

Wei Zhao

List of Publications by Year in descending order

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59
papers

2,570
citations

218592

26
h-index

197736

49
g-index

59
all docs

59
docs citations

59
times ranked

1545
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	1.7	272
2	Observed 3D Structure, Generation, and Dissipation of Oceanic Mesoscale Eddies in the South China Sea. <i>Scientific Reports</i> , 2016, 6, 24349.	1.6	202
3	Enhanced Diapycnal Mixing in the South China Sea. <i>Journal of Physical Oceanography</i> , 2009, 39, 3191-3203.	0.7	201
4	A mesoscale eddy pair southwest of Taiwan and its influence on deep circulation. <i>Journal of Geophysical Research: Oceans</i> , 2013, 118, 6479-6494.	1.0	143
5	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.	1.0	128
6	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.	0.7	125
7	An extreme internal solitary wave event observed in the northern South China Sea. <i>Scientific Reports</i> , 2016, 6, 30041.	1.6	120
8	Deep water circulation in the Luzon Strait. <i>Journal of Geophysical Research: Oceans</i> , 2014, 119, 790-804.	1.0	110
9	Three-Dimensional Distribution of Turbulent Mixing in the South China Sea. <i>Journal of Physical Oceanography</i> , 2016, 46, 769-788.	0.7	85
10	Observation of Luzon Strait transport in summer 2007. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2010, 57, 670-676.	0.6	79
11	Variability of the Deep-Water Overflow in the Luzon Strait*. <i>Journal of Physical Oceanography</i> , 2014, 44, 2972-2986.	0.7	69
12	Spatial structure and temporal variability of the zonal flow in the Luzon Strait. <i>Journal of Geophysical Research: Oceans</i> , 2015, 120, 759-776.	1.0	67
13	Observed and simulated submesoscale vertical pump of an anticyclonic eddy in the South China Sea. <i>Scientific Reports</i> , 2017, 7, 44011.	1.6	64
14	Elevated Mixing in the Periphery of Mesoscale Eddies in the South China Sea. <i>Journal of Physical Oceanography</i> , 2017, 47, 895-907.	0.7	56
15	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.	0.7	54
16	Deep Western Boundary Current in the South China Sea. <i>Scientific Reports</i> , 2017, 7, 9303.	1.6	45
17	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.	1.5	41
18	Latitude-dependent finescale turbulent shear generations in the Pacific tropical-extratropical upper ocean. <i>Nature Communications</i> , 2018, 9, 4086.	5.8	40

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19	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.	0.7	40
20	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.	1.0	39
21	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.	1.0	36
22	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.	0.6	33
23	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.	1.0	33
24	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.	0.7	32
25	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.	0.5	31
26	Mooring observations of internal solitary waves in the deep basin west of Luzon Strait. <i>Acta Oceanologica Sinica</i> , 2014, 33, 82-89.	0.4	29
27	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.	0.6	28
28	Sub-seasonal variability of Luzon Strait Transport in a high resolution global model. <i>Acta Oceanologica Sinica</i> , 2010, 29, 9-17.	0.4	26
29	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.	0.6	23
30	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.	0.7	21
31	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.	0.7	21
32	Elevated Diapycnal Mixing by a Subthermocline Eddy in the Western Equatorial Pacific. <i>Geophysical Research Letters</i> , 2019, 46, 2628-2636.	1.5	20
33	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.	0.7	20
34	Variability in the Deep Overflow through the Heng-Chun Ridge of the Luzon Strait. <i>Journal of Physical Oceanography</i> , 2019, 49, 811-825.	0.7	19
35	Cascade of Internal Wave Energy Catalyzed by Eddy-Topography Interactions in the Deep South China Sea. <i>Geophysical Research Letters</i> , 2020, 47, e2019GL086510.	1.5	19
36	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.	0.7	18

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37	Seasonal Modulation of Submesoscale Kinetic Energy in the Upper Ocean of the Northeastern South China Sea. <i>Journal of Geophysical Research: Oceans</i> , 2021, 126, .	1.0	17
38	Observation of material fluxes through the Luzon Strait. <i>Chinese Journal of Oceanology and Limnology</i> , 2011, 29, 26-32.	0.7	16
39	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.	1.5	16
40	Observations of Deep Current at the Western Boundary of the Northern Philippine Basin. <i>Scientific Reports</i> , 2018, 8, 14334.	1.6	14
41	Long-term ambient noise statistics in the northeast South China Sea. <i>Journal of the Acoustical Society of America</i> , 2019, 145, EL501-EL507.	0.5	14
42	Temporal variability of diapycnal mixing in the northern South China Sea. <i>Journal of Geophysical Research: Oceans</i> , 2016, 121, 8840-8848.	1.0	13
43	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.	0.7	12
44	Submesoscale Coherent Vortices Observed in the Northeastern South China Sea. <i>Journal of Geophysical Research: Oceans</i> , 2022, 127, .	1.0	11
45	Waterâ€ˆMass Properties and Circulation in the Deep and Abyssal Philippine Sea. <i>Journal of Geophysical Research: Oceans</i> , 2021, 126, e2020JC016994.	1.0	9
46	Subsurface Mesoscale Eddies Observed in the Northeastern South China Sea: Dynamic Features and Water Mass Transport. <i>Journal of Physical Oceanography</i> , 2022, 52, 841-855.	0.7	9
47	Intense Abyssal Flow Through the Yapâ€ˆMariana Junction in the Western North Pacific. <i>Geophysical Research Letters</i> , 2022, 49, .	1.5	8
48	Deep circulation in the South China Sea simulated in a regional model. <i>Ocean Dynamics</i> , 2020, 70, 1461-1473.	0.9	6
49	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.	1.5	6
50	Dynamics of the Baroclinic Rossby Waves Regulating the Abyssal South China Sea. <i>Journal of Physical Oceanography</i> , 2022, 52, 873-887.	0.7	6
51	Timed Communication Buoy System: A Subsurface Mooring System for Efficient Sensor Data Recovery. <i>Marine Technology Society Journal</i> , 2015, 49, 117-126.	0.3	5
52	Internal Lee Waves Generated by Shear Flow Over Smallâ€ˆScale Topography. <i>Journal of Geophysical Research: Oceans</i> , 2022, 127, .	1.0	5
53	Impacts of tropical cyclone inflow angle on ocean surface waves. <i>Chinese Journal of Oceanology and Limnology</i> , 2011, 29, 460-469.	0.7	4
54	Examination of wind-wave interaction source term in WAVEWATCH III with tropical cyclone wind forcing. <i>Acta Oceanologica Sinica</i> , 2011, 30, 1-13.	0.4	4

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55	An Improved Timed Communication Buoy System. <i>Marine Technology Society Journal</i> , 2017, 51, 23-30.	0.3	2
56	Circulation Driven by Multihump Turbulent Mixing Over a Seamount in the South China Sea. <i>Frontiers in Marine Science</i> , 2022, 8, .	1.2	2
57	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.	0.7	1
58	Spatial variation of bottom mixed layer in the South China Sea and a potential mechanism. <i>Progress in Oceanography</i> , 2022, 206, 102856.	1.5	1
59	Estimating Four-Dimensional Internal Wave Spectrum in the Northern South China Sea. <i>Journal of Atmospheric and Oceanic Technology</i> , 2019, 36, 1199-1216.	0.5	0