

Luca R Centurioni

List of Publications by Year in descending order

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43
papers

1,795
citations

361045

20
h-index

301761

39
g-index

44
all docs

44
docs citations

44
times ranked

2136
citing authors

#	ARTICLE	IF	CITATIONS
1	The formation and fate of internal waves in the South China Sea. <i>Nature</i> , 2015, 521, 65-69.	13.7	487
2	Mean Dynamic Topography of the Ocean Derived from Satellite and Drifting Buoy Data Using Three Different Techniques*. <i>Journal of Atmospheric and Oceanic Technology</i> , 2009, 26, 1910-1919.	0.5	233
3	Advances in the Application of Surface Drifters. <i>Annual Review of Marine Science</i> , 2017, 9, 59-81.	5.1	147
4	Removing Spurious Low-Frequency Variability in Drifter Velocities. <i>Journal of Atmospheric and Oceanic Technology</i> , 2013, 30, 353-360.	0.5	92
5	ASIRI: An Oceanâ€™s Atmosphere Initiative for Bay of Bengal. <i>Bulletin of the American Meteorological Society</i> , 2016, 97, 1859-1884.	1.7	69
6	On the surface currents of the Caribbean Sea. <i>Geophysical Research Letters</i> , 2003, 30, .	1.5	62
7	Mean Structure and Variability of the Cold Dome Northeast of Taiwan. <i>Oceanography</i> , 2011, 24, 100-109.	0.5	60
8	The nascent Kuroshio of Lamon Bay. <i>Journal of Geophysical Research: Oceans</i> , 2014, 119, 4251-4263.	1.0	58
9	Mesoscale Dongsha Cyclonic Eddy in the northern South China Sea by drifter and satellite observations. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	52
10	Observations of the cold wake of Typhoon Fanapi (2010). <i>Geophysical Research Letters</i> , 2013, 40, 316-321.	1.5	40
11	A Global Ocean Observing System for Measuring Sea Level Atmospheric Pressure: Effects and Impacts on Numerical Weather Prediction. <i>Bulletin of the American Meteorological Society</i> , 2017, 98, 231-238.	1.7	38
12	West Coast Forecast Challenges and Development of Atmospheric River Reconnaissance. <i>Bulletin of the American Meteorological Society</i> , 2020, 101, E1357-E1377.	1.7	35
13	Fulfilling Observing System Implementation Requirements with the Global Drifter Array. <i>Journal of Atmospheric and Oceanic Technology</i> , 2016, 33, 685-695.	0.5	32
14	Emergence of a neopelagic community through the establishment of coastal species on the high seas. <i>Nature Communications</i> , 2021, 12, 6885.	5.8	32
15	The mesoscale eddies and Kuroshio transport in the western North Pacific east of Taiwan from 8-year (2003â€™2010) model reanalysis. <i>Ocean Dynamics</i> , 2013, 63, 1027-1040.	0.9	31
16	Drifter Technology and Impacts for Sea Surface Temperature, Sea-Level Pressure, and Ocean Circulation Studies. <i>Springer Oceanography</i> , 2018, , 37-57.	0.2	28
17	Observed nearâ€™surface flows under all tropical cyclone intensity levels using drifters in the northwestern Pacific. <i>Journal of Geophysical Research: Oceans</i> , 2013, 118, 2367-2377.	1.0	25
18	Direct measurements of World Ocean tidal currents with surface drifters. <i>Journal of Geophysical Research: Oceans</i> , 2015, 120, 6986-7003.	1.0	25

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19	Autonomous Multi-Platform Observations During the Salinity Processes in the Upper-ocean Regional Study. <i>Oceanography</i> , 2017, 30, 38-48.	0.5	25
20	Frontal Convergence and Vertical Velocity Measured by Drifters in the Alboran Sea. <i>Journal of Geophysical Research: Oceans</i> , 2021, 126, e2020JC016614.	1.0	25
21	Typhoon-induced strong surface flows in the Taiwan strait and pacific. <i>Journal of Oceanography</i> , 2010, 66, 175-182.	0.7	24
22	Response of upper ocean currents to Typhoon Fanapi. <i>Geophysical Research Letters</i> , 2014, 41, 3995-4003.	1.5	23
23	Evaluation of Drifter Salinities in the Subtropical North Atlantic. <i>Journal of Atmospheric and Oceanic Technology</i> , 2015, 32, 185-192.	0.5	19
24	Can We Detect Submesoscale Motions in Drifter Pair Dispersion?. <i>Journal of Physical Oceanography</i> , 2019, 49, 2237-2254.	0.7	17
25	Bay of Bengal Intraseasonal Oscillations and the 2018 Monsoon Onset. <i>Bulletin of the American Meteorological Society</i> , 2021, 102, E1936-E1951.	1.7	15
26	Observed near-surface currents under four super typhoons. <i>Journal of Marine Systems</i> , 2014, 139, 311-319.	0.9	13
27	The global numerical weather prediction impact of mean sea level pressure observations from drifting buoys. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2017, 143, 974-985.	1.0	13
28	Direct Observations of Near-Inertial Wave Refraction in a Dipole Vortex. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL090375.	1.5	12
29	Observed strong currents under global tropical cyclones. <i>Journal of Marine Systems</i> , 2016, 159, 33-40.	0.9	11
30	A snapshot of internal waves and hydrodynamic instabilities in the southern Bay of Bengal. <i>Journal of Geophysical Research: Oceans</i> , 2016, 121, 5898-5915.	1.0	10
31	Monsoonal impact on circulation pathways in the Indian Ocean. <i>Acta Oceanologica Sinica</i> , 2020, 39, 103-112.	0.4	9
32	Surface Current Variations and Oceanic Fronts in the Southern East China Sea: Drifter Experiments, Coastal Radar Applications, and Satellite Observations. <i>Journal of Geophysical Research: Oceans</i> , 2021, 126, e2021JC017373.	1.0	7
33	Comparing the Currents Measured by CARTHE, CODE and SVP Drifters as a Function of Wind and Wave Conditions in the Southwestern Mediterranean Sea. <i>Sensors</i> , 2022, 22, 353.	2.1	7
34	On the Structure and Kinematics of an Algerian Eddy in the Southwestern Mediterranean Sea. <i>Remote Sensing</i> , 2021, 13, 3039.	1.8	6
35	On Characterizing Ocean Kinematics from Surface Drifters. <i>Journal of Atmospheric and Oceanic Technology</i> , 2022, 39, 1183-1198.	0.5	5
36	Observations of the cold wake of Typhoon Fanapi (2010). <i>Geophysical Research Letters</i> , 2013, , n/a-n/a.	1.5	2

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37	Vorticity in the Wake of Palau from Lagrangian Surface Drifters. Journal of Physical Oceanography, 2022, 52, 2237-2255.	0.7	2
38	Super Sites for Advancing Understanding of the Oceanic and Atmospheric Boundary Layers. Marine Technology Society Journal, 2021, 55, 144-145.	0.3	1
39	Sustained Open Access Global Wave Observations for Science and Society. Marine Technology Society Journal, 2021, 55, 94-95.	0.3	1
40	Estimates of Near-Inertial Wind Power Input Using Novel In Situ Wind Measurements from Minimet Surface Drifters in the Iceland Basin. Journal of Physical Oceanography, 2022, 52, 2417-2430.	0.7	1
41	Conditions for Reliable Divergence Estimates from Drifter Triplets. Journal of Atmospheric and Oceanic Technology, 2022, , .	0.5	1
42	Favorite trajectories. , 0, , 68-88.		0
43	Using drifter observations to unearth the mysteries of Monsoons in the Bay of Bengal. , 2022, , .		0