

Julio Candela

List of Publications by Year in descending order

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74
papers

3,698
citations

136740

32
h-index

138251

58
g-index

74
all docs

74
docs citations

74
times ranked

2898
citing authors

#	ARTICLE	IF	CITATIONS
1	Exchange through the Strait of Gibraltar. <i>Progress in Oceanography</i> , 1994, 33, 201-248.	1.5	320
2	The role of straits and channels in understanding the characteristics of Mediterranean circulation. <i>Progress in Oceanography</i> , 1999, 44, 65-108.	1.5	247
3	Annual Cycle and Variability of the North Brazil Current. <i>Journal of Physical Oceanography</i> , 1998, 28, 103-128.	0.7	221
4	Physical oceanography of the Amazon shelf. <i>Continental Shelf Research</i> , 1996, 16, 575-616.	0.9	192
5	Flow structure and transport in the Yucatan Channel. <i>Geophysical Research Letters</i> , 2002, 29, 10-1.	1.5	158
6	Meteorologically forced subinertial flows through the Strait of Gibraltar. <i>Journal of Geophysical Research</i> , 1989, 94, 12667-12679.	3.3	154
7	Large warming and salinification of the Mediterranean outflow due to changes in its composition. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2006, 53, 656-666.	0.6	137
8	Separation of tidal and subtidal currents in ship-mounted acoustic Doppler current profiler observations. <i>Journal of Geophysical Research</i> , 1992, 97, 769-788.	3.3	132
9	The M2 tide on the Amazon Shelf. <i>Journal of Geophysical Research</i> , 1995, 100, 2283.	3.3	124
10	Tides in the Strait of Gibraltar. <i>Journal of Geophysical Research</i> , 1990, 95, 7313-7335.	3.3	112
11	On the circulation in the Puerto Morelos fringing reef lagoon. <i>Coral Reefs</i> , 2007, 26, 149-163.	0.9	109
12	Tide at the eastern section of the Strait of Gibraltar. <i>Journal of Geophysical Research</i> , 2000, 105, 14197-14213.	3.3	98
13	The potential vorticity flux through the Yucatan Channel and the Loop Current in the Gulf of Mexico. <i>Geophysical Research Letters</i> , 2002, 29, 16-1-16-4.	1.5	79
14	Transport estimates in the Strait of Gibraltar with a tidal inverse model. <i>Journal of Geophysical Research</i> , 2001, 106, 31033-31044.	3.3	78
15	Deep flows in the Yucatan Channel and their relation to changes in the Loop Current extension. <i>Journal of Geophysical Research</i> , 2002, 107, 26-1-26-7.	3.3	74
16	Geostrophy via potential vorticity inversion in the Yucatan Channel. <i>Journal of Marine Research</i> , 2001, 59, 725-747.	0.3	73
17	The Physical Oceanography of the Amazon Outflow. <i>Oceanography</i> , 1991, 4, 8-14.	0.5	69
18	The Gibraltar Strait and its role in the dynamics of the Mediterranean Sea. <i>Dynamics of Atmospheres and Oceans</i> , 1991, 15, 267-299.	0.7	67

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19	Yucatan Channel flow: Observations versus CLIPPER ATL6 and MERCATOR PAM models. Journal of Geophysical Research, 2003, 108, .	3.3	64
20	The "Mad Sea" Phenomenon in the Strait of Sicily. Journal of Physical Oceanography, 1999, 29, 2210-2231.	0.7	59
21	Analysis of flow variability in the Yucatan Channel. Journal of Geophysical Research, 2003, 108, .	3.3	54
22	Postlarval settlement of the spiny lobster <i>Panulirus argus</i> along the Caribbean coast of Mexico: Patterns, influence of physical factors, and possible sources of origin. Limnology and Oceanography, 2008, 53, 970-985.	1.6	52
23	Wave-induced extreme water levels in the Puerto Morelos fringing reef lagoon. Natural Hazards and Earth System Sciences, 2012, 12, 3765-3773.	1.5	50
24	Chapter 5.7 Mediterranean water and global circulation. International Geophysics, 2001, 77, 419-XLVIII.	0.6	49
25	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
26	Lagrangian flow observations of the Amazon River discharge into the North Atlantic. Journal of Geophysical Research, 1995, 100, 2401.	3.3	45
27	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
28	An Estimate of the Net Heat Transport Through the Strait of Gibraltar. Coastal and Estuarine Studies, 1994, , 13-32.	0.4	39
29	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
30	Why does the Ballenas Channel have the coldest SST in the Gulf of California?. Geophysical Research Letters, 2006, 33, .	1.5	37
31	Dominant Circulation Patterns of the Deep Gulf of Mexico. Journal of Physical Oceanography, 2018, 48, 511-529.	0.7	37
32	Circulation over the continental shelf of the western and southwestern Gulf of Mexico. Journal of Geophysical Research, 2011, 116, .	3.3	36
33	Seasonal and Interannual Modulation of the Eddy Kinetic Energy in the Caribbean Sea. Journal of Physical Oceanography, 2012, 42, 2041-2055.	0.7	36
34	Circulation along the Mexican Caribbean coast. Journal of Geophysical Research, 2006, 111, .	3.3	35
35	Diel and lunar cycles of vertical migration extending to below 1000 m in the ocean and the vertical connectivity of depth-tiered populations. Limnology and Oceanography, 2013, 58, 1207-1214.	1.6	33
36	Near-Surface and Deep Circulation Coupling in the Western Gulf of Mexico. Journal of Physical Oceanography, 2018, 48, 145-161.	0.7	31

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37	Fortnightly and monthly variability of the exchange through the Strait of Gibraltar. Progress in Oceanography, 2006, 70, 466-485.	1.5	30
38	Impact of Caribbean cyclones on the detachment of Loop Current anticyclones. Journal of Geophysical Research, 2012, 117, .	3.3	30
39	Subinertial flows and transports in Cozumel Channel. Journal of Geophysical Research, 2003, 108, n/a-n/a.	3.3	26
40	Interannual variability in the Yucatan Channel flow. Geophysical Research Letters, 2015, 42, 1496-1503.	1.5	26
41	Yucatan Current variability through the Cozumel and Yucatan channels. Ciencias Marinas, 2011, 37, 471-492.	0.4	26
42	Nearshore circulation on a sea breeze dominated beach during intense wind events. Continental Shelf Research, 2017, 151, 40-52.	0.9	23
43	Assessment of Numerical Simulations of Deep Circulation and Variability in the Gulf of Mexico Using Recent Observations. Journal of Physical Oceanography, 2020, 50, 1045-1064.	0.7	20
44	Seasonal variability of saltwater intrusion at a point-source submarine groundwater discharge. Limnology and Oceanography, 2016, 61, 1245-1258.	1.6	18
45	An analysis and interpretation of the current data collected in the strait of Juan de Fuca in 1973. Marine Geodesy, 1981, 5, 273-302.	0.9	16
46	Barotropic response of the western Mediterranean to observed atmospheric pressure forcing. Coastal and Estuarine Studies, 1994, , 325-359.	0.4	16
47	Two overflows in the Northern Gulf of California. Journal of Geophysical Research, 2008, 113, .	3.3	16
48	Trapping of the near-inertial wave wakes of two consecutive hurricanes in the Loop Current. Journal of Geophysical Research: Oceans, 2016, 121, 7431-7454.	1.0	16
49	Seasonal Variability of the Transport through the Yucatan Channel from Observations. Journal of Physical Oceanography, 2020, 50, 343-360.	0.7	16
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	Detiding ADCP Data in a Highly Variable Shelf Sea: The Celtic Sea. Journal of Atmospheric and Oceanic Technology, 2005, 22, 84-97.	0.5	14
52	Deep Currents in the Bay of Campeche. Journal of Physical Oceanography, 2011, 41, 1902-1920.	0.7	14
53	Observations of intermittent deep currents and eddies in the Gulf of Mexico. Journal of Geophysical Research, 2012, 117, .	3.3	14
54	Ageostrophic fluctuations in Cozumel Channel. Journal of Geophysical Research, 2005, 110, .	3.3	13

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55	Removing tides from ship-mounted ADCP data, with application to the Yellow Sea. , 1990, , .		12
56	Effect of coastal trapped waves and wind on currents and transport in the Gulf of California. Journal of Geophysical Research: Oceans, 2014, 119, 5123-5139.	1.0	12
57	Assessment of Genetic Diversity of the Eastern Oyster <i>Crassostrea virginica</i> in Veracruz, Mexico Using Microsatellite Markers. Journal of Shellfish Research, 2008, 27, 721-727.	0.3	11
58	Mooring observations of the near-inertial wave wake of Hurricane Ida (2009). Dynamics of Atmospheres and Oceans, 2016, 76, 325-344.	0.7	11
59	Near-inertial and tidal currents detected with a vessel-mounted acoustic Doppler current profiler in the western Mediterranean Sea. Journal of Geophysical Research, 2003, 108, .	3.3	9
60	On the feasibility of detecting net transports in and out of Georgia strait with an array of current meters. Atmosphere - Ocean, 1981, 19, 148-157.	0.6	8
61	Observing meteotsunamis (Marrobbio) on the southwestern coast of Sicily. Natural Hazards, 2021, 106, 1337-1363.	1.6	8
62	Tides and currents in Fury and Hecla Strait. Estuarine, Coastal and Shelf Science, 1987, 24, 513-525.	0.9	7
63	Tidal currents in the Yucatan Channel. Geofisica International, 2007, 46, 199-209.	0.2	7
64	Deep-Water Warming in the Gulf of Mexico from 2003 to 2019. Journal of Physical Oceanography, 2021, 51, 1021-1035.	0.7	6
65	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
66	In-Stream Energy by Tidal and Wind-Driven Currents: An Analysis for the Gulf of California. Energies, 2020, 13, 1095.	1.6	4
67	The Barotropic Tide in the Strait of Gibraltar. , 1990, , 457-475.		4
68	Currents and Mixing in the San Lorenzo Overflow, Northern Gulf of California. Journal of Geophysical Research: Oceans, 2018, 123, 1339-1353.	1.0	3
69	Eddy viscosity from bottom Ekman veering profiles. Continental Shelf Research, 2020, 204, 104170.	0.9	3
70	Structure of the currents measured across a section of Johnstone Strait, Canada. Continental Shelf Research, 1989, 9, 1-17.	0.9	2
71	Seasonal cycle of near-bottom transport and currents in the northern Gulf of California. Journal of Geophysical Research: Oceans, 2016, 121, 8621-8634.	1.0	2
72	Tidal currents at the sills of the Northern Gulf of California. Continental Shelf Research, 2021, 227, 104513.	0.9	2

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73	In-Stream Tidal Energy Resources in Macrotidal Non-Cohesive Sediment Environments: Effect of Morphodynamic Changes at Two Bays in the Upper Gulf of California. <i>Journal of Marine Science and Engineering</i> , 2021, 9, 411.	1.2	1
74	Metamorphosis of spiny lobsters (<i>Panulirus argus</i> and <i>Panulirus guttatus</i>) in the Yucatan Current as inferred from the distribution of pueruli and final stage phyllosomata. <i>Limnology and Oceanography</i> , 2021, 66, 3421-3438.	1.6	1