

P J Brown

List of Publications by Year in descending order

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Version: 2024-02-01

34
papers

1,210
citations

430874

18
h-index

414414

32
g-index

48
all docs

48
docs citations

48
times ranked

1688
citing authors

#	ARTICLE	IF	CITATIONS
1	A uniform, quality controlled Surface Ocean CO ₂ Atlas (SOCAT). Earth System Science Data, 2013, 5, 125-143.	9.9	158
2	The Weddell Gyre, Southern Ocean: Present Knowledge and Future Challenges. Reviews of Geophysics, 2019, 57, 623-708.	23.0	105
3	Surface Ocean CO ₂ Atlas (SOCAT) gridded data products. Earth System Science Data, 2013, 5, 145-153.	9.9	101
4	An updated version of the global interior ocean biogeochemical data product, GLODAPv2.2020. Earth System Science Data, 2020, 12, 3653-3678.	9.9	76
5	The contribution of the Weddell Gyre to the lower limb of the Global Overturning Circulation. Journal of Geophysical Research: Oceans, 2014, 119, 3357-3377.	2.6	61
6	An updated version of the global interior ocean biogeochemical data product, GLODAPv2.2021. Earth System Science Data, 2021, 13, 5565-5589.	9.9	54
7	Remotely induced warming of Antarctic Bottom Water in the eastern Weddell gyre. Geophysical Research Letters, 2013, 40, 2755-2760.	4.0	41
8	The seasonal cycle of ocean-atmosphere CO ₂ flux in Ryder Bay, west Antarctic Peninsula. Geophysical Research Letters, 2015, 42, 2934-2942.	4.0	41
9	Sustainable Observations of the AMOC: Methodology and Technology. Reviews of Geophysics, 2020, 58, e2019RG000654.	23.0	39
10	The thermodynamic balance of the Weddell Gyre. Geophysical Research Letters, 2016, 43, 317-325.	4.0	38
11	The seasonal cycle of carbonate system processes in Ryder Bay, West Antarctic Peninsula. Deep-Sea Research Part II: Topical Studies in Oceanography, 2017, 139, 167-180.	1.4	36
12	Wide-angle seismic data reveal extensive overpressures in the Eastern Black Sea Basin. Geophysical Journal International, 2009, 178, 1145-1163.	2.4	30
13	Circulation, retention, and mixing of waters within the Weddell Sea continental shelf confluence, Southern Ocean: The role of stratified Taylor columns. Journal of Geophysical Research: Oceans, 2015, 120, 547-562.	2.6	28
14	The influence of organic alkalinity on the carbonate system in coastal waters. Marine Chemistry, 2021, 237, 104050.	2.3	27
15	Anthropogenic carbon accumulation in the subtropical North Atlantic. Journal of Geophysical Research, 2010, 115, .	3.3	26
16	Reframing the carbon cycle of the subpolar Southern Ocean. Science Advances, 2019, 5, eaav6410.	10.3	25
17	Carbon dynamics of the Weddell Gyre, Southern Ocean. Global Biogeochemical Cycles, 2015, 29, 288-306.	4.9	24
18	CARINA alkalinity data in the Atlantic Ocean. Earth System Science Data, 2009, 1, 45-61.	9.9	22

#	ARTICLE	IF	CITATIONS
19	Estimating the recharge properties of the deep ocean using noble gases and helium isotopes. <i>Journal of Geophysical Research: Oceans</i> , 2016, 121, 5959-5979.	2.6	21
20	High-latitude ocean ventilation and its role in Earth's climate transitions. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2017, 375, 20160324.	3.4	20
21	Atlantic Ocean CARINA data: overview and salinity adjustments. <i>Earth System Science Data</i> , 2010, 2, 17-34.	9.9	20
22	Dense waters of the Weddell and Scotia Seas: recent changes in properties and circulation. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2014, 372, 20130041.	3.4	17
23	Trends in anthropogenic CO ₂ in water masses of the Subtropical North Atlantic Ocean. <i>Progress in Oceanography</i> , 2015, 131, 21-32.	3.2	15
24	Circulation-driven variability of Atlantic anthropogenic carbon transports and uptake. <i>Nature Geoscience</i> , 2021, 14, 571-577.	12.9	15
25	South Atlantic interbasin exchanges of mass, heat, salt and anthropogenic carbon. <i>Progress in Oceanography</i> , 2017, 151, 62-82.	3.2	14
26	CARINA TCO<sub>2</sub> data in the Atlantic Ocean. <i>Earth System Science Data</i> , 2010, 2, 177-187.	9.9	12
27	Freshwater fluxes in the Weddell Gyre: results from <i>18</i> O. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2014, 372, 20130298.	3.4	12
28	CARINA: nutrient data in the Atlantic Ocean. <i>Earth System Science Data</i> , 2009, 1, 7-24.	9.9	12
29	Dense bottom layers in the Scotia Sea, Southern Ocean: Creation, lifespan, and destruction. <i>Geophysical Research Letters</i> , 2013, 40, 933-936.	4.0	11
30	A vision for FAIR ocean data products. <i>Communications Earth & Environment</i> , 2021, 2, .	6.8	11
31	Evaluating the Sensor-Equipped Autonomous Surface Vehicle C-Worker 4 as a Tool for Identifying Coastal Ocean Acidification and Changes in Carbonate Chemistry. <i>Journal of Marine Science and Engineering</i> , 2020, 8, 939.	2.6	10
32	Temporal Variability in the Nutrient Biogeochemistry of the Surface North Atlantic: 15 Years of Ship of Opportunity Data. <i>Global Biogeochemical Cycles</i> , 2019, 33, 1674-1692.	4.9	6
33	Counteracting Contributions of the Upper and Lower Meridional Overturning Limbs to the North Atlantic Nutrient Budgets: Enhanced Imbalance in 2010. <i>Global Biogeochemical Cycles</i> , 2021, 35, e2020GB006898.	4.9	4
34	Decomposing oceanic temperature and salinity change using ocean carbon change. <i>Ocean Science</i> , 2022, 18, 523-548.	3.4	1