

Enric Pallas Sanz

List of Publications by Year in descending order

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32
papers

704
citations

516710

16
h-index

610901

24
g-index

34
all docs

34
docs citations

34
times ranked

980
citing authors

#	ARTICLE	IF	CITATIONS
1	OceanGliders: A Component of the Integrated GOOS. <i>Frontiers in Marine Science</i> , 2019, 6, .	2.5	83
2	Loop Current Frontal Eddies: Formation along the Campeche Bank and Impact of Coastally Trapped Waves. <i>Journal of Physical Oceanography</i> , 2016, 46, 3339-3363.	1.7	42
3	Elevated mixing at a front. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	41
4	Hydrography of the Central and Western Gulf of Mexico. <i>Journal of Geophysical Research: Oceans</i> , 2018, 123, 5134-5149.	2.6	37
5	The Vertical Structure of a Loop Current Eddy. <i>Journal of Geophysical Research: Oceans</i> , 2018, 123, 6070-6090.	2.6	35
6	The Flow through the Gulf of Mexico. <i>Journal of Physical Oceanography</i> , 2019, 49, 1381-1401.	1.7	35
7	Anatomy of a subtropical intrathermocline eddy. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2017, 124, 126-139.	1.4	31
8	Near-Surface and Deep Circulation Coupling in the Western Gulf of Mexico. <i>Journal of Physical Oceanography</i> , 2018, 48, 145-161.	1.7	31
9	Frontal dynamics in a California Current System shallow front: 1. Frontal processes and tracer structure. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	29
10	Diagnosis of 3D Vertical Circulation in the Upwelling and Frontal Zones East of Hainan Island, China. <i>Journal of Physical Oceanography</i> , 2017, 47, 755-774.	1.7	28
11	Diagnosing Mesoscale Vertical Motion from Horizontal Velocity and Density Data. <i>Journal of Physical Oceanography</i> , 2005, 35, 1744-1762.	1.7	25
12	Intrathermocline Eddies Embedded Within an Anticyclonic Vortex Ring. <i>Geophysical Research Letters</i> , 2018, 45, 7624-7633.	4.0	25
13	Ageostrophic Secondary Circulation in a Subtropical Intrathermocline Eddy. <i>Journal of Physical Oceanography</i> , 2017, 47, 1107-1123.	1.7	24
14	Variability and Dynamics of the Yucatan Upwelling: High-Resolution Simulations. <i>Journal of Geophysical Research: Oceans</i> , 2018, 123, 1251-1262.	2.6	23
15	Frontal dynamics in a California Current System shallow front: 2. Mesoscale vertical velocity. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	22
16	Assessment of Numerical Simulations of Deep Circulation and Variability in the Gulf of Mexico Using Recent Observations. <i>Journal of Physical Oceanography</i> , 2020, 50, 1045-1064.	1.7	20
17	Three-Dimensional Ageostrophic Motion in Mesoscale Vortex Dipoles. <i>Journal of Physical Oceanography</i> , 2007, 37, 84-105.	1.7	18
18	Heat Content Anomaly and Decay of Warm-Core Rings: the Case of the Gulf of Mexico. <i>Geophysical Research Letters</i> , 2020, 47, e2019GL085600.	4.0	17

#	ARTICLE	IF	CITATIONS
19	Trapping of the near-inertial wave wakes of two consecutive hurricanes in the Loop Current. <i>Journal of Geophysical Research: Oceans</i> , 2016, 121, 7431-7454.	2.6	16
20	Vertical Velocity Dynamics and Mixing in an Anticyclone near the Canary Islands. <i>Journal of Physical Oceanography</i> , 2019, 49, 431-451.	1.7	16
21	Near-inertial Wave Trapping Near the Base of an Anticyclonic Mesoscale Eddy Under Normal Atmospheric Conditions. <i>Journal of Geophysical Research: Oceans</i> , 2019, 124, 8455-8467.	2.6	14
22	Spontaneous Generation of Inertia-Gravity Waves during the Merging of Two Baroclinic Anticyclones. <i>Journal of Physical Oceanography</i> , 2008, 38, 213-234.	1.7	12
23	Observations of Layering under a Warm-Core Ring in the Gulf of Mexico. <i>Journal of Physical Oceanography</i> , 2019, 49, 3145-3162.	1.7	12
24	Erosion of the Subsurface Salinity Maximum of the Loop Current Eddies From Glider Observations and a Numerical Model. <i>Journal of Geophysical Research: Oceans</i> , 2020, 125, e2019JC015397.	2.6	12
25	On the Vertical Velocity and Nutrient Delivery in Warm Core Rings. <i>Journal of Physical Oceanography</i> , 2020, 50, 1557-1582.	1.7	12
26	Mooring observations of the near-inertial wave wake of Hurricane Ida (2009). <i>Dynamics of Atmospheres and Oceans</i> , 2016, 76, 325-344.	1.8	11
27	Anisotropy in Coastal Ocean Relative Dispersion Observations. <i>Geophysical Research Letters</i> , 2019, 46, 879-888.	4.0	11
28	Coincident Observations of Dye and Drifter Relative Dispersion over the Inner Shelf. <i>Journal of Physical Oceanography</i> , 2019, 49, 2447-2468.	1.7	5
29	Diel, lunar and seasonal vertical migration in the deep western Gulf of Mexico evidenced from a long-term data series of acoustic backscatter. <i>Progress in Oceanography</i> , 2021, 195, 102562.	3.2	5
30	Overtuning Instabilities Across a Warm Core Ring From Glider Observations. <i>Journal of Geophysical Research: Oceans</i> , 2022, 127, .	2.6	4
31	The Dynamical Structure of a Warm Core Ring as Inferred from Glider Observations and Along-Track Altimetry. <i>Remote Sensing</i> , 2021, 13, 2456.	4.0	3
32	Ocean Front Detection with Glider and Satellite-Derived SST Data in the Southern California Current System. <i>Remote Sensing</i> , 2021, 13, 5032.	4.0	3