

Clement de Boyer Montegut

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

30
papers

3,825
citations

24
h-index

31
g-index

31
ext. papers

4,349
ext. citations

4.7
avg, IF

4.83
L-index

#	Paper	IF	Citations
30	Mixed layer depth over the global ocean: An examination of profile data and a profile-based climatology. <i>Journal of Geophysical Research</i> , 2004 , 109,		1641
29	Influence of the state of the Indian Ocean Dipole on the following year's El Niño. <i>Nature Geoscience</i> , 2010 , 3, 168-172	18.3	276
28	The Role of the Western Arabian Sea Upwelling in Indian Monsoon Rainfall Variability. <i>Journal of Climate</i> , 2008 , 21, 5603-5623	4.4	182
27	Control of salinity on the mixed layer depth in the world ocean: 1. General description. <i>Journal of Geophysical Research</i> , 2007 , 112,		160
26	The CORA dataset: validation and diagnostics of in-situ ocean temperature and salinity measurements. <i>Ocean Science</i> , 2013 , 9, 1-18	4	147
25	Seasonal variability of the mixed layer depth in the Mediterranean Sea as derived from in situ profiles. <i>Geophysical Research Letters</i> , 2005 , 32, n/a-n/a	4.9	146
24	Basin-wide seasonal evolution of the Indian Ocean's phytoplankton blooms. <i>Journal of Geophysical Research</i> , 2007 , 112,		131
23	Control of salinity on the mixed layer depth in the world ocean: 2. Tropical areas. <i>Journal of Geophysical Research</i> , 2007 , 112,		102
22	Cirene: Air-Sea Interactions in the Seychelles-Chagos Thermocline Ridge Region. <i>Bulletin of the American Meteorological Society</i> , 2009 , 90, 45-62	6.1	99
21	A modeling study of the processes of surface salinity seasonal cycle in the Bay of Bengal. <i>Journal of Geophysical Research: Oceans</i> , 2014 , 119, 3926-3947	3.3	97
20	Simulated Seasonal and Interannual Variability of the Mixed Layer Heat Budget in the Northern Indian Ocean*. <i>Journal of Climate</i> , 2007 , 20, 3249-3268	4.4	94
19	Comparison between three implementations of automatic identification algorithms for the quantification and characterization of mesoscale eddies in the South Atlantic Ocean. <i>Ocean Science</i> , 2011 , 7, 317-334	4	86
18	Strong Indian Ocean sea surface temperature signals associated with the Madden-Julian Oscillation in late 2007 and early 2008. <i>Geophysical Research Letters</i> , 2008 , 35,	4.9	74
17	The upper Bay of Bengal salinity structure in a high-resolution model. <i>Ocean Modelling</i> , 2014 , 74, 36-52	3	71
16	Interannual variability of the Tropical Indian Ocean mixed layer depth. <i>Climate Dynamics</i> , 2013 , 40, 743-759	4.9	64
15	Estimation of the Agulhas ring impacts on meridional heat fluxes and transport using ARGO floats and satellite data. <i>Geophysical Research Letters</i> , 2011 , 38, n/a-n/a	4.9	61
14	Modeling the Barrier-Layer Formation in the Southeastern Arabian Sea*. <i>Journal of Climate</i> , 2007 , 20, 2109-2120	4.4	60

13	Phytoplankton spring and fall blooms in the North Atlantic in the 1980s and 2000s. <i>Journal of Geophysical Research</i> , 2011 , 116,		53
12	Analysis of a potential solar radiation dose–dimethylsulfide–cloud condensation nuclei link from globally mapped seasonal correlations. <i>Global Biogeochemical Cycles</i> , 2007 , 21, n/a-n/a	5.9	47
11	A wintertime uptake window for anthropogenic CO ₂ in the North Pacific. <i>Global Biogeochemical Cycles</i> , 2008 , 22, n/a-n/a	5.9	35
10	Low and high frequency Madden-Julian oscillations in austral summer: interannual variations. <i>Climate Dynamics</i> , 2010 , 35, 669-683	4.2	33
9	Strong sensitivity of Southern Ocean carbon uptake and nutrient cycling to wind stirring. <i>Biogeosciences</i> , 2014 , 11, 4077-4098	4.6	30
8	Intraseasonal variability of mixed layer depth in the tropical Indian Ocean. <i>Climate Dynamics</i> , 2016 , 46, 2633-2655	4.2	26
7	Copernicus Marine Service Ocean State Report, Issue 4. <i>Journal of Operational Oceanography</i> , 2020 , 13, S1-S172	2.9	26
6	A modeling study of processes controlling the Bay of Bengal sea surface salinity interannual variability. <i>Journal of Geophysical Research: Oceans</i> , 2016 , 121, 8471-8495	3.3	24
5	Physical control of interannual variations of the winter chlorophyll bloom in the northern Arabian Sea. <i>Biogeosciences</i> , 2017 , 14, 3615-3632	4.6	16
4	Robustness of observation-based decadal sea level variability in the Indo-Pacific Ocean. <i>Geophysical Research Letters</i> , 2017 , 44, 7391-7400	4.9	14
3	Assessment of seasonal and year-to-year surface salinity signals retrieved from SMOS and Aquarius missions in the Bay of Bengal. <i>International Journal of Remote Sensing</i> , 2016 , 37, 1089-1114	3.1	12
2	Role of fronts in the formation of Arabian Sea barrier layers during summer monsoon. <i>Ocean Dynamics</i> , 2014 , 64, 809-822	2.3	9
1	Processes of interannual mixed layer temperature variability in the thermocline ridge of the Indian Ocean. <i>Climate Dynamics</i> , 2014 , 43, 2377-2397	4.2	8