P J Brown

List of Publications by Year in descending order

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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	Decomposing oceanic temperature and salinity change using ocean carbon change. Ocean Science, 2022, 18, 523-548.	3.4	1
2	Counteracting Contributions of the Upper and Lower Meridional Overturning Limbs to the North Atlantic Nutrient Budgets: Enhanced Imbalance in 2010. Global Biogeochemical Cycles, 2021, 35, e2020GB006898.	4.9	4
3	A vision for FAIR ocean data products. Communications Earth & Environment, 2021, 2, .	6.8	11
4	Circulation-driven variability of Atlantic anthropogenic carbon transports and uptake. Nature Geoscience, 2021, 14, 571-577.	12.9	15
5	The influence of organic alkalinity on the carbonate system in coastal waters. Marine Chemistry, 2021, 237, 104050.	2.3	27
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	Sustainable Observations of the AMOC: Methodology and Technology. Reviews of Geophysics, 2020, 58, e2019RG000654.	23.0	39
8	Evaluating the Sensor-Equipped Autonomous Surface Vehicle C-Worker 4 as a Tool for Identifying Coastal Ocean Acidification and Changes in Carbonate Chemistry. Journal of Marine Science and Engineering, 2020, 8, 939.	2.6	10
9	An updated version of the global interior ocean biogeochemical data product, GLODAPv2.2020. Earth System Science Data, 2020, 12, 3653-3678.	9.9	76
10	Temporal Variability in the Nutrient Biogeochemistry of the Surface North Atlantic: 15 Years of Ship of Opportunity Data. Global Biogeochemical Cycles, 2019, 33, 1674-1692.	4.9	6
11	Reframing the carbon cycle of the subpolar Southern Ocean. Science Advances, 2019, 5, eaav6410.	10.3	25
12	The Weddell Gyre, Southern Ocean: Present Knowledge and Future Challenges. Reviews of Geophysics, 2019, 57, 623-708.	23.0	105
13	South Atlantic interbasin exchanges of mass, heat, salt and anthropogenic carbon. Progress in Oceanography, 2017, 151, 62-82.	3.2	14
14	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
15	High-latitude ocean ventilation and its role in Earth's climate transitions. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2017, 375, 20160324.	3.4	20
16	Estimating the recharge properties of the deep ocean using noble gases and helium isotopes. Journal of Geophysical Research: Oceans, 2016, 121, 5959-5979.	2.6	21
17	The thermodynamic balance of the Weddell Gyre. Geophysical Research Letters, 2016, 43, 317-325.	4.0	38
18	Circulation, retention, and mixing of waters within the <scp>W</scp>eddellâ€<scp>S</scp>cotia <scp>C</scp>onfluence, <scp>S</scp>outhern <scp>O</scp>cean: The role of stratified <scp>T</scp>aylor columns. Journal of Geophysical Research: Oceans, 2015, 120, 547-562.	2.6	28

#	Article	IF	Citations
19	Carbon dynamics of the Weddell Gyre, Southern Ocean. Global Biogeochemical Cycles, 2015, 29, 288-306.	4.9	24
20	The seasonal cycle of oceanâ€atmosphere CO₂ flux in Ryder Bay, west Antarctic Peninsula. Geophysical Research Letters, 2015, 42, 2934-2942.	4.0	41
21	Trends in anthropogenic CO2 in water masses of the Subtropical North Atlantic Ocean. Progress in Oceanography, 2015, 131, 21-32.	3.2	15
22	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
23	Dense waters of the Weddell and Scotia Seas: recent changes in properties and circulation. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2014, 372, 20130041.	3.4	17
24	Freshwater fluxes in the Weddell Gyre: results from Î´ ¹⁸ O. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2014, 372, 20130298.	3.4	12
25	Remotely induced warming of Antarctic Bottom Water in the eastern Weddell gyre. Geophysical Research Letters, 2013, 40, 2755-2760.	4.0	41
26	Dense bottom layers in the Scotia Sea, Southern Ocean: Creation, lifespan, and destruction. Geophysical Research Letters, 2013, 40, 933-936.	4.0	11
27	A uniform, quality controlled Surface Ocean CO₂ Atlas (SOCAT). Earth System Science Data, 2013, 5, 125-143.	9.9	158
28	Surface Ocean CO₂ Atlas (SOCAT) gridded data products. Earth System Science Data, 2013, 5, 145-153.	9.9	101
29	CARINA TCO₂ data in the Atlantic Ocean. Earth System Science Data, 2010, 2, 177-187.	9.9	12
30	Anthropogenic carbon accumulation in the subtropical North Atlantic. Journal of Geophysical Research, 2010, 115, .	3.3	26
31	Atlantic Ocean CARINA data: overview and salinity adjustments. Earth System Science Data, 2010, 2, 17-34.	9.9	20
32	Wide-angle seismic data reveal extensive overpressures in the Eastern Black Sea Basin. Geophysical Journal International, 2009, 178, 1145-1163.	2.4	30
33	CARINA alkalinity data in the Atlantic Ocean. Earth System Science Data, 2009, 1, 45-61.	9.9	22
34	CARINA: nutrient data in the Atlantic Ocean. Earth System Science Data, 2009, 1, 7-24.	9.9	12