

# Sally E Thorpe

## List of Publications by Year in descending order

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Version: 2024-02-01

62  
papers

3,469  
citations

147801

31  
h-index

144013

57  
g-index

67  
all docs

67  
docs citations

67  
times ranked

3156  
citing authors

#	ARTICLE	IF	CITATIONS
1	Microplastics in the Antarctic marine system: An emerging area of research. <i>Science of the Total Environment</i> , 2017, 598, 220-227.	8.0	519
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	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
4	Climatically driven fluctuations in Southern Ocean ecosystems. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2007, 274, 3057-3067.	2.6	148
5	Technical Note: Animal-borne CTD-Satellite Relay Data Loggers for real-time oceanographic data collection. <i>Ocean Science</i> , 2009, 5, 685-695.	3.4	146
6	Circumpolar connections between Antarctic krill ( <i>Euphausia superba</i> Dana) populations: Investigating the roles of ocean and sea ice transport. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2007, 54, 792-810.	1.4	114
7	Surface Circulation at the Tip of the Antarctic Peninsula from Drifters. <i>Journal of Physical Oceanography</i> , 2009, 39, 3-26.	1.7	110
8	Variability of the southern Antarctic Circumpolar Current front north of South Georgia. <i>Journal of Marine Systems</i> , 2002, 37, 87-105.	2.1	107
9	The winter pack-ice zone provides a sheltered but food-poor habitat for larval Antarctic krill. <i>Nature Ecology and Evolution</i> , 2017, 1, 1853-1861.	7.8	96
10	Magnitude and maintenance of the phytoplankton bloom at South Georgia: a naturally iron-replete environment. <i>Marine Ecology - Progress Series</i> , 2008, 368, 75-91.	1.9	73
11	Antarctic Circumpolar Current frontal system in the South Atlantic: Monitoring using merged Argo and animal-borne sensor data. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	66
12	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
13	An anticyclonic circulation above the Northwest Georgia Rise, Southern Ocean. <i>Geophysical Research Letters</i> , 2003, 30, .	4.0	61
14	Tracking passive drifters in a high resolution ocean model: implications for interannual variability of larval krill transport to South Georgia. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2004, 51, 909-920.	1.4	58
15	Primary production across the Scotia Sea in relation to the physico-chemical environment. <i>Journal of Marine Systems</i> , 2005, 57, 231-249.	2.1	57
16	Recruitment of Antarctic krill <i>Euphausia superba</i> in the South Georgia region: adult fecundity and the fate of larvae. <i>Marine Ecology - Progress Series</i> , 2007, 331, 161-179.	1.9	56
17	Southern Antarctic Circumpolar Current Front to the northeast of South Georgia: Horizontal advection of krill and its role in the ecosystem. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	54
18	Southern ACC Front to the northeast of South Georgia: Pathways, characteristics, and fluxes. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	52

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19	Variability in hydrographic conditions to the east and northwest of South Georgia, 1996–2001. <i>Journal of Marine Systems</i> , 2005, 53, 143-167.	2.1	52
20	Food web structure and bioregions in the Scotia Sea: A seasonal synthesis. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2012, 59-60, 253-266.	1.4	49
21	Formation, transport and decay of an intense phytoplankton bloom within the High-Nutrient Low-Chlorophyll belt of the Southern Ocean. <i>Journal of Marine Systems</i> , 2008, 70, 150-167.	2.1	46
22	Thirty years of marine debris in the Southern Ocean: Annual surveys of two island shores in the Scotia Sea. <i>Environment International</i> , 2020, 136, 105460.	10.0	46
23	The Southern Antarctic Circumpolar Current Front: physical and biological coupling at South Georgia. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2002, 49, 2183-2202.	1.4	44
24	Krill faecal pellets drive hidden pulses of particulate organic carbon in the marginal ice zone. <i>Nature Communications</i> , 2019, 10, 889.	12.8	44
25	Monitoring Drake Passage with elephant seals: Frontal structures and snapshots of transport. <i>Limnology and Oceanography</i> , 2008, 53, 2350-2360.	3.1	43
26	Physical forcing in the southwest Atlantic: ecosystem control. , 2006, , 28-45.		41
27	Transport and structure within the Antarctic Circumpolar Current to the north of south Georgia. <i>Geophysical Research Letters</i> , 2000, 27, 1727-1730.	4.0	39
28	Variability in transport pathways on and around the South Georgia shelf, Southern Ocean: Implications for recruitment and retention. <i>Journal of Geophysical Research: Oceans</i> , 2014, 119, 241-252.	2.6	36
29	Physical and biogeochemical controls on the variability in surface pH and calcium carbonate saturation states in the Atlantic sectors of the Arctic and Southern Oceans. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2016, 127, 7-27.	1.4	36
30	Advective pathways near the tip of the Antarctic Peninsula: Trends, variability and ecosystem implications. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2012, 63, 91-101.	1.4	35
31	Diel vertical migration of Antarctic krill ( <i>Euphausia superba</i> ) is flexible during advection across the Scotia Sea. <i>Journal of Plankton Research</i> , 2009, 31, 1265-1281.	1.8	33
32	Restricted regions of enhanced growth of Antarctic krill in the circumpolar Southern Ocean. <i>Scientific Reports</i> , 2017, 7, 6963.	3.3	33
33	Physical oceanography in the Scotia Sea during the CCAMLR 2000 survey, austral summer 2000. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2004, 51, 1301-1321.	1.4	32
34	Plankton community structure south and west of South Georgia (Southern Ocean): Links with production and physical forcing. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2007, 54, 1871-1889.	1.4	31
35	Validation of three global ocean models in the Weddell Sea. <i>Ocean Modelling</i> , 2009, 30, 1-15.	2.4	31
36	Continuous moulting by Antarctic krill drives major pulses of carbon export in the north Scotia Sea, Southern Ocean. <i>Nature Communications</i> , 2020, 11, 6051.	12.8	31

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37	Global Connectivity of Southern Ocean Ecosystems. <i>Frontiers in Ecology and Evolution</i> , 2021, 9, .	2.2	28
38	Status, Change, and Futures of Zooplankton in the Southern Ocean. <i>Frontiers in Ecology and Evolution</i> , 0, 9, .	2.2	28
39	Do pelagic grazers benefit from sea ice? Insights from the Antarctic sea ice proxy IPSO&it;sub&gt;25&lt;/sub&gt;. <i>Biogeosciences</i> , 2018, 15, 1987-2006.	3.3	27
40	Instantaneous movement of krill swarms in the Antarctic Circumpolar Current. <i>Limnology and Oceanography</i> , 2014, 59, 872-886.	3.1	26
41	Environmental correlates of Antarctic krill distribution in the Scotia Sea and southern Drake Passage. <i>ICES Journal of Marine Science</i> , 2016, 73, 2288-2301.	2.5	26
42	School characteristics of mesopelagic fish at South Georgia. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2013, 81, 62-77.	1.4	24
43	The Effects of Combined Ocean Acidification and Nanoplastic Exposures on the Embryonic Development of Antarctic Krill. <i>Frontiers in Marine Science</i> , 2021, 8, .	2.5	24
44	Circumpolar patterns in Antarctic krill larval recruitment: an environmentally driven model. <i>Marine Ecology - Progress Series</i> , 2019, 613, 77-96.	1.9	24
45	Spatial distributions of Southern Ocean mesozooplankton communities have been resilient to long-term surface warming. <i>Global Change Biology</i> , 2018, 24, 132-142.	9.5	23
46	Distinct Oceanic Microbiomes From Viruses to Protists Located Near the Antarctic Circumpolar Current. <i>Frontiers in Microbiology</i> , 2018, 9, 1474.	3.5	23
47	Seasonal changes in the diet and feeding behaviour of a top predator indicate a flexible response to deteriorating oceanographic conditions. <i>Marine Biology</i> , 2013, 160, 1597-1606.	1.5	21
48	Oceanic swarms of Antarctic krill perform satiation sinking. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2017, 284, 20172015.	2.6	21
49	Comparison of two time-variant forced eddy-permitting global ocean circulation models with hydrography of the Scotia Sea. <i>Ocean Modelling</i> , 2005, 9, 105-132.	2.4	12
50	Physical oceanography in the Scotia Sea during the CCAMLR 2000 survey, austral summer 2000. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2004, 51, 1301-1321.	1.4	11
51	Varying depth and swarm dimensions of open-ocean Antarctic krill <i>Euphausia superba</i> Dana, 1850 (Euphausiacea) over diel cycles. <i>Journal of Crustacean Biology</i> , 2018, , .	0.8	11
52	Implications of increasing Atlantic influence for Arctic microbial community structure. <i>Scientific Reports</i> , 2020, 10, 19262.	3.3	11
53	Ocean currents as a potential dispersal pathway for Antarctica's most persistent non-native terrestrial insect. <i>Polar Biology</i> , 2021, 44, 209-216.	1.2	9
54	Mesozooplankton in the Southern Ocean: Spatial and temporal patterns from Discovery Investigations. <i>Progress in Oceanography</i> , 2014, 120, 305-319.	3.2	8

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55	Acantharian cysts: high flux occurrence in the bathypelagic zone of the Scotia Sea, Southern Ocean. <i>Marine Biology</i> , 2018, 165, 1.	1.5	7
56	Plankton and nekton community structure in the vicinity of the South Sandwich Islands (Southern Ocean). <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2022, 198, 105073.	1.4	6
57	Temporal changes in abundances of large calanoid copepods in the Scotia Sea: comparing the 1930s with contemporary times. <i>Polar Biology</i> , 2018, 41, 2297-2310.	1.2	5
58	Spatial and temporal variability and connectivity of the marine environment of the South Sandwich Islands, Southern Ocean. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2022, 198, 105057.	1.4	5
59	The impact of high-frequency current variability on dispersion off the eastern Antarctic Peninsula. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	2
60	Population characteristics of benthopelagic <i>Gymnoscopelus nicholsi</i> (Pisces: Myctophidae) on the continental shelf of South Georgia (Southern Ocean) during austral summer. <i>Polar Biology</i> , 2022, 45, 789-807.	1.2	2
61	Tracking passive drifters in a high resolution ocean model: implications for interannual variability of larval krill transport to South Georgia. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2004, 51, 909-909.	1.4	1
62	Preface to special issue (Impacts of surface ocean acidification in polar seas and globally: A field-based). <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2022, 198, 105057.	1.4	1