Zhiyou Jing

List of Publications by Year in descending order

32 papers	769 citations	623734 14 h-index	526287 27 g-index
33 all docs	33 docs citations	33 times ranked	738 citing authors

#	Article	IF	Citations
1	Numerical study on the summer upwelling system in the northern continental shelf of the South China Sea. Continental Shelf Research, 2009, 29, 467-478.	1.8	183
2	Upwelling in the continental shelf of northern South China Sea associated with 1997â€“1998 El NiÃ±o. Journal of Geophysical Research, 2011, 116, .	3.3	87
3	Summer upwelling and thermal fronts in the northwestern <scp>S</scp>outh <scp>C</scp>hina <scp>S</scp>ea: <scp>O</scp>bservational analysis of two mesoscale mapping surveys. Journal of Geophysical Research: Oceans, 2015, 120, 1993-2006.	2.6	50
4	Spatial and seasonal distributions of bacterioplankton in the Pearl River Estuary: The combined effects of riverine inputs, temperature, and phytoplankton. Marine Pollution Bulletin, 2017, 125, 199-207.	5.0	50
5	Distribution of picoplankton in the northeastern South China Sea with special reference to the effects of the Kuroshio intrusion and the associated mesoscale eddies. Science of the Total Environment, 2017, 589, 1-10.	8.0	48
6	Coral bleaching caused by an abnormal water temperature rise at Luhuitou fringing reef, Sanya Bay, China. Aquatic Ecosystem Health and Management, 2012, 15, 227-233.	0.6	41
7	Submesoscale Fronts and Their Dynamical Processes Associated with Symmetric Instability in the Northwest Pacific Subtropical Ocean. Journal of Physical Oceanography, 2021, 51, 83-100.	1.7	37
8	Seasonal thermal fronts on the northern South China Sea shelf: Satellite measurements and three repeated field surveys. Journal of Geophysical Research: Oceans, 2016, 121, 1914-1930.	2.6	31
9	Synechococcus bloom in the Pearl River Estuary and adjacent coastal areaâ€“With special focus on flooding during wet seasons. Science of the Total Environment, 2019, 692, 769-783.	8.0	29
10	Scale Transition From Geostrophic Motions to Internal Waves in the Northern South China Sea. Journal of Geophysical Research: Oceans, 2019, 124, 9364-9383.	2.6	25
11	Submesoscale Features and Turbulent Mixing of an Oblique Anticyclonic Eddy in the Gulf of Alaska Investigated by Marine Seismic Survey Data. Journal of Geophysical Research: Oceans, 2020, 125, e2019JC015393.	2.6	25
12	Dynamical analysis of submesoscale fronts associated with wind-forced offshore jet in the western South China Sea. Acta Oceanologica Sinica, 2020, 39, 1-12.	1.0	22
13	Submesoscale Eddies in the Upper Ocean of the Kuroshio Extension from High-resolution Simulation: Energy Budget. Journal of Physical Oceanography, 2021, , .	1.7	17
14	Enhancement of eddy-Ekman pumping inside anticyclonic eddies with wind-parallel extension: Satellite observations and numerical studies in the South China Sea. Journal of Marine Systems, 2014, 132, 150-161.	2.1	15
15	Satellite observations of sub-mesoscale vortex trains in the western boundary of the South China Sea. Journal of Marine Systems, 2018, 183, 56-62.	2.1	13
16	Submesoscale Ageostrophic Motions Within and Below the Mixed Layer of the Northwestern Pacific Ocean. Journal of Geophysical Research: Oceans, 2022, 127, .	2.6	13
17	Comparison and validation of global and regional ocean forecasting systems for the South China Sea. Natural Hazards and Earth System Sciences, 2016, 16, 1639-1655.	3.6	12
18	Upper ocean near-inertial response to the passage of two sequential typhoons in the northwestern South China Sea. Science China Earth Sciences, 2019, 62, 863-871.	5.2	10

#	Article	IF	Citations
19	Submesoscale Flows Associated with Convergent Strain in an Anticyclonic Eddy of the Kuroshio Extension: A High-resolution Numerical Study. Ocean Science Journal, 2020, 55, 249-264.	1.3	10
20	Seasonal and Spatial Features of Barotropic and Baroclinic Tides in the Northwestern South China Sea. Journal of Geophysical Research: Oceans, 2020, 125, e2018JC014860.	2.6	10
21	Persistent upwelling and front over the Sulu Ridge and their variations. Journal of Geophysical Research, 2012, 117, .	3.3	8
22	Diapycnal Mixing in the Subthermocline of the Mariana Ridge from High-Resolution Seismic Images. Journal of Physical Oceanography, 2021, 51, 1283-1300.	1.7	8
23	Trend in fishing activity in the open South China Sea estimated from remote sensing of the lights used at night by fishing vessels. ICES Journal of Marine Science, 2022, 79, 230-241.	2.5	7
24	Seasonal characteristics of internal tides and their responses to background currents in the Luzon Strait. Acta Oceanologica Sinica, 2015, 34, 46-54.	1.0	5
25	High-resolution simulation of upper-ocean submesoscale variability in the South China Sea: Spatial and seasonal dynamical regimes. Acta Oceanologica Sinica, 2022, 41, 26-41.	1.0	4
26	Submesoscale motions and their seasonality in the northern Bay of Bengal. Acta Oceanologica Sinica, 2022, 41, 1-13.	1.0	3
27	Submesoscale-enhanced filaments and frontogenetic mechanism within mesoscale eddies of the South China Sea. Acta Oceanologica Sinica, 2022, 41, 42-53.	1.0	2
28	An observed cyclonic eddy associated with boundary current in the northwestern South China Sea. Aquatic Ecosystem Health and Management, 2015, 18, 454-461.	0.6	1
29	Enhanced Diapycnal Mixing in the Deep Ocean Around the Island of Taiwan. Journal of Geophysical Research: Oceans, 2022, 127, .	2.6	1
30	Effects of symmetric instability in the Kuroshio Extension region in winter. Deep-Sea Research Part II: Topical Studies in Oceanography, 2022, 202, 105142.	1.4	1
31	Upwelling velocity and ventilation in the western South China Sea deduced from CFC-12 and SF₆ observations. Journal of Marine Research, 2021, 79, 1-25.	0.3	0
32	Surface available gravitational potential energy in the world oceans. Acta Oceanologica Sinica, 2022, 41, 40-56.	1.0	0