monitoring of South Georgia and the South Sandwich Islandsâ€™ Iconic Land-Based Marine Predators. <i>Frontiers in Marine Science</i> , 2021, 8, .	2.5	15
43	Utilising IPCC assessments to support the ecosystem approach to fisheries management within a warming Southern Ocean. <i>Marine Policy</i> , 2021, 131, 104589.	3.2	15
44	Do krill fisheries compete with macaroni penguins? Spatial overlap in prey consumption and catches during winter. <i>Diversity and Distributions</i> , 2015, 21, 1339-1348.	4.1	14
45	Estimating the average distribution of Antarctic krill <i>Euphausia superba</i> at the northern Antarctic Peninsula during austral summer and winter. <i>Polar Biology</i> , 2022, 45, 857-871.	1.2	11
46	Interannual variability in the early growth rate and size of the Antarctic fish <i>Gobionotothen gibberifrons</i> (Linnberg). <i>Antarctic Science</i> , 1998, 10, 416-422.	0.9	9
47	Multi-scale assessment of distribution and density of procellariiform seabirds within the Northern Antarctic Peninsula marine ecosystem. <i>ICES Journal of Marine Science</i> , 2021, 78, 1324-1339.	2.5	9
48	Voluntary actions by the Antarctic krill fishing industry help reduce potential negative impacts on land-based marine predators during breeding, highlighting the need for CCAMLR action. <i>ICES Journal of Marine Science</i> , 2022, 79, 1457-1466.	2.5	9
49	Predicting foraging dive outcomes in chinstrap penguins using biologging and animal-borne cameras. <i>Behavioral Ecology</i> , 2022, 33, 989-998.	2.2	8
50	Using habitat models to identify marine important bird and biodiversity areas for Chinstrap Penguins <i>Pygoscelis antarcticus</i> in the South Orkney Islands. <i>Polar Biology</i> , 2019, 42, 17-25.	1.2	6
51	Using habitat models for chinstrap penguins, <i>Pygoscelis antarctica</i> , to inform marine spatial management around the South Sandwich Islands during the penguin breeding season. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2022, 199, 105093.	1.4	6
52	Variation among colonies in breeding success and population trajectories of wandering albatrosses <i>Diomedea exulans</i> at South Georgia. <i>Polar Biology</i> , 2021, 44, 221-227.	1.2	5
53	Wintertime overlaps between female Antarctic fur seals ( <i>Arctocephalus gazella</i> ) and the krill fishery at South Georgia, South Atlantic. <i>PLoS ONE</i> , 2021, 16, e0248071.	2.5	5
54	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