

# Peter LandschÄ¼tzer

## List of Publications by Year in descending order

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Version: 2024-02-01

52  
papers

11,629  
citations

94381

37  
h-index

182361

51  
g-index

71  
all docs

71  
docs citations

71  
times ranked

13998  
citing authors

#	ARTICLE	IF	CITATIONS
1	Attribution of Space-Time Variability in Global Ocean Dissolved Inorganic Carbon. <i>Global Biogeochemical Cycles</i> , 2022, 36, .	1.9	14
2	Global Carbon Budget 2021. <i>Earth System Science Data</i> , 2022, 14, 1917-2005.	3.7	663
3	Ocean systems. , 2022, , 427-452.		1
4	Alternate Histories: Synthetic Large Ensembles of Sea-Air CO <sub>2</sub> Flux. <i>Global Biogeochemical Cycles</i> , 2022, 36, .	1.9	3
5	Wintertime process study of the North Brazil Current rings reveals the region as a larger sink for CO <sub>2</sub> than expected. <i>Biogeosciences</i> , 2022, 19, 2969-2988.	1.3	12
6	The northern European shelf as an increasing net sink for CO <sub>2</sub> . <i>Biogeosciences</i> , 2021, 18, 1127-1147.	1.3	14
7	Quantifying Errors in Observationally Based Estimates of Ocean Carbon Sink Variability. <i>Global Biogeochemical Cycles</i> , 2021, 35, e2020GB006788.	1.9	60
8	Global Oceans. <i>Bulletin of the American Meteorological Society</i> , 2021, 102, S143-S198.	1.7	11
9	EUREC4A. <i>Earth System Science Data</i> , 2021, 13, 4067-4119.	3.7	88
10	SeaFlux: harmonization of air-sea CO <sub>2</sub> fluxes from surface CO <sub>2</sub> data products using a standardized approach. <i>Earth System Science Data</i> , 2021, 13, 4693-4710.	3.7	51
11	The ECCO-Darwin Data-Assimilative Global Ocean Biogeochemistry Model: Estimates of Seasonal to Multidecadal Surface Ocean CO <sub>2</sub> and Air-Sea CO <sub>2</sub> Flux. <i>Journal of Advances in Modeling Earth Systems</i> , 2020, 12, e2019MS001888.	1.3	43
12	Revised estimates of ocean-atmosphere CO <sub>2</sub> flux are consistent with ocean carbon inventory. <i>Nature Communications</i> , 2020, 11, 4422.	5.8	129
13	Seasonal Carbon Dynamics in the Near-Global Ocean. <i>Global Biogeochemical Cycles</i> , 2020, 34, e2020GB006571.	1.9	32
14	Consistency and Challenges in the Ocean Carbon Sink Estimate for the Global Carbon Budget. <i>Frontiers in Marine Science</i> , 2020, 7, .	1.2	114
15	Global Oceans. <i>Bulletin of the American Meteorological Society</i> , 2020, 101, S129-S184.	1.7	12
16	A uniform CO <sub>2</sub> climatology combining open and coastal oceans. <i>Earth System Science Data</i> , 2020, 12, 2537-2553.	3.7	56
17	Global Carbon Budget 2020. <i>Earth System Science Data</i> , 2020, 12, 3269-3340.	3.7	1,477
18	Reconciling Observation and Model Trends in North Atlantic Surface CO <sub>2</sub> . <i>Global Biogeochemical Cycles</i> , 2019, 33, 1204-1222.	1.9	14

#	ARTICLE	IF	CITATIONS
19	Reassessing Southern Ocean Air–Sea CO <sub>2</sub> Flux Estimates With the Addition of Biogeochemical Float Observations. <i>Global Biogeochemical Cycles</i> , 2019, 33, 1370-1388.	1.9	95
20	State of the Climate in 2018. <i>Bulletin of the American Meteorological Society</i> , 2019, 100, Si-S306.	1.7	168
21	Decadal trends in the ocean carbon sink. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 11646-11651.	3.3	94
22	Regional Wind Variability Modulates the Southern Ocean Carbon Sink. <i>Scientific Reports</i> , 2019, 9, 7384.	1.6	63
23	Predicting the variable ocean carbon sink. <i>Science Advances</i> , 2019, 5, eaav6471.	4.7	31
24	Detecting Regional Modes of Variability in Observation-Based Surface Ocean CO <sub>2</sub> . <i>Geophysical Research Letters</i> , 2019, 46, 2670-2679.	1.5	31
25	The Spatiotemporal Dynamics of the Sources and Sinks of CO <sub>2</sub> in the Global Coastal Ocean. <i>Global Biogeochemical Cycles</i> , 2019, 33, 1693-1714.	1.9	86
26	The Variable Southern Ocean Carbon Sink. <i>Annual Review of Marine Science</i> , 2019, 11, 159-186.	5.1	165
27	Global Carbon Budget 2019. <i>Earth System Science Data</i> , 2019, 11, 1783-1838.	3.7	1,159
28	Strengthening seasonal marine CO <sub>2</sub> variations due to increasing atmospheric CO <sub>2</sub> . <i>Nature Climate Change</i> , 2018, 8, 146-150.	8.1	109
29	Uncertainty in the global oceanic CO <sub>2</sub> uptake induced by wind forcing: quantification and spatial analysis. <i>Biogeosciences</i> , 2018, 15, 1701-1720.	1.3	29
30	Utilizing the Drake Passage Time-series to understand variability and change in subpolar Southern Ocean CO <sub>2</sub> . <i>Biogeosciences</i> , 2018, 15, 3841-3855.	1.3	32
31	Global Carbon Budget 2018. <i>Earth System Science Data</i> , 2018, 10, 2141-2194.	3.7	1,167
32	Global Carbon Budget 2017. <i>Earth System Science Data</i> , 2018, 10, 405-448.	3.7	801
33	Observation-Based Trends of the Southern Ocean Carbon Sink. <i>Geophysical Research Letters</i> , 2017, 44, 12,339.	1.5	41
34	Global high-resolution monthly CO <sub>2</sub> climatology for the coastal ocean derived from neural network interpolation. <i>Biogeosciences</i> , 2017, 14, 4545-4561.	1.3	71
35	Reviews and syntheses: An empirical spatiotemporal description of the global surface atmosphere carbon fluxes: opportunities and data limitations. <i>Biogeosciences</i> , 2017, 14, 3685-3703.	1.3	58
36	Decadal variations and trends of the global ocean carbon sink. <i>Global Biogeochemical Cycles</i> , 2016, 30, 1396-1417.	1.9	241

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37	A multi-decade record of high-quality $\text{CO}_2$ data in version 3 of the Surface Ocean $\text{CO}_2$ Atlas (SOCAT). Earth System Science Data, 2016, 8, 383-413.	3.7	413
38	Global Carbon Budget 2016. Earth System Science Data, 2016, 8, 605-649.	3.7	905
39	Trends and drivers in global surface ocean pH over the past 3 decades. Biogeosciences, 2015, 12, 1285-1298.	1.3	112
40	Data-based estimates of the ocean carbon sink variability – first results of the Surface Ocean $\text{CO}_2$ Mapping intercomparison (SOCOM). Biogeosciences, 2015, 12, 7251-7278.	1.3	163
41	Carbon dynamics of the Weddell Gyre, Southern Ocean. Global Biogeochemical Cycles, 2015, 29, 288-306.	1.9	24
42	Net community production in the North Atlantic Ocean derived from Volunteer Observing Ship data. Global Biogeochemical Cycles, 2015, 29, 80-95.	1.9	16
43	The reinvigoration of the Southern Ocean carbon sink. Science, 2015, 349, 1221-1224.	6.0	331
44	Global Carbon Budget 2015. Earth System Science Data, 2015, 7, 349-396.	3.7	616
45	Global carbon budget 2014. Earth System Science Data, 2015, 7, 47-85.	3.7	463
46	A Global Surface Ocean $\text{fCO}_2$ Climatology Based on a Feed-Forward Neural Network. Journal of Atmospheric and Oceanic Technology, 2014, 31, 1838-1849.	0.5	64
47	Recent variability of the global ocean carbon sink. Global Biogeochemical Cycles, 2014, 28, 927-949.	1.9	313
48	An update to the Surface Ocean $\text{CO}_2$ Atlas (SOCAT version 2). Earth System Science Data, 2014, 6, 69-90.	3.7	158
49	An assessment of the Atlantic and Arctic sea-air $\text{CO}_2$ fluxes, 1990–2009. Biogeosciences, 2013, 10, 607-627.	1.3	131
50	A neural network-based estimate of the seasonal to inter-annual variability of the Atlantic Ocean carbon sink. Biogeosciences, 2013, 10, 7793-7815.	1.3	167
51	A uniform, quality controlled Surface Ocean $\text{CO}_2$ Atlas (SOCAT). Earth System Science Data, 2013, 5, 125-143.	3.7	158
52	Surface Ocean $\text{CO}_2$ Atlas (SOCAT) gridded data products. Earth System Science Data, 2013, 5, 145-153.	3.7	101