

Jordi Isern-Fontanet

List of Publications by Year in descending order

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Version: 2024-02-01

38
papers

1,627
citations

331538

21
h-index

377752

34
g-index

43
all docs

43
docs citations

43
times ranked

1767
citing authors

#	ARTICLE	IF	CITATIONS
1	Can the Surface Quasi-Geostrophic (SQG) Theory Explain Upper Ocean Dynamics in the South Atlantic?. <i>Journal of Geophysical Research: Oceans</i> , 2022, 127, e2021JC018001.	1.0	7
2	On the Seasonal Cycle of the Statistical Properties of Sea Surface Temperature. <i>Geophysical Research Letters</i> , 2022, 49, .	1.5	0
3	On the connection between intermittency and dissipation in ocean turbulence: a multifractal approach. <i>Journal of Physical Oceanography</i> , 2021, , .	0.7	2
4	A view of the Brazil-Malvinas confluence, March 2015. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2021, 172, 103533.	0.6	9
5	High-Resolution Ocean Currents from Sea Surface Temperature Observations: The Catalan Sea (Western Mediterranean). <i>Remote Sensing</i> , 2021, 13, 3635.	1.8	8
6	Ocean Surface Currents Reconstruction: Spectral Characterization of the Transfer Function Between SST and SSH. <i>Journal of Geophysical Research: Oceans</i> , 2020, 125, e2019JC015958.	1.0	10
7	Real-time Reconstruction of Surface Velocities from Satellite Observations in the Alboran Sea. <i>Remote Sensing</i> , 2020, 12, 724.	1.8	7
8	SEASTAR: A Mission to Study Ocean Submesoscale Dynamics and Small-Scale Atmosphere-Ocean Processes in Coastal, Shelf and Polar Seas. <i>Frontiers in Marine Science</i> , 2019, 6, .	1.2	37
9	Dataset on the TIC-MOC cruise onboard the R/V Hesp�rides, March 2015, Brazil-Malvinas Confluence. <i>Data in Brief</i> , 2019, 22, 185-194.	0.5	5
10	Remote sensing of ocean surface currents: a review of what is being observed and what is being assimilated. <i>Nonlinear Processes in Geophysics</i> , 2017, 24, 613-643.	0.6	33
11	Ocean Surface Current Reconstruction: On the Transfer Function between Infrared SST and along-track altimeter observations. , 2016, , .		2
12	Retrieval of eddy dynamics from SMOS sea surface salinity measurements in the Algerian Basin (Mediterranean Sea). <i>Geophysical Research Letters</i> , 2016, 43, 6427-6434.	1.5	23
13	Thirty years of research and development of Lagrangian buoys at the Institute of Marine Sciences. <i>Scientia Marina</i> , 2016, 80, 141-158.	0.3	6
14	Establishing the link between Ostreopsis cf.ovata blooms and human health impacts using ecology and epidemiology. <i>Scientia Marina</i> , 2016, 80, 107-115.	0.3	82
15	Sensibility to noise of new multifractal fusion methods for ocean variables. <i>Nonlinear Processes in Geophysics</i> , 2014, 21, 291-301.	0.6	5
16	Seasonal and mesoscale variability of primary production in the deep winter-mixing region of the NW Mediterranean. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2014, 94, 45-61.	0.6	43
17	On the Transfer Function between Surface Fields and the Geostrophic Stream Function in the Mediterranean Sea. <i>Journal of Physical Oceanography</i> , 2014, 44, 1406-1423.	0.7	29
18	Diagnosis of high-resolution upper ocean dynamics from noisy sea surface temperatures. <i>Journal of Geophysical Research: Oceans</i> , 2014, 119, 121-132.	1.0	14

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19	Global ocean current reconstruction from altimetric and microwave SST measurements. <i>Journal of Geophysical Research: Oceans</i> , 2014, 119, 3378-3391.	1.0	41
20	Assessment of ocean surface currents reconstruction at a global scale from the synergy between microwave and altimetric measurements. , 2013, , .		3
21	Ocean surface currents reconstruction at a global scale from microwave measurements. , 2012, , .		3
22	Comparison between Eulerian diagnostics and finite-size Lyapunov exponents computed from altimetry in the Algerian basin. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2009, 56, 15-31.	0.6	144
23	Mass and nutrient fluxes around Sedlo Seamount. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2009, 56, 2606-2617.	0.6	9
24	Diagnosis of vertical velocities in the upper ocean from high resolution sea surface height. <i>Geophysical Research Letters</i> , 2009, 36, .	1.5	71
25	Three-dimensional reconstruction of oceanic mesoscale currents from surface information. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	100
26	Wavelet Filtering to Extract Coherent Vortices from Altimetric Data. <i>Journal of Atmospheric and Oceanic Technology</i> , 2007, 24, 2103-2119.	0.5	12
27	Detection of wave fronts in the Indian Ocean from geostationary sunglint satellite imagery. <i>International Journal of Remote Sensing</i> , 2007, 28, 3953-3962.	1.3	5
28	Dispersion of passive tracers and finite-scale Lyapunov exponents in the Western Mediterranean Sea. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2007, 54, 253-268.	0.6	24
29	Microcanonical multifractal formalism: Application to the estimation of ocean surface velocities. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	46
30	Mesoscale eddies, surface circulation and the scale of habitat selection by immature loggerhead sea turtles. <i>Journal of Experimental Marine Biology and Ecology</i> , 2007, 347, 41-57.	0.7	43
31	Potential use of microwave sea surface temperatures for the estimation of ocean currents. <i>Geophysical Research Letters</i> , 2006, 33, .	1.5	113
32	Non-Gaussian Velocity Probability Density Functions: An Altimetric Perspective of the Mediterranean Sea. <i>Journal of Physical Oceanography</i> , 2006, 36, 2153-2164.	0.7	25
33	Vortices of the Mediterranean Sea: An Altimetric Perspective. <i>Journal of Physical Oceanography</i> , 2006, 36, 87-103.	0.7	181
34	Multifractal Method for the Instantaneous Evaluation of the Stream Function in Geophysical Flows. <i>Physical Review Letters</i> , 2005, 95, 104502.	2.9	48
35	Spatial structure of anticyclonic eddies in the Algerian basin (Mediterranean Sea) analyzed using the Okubo-Weiss parameter. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2004, 51, 3009-3028.	0.6	105
36	Tracking a big anticyclonic eddy in the western Mediterranean Sea. <i>Scientia Marina</i> , 2004, 68, 331-342.	0.3	32

#	ARTICLE	IF	CITATIONS
37	Identification of Marine Eddies from Altimetric Maps. Journal of Atmospheric and Oceanic Technology, 2003, 20, 772-778.	0.5	254
38	Deep structure of an open sea eddy in the Algerian Basin. Journal of Marine Systems, 2002, 33-34, 179-195.	0.9	44