

Alison R Gray

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3182793/publications.pdf>

Version: 2024-02-01

21
papers

888
citations

623734

14
h-index

713466

21
g-index

24
all docs

24
docs citations

24
times ranked

1433
citing authors

#	ARTICLE	IF	CITATIONS
1	Spiraling pathways of global deep waters to the surface of the Southern Ocean. <i>Nature Communications</i> , 2017, 8, 172.	12.8	144
2	Autonomous Biogeochemical Floats Detect Significant Carbon Dioxide Outgassing in the High-Latitude Southern Ocean. <i>Geophysical Research Letters</i> , 2018, 45, 9049-9057.	4.0	138
3	Calculating surface ocean pCO ₂ from biogeochemical Argo floats equipped with pH: An uncertainty analysis. <i>Global Biogeochemical Cycles</i> , 2017, 31, 591-604.	4.9	104
4	Reassessing Southern Ocean Air-Sea CO ₂ Flux Estimates With the Addition of Biogeochemical Float Observations. <i>Global Biogeochemical Cycles</i> , 2019, 33, 1370-1388.	4.9	95
5	A Global Analysis of Sverdrup Balance Using Absolute Geostrophic Velocities from Argo. <i>Journal of Physical Oceanography</i> , 2014, 44, 1213-1229.	1.7	85
6	Locally interpolated alkalinity regression for global alkalinity estimation. <i>Limnology and Oceanography: Methods</i> , 2016, 14, 268-277.	2.0	41
7	Global Perspectives on Observing Ocean Boundary Current Systems. <i>Frontiers in Marine Science</i> , 2019, 6, .	2.5	39
8	Oxygen in the Southern Ocean From Argo Floats: Determination of Processes Driving Air-Sea Fluxes. <i>Journal of Geophysical Research: Oceans</i> , 2017, 122, 8661-8682.	2.6	38
9	Monsoon effects in the Bay of Bengal inferred from profiling float-based measurements of wind speed and rainfall. <i>Limnology and Oceanography</i> , 2008, 53, 2080-2093.	3.1	35
10	Utilizing the Drake Passage Time-series to understand variability and change in subpolar Southern Ocean CO ₂ . <i>Biogeosciences</i> , 2018, 15, 3841-3855.	3.3	32
11	Southern Ocean Biogeochemical Float Deployment Strategy, With Example From the Greenwich Meridian Line (GO-SHIP A12). <i>Journal of Geophysical Research: Oceans</i> , 2019, 124, 403-431.	2.6	25
12	Observing the Ice-Covered Weddell Gyre With Profiling Floats: Position Uncertainties and Correlation Statistics. <i>Journal of Geophysical Research: Oceans</i> , 2018, 123, 8383-8410.	2.6	17
13	Lagrangian Timescales of Southern Ocean Upwelling in a Hierarchy of Model Resolutions. <i>Geophysical Research Letters</i> , 2018, 45, 891-898.	4.0	16
14	Observational Evidence of Ventilation Hotspots in the Southern Ocean. <i>Journal of Geophysical Research: Oceans</i> , 2021, 126, e2021JC017178.	2.6	15
15	Observing System Simulation Experiments for an array of autonomous biogeochemical profiling floats in the Southern Ocean. <i>Journal of Geophysical Research: Oceans</i> , 2017, 122, 7595-7611.	2.6	14
16	Indo-Pacific Sector Dominates Southern Ocean Carbon Outgassing. <i>Global Biogeochemical Cycles</i> , 2022, 36, .	4.9	14
17	Vertical fluxes conditioned on vorticity and strain reveal submesoscale ventilation. <i>Journal of Physical Oceanography</i> , 2021, , .	1.7	11
18	Enhanced Ventilation in Energetic Regions of the Antarctic Circumpolar Current. <i>Geophysical Research Letters</i> , 2022, 49, .	4.0	9

#	ARTICLE	IF	CITATIONS
19	Autonomous Wintertime Observations of Air–Sea Exchange in the Gulf Stream Reveal a Perfect Storm for Ocean CO ₂ Uptake. <i>Geophysical Research Letters</i> , 2022, 49, .	4.0	7
20	A method for multiscale optimal analysis with application to Argo data. <i>Journal of Geophysical Research: Oceans</i> , 2015, 120, 4340-4356.	2.6	6
21	Reply to “Comments on ‘A Global Analysis of Sverdrup Balance Using Absolute Geostrophic Velocities from Argo’”. <i>Journal of Physical Oceanography</i> , 2015, 45, 1449-1450.	1.7	1