Julio Sheinbaum

List of Publications by Year
in descending order

68	1,959	236833 25	315616 38
papers	citations	h-index	g-index

70	70	70	1573
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Assessing the exposure risk of large pelagic fish to oil spills scenarios in the deep waters of the Gulf of Mexico. Marine Pollution Bulletin, 2022, 176, 113434.	2.3	12
2	Evolution of the riverine nutrient export to the Tropical Atlantic over the last 15 years: is there a link with Sargassum proliferation?. Environmental Research Letters, 2021, 16, 034042.	2.2	18
3	Deep-Water Warming in the Gulf of Mexico from 2003 to 2019. Journal of Physical Oceanography, 2021, 51, 1021-1035.	0.7	6
4	A NEMO-based model of <i>Sargassum</i> distribution in the tropical Atlantic: description of the model and sensitivity analysis (NEMO-Sarg1.0). Geoscientific Model Development, 2021, 14, 4069-4086.	1.3	18
5	Do Loop Current eddies stimulate productivity in the Gulf of Mexico?. Biogeosciences, 2021, 18, 4281-4303.	1.3	10
6	Diel, lunar and seasonal vertical migration in the deep western Gulf of Mexico evidenced from a long-term data series of acoustic backscatter. Progress in Oceanography, 2021, 195, 102562.	1.5	5
7	Seasonal Variability of the Transport through the Yucatan Channel from Observations. Journal of Physical Oceanography, 2020, 50, 343-360.	0.7	16
8	Influence of mesoscale eddies on cross-shelf exchange in the western Gulf of Mexico. Continental Shelf Research, 2020, 209, 104243.	0.9	17
9	Dissolved inorganic nitrogen and particulate organic nitrogen budget in the YucatÃ¡n shelf: driving mechanisms through a physicalâ€“biogeochemical coupled model. Biogeosciences, 2020, 17, 1087-1111.	1.3	14
10	Heat Content Anomaly and Decay of Warmâ€Core Rings: the Case of the Gulf of Mexico. Geophysical Research Letters, 2020, 47, e2019GL085600.	1.5	17
11	Energetics of the Deep Gulf of Mexico. Journal of Physical Oceanography, 2020, 50, 1655-1675.	0.7	15
12	Ocean currents and coastal exposure to offshore releases of passively transported material in the Gulf of Mexico. Environmental Research Communications, 2019, 1, 081006.	0.9	0
13	The Flow through the Gulf of Mexico. Journal of Physical Oceanography, 2019, 49, 1381-1401.	0.7	35
14	Persistent Lagrangian Transport Patterns in the Northwestern Gulf of Mexico. Journal of Physical Oceanography, 2019, 49, 353-367.	0.7	28
15	Lagrangian Geography of the Deep Gulf of Mexico. Journal of Physical Oceanography, 2019, 49, 269-290.	0.7	22
16	Near-Surface and Deep Circulation Coupling in the Western Gulf of Mexico. Journal of Physical Oceanography, 2018, 48, 145-161.	0.7	31
17	Variability and Dynamics of the Yucatan Upwelling: Highâ€Resolution Simulations. Journal of Geophysical Research: Oceans, 2018, 123, 1251-1262.	1.0	23
18	Partitioning of the Open Waters of the Gulf of Mexico Based on the Seasonal and Interannual Variability of Chlorophyll Concentration. Journal of Geophysical Research: Oceans, 2018, 123, 2592-2614.	1.0	38

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19	Single-particle statistics in the southern Gulf of Mexico. Geofisica International, 2018, 57, .	0.2	3
20	Surface Relative Dispersion in the Southwestern Gulf of Mexico. Journal of Physical Oceanography, 2017, 47, 387-403.	0.7	27
21	Point source dispersion of surface drifters in the southern Gulf of Mexico. Environmental Research Letters, 2017, 12, 024006.	2.2	7
22	Lagrangian dynamical geography of the Gulf of Mexico. Scientific Reports, 2017, 7, 7021.	1.6	46
23	Temporal variability of chlorophyll distribution in the Gulf of Mexico: bio-optical data from profiling floats. Biogeosciences, 2017, 14, 5647-5662.	1.3	39
24	Trapping of the nearâ€inertial wave wakes of two consecutive hurricanes in the <scp>L</scp>oop <scp>C</scp>urrent. Journal of Geophysical Research: Oceans, 2016, 121, 7431-7454.	1.0	16
25	Structure and variability of the Yucatan and loop currents along the slope and shelf break of the Yucatan channel and Campeche bank. Dynamics of Atmospheres and Oceans, 2016, 76, 217-239.	0.7	39
26	Mooring observations of the near-inertial wave wake of Hurricane Ida (2009). Dynamics of Atmospheres and Oceans, 2016, 76, 325-344.	0.7	11
27	Sea surface temperature influence on a winter cold front position and propagation: airâ€“sea interactions of the â€˜Nortesâ€™ winds in the Gulf of Mexico. Atmospheric Science Letters, 2016, 17, 302-307.	0.8	13
28	Loop Current Frontal Eddies: Formation along the Campeche Bank and Impact of Coastally Trapped Waves. Journal of Physical Oceanography, 2016, 46, 3339-3363.	0.7	42
29	A Loop Current experiment: Field and remote measurements. Dynamics of Atmospheres and Oceans, 2016, 76, 156-173.	0.7	46
30	Seasonal variability of saltwater intrusion at a pointâ€source submarine groundwater discharge. Limnology and Oceanography, 2016, 61, 1245-1258.	1.6	18
31	Wind-driven coastal upwelling and westward circulation in the Yucatan shelf. Continental Shelf Research, 2016, 118, 63-76.	0.9	37
32	Interannual variability in the Yucatan Channel flow. Geophysical Research Letters, 2015, 42, 1496-1503.	1.5	26
33	Upper-Layer Circulation in the Approaches to Yucatan Channel. Geophysical Monograph Series, 2013, , 57-69.	0.1	20
34	Direct observations of the upper layer circulation in the southern Gulf of Mexico. Deep-Sea Research Part II: Topical Studies in Oceanography, 2013, 85, 182-194.	0.6	49
35	Heat Balance and Eddies in the Caribbean Upwelling System. Journal of Physical Oceanography, 2013, 43, 1004-1014.	0.7	16
36	Diel and lunar cycles of vertical migration extending to below 1000 m in the ocean and the vertical connectivity of depthâ€tiered populations. Limnology and Oceanography, 2013, 58, 1207-1214.	1.6	33

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37	A Lagrangian approach to the Loop Current eddy separation. Nonlinear Processes in Geophysics, 2013, 20, 85-96.	0.6	16
38	Impact of Caribbean cyclones on the detachment of Loop Current anticyclones. Journal of Geophysical Research, 2012, 117, .	3.3	30
39	Seasonal and Interannual Modulation of the Eddy Kinetic Energy in the Caribbean Sea. Journal of Physical Oceanography, 2012, 42, 2041-2055.	0.7	36
40	Artificial modifications of the coast in response to theDeepwater Horizonoil spill: quick solutions or long-term liabilities?. Frontiers in Ecology and the Environment, 2012, 10, 44-49.	1.9	30
41	Observations of intermittent deep currents and eddies in the Gulf of Mexico. Journal of Geophysical Research, 2012, 117, .	3.3	14
42	Seasonal heat balance in the upper 100 m of the equatorial Atlantic Ocean. Journal of Geophysical Research, 2011, 116, .	3.3	58
43	Deep Currents in the Bay of Campeche. Journal of Physical Oceanography, 2011, 41, 1902-1920.	0.7	14
44	Lateral Friction in Reduced-Gravity Models: Parameterizations Consistent with Energy Dissipation and Conservation of Angular Momentum. Journal of Physical Oceanography, 2011, 41, 1894-1901.	0.7	3
45	Seasonal Modes of Surface Cooling in the Gulf of Guinea. Journal of Physical Oceanography, 2011, 41, 1408-1416.	0.7	29
46	Yucatan Current variability through the Cozumel and Yucatan channels. Ciencias Marinas, 2011, 37, 471-492.	0.4	26
47	The mesoscale variability in the Caribbean Sea. Part II: Energy sources. Ocean Modelling, 2009, 26, 226-239.	1.0	39
48	Elementary properties of the enstrophy and strain fields in confined two-dimensional flows. European Journal of Mechanics, B/Fluids, 2008, 27, 54-61.	1.2	9
49	The mesoscale variability in the Caribbean Sea. Part I: Simulations and characteristics with an embedded model. Ocean Modelling, 2008, 23, 82-101.	1.0	54
50	Vertical Velocity and Vertical Heat Flux Observed within Loop Current Eddies in the Central Gulf of Mexico. Journal of Physical Oceanography, 2008, 38, 2461-2481.	0.7	15
51	On the circulation in the Puerto Morelos fringing reef lagoon. Coral Reefs, 2007, 26, 149-163.	0.9	109
52	Tidal currents in the Yucatan Channel. Geofisica International, 2007, 46, 199-209.	0.2	7
53	Circulation along the Mexican Caribbean coast. Journal of Geophysical Research, 2006, 111, .	3.3	35
54	Hydrography and geostrophic currents in the Northern Gulf of California during the 1997â€“1998 El NiÃ±o. Continental Shelf Research, 2006, 26, 1154-1170.	0.9	3

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55	Histone metabolic pathways and chromatin assembly factors as proliferation markers. Cancer Letters, 2005, 220, 1-9.	3.2	45
56	Ageostrophic fluctuations in Cozumel Channel. Journal of Geophysical Research, 2005, 110, .	3.3	13
57	Northwest Africa upwelling and the Atlantic climate variability. Geophysical Research Letters, 2005, 32, .	1.5	9
58	Yucatan Channel flow: Observations versus CLIPPER ATL6 and MERCATOR PAM models. Journal of Geophysical Research, 2003, 108, .	3.3	64
59	The potential vorticity flux through the Yucatan Channel and the Loop Current in the Gulf of Mexico. Geophysical Research Letters, 2002, 29, 16-1-16-4.	1.5	79
60	Flow structure and transport in the Yucatan Channel. Geophysical Research Letters, 2002, 29, 10-1.	1.5	158
61	Geostrophy via potential vorticity inversion in the Yucatan Channel. Journal of Marine Research, 2001, 59, 725-747.	0.3	73
62	Inhomogeneous rodons. Journal of Geophysical Research, 1998, 103, 24869-24880.	3.3	7
63	Data assimilation in ocean models. Reports on Progress in Physics, 1996, 59, 1209-1266.	8.1	57
64	Variational assimilation of simulated acoustic tomography data and point observations: A comparative study. Journal of Geophysical Research, 1995, 100, 20745.	3.3	11
65	Variational Assimilation of XBT Data. Part II. Sensitivity Studies and Use of Smoothing Constraints. Journal of Physical Oceanography, 1990, 20, 689-704.	0.7	28
66	Variational Assimilation of XBT Data. Part 1. Journal of Physical Oceanography, 1990, 20, 672-688.	0.7	34
67	Shortcut for constructing any Lagrangian from its equations of motion. Physical Review D, 1983, 28, 1333-1336.	1.6	21
68	Sensitivity of Loop Current metrics and eddy detachments to different model configurations: The impact of topography and Caribbean perturbations. Atmosfera, 0, , .	0.3	17