

Sarah Lou Carolin Giering

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3875167/publications.pdf>

Version: 2024-02-01

26
papers

1,298
citations

471371

17
h-index

610775

24
g-index

30
all docs

30
docs citations

30
times ranked

1666
citing authors

#	ARTICLE	IF	CITATIONS
1	Reconciliation of the carbon budget in the ocean's twilight zone. <i>Nature</i> , 2014, 507, 480-483.	13.7	307
2	Globally Consistent Quantitative Observations of Planktonic Ecosystems. <i>Frontiers in Marine Science</i> , 2019, 6, .	1.2	234
3	Drivers of Carbon Export Efficiency in the Global Ocean. <i>Global Biogeochemical Cycles</i> , 2019, 33, 891-903.	1.9	90
4	Microbial gardening in the ocean's twilight zone: Detritivorous metazoans benefit from fragmenting, rather than ingesting, sinking detritus. <i>BioEssays</i> , 2014, 36, 1132-1137.	1.2	84
5	Sinking Organic Particles in the Ocean's Flux Estimates From in situ Optical Devices. <i>Frontiers in Marine Science</i> , 2020, 6, .	1.2	76
6	Uncertain response of ocean biological carbon export in a changing world. <i>Nature Geoscience</i> , 2022, 15, 248-254.	5.4	50
7	Depth-resolved particle-associated microbial respiration in the northeast Atlantic. <i>Biogeosciences</i> , 2016, 13, 4927-4943.	1.3	46
8	Slow-sinking particulate organic carbon in the Atlantic Ocean: Magnitude, flux, and potential controls. <i>Global Biogeochemical Cycles</i> , 2017, 31, 1051-1065.	1.9	46
9	High export via small particles before the onset of the North Atlantic spring bloom. <i>Journal of Geophysical Research: Oceans</i> , 2016, 121, 6929-6945.	1.0	41
10	Particle flux in the oceans: Challenging the steady state assumption. <i>Global Biogeochemical Cycles</i> , 2017, 31, 159-171.	1.9	39
11	Geographical, seasonal, and depth variation in sinking particle speeds in the North Atlantic. <i>Geophysical Research Letters</i> , 2016, 43, 8609-8616.	1.5	38
12	Seasonal variation of zooplankton community structure and trophic position in the Celtic Sea: A stable isotope and biovolume spectrum approach. <i>Progress in Oceanography</i> , 2019, 177, 101943.	1.5	36
13	Controls over Ocean Mesopelagic Interior Carbon Storage (COMICS): Fieldwork, Synthesis, and Modeling Efforts. <i>Frontiers in Marine Science</i> , 2016, 3, .	1.2	35
14	Observations and modeling of slow-sinking particles in the twilight zone. <i>Global Biogeochemical Cycles</i> , 2014, 28, 1327-1342.	1.9	30
15	Alternative Particle Formation Pathways in the Eastern Tropical North Pacific's Biological Carbon Pump. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2018, 123, 2198-2211.	1.3	27
16	Unusual subpolar North Atlantic phytoplankton bloom in 2010: Volcanic fertilization or North Atlantic Oscillation?. <i>Journal of Geophysical Research: Oceans</i> , 2013, 118, 4771-4780.	1.0	25
17	The ecosystem baseline for particle flux in the Northern Gulf of Mexico. <i>Elementa</i> , 2018, 6, .	1.1	18
18	The Interpretation of Particle Size, Shape, and Carbon Flux of Marine Particle Images Is Strongly Affected by the Choice of Particle Detection Algorithm. <i>Frontiers in Marine Science</i> , 2020, 7, .	1.2	17

#	ARTICLE	IF	CITATIONS
19	Copepods Boost the Production but Reduce the Carbon Export Efficiency by Diatoms. <i>Frontiers in Marine Science</i> , 2018, 5, .	1.2	15
20	Overestimation of prokaryotic production by leucine incorporation and how to avoid it. <i>Limnology and Oceanography</i> , 2022, 67, 726-738.	1.6	13
21	Elevated iron to nitrogen recycling by mesozooplankton in the Northeast Atlantic Ocean. <i>Geophysical Research Letters</i> , 2012, 39, .	1.5	10
22	Similarities between the biochemical composition of jellyfish body and mucus. <i>Journal of Plankton Research</i> , 2022, 44, 337-344.	0.8	9
23	Evidence of nitrification associated with globally distributed pelagic jellyfish. <i>Limnology and Oceanography</i> , 2021, 66, 2159-2173.	1.6	6
24	Biological Pump. <i>Encyclopedia of Earth Sciences Series</i> , 2018, , 1-6.	0.1	3
25	Biological Pump. <i>Encyclopedia of Earth Sciences Series</i> , 2018, , 111-116.	0.1	1
26	Optical Sensors Can Shed Light on Particle Dynamics in the Ocean. <i>Eos</i> , 2017, , .	0.1	0