

Sandy J Thomalla

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

1,068
citations

516710

16
h-index

677142

22
g-index

30
all docs

30
docs citations

30
times ranked

1376
citing authors

#	ARTICLE	IF	CITATIONS
1	Southern Ocean deep-water carbon export enhanced by natural iron fertilization. <i>Nature</i> , 2009, 457, 577-580.	27.8	338
2	Regional scale characteristics of the seasonal cycle of chlorophyll in the Southern Ocean. <i>Biogeosciences</i> , 2011, 8, 2849-2866.	3.3	146
3	Validation and Intercomparison of Ocean Color Algorithms for Estimating Particulate Organic Carbon in the Oceans. <i>Frontiers in Marine Science</i> , 2017, 4, .	2.5	56
4	Does a ballast effect occur in the surface ocean?. <i>Geophysical Research Letters</i> , 2010, 37, .	4.0	47
5	Isotopic evidence for nitrification in the Antarctic winter mixed layer. <i>Global Biogeochemical Cycles</i> , 2015, 29, 427-445.	4.9	47
6	Variable export fluxes and efficiencies for calcite, opal, and organic carbon in the Atlantic Ocean: A ballast effect in action?. <i>Global Biogeochemical Cycles</i> , 2008, 22, .	4.9	45
7	On the proportion of ballast versus non-ballast associated carbon export in the surface ocean. <i>Geophysical Research Letters</i> , 2012, 39, .	4.0	39
8	Using Optical Sensors on Gliders to Estimate Phytoplankton Carbon Concentrations and Chlorophyll-to-Carbon Ratios in the Southern Ocean. <i>Frontiers in Marine Science</i> , 0, 4, .	2.5	39
9	High-resolution view of the spring bloom initiation and net community production in the Subantarctic Southern Ocean using glider data. <i>ICES Journal of Marine Science</i> , 2015, 72, 1999-2020.	2.5	37
10	An optimized method for correcting fluorescence quenching using optical backscattering on autonomous platforms. <i>Limnology and Oceanography: Methods</i> , 2018, 16, 132-144.	2.0	36
11	Nitrogen uptake by phytoplankton in the Atlantic sector of the Southern Ocean during late austral summer. <i>Biogeosciences</i> , 2011, 8, 2947-2959.	3.3	32
12	Phytoplankton distribution and nitrogen dynamics in the southwest indian subtropical gyre and Southern Ocean waters. <i>Ocean Science</i> , 2011, 7, 113-127.	3.4	29
13	Southern Ocean Seasonal Cycle Experiment 2012: Seasonal scale climate and carbon cycle links. <i>South African Journal of Science</i> , 2012, 108, .	0.7	24
14	Seasonal Depletion of the Dissolved Iron Reservoirs in the Sub-Antarctic Zone of the Southern Atlantic Ocean. <i>Geophysical Research Letters</i> , 2019, 46, 4386-4395.	4.0	21
15	Phytoplankton chemotaxonomy in the Atlantic sector of the Southern Ocean during late summer 2009. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2013, 78, 70-78.	1.4	19
16	The Seasonal Cycle of Nitrogen Uptake and Nitrification in the Atlantic Sector of the Southern Ocean. <i>Global Biogeochemical Cycles</i> , 2020, 34, e2019GB006363.	4.9	19
17	Seasonal development of iron limitation in the sub-Antarctic zone. <i>Biogeosciences</i> , 2018, 15, 4647-4660.	3.3	18
18	Evaluation of Chlorophyll-a and POC MODIS Aqua Products in the Southern Ocean. <i>Remote Sensing</i> , 2019, 11, 1793.	4.0	16

#	ARTICLE	IF	CITATIONS
19	Seasonal regulation of the coupling between photosynthetic electron transport and carbon fixation in the Southern Ocean. <i>Limnology and Oceanography</i> , 2018, 63, 1856-1876.	3.1	14
20	Deriving a Proxy for Iron Limitation From Chlorophyll Fluorescence on Buoyancy Gliders. <i>Frontiers in Marine Science</i> , 2020, 7, .	2.5	13
21	High latitude Southern Ocean phytoplankton have distinctive bio-optical properties. <i>Optics Express</i> , 2021, 29, 21084.	3.4	12
22	Modelled estimates of spatial variability of iron stress in the Atlantic sector of the Southern Ocean. <i>Biogeosciences</i> , 2017, 14, 3883-3897.	3.3	8
23	The kinetics of ammonium uptake and oxidation across the Southern Ocean. <i>Limnology and Oceanography</i> , 2022, 67, 973-991.	3.1	5