

João H Bettencourt

List of Publications by Year in descending order

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11
papers

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citations

1163117

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1372567

10
g-index

15
all docs

15
docs citations

15
times ranked

639
citing authors

#	ARTICLE	IF	CITATIONS
1	Altimetry for the future: Building on 25 years of progress. <i>Advances in Space Research</i> , 2021, 68, 319-363.	2.6	119
2	Boundaries of the Peruvian oxygen minimum zone shaped by coherent mesoscale dynamics. <i>Nature Geoscience</i> , 2015, 8, 937-940.	12.9	61
3	Oceanic three-dimensional Lagrangian coherent structures: A study of a mesoscale eddy in the Benguela upwelling region. <i>Ocean Modelling</i> , 2012, 51, 73-83.	2.4	56
4	Simulation of irregular waves in an offshore wind farm with a spectral wave model. <i>Continental Shelf Research</i> , 2011, 31, 1541-1557.	1.8	30
5	Characterization of coherent structures in three-dimensional turbulent flows using the finite-size Lyapunov exponent. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2013, 46, 254022.	2.1	27
6	Composite analysis of North Atlantic extra-tropical cyclone waves from satellite altimetry observations. <i>Advances in Space Research</i> , 2021, 68, 762-772.	2.6	22
7	Characterization of the structure and cross-shore transport properties of a coastal upwelling filament using three-dimensional finite-size Lyapunov exponents. <i>Journal of Geophysical Research: Oceans</i> , 2017, 122, 7433-7448.	2.6	19
8	Comparison of numerical hindcasted severe waves with Doppler radar measurements in the North Sea. <i>Ocean Dynamics</i> , 2017, 67, 103-115.	2.2	11
9	Effects of upwelling duration and phytoplankton growth regime on dissolved-oxygen levels in an idealized Iberian Peninsula upwelling system. <i>Nonlinear Processes in Geophysics</i> , 2020, 27, 277-294.	1.3	6
10	Wall pressure and vorticity in the intermittently turbulent regime of the Stokes boundary layer. <i>Journal of Fluid Mechanics</i> , 2018, 851, 479-506.	3.4	4
11	Evolution of the Extreme Wave Region in the North Atlantic Using a 23 Year Hindcast. , 2015, , .		1