

# Ana Aguiar

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3162343/publications.pdf>

Version: 2024-02-01

15  
papers

258  
citations

1307594

7  
h-index

1058476

14  
g-index

16  
all docs

16  
docs citations

16  
times ranked

427  
citing authors

#	ARTICLE	IF	CITATIONS
1	A laboratory model of Saturn's North Polar Hexagon. <i>Icarus</i> , 2010, 206, 755-763.	2.5	69
2	A census of Meddies in a long-term high-resolution simulation. <i>Progress in Oceanography</i> , 2013, 116, 80-94.	3.2	49
3	Evidence of Mediterranean Water dipole collision in the Gulf of Cadiz. <i>Journal of Geophysical Research: Oceans</i> , 2014, 119, 5337-5359.	2.6	32
4	Zonal structure of the mean flow and eddies in the Azores Current system. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	22
5	Assimilating satellite sea-surface salinity data from SMOS, Aquarius and SMAP into a global ocean forecasting system. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2019, 145, 705-726.	2.7	19
6	Evidence of time-mean cyclonic cell southwest of Iberian Peninsula: The Mediterranean Outflow-driven $\bar{\psi}^2$ plume?. <i>Geophysical Research Letters</i> , 2010, 37, .	4.0	15
7	Horizontal and vertical motions of barotropic vortices over a submarine mountain. <i>Journal of Fluid Mechanics</i> , 2012, 695, 173-198.	3.4	15
8	Vortex stability in a multi-layer quasi-geostrophic model: application to Mediterranean Water eddies. <i>Fluid Dynamics Research</i> , 2014, 46, 061401.	1.3	8
9	Cyclones and Anticyclones in Seismic Imaging. <i>Journal of Physical Oceanography</i> , 2015, 45, 2436-2443.	1.7	8
10	Mediterranean outflow transports and entrainment estimates from observations and high-resolution modelling. <i>Progress in Oceanography</i> , 2015, 131, 33-45.	3.2	7
11	Instabilities of a barotropic shear layer in a rotating fluid: asymmetries with respect to $\text{sgn}(Ro)$ . <i>Meteorologische Zeitschrift</i> , 2006, 15, 417-422.	1.0	6
12	The Gulf of Cadiz Gap wind anticyclones. <i>Continental Shelf Research</i> , 2014, 91, 171-191.	1.8	5
13	Effect of Subsurface Mediterranean Water Eddies on Sound Propagation Using ROMS Output and the Bellhop Model. <i>Water (Switzerland)</i> , 2021, 13, 3617.	2.7	2
14	A simple demonstration of shear-flow instability. <i>American Journal of Physics</i> , 2020, 88, 1041-1048.	0.7	1
15	Dipolar Vortex in a Rotating System. <i>Environmental Science and Engineering</i> , 2012, , 501-502.	0.2	0