

Clement de Boyer Montegut

List of Publications by Year in Descending Order

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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 | Copernicus Marine Service Ocean State Report, Issue 4. <i>Journal of Operational Oceanography</i> , 2020 , 13, S1-S172 | 2.9 | 26 |
| 29 | 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 |
| 28 | 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 |
| 27 | Intraseasonal variability of mixed layer depth in the tropical Indian Ocean. <i>Climate Dynamics</i> , 2016 , 46, 2633-2655 | 4.2 | 26 |
| 26 | 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 |
| 25 | 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 |
| 24 | 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 |
| 23 | 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 |
| 22 | 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 |
| 21 | Strong sensitivity of Southern Ocean carbon uptake and nutrient cycling to wind stirring. <i>Biogeosciences</i> , 2014 , 11, 4077-4098 | 4.6 | 30 |
| 20 | The upper Bay of Bengal salinity structure in a high-resolution model. <i>Ocean Modelling</i> , 2014 , 74, 36-52 | 3 | 71 |
| 19 | Interannual variability of the Tropical Indian Ocean mixed layer depth. <i>Climate Dynamics</i> , 2013 , 40, 743-759 | 4.9 | 64 |
| 18 | The CORA dataset: validation and diagnostics of in-situ ocean temperature and salinity measurements. <i>Ocean Science</i> , 2013 , 9, 1-18 | 4 | 147 |
| 17 | Phytoplankton spring and fall blooms in the North Atlantic in the 1980s and 2000s. <i>Journal of Geophysical Research</i> , 2011 , 116, | | 53 |
| 16 | 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 |
| 15 | 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 |
| 14 | 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 |

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| 13 | Low and high frequency Madden-Julian oscillations in austral summer: interannual variations. <i>Climate Dynamics</i> , 2010 , 35, 669-683 | 4.2 | 33 |
| 12 | 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 |
| 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 | 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 |
| 9 | 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 |
| 8 | 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 |
| 7 | Control of salinity on the mixed layer depth in the world ocean: 1. General description. <i>Journal of Geophysical Research</i> , 2007 , 112, | | 160 |
| 6 | Control of salinity on the mixed layer depth in the world ocean: 2. Tropical areas. <i>Journal of Geophysical Research</i> , 2007 , 112, | | 102 |
| 5 | Basin-wide seasonal evolution of the Indian Ocean's phytoplankton blooms. <i>Journal of Geophysical Research</i> , 2007 , 112, | | 131 |
| 4 | Modeling the Barrier-Layer Formation in the Southeastern Arabian Sea*. <i>Journal of Climate</i> , 2007 , 20, 2109-2120 | 4.4 | 60 |
| 3 | 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 |
| 2 | 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 |
| 1 | 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 |