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	Ventilation of the abyss in the Atlantic sector of the Southern Ocean. Scientific Reports, 2021, 11, 6760.	3.3	13
2	Reframing the carbon cycle of the subpolar Southern Ocean. Science Advances, 2019, 5, eaav6410.	10.3	25
3	The Weddell Gyre, Southern Ocean: Present Knowledge and Future Challenges. Reviews of Geophysics, 2019, 57, 623-708.	23.0	105
4	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
5	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
6	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
7	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
8	The thermodynamic balance of the Weddell Gyre. Geophysical Research Letters, 2016, 43, 317-325.	4.0	38
9	A high resolution and quasi-zonal transect of dissolved Ba in the Mediterranean Sea. Marine Chemistry, 2016, 178, 1-7.	2.3	14
10	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
11	Carbon dynamics of the Weddell Gyre, Southern Ocean. Global Biogeochemical Cycles, 2015, 29, 288-306.	4.9	24
12	Boundary mixing in <scp>O</scp>rkney <scp>P</scp>assage outflow. Journal of Geophysical Research: Oceans, 2014, 119, 8627-8645.	2.6	11
13	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
14	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
15	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
16	Remotely induced warming of Antarctic Bottom Water in the eastern Weddell gyre. Geophysical Research Letters, 2013, 40, 2755-2760.	4.0	41
17	Decadal Freshening of the Antarctic Bottom Water Exported from the Weddell Sea. Journal of Climate, 2013, 26, 8111-8125.	3.2	57
18	Dense bottom layers in the Scotia Sea, Southern Ocean: Creation, lifespan, and destruction. Geophysical Research Letters, 2013, 40, 933-936.	4.0	11

#	Article	IF	Citations
19	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
20	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
21	SUSTAINED MONITORING OF THE SOUTHERN OCEAN AT DRAKE PASSAGE: PAST ACHIEVEMENTS AND FUTURE PRIORITIES. Reviews of Geophysics, 2011, 49, .	23.0	121
22	Circulation and Water Mass Modification in the Brazilâ€“Malvinas Confluence. Journal of Physical Oceanography, 2010, 40, 845-864.	1.7	46
23	Windâ€controlled export of Antarctic Bottom Water from the Weddell Sea. Geophysical Research Letters, 2010, 37, .	4.0	41
24	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
25	Recent Antarctic ice mass loss from radarÂinterferometry and regional climateÂmodelling. Nature Geoscience, 2008, 1, 106-110.	12.9	819
26	High mixing rates in the abyssal Southern Ocean. Nature, 2002, 415, 1011-1014.	27.8	97