

Zanna Chase

List of Publications by Year in descending order

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71
papers

3,568
citations

147726

31
h-index

138417

58
g-index

83
all docs

83
docs citations

83
times ranked

3952
citing authors

#	ARTICLE	IF	CITATIONS
1	Plastic and natural inorganic microparticles do not differ in their effects on adult mussels (Mytilidae) from different geographic regions. <i>Science of the Total Environment</i> , 2022, 811, 151740.	3.9	10
2	Sea ice changes in the southwest Pacific sector of the Southern Ocean during the last 140,000 years. <i>Climate of the Past</i> , 2022, 18, 465-483.	1.3	4
3	Trace elements and nutrients in wildfire plumes to the southeast of Australia. <i>Atmospheric Research</i> , 2022, 270, 106084.	1.8	11
4	Southern Ocean Phytoplankton Stimulated by Wildfire Emissions and Sustained by Iron Recycling. <i>Geophysical Research Letters</i> , 2022, 49, .	1.5	9
5	Compiled Southern Ocean sea surface temperatures correlate with Antarctic Isotope Maxima. <i>Quaternary Science Reviews</i> , 2021, 255, 106821.	1.4	11
6	Global Ocean Sediment Composition and Burial Flux in the Deep Sea. <i>Global Biogeochemical Cycles</i> , 2021, 35, e2020GB006769.	1.9	46
7	Biogeochemical characteristics of eddies in the East Australian Current depend on eddy type, history and location. <i>Journal of Marine Systems</i> , 2021, 216, 103512.	0.9	4
8	Tracking Southern Ocean Sea Ice Extent With Winter Water: A New Method Based on the Oxygen Isotopic Signature of Foraminifera. <i>Paleoceanography and Paleoclimatology</i> , 2021, 36, e2020PA004095.	1.3	5
9	Southern Ocean Ecosystem Response to Last Glacial Maximum Boundary Conditions. <i>Paleoceanography and Paleoclimatology</i> , 2021, 36, e2020PA004075.	1.3	4
10	A First Intercomparison of the Simulated LGM Carbon Results Within PMIP2 Carbon: Role of the Ocean Boundary Conditions. <i>Paleoceanography and Paleoclimatology</i> , 2021, 36, e2021PA004302.	1.3	5
11	Microplastic Pollution in Deep-Sea Sediments From the Great Australian Bight. <i>Frontiers in Marine Science</i> , 2020, 7, .	1.2	137
12	Glacial and Hydrothermal Sources of Dissolved Iron (II) in Southern Ocean Waters Surrounding Heard and McDonald Islands. <i>Journal of Geophysical Research: Oceans</i> , 2020, 125, e2020JC016286.	1.0	5
13	Scratching the Surface: A Marine Sediment Provenance Record From the Continental Slope of Central Wilkes Land, East Antarctica. <i>Geochemistry, Geophysics, Geosystems</i> , 2020, 21, e2020GC009156.	1.0	9
14	A comparison with natural particles reveals a small specific effect of PVC microplastics on mussel performance. <i>Marine Pollution Bulletin</i> , 2020, 160, 111703.	2.3	19
15	The Sensitivity of the Antarctic Ice Sheet to a Changing Climate: Past, Present, and Future. <i>Reviews of Geophysics</i> , 2020, 58, e2019RG000663.	9.0	49
16	Quantifying Lithogenic Inputs to the Southern Ocean Using Long-Lived Thorium Isotopes. <i>Frontiers in Marine Science</i> , 2020, 7, .	1.2	6
17	High Lability Fe Particles Sourced From Glacial Erosion Can Meet Previously Unaccounted Biological Demand: Heard Island, Southern Ocean. <i>Frontiers in Marine Science</i> , 2019, 6, .	1.2	25
18	Ocean carbon and nitrogen isotopes in CSIRO Mk3L-COAL version 1.0: a tool for palaeoceanographic research. <i>Geoscientific Model Development</i> , 2019, 12, 1491-1523.	1.3	9

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19	Iron availability influences nutrient drawdown in the Heard and McDonald Islands region, Southern Ocean. <i>Marine Chemistry</i> , 2019, 211, 1-14.	0.9	16
20	Pre-concentration of thorium and neodymium isotopes using Nobias chelating resin: Method development and application to chromatographic separation. <i>Talanta</i> , 2019, 202, 600-609.	2.9	10
21	Marine nitrogen fixers mediate a low latitude pathway for atmospheric CO2 drawdown. <i>Nature Communications</i> , 2019, 10, 4611.	5.8	13
22	Sources of Organic Tracers in Atmospheric Dust, Surface Seawater Particulate Matter and Sediment of the Red Sea. <i>Springer Oceanography</i> , 2019, , 75-88.	0.2	6
23	Dynamic Biological Functioning Important for Simulating and Stabilizing Ocean Biogeochemistry. <i>Global Biogeochemical Cycles</i> , 2018, 32, 565-593.	1.9	10
24	Reduced oxygenation at intermediate depths of the southwest Pacific during the last glacial maximum. <i>Earth and Planetary Science Letters</i> , 2018, 491, 48-57.	1.8	12
25	Discovering the Ocean's Past through Geochemistry. <i>Elements</i> , 2018, 14, 397-402.	0.5	8
26	Export production in the New-Zealand region since the Last Glacial Maximum. <i>Earth and Planetary Science Letters</i> , 2017, 469, 110-122.	1.8	17
27	Temporal evolution of mechanisms controlling ocean carbon uptake during the last glacial cycle. <i>Earth and Planetary Science Letters</i> , 2017, 472, 206-215.	1.8	44
28	Detection, dispersal and biogeochemical contribution of hydrothermal iron in the ocean. <i>Marine and Freshwater Research</i> , 2017, 68, 2184.	0.7	14
29	The simulated climate of the Last Glacial Maximum and insights into the global marine carbon cycle. <i>Climate of the Past</i> , 2016, 12, 2271-2295.	1.3	31
30	Improved methodology for the microwave digestion of carbonate-rich environmental samples. <i>International Journal of Environmental Analytical Chemistry</i> , 2016, 96, 119-136.	1.8	17
31	Chemical pollutants in the marine environment: causes, effects, and challenges. , 2016, , 228-246.		1
32	Controls on biogenic silica burial in the Southern Ocean. <i>Global Biogeochemical Cycles</i> , 2015, 29, 1599-1616.	1.9	35
33	Benthic fluxes on the Oregon shelf. <i>Estuarine, Coastal and Shelf Science</i> , 2015, 163, 156-166.	0.9	15
34	Southern-ocean and glaciogenic nutrients control diatom export production on the Chile margin. <i>Quaternary Science Reviews</i> , 2014, 99, 135-145.	1.4	13
35	Different mechanisms of silicic acid leakage and their biogeochemical consequences. <i>Paleoceanography</i> , 2014, 29, 238-254.	3.0	25
36	Reactive iron and manganese distributions in seabed sediments near small mountainous rivers off Oregon and California (USA). <i>Continental Shelf Research</i> , 2013, 54, 67-79.	0.9	50

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37	A review of the Australian–New Zealand sector of the Southern Ocean over the last 30 kya (Aus-INTIMATE project). <i>Quaternary Science Reviews</i> , 2013, 74, 35-57.	1.4	77
38	Dissolution of fluoride complexes following microwave-assisted hydrofluoric acid digestion of marine sediments. <i>Talanta</i> , 2012, 89, 195-200.	2.9	45
39	Microplate-reader method for the rapid analysis of copper in natural waters with chemiluminescence detection. <i>Frontiers in Microbiology</i> , 2012, 3, 437.	1.5	12
40	Controls on deglacial changes in biogenic fluxes in the North Pacific Ocean. <i>Quaternary Science Reviews</i> , 2011, 30, 3350-3363.	1.4	67
41	Evaluating the impact of atmospheric deposition on dissolved trace-metals in the Gulf of Aqaba, Red Sea. <i>Marine Chemistry</i> , 2011, 126, 256-268.	0.9	44
42	Increased glacial-age ventilation of the Chilean margin by Antarctic Intermediate Water. <i>Nature Geoscience</i> , 2010, 3, 23-26.	5.4	56
43	Ice-sheet control of continental erosion in central and southern Chile (36°–41°S) over the last 30,000 years. <i>Quaternary Science Reviews</i> , 2010, 29, 3230-3239.	1.4	14
44	Observing Biogeochemical Cycles at Global Scales with Profiling Floats and Gliders: Prospects for a Global Array. <i>Oceanography</i> , 2009, 22, 216-225.	0.5	171
45	Sources and fluxes of atmospheric trace elements to the Gulf of Aqaba, Red Sea. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	50
46	Development and initial deployments of an autonomous in situ instrument for long-term monitoring of copper (II) in the marine environment. <i>Limnology and Oceanography: Methods</i> , 2008, 6, 336-346.	1.0	7
47	Chapter 11 Sediment Signatures of U- and Th-Series Nuclides and their Application as Paleoceanographic Tracers. <i>Radioactivity in the Environment</i> , 2008, , 383-416.	0.2	1
48	Comment on “Do geochemical estimates of sediment focusing pass the sediment test in the equatorial Pacific?” by M. Lyle et al.. <i>Paleoceanography</i> , 2007, 22, n/a-n/a.	3.0	37
49	Iron links river runoff and shelf width to phytoplankton biomass along the U.S. West Coast. <i>Geophysical Research Letters</i> , 2007, 34, .	1.5	42
50	Developing Standards for Dissolved Iron in Seawater. <i>Eos</i> , 2007, 88, 131.	0.1	237
51	Correction to “Iron links river runoff and shelf width to phytoplankton biomass along the U.S. West Coast”. <i>Geophysical Research Letters</i> , 2007, 34, .	1.5	39
52	Input and cycling of iron in the Gulf of Aqaba, Red Sea. <i>Global Biogeochemical Cycles</i> , 2006, 20, n/a-n/a.	1.9	54
53	Riverine input of macronutrients, iron, and organic matter to the coastal ocean off Oregon, U.S.A., during the winter. <i>Limnology and Oceanography</i> , 2006, 51, 2221-2231.	1.6	50
54	Manganese and iron distributions off central California influenced by upwelling and shelf width. <i>Marine Chemistry</i> , 2005, 95, 235-254.	0.9	88

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55	Distribution and variability of iron input to Oregon coastal waters during the upwelling season. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	57
56	Southern Ocean Iron Enrichment Experiment: Carbon Cycling in High- and Low-Si Waters. <i>Science</i> , 2004, 304, 408-414.	6.0	546
57	Climatically driven changes in oceanic processes throughout the equatorial Pacific. <i>Paleoceanography</i> , 2004, 19, n/a-n/a.	3.0	22
58	Comment on "On the importance of opal, carbonate, and lithogenic clays in scavenging and fractionating ²³⁰ Th, ²³¹ Pa and ¹⁰ Be in the ocean" by S. Luo and T.-L. Ku. <i>Earth and Planetary Science Letters</i> , 2004, 220, 213-222.	1.8	32
59	Scavenging of ²³⁰ Th, ²³¹ Pa and ¹⁰ Be in the Southern Ocean (SW Pacific sector): the importance of particle flux, particle composition and advection. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2003, 50, 739-768.	0.6	71
60	Accumulation of biogenic and lithogenic material in the Pacific sector of the Southern Ocean during the past 40,000 years. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2003, 50, 799-832.	0.6	150
61	Effect of iron limitation on the cadmium to phosphorus ratio of natural phytoplankton assemblages from the Southern Ocean. <i>Limnology and Oceanography</i> , 2003, 48, 1079-1087.	1.6	105
62	Iron, nutrient, and phytoplankton distributions in Oregon coastal waters. <i>Journal of Geophysical Research</i> , 2002, 107, 38-1.	3.3	29
63	The influence of particle composition and particle flux on scavenging of Th, Pa and Be in the ocean. <i>Earth and Planetary Science Letters</i> , 2002, 204, 215-229.	1.8	211
64	Vertical budgets for organic carbon and biogenic silica in the Pacific sector of the Southern Ocean, 1996-1998. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2002, 49, 1645-1674.	0.6	140
65	The Southern Ocean's biological pump during the Last Glacial Maximum. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2002, 49, 1909-1938.	0.6	121
66	Evidence from authigenic uranium for increased productivity of the glacial subantarctic ocean. <i>Paleoceanography</i> , 2001, 16, 468-478.	3.0	74
67	Benthic remineralization and burial of biogenic SiO ₂ , CaCO ₃ , organic carbon, and detrital material in the Southern Ocean along a transect at 170° West. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2001, 48, 4323-4383.	0.6	91
68	Acid mine tailings in southern Spain. <i>Science of the Total Environment</i> , 1999, 242, 221-229.	3.9	46
69	Recent mine spill adds to contamination of southern Spain. <i>Eos</i> , 1998, 79, 449-449.	0.1	13
70	Metabolic consequences of iron deficiency in heterotrophic marine protozoa. <i>Limnology and Oceanography</i> , 1997, 42, 1673-1684.	1.6	59
71	Quantifying and characterising metal concentrations in Derwent Estuary sediments using portable X-ray fluorescence spectrometry. <i>Australian Journal of Earth Sciences</i> , 0, , 1-15.	0.4	0