Loic Jullion

List of Publications by Year
in descending order

26 papers	1,808 citations	471509 17 h-index	552781 26 g-index
27 all docs	27 docs citations	27 times ranked	2623 citing authors

#	Article	IF	Citations
1	Recent Antarctic ice mass loss from radarÂinterferometry and regional climateÂmodelling. Nature Geoscience, 2008, 1, 106-110.	12.9	819
2	SUSTAINED MONITORING OF THE SOUTHERN OCEAN AT DRAKE PASSAGE: PAST ACHIEVEMENTS AND FUTURE PRIORITIES. Reviews of Geophysics, 2011, 49, .	23.0	121
3	The Weddell Gyre, Southern Ocean: Present Knowledge and Future Challenges. Reviews of Geophysics, 2019, 57, 623-708.	23.0	105
4	Variability of Subantarctic Mode Water and Antarctic Intermediate Water in the Drake Passage during the Late-Twentieth and Early-Twenty-First Centuries. Journal of Climate, 2009, 22, 3661-3688.	3.2	100
5	High mixing rates in the abyssal Southern Ocean. Nature, 2002, 415, 1011-1014.	27.8	97
6	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
7	Decadal Freshening of the Antarctic Bottom Water Exported from the Weddell Sea. Journal of Climate, 2013, 26, 8111-8125.	3.2	57
8	Circulation and Water Mass Modification in the Brazilâ€“Malvinas Confluence. Journal of Physical Oceanography, 2010, 40, 845-864.	1.7	46
9	Windâ€controlled export of Antarctic Bottom Water from the Weddell Sea. Geophysical Research Letters, 2010, 37, .	4.0	41
10	Remotely induced warming of Antarctic Bottom Water in the eastern Weddell gyre. Geophysical Research Letters, 2013, 40, 2755-2760.	4.0	41
11	Synchronous intensification and warming of Antarctic Bottom Water outflow from the Weddell Gyre. Geophysical Research Letters, 2011, 38, n/a-n/a.	4.0	39
12	The thermodynamic balance of the Weddell Gyre. Geophysical Research Letters, 2016, 43, 317-325.	4.0	38
13	Water mass pathways and transports over the South Scotia Ridge west of 50Â°W. Deep-Sea Research Part I: Oceanographic Research Papers, 2012, 59, 8-24.	1.4	30
14	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
15	Reframing the carbon cycle of the subpolar Southern Ocean. Science Advances, 2019, 5, eaav6410.	10.3	25
16	Carbon dynamics of the Weddell Gyre, Southern Ocean. Global Biogeochemical Cycles, 2015, 29, 288-306.	4.9	24
17	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
18	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

#	Article	IF	Citations
19	Untangling biogeochemical processes from the impact of ocean circulation: First insight on the Mediterranean dissolved barium dynamics. Global Biogeochemical Cycles, 2017, 31, 1256-1270.	4.9	17
20	A high resolution and quasi-zonal transect of dissolved Ba in the Mediterranean Sea. Marine Chemistry, 2016, 178, 1-7.	2.3	14
21	Ventilation of the abyss in the Atlantic sector of the Southern Ocean. Scientific Reports, 2021, 11, 6760.	3.3	13
22	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
23	Dense bottom layers in the Scotia Sea, Southern Ocean: Creation, lifespan, and destruction. Geophysical Research Letters, 2013, 40, 933-936.	4.0	11
24	Boundary mixing in <scp>O</scp>rkney <scp>P</scp>assage outflow. Journal of Geophysical Research: Oceans, 2014, 119, 8627-8645.	2.6	11
25	The <scp>A</scp>ntarctic <scp>S</scp>lope <scp>C</scp>urrent near 30Â°E. Journal of Geophysical Research: Oceans, 2016, 121, 1051-1062.	2.6	11
26	Interannual Variations of Surface Currents and Transports in the Sicily Channel Derived From Coastal Altimetry. Journal of Geophysical Research: Oceans, 2017, 122, 8330-8353.	2.6	9