

# Andrew Clarke

## List of Publications by Year in descending order

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Version: 2024-02-01

75  
papers

8,841  
citations

44069

48  
h-index

91884

69  
g-index

84  
all docs

84  
docs citations

84  
times ranked

8586  
citing authors

#	ARTICLE	IF	CITATIONS
1	Seasonal and interannual variability of feeding in Antarctic benthos. <i>Limnology and Oceanography</i> , 2022, 67, 962-972.	3.1	5
2	Life in the freezer: protein metabolism in Antarctic fish. <i>Royal Society Open Science</i> , 2022, 9, 211272.	2.4	5
3	An extreme marine environment: a 14-month record of temperature in a polar tidepool. <i>Polar Biology</i> , 2020, 43, 2021-2030.	1.2	6
4	Energy Flow in Growth and Production. <i>Trends in Ecology and Evolution</i> , 2019, 34, 502-509.	8.7	29
5	Macronutrient supply, uptake and recycling in the coastal ocean of the west Antarctic Peninsula. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2017, 139, 58-76.	1.4	44
6	Drivers of interannual variability in virioplankton abundance at the coastal western Antarctic peninsula and the potential effects of climate change. <i>Environmental Microbiology</i> , 2017, 19, 740-755.	3.8	27
7	Silica cycling and isotopic composition in northern Marguerite Bay on the rapidly-warming western Antarctic Peninsula. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2017, 139, 132-142.	1.4	9
8	Ten principles of thermal ecology. , 2017, , .		18
9	The thermal limits to life on Earth. <i>International Journal of Astrobiology</i> , 2014, 13, 141-154.	1.6	108
10	The spatial structure of Antarctic biodiversity. <i>Ecological Monographs</i> , 2014, 84, 203-244.	5.4	286
11	Diet and body temperature in mammals and birds. <i>Global Ecology and Biogeography</i> , 2014, 23, 1000-1008.	5.8	28
12	The Freshwater System West of the Antarctic Peninsula: Spatial and Temporal Changes. <i>Journal of Climate</i> , 2013, 26, 1669-1684.	3.2	68
13	Dinosaur Energetics: Setting the Bounds on Feasible Physiologies and Ecologies. <i>American Naturalist</i> , 2013, 182, 283-297.	2.1	17
14	Primary production export flux in Marguerite Bay (Antarctic Peninsula): Linking upper water-column production to sediment trap flux. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2013, 75, 52-66.	1.4	42
15	Wintertime controls on summer stratification and productivity at the western Antarctic Peninsula. <i>Limnology and Oceanography</i> , 2013, 58, 1035-1047.	3.1	139
16	Hierarchical Population Genetic Structure in a Direct Developing Antarctic Marine Invertebrate. <i>PLoS ONE</i> , 2013, 8, e63954.	2.5	10
17	A Low Temperature Limit for Life on Earth. <i>PLoS ONE</i> , 2013, 8, e66207.	2.5	117
18	Testing the metabolic theory of ecology. <i>Ecology Letters</i> , 2012, 15, 1465-1474.	6.4	155

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19	Climate-induced change in biogenic bromine emissions from the Antarctic marine biosphere. <i>Global Biogeochemical Cycles</i> , 2012, 26, .	4.9	19
20	Quantifying Antarctic marine biodiversity: The SCAR-MarBIN data portal. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2011, 58, 18-29.	1.4	71
21	Seasonal progression of diatom assemblages in surface waters of Ryder Bay, Antarctica. <i>Polar Biology</i> , 2010, 33, 13-29.	1.2	77
22	Seasonal and interannual variation of dissolved iodine speciation at a coastal Antarctic site. <i>Marine Chemistry</i> , 2010, 118, 171-181.	2.3	49
23	Changes in the freshwater composition of the upper ocean west of the Antarctic Peninsula during the first decade of the 21st century. <i>Progress in Oceanography</i> , 2010, 87, 127-143.	3.2	60
24	Temperature, metabolic power and the evolution of endothermy. <i>Biological Reviews</i> , 2010, 85, 703-727.	10.4	183
25	Scaling of basal metabolic rate with body mass and temperature in mammals. <i>Journal of Animal Ecology</i> , 2010, 79, 610-619.	2.8	171
26	Evolutionary dynamics at high latitudes: speciation and extinction in polar marine faunas. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2010, 365, 3655-3666.	4.0	115
27	Seasonal variation in the diversity and abundance of pelagic larvae of Antarctic marine invertebrates. <i>Marine Biology</i> , 2009, 156, 2033-2047.	1.5	48
28	Exploring biological constraints on the glacial history of Antarctica. <i>Quaternary Science Reviews</i> , 2009, 28, 3035-3048.	3.0	166
29	Seasonal cycle of seawater bromoform and dibromomethane concentrations in a coastal bay on the western Antarctic Peninsula. <i>Global Biogeochemical Cycles</i> , 2009, 23, .	4.9	58
30	Spatial variation in seabed temperatures in the Southern Ocean: Implications for benthic ecology and biogeography. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	84
31	Macrophysiology: A Conceptual Reunification. <i>American Naturalist</i> , 2009, 174, 595-612.	2.1	298
32	Scaling of body temperature in mammals and birds. <i>Functional Ecology</i> , 2008, 22, 58-67.	3.6	85
33	Adult Antarctic Krill Feeding at Abyssal Depths. <i>Current Biology</i> , 2008, 18, 282-285.	3.9	116
34	Antarctic marine benthic diversity: patterns and processes. <i>Journal of Experimental Marine Biology and Ecology</i> , 2008, 366, 48-55.	1.5	93
35	Ice Scour Disturbance in Antarctic Waters. <i>Science</i> , 2008, 321, 371-371.	12.6	76
36	Biologically significant rises in shallow sea temperatures at King George Island, West Antarctic Peninsula. <i>Polar Biology</i> , 2008, , 1.	1.2	0

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37	Variability in the freshwater balance of northern Marguerite Bay, Antarctic Peninsula: Results from 18O. Deep-Sea Research Part II: Topical Studies in Oceanography, 2008, 55, 309-322.	1.4	100
38	On the characteristics of internal tides and coastal upwelling behaviour in Marguerite Bay, west Antarctic Peninsula. Deep-Sea Research Part II: Topical Studies in Oceanography, 2008, 55, 2023-2040.	1.4	29
39	Seasonal and interannual variability in temperature, chlorophyll and macronutrients in northern Marguerite Bay, Antarctica. Deep-Sea Research Part II: Topical Studies in Oceanography, 2008, 55, 1988-2006.	1.4	160
40	Introduction. Antarctic ecology from genes to ecosystems: the impact of climate change and the importance of scale. Philosophical Transactions of the Royal Society B: Biological Sciences, 2007, 362, 5-9.	4.0	43
41	Introduction. Antarctic ecology: from genes to ecosystems. Part 2. Evolution, diversity and functional ecology. Philosophical Transactions of the Royal Society B: Biological Sciences, 2007, 362, 2187-2189.	4.0	13
42	Climate change and the marine ecosystem of the western Antarctic Peninsula. Philosophical Transactions of the Royal Society B: Biological Sciences, 2007, 362, 149-166.	4.0	343
43	Climate Change and Invasibility of the Antarctic Benthos. Annual Review of Ecology, Evolution, and Systematics, 2007, 38, 129-154.	8.3	248
44	Growth in the slow lane: protein metabolism in the Antarctic limpet <i>Nacella concinna</i> (Strebel) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.7	37
45	Climate and diversity: the role of history. , 2007, , 225-245.		2
46	John Croxall and marine conservation biology: an introduction to the symposium. Aquatic Conservation: Marine and Freshwater Ecosystems, 2007, 17, S1-S5.	2.0	0
47	How well do we know the Antarctic marine fauna? A preliminary study of macroecological and biogeographical patterns in Southern Ocean gastropod and bivalve molluscs. Diversity and Distributions, 2007, 13, 620-632.	4.1	104
48	A unique assemblage of epibenthic sessile suspension feeders with archaic features in the high-Antarctic. Deep-Sea Research Part II: Topical Studies in Oceanography, 2006, 53, 1029-1052.	1.4	68
49	Spatial and temporal variation in shallow seawater temperatures around Antarctica. Deep-Sea Research Part II: Topical Studies in Oceanography, 2006, 53, 853-865.	1.4	112
50	An introduction to EASIZ (Ecology of the Antarctic Sea Ice Zone): An integrated programme of water column, benthos and benthic-pelagic coupling in the coastal environment of Antarctica. Deep-Sea Research Part II: Topical Studies in Oceanography, 2006, 53, 803-814.	1.4	21
51	Biodiversity and biogeography of Antarctic and sub-Antarctic mollusca. Deep-Sea Research Part II: Topical Studies in Oceanography, 2006, 53, 985-1008.	1.4	175
52	Climate, energy and diversity. Proceedings of the Royal Society B: Biological Sciences, 2006, 273, 2257-2266.	2.6	357
53	Genomics: applications to Antarctic ecosystems. Polar Biology, 2005, 28, 351-365.	1.2	44
54	LARGE-SCALE BIOGEOGRAPHIC PATTERNS IN MARINE MOLLUSKS: A CONFLUENCE OF HISTORY AND PRODUCTIVITY?. Ecology, 2005, 86, 2288-2297.	3.2	127

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55	How isolated is Antarctica?. Trends in Ecology and Evolution, 2005, 20, 1-3.	8.7	253
56	Evolution and diversity of the benthic fauna of the Southern Ocean continental shelf. Antarctic Science, 2004, 16, 559-568.	0.9	127
57	Growth in the limpet <i>Nacella concinna</i> from contrasting sites in Antarctica. Polar Biology, 2004, 28, 62.	1.2	57
58	Antarctic Genomics. Comparative and Functional Genomics, 2004, 5, 230-238.	2.0	34
59	Impact of the 1997/98 ENSO on upper ocean characteristics in Marguerite Bay, western Antarctic Peninsula. Journal of Geophysical Research, 2004, 109, .	3.3	60
60	Costs and consequences of evolutionary temperature adaptation. Trends in Ecology and Evolution, 2003, 18, 573-581.	8.7	392
61	Polar marine ecosystems: major threats and future change. Environmental Conservation, 2003, 30, 1-25.	1.3	103
62	Spatial patterns of diversity in the sea: bryozoan species richness in the North Atlantic. Journal of Animal Ecology, 2000, 69, 799-814.	2.8	131
63	Scaling of metabolic rate with body mass and temperature in teleost fish. Journal of Animal Ecology, 1999, 68, 893-905.	2.8	1,104
64	The distribution, abundance and seasonality of pelagic marine invertebrate larvae in the maritime Antarctic. Philosophical Transactions of the Royal Society B: Biological Sciences, 1999, 354, 471-484.	4.0	84
65	A Comparison of Adaptive Radiations of Antarctic Fish with those of NonAntarctic Fish. , 1998, , 3-26.		57
66	Diversity, latitude and time: Patterns in the shallow sea. , 1997, , 122-147.		68
67	Evolution and adaptive radiation of antarctic fishes. Trends in Ecology and Evolution, 1996, 11, 212-218.	8.7	188
68	The seasonal cycle of phytoplankton, macronutrients, and the microbial community in a nearshore antarctic marine ecosystem. Limnology and Oceanography, 1996, 41, 1281-1294.	3.1	158
69	Seasonality of feeding activity in Antarctic suspension feeders. Polar Biology, 1995, 15, 335.	1.2	112
70	Temporal variation in Antarctic sea-ice: analysis of a long term fast-ice record from the South Orkney Islands. Deep-Sea Research Part I: Oceanographic Research Papers, 1995, 42, 1045-1062.	1.4	156
71	Seasonal variation in the feeding activity of four species of Antarctic bryozoan in relation to environmental factors. Journal of Experimental Marine Biology and Ecology, 1994, 181, 117-133.	1.5	63
72	Population dynamics of marine benthic invertebrates in Antarctic and subantarctic environments: are there unique adaptations?. Antarctic Science, 1993, 5, 253-266.	0.9	144

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73	Temperature and extinction in the sea: a physiologist's view. <i>Paleobiology</i> , 1993, 19, 499-518.	2.0	96
74	What Is Cold Adaptation and How Should We Measure It?. <i>American Zoologist</i> , 1991, 31, 81-92.	0.7	249
75	Seasonality in the antarctic marine environment. <i>Comparative Biochemistry and Physiology Part B: Comparative Biochemistry</i> , 1988, 90, 461-473.	0.2	196