

Siv K Lauvset

List of Publications by Year in descending order

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Version: 2024-02-01

47
papers

5,975
citations

218677

26
h-index

214800

47
g-index

80
all docs

80
docs citations

80
times ranked

8123
citing authors

#	ARTICLE	IF	CITATIONS
1	Continued warming, salinification and oxygenation of the Greenland Sea gyre. <i>Tellus, Series A: Dynamic Meteorology and Oceanography</i> , 2022, 70, 1476434.	1.7	29
2	Best Practice Data Standards for Discrete Chemical Oceanographic Observations. <i>Frontiers in Marine Science</i> , 2022, 8, .	2.5	16
3	Acidification of the Nordic Seas. <i>Biogeosciences</i> , 2022, 19, 979-1012.	3.3	21
4	Nordic Seas Heat Loss, Atlantic Inflow, and Arctic Sea Ice Cover Over the Last Century. <i>Reviews of Geophysics</i> , 2022, 60, .	23.0	43
5	Global Carbon Budget 2021. <i>Earth System Science Data</i> , 2022, 14, 1917-2005.	9.9	663
6	How Is the Ocean Anthropogenic Carbon Reservoir Filled?. <i>Global Biogeochemical Cycles</i> , 2022, 36, .	4.9	9
7	Decadal trends in Ocean Acidification from the Ocean Weather Station M in the Norwegian Sea. <i>Journal of Marine Systems</i> , 2022, 234, 103775.	2.1	7
8	Preformed Properties for Marine Organic Matter and Carbonate Mineral Cycling Quantification. <i>Global Biogeochemical Cycles</i> , 2021, 35, e2020GB006623.	4.9	25
9	Calcium carbonate dissolution patterns in the ocean. <i>Nature Geoscience</i> , 2021, 14, 423-428.	12.9	46
10	A vision for FAIR ocean data products. <i>Communications Earth & Environment</i> , 2021, 2, .	6.8	11
11	An updated version of the global interior ocean biogeochemical data product, GLODAPv2.2021. <i>Earth System Science Data</i> , 2021, 13, 5565-5589.	9.9	54
12	A Global Ocean Oxygen Database and Atlas for Assessing and Predicting Deoxygenation and Ocean Health in the Open and Coastal Ocean. <i>Frontiers in Marine Science</i> , 2021, 8, .	2.5	26
13	Processes Driving Global Interior Ocean pH Distribution. <i>Global Biogeochemical Cycles</i> , 2020, 34, e2019GB006229.	4.9	35
14	Seasonal Carbon Dynamics in the Near-Global Ocean. <i>Global Biogeochemical Cycles</i> , 2020, 34, e2020GB006571.	4.9	32
15	An updated version of the global interior ocean biogeochemical data product, GLODAPv2.2020. <i>Earth System Science Data</i> , 2020, 12, 3653-3678.	9.9	76
16	Current estimates of K_1 and K_2 appear inconsistent with measured CO_2 system parameters in cold oceanic regions. <i>Ocean Science</i> , 2020, 16, 847-862.	3.4	28
17	Dissolved inorganic nutrients in the western Mediterranean Sea (2004-2017). <i>Earth System Science Data</i> , 2020, 12, 1985-2011.	9.9	3
18	Reconciling Observation and Model Trends in North Atlantic Surface CO_2 . <i>Global Biogeochemical Cycles</i> , 2019, 33, 1204-1222.	4.9	14

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19	A Surface Ocean CO ₂ Reference Network, SOCONET and Associated Marine Boundary Layer CO ₂ Measurements. <i>Frontiers in Marine Science</i> , 2019, 6, .	2.5	26
20	Constraining the Oceanic Uptake and Fluxes of Greenhouse Gases by Building an Ocean Network of Certified Stations: The Ocean Component of the Integrated Carbon Observation System, ICOS-Oceans. <i>Frontiers in Marine Science</i> , 2019, 6, .	2.5	13
21	Sudden emergence of a shallow aragonite saturation horizon in the Southern Ocean. <i>Nature Climate Change</i> , 2019, 9, 313-317.	18.8	42
22	The oceanic sink for anthropogenic CO ₂ from 1994 to 2007. <i>Science</i> , 2019, 363, 1193-1199.	12.6	505
23	Winter weather controls net influx of atmospheric CO ₂ on the north-west European shelf. <i>Scientific Reports</i> , 2019, 9, 20153.	3.3	25
24	Surface ocean pH and buffer capacity: past, present and future. <i>Scientific Reports</i> , 2019, 9, 18624.	3.3	207
25	GLODAPv2.2019 – an update of GLODAPv2. <i>Earth System Science Data</i> , 2019, 11, 1437-1461.	9.9	102
26	Global Carbon Budget 2019. <i>Earth System Science Data</i> , 2019, 11, 1783-1838.	9.9	1,159
27	Climate Response to Aerosol Geoengineering: A Multimethod Comparison. <i>Journal of Climate</i> , 2018, 31, 6319-6340.	3.2	20
28	Inorganic carbon and water masses in the Irminger Sea since 1991. <i>Biogeosciences</i> , 2018, 15, 51-72.	3.3	14
29	Arctic Ocean CO ₂ uptake: an improved multiyear estimate of the air-sea CO ₂ flux incorporating chlorophyll concentrations. <i>Biogeosciences</i> , 2018, 15, 1643-1661.	3.3	56
30	Constraining Projection-Based Estimates of the Future North Atlantic Carbon Uptake. <i>Journal of Climate</i> , 2018, 31, 3959-3978.	3.2	34
31	Mechanisms and Early Detections of Multidecadal Oxygen Changes in the Interior Subpolar North Atlantic. <i>Geophysical Research Letters</i> , 2018, 45, 4218-4229.	4.0	11
32	Can Empirical Algorithms Successfully Estimate Aragonite Saturation State in the Subpolar North Atlantic?. <i>Frontiers in Marine Science</i> , 2017, 4, .	2.5	5
33	Climate engineering and the ocean: effects on biogeochemistry and primary production. <i>Biogeosciences</i> , 2017, 14, 5675-5691.	3.3	22
34	Mapping of the air-sea CO ₂ flux in the Arctic Ocean and its adjacent seas: Basin-wide distribution and seasonal to interannual variability. <i>Polar Science</i> , 2016, 10, 323-334.	1.2	67
35	The Global Ocean Data Analysis Project version 2 (GLODAPv2) – an internally consistent data product for the world ocean. <i>Earth System Science Data</i> , 2016, 8, 297-323.	9.9	424
36	A new global interior ocean mapped climatology: the 1°-1° GLODAP version 2. <i>Earth System Science Data</i> , 2016, 8, 325-340.	9.9	284

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37	A multi-decade record of high-quality CO_2 data in version 3 of the Surface Ocean CO_2 Atlas (SOCAT). Earth System Science Data, 2016, 8, 383-413.	9.9	413
38	Trends and drivers in global surface ocean pH over the past 3 decades. Biogeosciences, 2015, 12, 1285-1298.	3.3	112
39	A toolbox for secondary quality control on ocean chemistry and hydrographic data. Limnology and Oceanography: Methods, 2015, 13, 601-608.	2.0	24
40	Global Carbon Budget 2015. Earth System Science Data, 2015, 7, 349-396.	9.9	616
41	Long-term trends in surface ocean pH in the North Atlantic. Marine Chemistry, 2014, 162, 71-76.	2.3	30
42	An update to the Surface Ocean CO_2 Atlas (SOCAT version 2). Earth System Science Data, 2014, 6, 69-90.	9.9	158
43	Annual and seasonal fCO_2 and "sea CO_2 fluxes in the Barents Sea. Journal of Marine Systems, 2013, 113-114, 62-74.	2.1	20
44	A uniform, quality controlled Surface Ocean CO_2 Atlas (SOCAT). Earth System Science Data, 2013, 5, 125-143.	9.9	158
45	Surface Ocean CO_2 Atlas (SOCAT) gridded data products. Earth System Science Data, 2013, 5, 145-153.	9.9	101
46	The Nordic Seas carbon budget: Sources, sinks, and uncertainties. Global Biogeochemical Cycles, 2011, 25, n/a-n/a.	4.9	46
47	Direct measurements of CO_2 flux in the Greenland Sea. Geophysical Research Letters, 2011, 38, n/a-n/a.	4.0	13