

Wei Zhao

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

52
papers

1,630
citations

21
h-index

39
g-index

59
ext. papers

2,104
ext. citations

3.2
avg, IF

4.79
L-index

#	Paper	IF	Citations
52	The CBLAST-Hurricane Program and the Next-Generation Fully Coupled Atmosphere-Wave-Ocean Models for Hurricane Research and Prediction. <i>Bulletin of the American Meteorological Society</i> , 2007 , 88, 311-318	6.1	221
51	Enhanced Diapycnal Mixing in the South China Sea. <i>Journal of Physical Oceanography</i> , 2009 , 39, 3191-3203	3.4	146
50	Observed 3D Structure, Generation, and Dissipation of Oceanic Mesoscale Eddies in the South China Sea. <i>Scientific Reports</i> , 2016 , 6, 24349	4.9	125
49	A mesoscale eddy pair southwest of Taiwan and its influence on deep circulation. <i>Journal of Geophysical Research: Oceans</i> , 2013 , 118, 6479-6494	3.3	100
48	Observed upper ocean response to typhoon Megi (2010) in the Northern South China Sea. <i>Journal of Geophysical Research: Oceans</i> , 2014 , 119, 3134-3157	3.3	88
47	Deep water circulation in the Luzon Strait. <i>Journal of Geophysical Research: Oceans</i> , 2014 , 119, 790-804	3.3	81
46	Anticyclonic Eddy Sheddings from Kuroshio Loop and the Accompanying Cyclonic Eddy in the Northeastern South China Sea. <i>Journal of Physical Oceanography</i> , 2017 , 47, 1243-1259	2.4	76
45	Observation of Luzon Strait transport in summer 2007. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2010 , 57, 670-676	2.5	63
44	An extreme internal solitary wave event observed in the northern South China Sea. <i>Scientific Reports</i> , 2016 , 6, 30041	4.9	61
43	Three-Dimensional Distribution of Turbulent Mixing in the South China Sea. <i>Journal of Physical Oceanography</i> , 2016 , 46, 769-788	2.4	54
42	Variability of the Deep-Water Overflow in the Luzon Strait*. <i>Journal of Physical Oceanography</i> , 2014 , 44, 2972-2986	2.4	52
41	Spatial structure and temporal variability of the zonal flow in the Luzon Strait. <i>Journal of Geophysical Research: Oceans</i> , 2015 , 120, 759-776	3.3	49
40	Observed and simulated submesoscale vertical pump of an anticyclonic eddy in the South China Sea. <i>Scientific Reports</i> , 2017 , 7, 44011	4.9	37
39	Elevated Mixing in the Periphery of Mesoscale Eddies in the South China Sea. <i>Journal of Physical Oceanography</i> , 2017 , 47, 895-907	2.4	36
38	Impacts of a Mesoscale Eddy Pair on Internal Solitary Waves in the Northern South China Sea revealed by Mooring Array Observations. <i>Journal of Physical Oceanography</i> , 2017 , 47, 1539-1554	2.4	30
37	Observations of turbulence on the shelf and slope of northern South China Sea. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2014 , 87, 43-52	2.5	25
36	Subthermocline eddies observed by rapid-sampling Argo floats in the subtropical northwestern Pacific Ocean in Spring 2014. <i>Geophysical Research Letters</i> , 2015 , 42, 6438-6445	4.9	24

35	Sub-seasonal variability of Luzon Strait Transport in a high resolution global model. <i>Acta Oceanologica Sinica</i> , 2010 , 29, 9-17	1	24
34	A statistical study on the subthermocline submesoscale eddies in the northwestern Pacific Ocean based on Argo data. <i>Journal of Geophysical Research: Oceans</i> , 2017 , 122, 3586-3598	3-3	23
33	Deep Western Boundary Current in the South China Sea. <i>Scientific Reports</i> , 2017 , 7, 9303	4-9	23
32	Mooring observations of internal solitary waves in the deep basin west of Luzon Strait. <i>Acta Oceanologica Sinica</i> , 2014 , 33, 82-89	1	22
31	Interannual modulation of eddy kinetic energy in the northeastern South China Sea as revealed by an eddy-resolving OGCM. <i>Journal of Geophysical Research: Oceans</i> , 2016 , 121, 3190-3201	3-3	21
30	Determination of Harmonic Parameters with Temporal Variations: An Enhanced Harmonic Analysis Algorithm and Application to Internal Tidal Currents in the South China Sea. <i>Journal of Atmospheric and Oceanic Technology</i> , 2018 , 35, 1375-1398	2	21
29	Latitude-dependent finescale turbulent shear generations in the Pacific tropical-extratropical upper ocean. <i>Nature Communications</i> , 2018 , 9, 4086	17.4	21
28	Role of Mesoscale Eddies in Modulating the Semidiurnal Internal Tide: Observation Results in the Northern South China Sea. <i>Journal of Physical Oceanography</i> , 2018 , 48, 1749-1770	2.4	21
27	Patterns of K1 and M2 internal tides and their seasonal variations in the northern South China Sea. <i>Journal of Oceanography</i> , 2013 , 69, 481-494	1.9	17
26	Observation of material fluxes through the Luzon Strait. <i>Chinese Journal of Oceanology and Limnology</i> , 2011 , 29, 26-32		15
25	Spatiotemporal Characteristics and Generation Mechanisms of Submesoscale Currents in the Northeastern South China Sea Revealed by Numerical Simulations. <i>Journal of Geophysical Research: Oceans</i> , 2020 , 125, e2019JC015404	3-3	14
24	Asymmetry of internal waves and its effects on the ecological environment observed in the northern South China Sea. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2015 , 98, 94-101	2.5	14
23	Deepwater overflow observed by three bottom-anchored moorings in the Bashi Channel. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2016 , 110, 65-74	2.5	13
22	Variability in the Deep Overflow through the Heng-Chun Ridge of the Luzon Strait. <i>Journal of Physical Oceanography</i> , 2019 , 49, 811-825	2.4	11
21	A new method to estimate phase speed and vertical velocity of internal solitary waves in the South China Sea. <i>Journal of Oceanography</i> , 2012 , 68, 761-769	1.9	11
20	Temporal variability of the current in the northeastern South China Sea revealed by 2.5-year-long moored observations. <i>Journal of Oceanography</i> , 2015 , 71, 361-372	1.9	9
19	Polarity Variations of Internal Solitary Waves over the Continental Shelf of the Northern South China Sea: Impacts of Seasonal Stratification, Mesoscale Eddies, and Internal Tides. <i>Journal of Physical Oceanography</i> , 2018 , 48, 1349-1365	2.4	8
18	Three-Dimensional Structure and Interannual Variability of the Kuroshio Loop Current in the Northeastern South China Sea. <i>Journal of Physical Oceanography</i> , 2020 , 50, 2437-2455	2.4	8

17	Temporal variability of diapycnal mixing in the northern South China Sea. <i>Journal of Geophysical Research: Oceans</i> , 2016 , 121, 8840-8848	3.3	8
16	Observations of Deep Current at the Western Boundary of the Northern Philippine Basin. <i>Scientific Reports</i> , 2018 , 8, 14334	4.9	8
15	Elevated Diapycnal Mixing by a Subthermocline Eddy in the Western Equatorial Pacific. <i>Geophysical Research Letters</i> , 2019 , 46, 2628-2636	4.9	7
14	Cascade of Internal Wave Energy Catalyzed by Eddy-Topography Interactions in the Deep South China Sea. <i>Geophysical Research Letters</i> , 2020 , 47, e2019GL086510	4.9	6
13	Submesoscale Currents in the Subtropical Upper Ocean Observed by Long-Term High-Resolution Mooring Arrays. <i>Journal of Physical Oceanography</i> , 2021 , 51, 187-206	2.4	6
12	Long-term ambient noise statistics in the northeast South China Sea. <i>Journal of the Acoustical Society of America</i> , 2019 , 145, EL501	2.2	5
11	Timed Communication Buoy System: A Subsurface Mooring System for Efficient Sensor Data Recovery. <i>Marine Technology Society Journal</i> , 2015 , 49, 117-126	0.5	3
10	Impacts of tropical cyclone inflow angle on ocean surface waves. <i>Chinese Journal of Oceanology and Limnology</i> , 2011 , 29, 460-469		3
9	Examination of wind-wave interaction source term in WAVEWATCH III with tropical cyclone wind forcing. <i>Acta Oceanologica Sinica</i> , 2011 , 30, 1-13	1	3
8	Deep circulation in the South China Sea simulated in a regional model. <i>Ocean Dynamics</i> , 2020 , 70, 1461-1473	4.3	2
7	Water-Mass Properties and Circulation in the Deep and Abyssal Philippine Sea. <i>Journal of Geophysical Research: Oceans</i> , 2021 , 126, e2020JC016994	3.3	2
6	Intense Abyssal Flow Through the Yap-Mariana Junction in the Western North Pacific. <i>Geophysical Research Letters</i> , 2022 , 49,	4.9	1
5	Temporal variability of internal solitary waves in the northern South China Sea revealed by long-term mooring observations. <i>Progress in Oceanography</i> , 2022 , 201, 102716	3.8	1
4	An Improved Timed Communication Buoy System. <i>Marine Technology Society Journal</i> , 2017 , 51, 23-30	0.5	0
3	On Contributions of Multiscale Dynamic Processes to the Steric Height in the Northeastern South China Sea as Revealed by Moored Observations. <i>Geophysical Research Letters</i> , 2021 , 48, e2021GL093829	4.9	0
2	Impacts of subtidal motions and the earth rotation on modal characteristics of the semidiurnal internal tide. <i>Journal of Oceanography</i> , 2020 , 76, 15-27	1.9	0
1	Estimating Four-Dimensional Internal Wave Spectrum in the Northern South China Sea. <i>Journal of Atmospheric and Oceanic Technology</i> , 2019 , 36, 1199-1216	2	