Lili Zeng

List of Publications by Year
in descending order

80 papers	3,504 citations	136740 32 h-index	149479 56 g-index
81 all docs	81 docs citations	81 times ranked	1648 citing authors

#	Article	IF	Citations
1	Summer upwelling in the South China Sea and its role in regional climate variations. Journal of Geophysical Research, 2003, 108, .	3.3	445
2	Connecting the tropical Pacific with Indian Ocean through South China Sea. Geophysical Research Letters, 2005, 32, .	1.5	159
3	Interannual variability of the South China Sea associated with El NiÃ±o. Journal of Geophysical Research, 2006, 111, .	3.3	153
4	Interannual variability of the South China Sea throughflow inferred from wind data and an ocean data assimilation product. Geophysical Research Letters, 2006, 33, .	1.5	140
5	Anticyclonic eddies in the northeastern South China Sea during winter 2003/2004. Journal of Oceanography, 2008, 64, 925-935.	0.7	129
6	Intraseasonal variability in the summer South China Sea: Wind jet, cold filament, and recirculations. Journal of Geophysical Research, 2007, 112, .	3.3	117
7	Three long-lived anticyclonic eddies in the northern South China Sea. Journal of Geophysical Research, 2011, 116, .	3.3	116
8	Eddy heat and salt transports in the South China Sea and their seasonal modulations. Journal of Geophysical Research, 2012, 117, .	3.3	110
9	Intraseasonal variability in sea surface height over the South China Sea. Journal of Geophysical Research, 2010, 115, .	3.3	102
10	Seasonal variability of thermal fronts in the northern South China Sea from satellite data. Geophysical Research Letters, 2001, 28, 3963-3966.	1.5	85
11	An exceptional anticyclonic eddy in the South China Sea in 2010. Journal of Geophysical Research: Oceans, 2014, 119, 881-897.	1.0	85
12	Meridional overturning circulation in the South China Sea envisioned from the high-resolution global reanalysis data GLBa0.08. Journal of Geophysical Research: Oceans, 2014, 119, 3012-3028.	1.0	85
13	ENSO-induced interannual variability in the southeastern South China Sea. Journal of Oceanography, 2011, 67, 127-133.	0.7	76
14	A general circulation model study of the dynamics of the upper ocean circulation of the South China Sea. Journal of Geophysical Research, 2002, 107, 22-1.	3.3	74
15	Weakening of the Kuroshio Intrusion into the South China Sea over the Past Two Decades. Journal of Climate, 2013, 26, 8097-8110.	1.2	70
16	Numerical investigation on propulsion of the counter-wind current in the northern South China Sea in winter. Deep-Sea Research Part I: Oceanographic Research Papers, 2010, 57, 1206-1221.	0.6	66
17	Mean seasonal cycle of isothermal depth in the South China Sea. Journal of Geophysical Research, 2007, 112, .	3.3	58
18	SCSPOD14, a South China Sea physical oceanographic dataset derived from in situ measurements during 1919â€“2014. Scientific Data, 2016, 3, 160029.	2.4	58

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19	Progress of regional oceanography study associated with western boundary current in the South China Sea. Science Bulletin, 2013, 58, 1205-1215.	1.7	57
20	Freshening in the <scp>S</scp>outh <scp>C</scp>hina <scp>S</scp>ea during 2012 revealed by <scp>A</scp>quarius and in situ data. Journal of Geophysical Research: Oceans, 2014, 119, 8296-8314.	1.0	56
21	Thermal variations in the <scp>S</scp>outh <scp>C</scp>hina <scp>S</scp>ea associated with the eastern and central <scp>P</scp>acific <scp>E</scp>l <scp>N</scp>iÃ±o events and their mechanisms. Journal of Geophysical Research: Oceans, 2014, 119, 8955-8972.	1.0	55
22	Evolution of an anticyclonic eddy southwest of Taiwan. Ocean Dynamics, 2013, 63, 519-531.	0.9	54
23	On the role of wind and tide in generating variability of Pearl River plume during summer in a coupled wide estuary and shelf system. Journal of Marine Systems, 2014, 136, 65-79.	0.9	53
24	The 1997â€“1998 warm event in the South China Sea. Science Bulletin, 2002, 47, 1221-1227.	1.7	50
25	Intraseasonal variability of latent-heat flux in the South China Sea. Theoretical and Applied Climatology, 2009, 97, 53-64.	1.3	47
26	An analysis of the current deflection around Dongsha Islands in the northern South China Sea. Journal of Geophysical Research: Oceans, 2013, 118, 490-501.	1.0	47
27	Field-observation for an anticyclonic mesoscale eddy consisted of twelve gliders and sixty-two expendable probes in the northern South China Sea during summer 2017. Science China Earth Sciences, 2019, 62, 451-458.	2.3	41
28	Interplay between the Indonesian Throughflow and the South China Sea Throughflow. Science Bulletin, 2006, 51, 50-58.	1.7	39
29	Pathways of mesoscale variability in the South China Sea. Chinese Journal of Oceanology and Limnology, 2010, 28, 1055-1067.	0.7	37
30	Salinification in the South China Sea Since Late 2012: A Reversal of the Freshening Since the 1990s. Geophysical Research Letters, 2018, 45, 2744-2751.	1.5	37
31	Mesoscale eddies cases study at <scp>X</scp>isha waters in the <scp>S</scp>outh <scp>C</scp>hina <scp>S</scp>ea in 2009/2010. Journal of Geophysical Research: Oceans, 2015, 120, 517-532.	1.0	36
32	Observed evidence of the anomalous <scp>S</scp>outh <scp>C</scp>hina <scp>S</scp>ea western boundary current during the summers of 2010 and 2011. Journal of Geophysical Research: Oceans, 2016, 121, 1145-1159.	1.0	35
33	Decadal variation and trends in subsurface salinity from 1960 to 2012 in the northern South China Sea. Geophysical Research Letters, 2016, 43, 12,181.	1.5	33
34	Different roles of Ekman pumping in the west and east segments of the South China Sea Warm Current. Acta Oceanologica Sinica, 2011, 30, 1-13.	0.4	32
35	Implication of the South China Sea throughflow for the interannual variability of the regional upper-ocean heat content. Advances in Atmospheric Sciences, 2012, 29, 54-62.	1.9	32
36	Extreme subsurface warm events in the South China Sea during 1998/99 and 2006/07: observations and mechanisms. Climate Dynamics, 2018, 50, 115-128.	1.7	32

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37	Eddyâ€Induced Transport of Saline Kuroshio Water Into the Northern South China Sea. Journal of Geophysical Research: Oceans, 2019, 124, 6673-6687.	1.0	32
38	Seasonal variability in coastal fronts and its influence on sea surface wind in the Northern South China Sea. Deep-Sea Research Part II: Topical Studies in Oceanography, 2015, 119, 30-39.	0.6	31
39	Early and Extreme Warming in the South China Sea During 2015/2016: Role of an Unusual Indian Ocean Dipole Event. Geophysical Research Letters, 2020, 47, e2020GL089936.	1.5	31
40	Interannual variation of the South China Sea circulation during winter: intensified in the southern basin. Climate Dynamics, 2019, 52, 1917-1933.	1.7	30
41	A revisit of the interannual variation of the South China Sea upper layer circulation in summer: correlation between the eastward jet and northward branch. Climate Dynamics, 2020, 54, 457-471.	1.7	30
42	Interannual variability of South China Sea winter circulation: response to Luzon Strait transport and El NiÃ±o wind. Climate Dynamics, 2020, 54, 1145-1159.	1.7	27
43	Seasonal variations in the barrier layer in the South China Sea: characteristics, mechanisms and impact of warming. Climate Dynamics, 2017, 48, 1911-1930.	1.7	26
44	Freshening of the upper ocean in the South China Sea since the early 1990s. Deep-Sea Research Part I: Oceanographic Research Papers, 2016, 118, 20-29.	0.6	25
45	Contrasting changes in the sea surface temperature and upper ocean heat content in the South China Sea during recent decades. Climate Dynamics, 2019, 53, 1597-1612.	1.7	24
46	The Linkage of Kuroshio Intrusion and Mesoscale Eddy Variability in the Northern South China Sea: Subsurface Speed Maximum. Geophysical Research Letters, 2020, 47, e2020GL087034.	1.5	23
47	Properties and Drivers of Marine Heat Waves in the Northern South China Sea. Journal of Physical Oceanography, 2022, 52, 917-927.	0.7	23
48	Remote Tropical Western Indian Ocean Forcing on Changes in June Precipitation in South China and the Indochina Peninsula. Journal of Climate, 2020, 33, 7553-7566.	1.2	21
49	Forecast of summer precipitation in the Yangtze River Valley based on South China Sea springtime sea surface salinity. Climate Dynamics, 2019, 53, 5495-5509.	1.7	19
50	Biases of five latent heat flux products and their impacts on mixedâ€layer temperature estimates in the <scp>S</scp>outh <scp>C</scp>hina <scp>S</scp>ea. Journal of Geophysical Research: Oceans, 2017, 122, 5088-5104.	1.0	18
51	Nonlinear Meridional Moisture Advection and the <scp>ENSO</scp>â€Southern China Rainfall Teleconnection. Geophysical Research Letters, 2018, 45, 4353-4360.	1.5	18
52	Intercomparison of GPS radiosonde soundings during the eastern tropical Indian Ocean experiment. Acta Oceanologica Sinica, 2014, 33, 127-134.	0.4	16
53	Exploring the Importance of the Mindoroâ€Sibutu Pathway to the Upperâ€Layer Circulation of the South China Sea and the Indonesian Throughflow. Journal of Geophysical Research: Oceans, 2019, 124, 5054-5066.	1.0	16
54	Evaluating the Roles of Windâ€and Buoyancy Fluxâ€Induced Mixing on Phytoplankton Dynamics in the Northern and Central South China Sea. Journal of Geophysical Research: Oceans, 2019, 124, 680-702.	1.0	15

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55	Evaluation of OAFlux datasets based on in situ airâ€“sea flux tower observations over Yongxing Island in 2016. Atmospheric Measurement Techniques, 2018, 11, 6091-6106.	1.2	14
56	Distribution of living radiolarians in spring in the South China Sea and its responses to environmental factors. Science China Earth Sciences, 2015, 58, 270-285.	2.3	13
57	Can Tropical Pacific Winds Enhance the Footprint of the Interdecadal Pacific Oscillation on the Upper-Ocean Heat Content in the South China Sea?. Journal of Climate, 2020, 33, 4419-4437.	1.2	13
58	Freshening of the intermediate water of the South China Sea between the 1960s and the 1980s. Chinese Journal of Oceanology and Limnology, 2012, 30, 1010-1015.	0.7	12
59	Ship observations and numerical simulation of the marine atmospheric boundary layer over the spring oceanic front in the northwestern South China Sea. Journal of Geophysical Research D: Atmospheres, 2017, 122, 3733-3753.	1.2	12
60	Dynamic of the upper cross-isobath's flow on the northern South China Sea in summer. Aquatic Ecosystem Health and Management, 2015, 18, 357-366.	0.3	11
61	Southern China Winter Rainfall Modulated by South China Sea Warming. Geophysical Research Letters, 2022, 49, .	1.5	10
62	Response of the Diurnal Cycle of Summer Rainfall to Largeâ€Scale Circulation and Coastal Upwelling at Hainan, South China. Journal of Geophysical Research D: Atmospheres, 2019, 124, 3702-3725.	1.2	9
63	Mixed Layer Heat Variations in the South China Sea Observed by Argo Float and Reanalysis Data during 2012â€“2015. Sustainability, 2019, 11, 5429.	1.6	8
64	The South China Sea throughflow: linkage with local monsoon system and impact on upper thermal structure of the ocean. Chinese Journal of Oceanology and Limnology, 2012, 30, 1001-1009.	0.7	7
65	Intraseasonal Variability of the Winter Western Boundary Current in the South China Sea Using Satellite Data and Mooring Observations. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2016, 9, 5079-5088.	2.3	7
66	Cool Skin Effect and its Impact on the Computation of the Latent Heat Flux in the South China Sea. Journal of Geophysical Research: Oceans, 2021, 126, .	1.0	7
67	How Much Heat and Salt Are Transported Into the South China Sea by Mesoscale Eddies?. Earth's Future, 2021, 9, e2020EF001857.	2.4	7
68	Mesoscale structure of the central South China Sea detected by SCSMEX Buoy and Argo float. Chinese Journal of Oceanology and Limnology, 2010, 28, 1102-1111.	0.7	6
69	Observation and numerical simulation of the marine meteorology elements and air-sea fluxes at Yongxing Island in September 2013. Aquatic Ecosystem Health and Management, 2015, 18, 394-402.	0.3	6
70	What Role Does the Barrier Layer Play During Extreme El NiÃ±o Events?. Journal of Geophysical Research: Oceans, 2021, 126, e2020JC017001.	1.0	5
71	SURFACE PATTERN OF THE SOUTH CHINA SEA WESTERN BOUNDARY CURRENT IN WINTER. , 2009, , 99-107.		5
72	Role of wind forcing and eddy activity in the intraseasonal variability of the barrier layer in the South China Sea. Ocean Dynamics, 2018, 68, 363-375.	0.9	4

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73	Multi-decadal changes in the South China Sea mixed layer salinity. Climate Dynamics, 2021, 57, 435-449.	1.7	4
74	Marine meteorology research progress of China from 2003 to 2006. Advances in Atmospheric Sciences, 2009, 26, 17-30.	1.9	3
75	Comparisons of the temperature and humidity profiles of reanalysis products with shipboard GPS sounding measurements obtained during the 2018 Eastern Indian Ocean Open Cruise. Atmospheric and Oceanic Science Letters, 2019, 12, 177-183.	0.5	3
76	Interannual variability of summertime eddy-induced heat transport in the Western South China Sea and its formation mechanism. Climate Dynamics, 2021, 57, 451-468.	1.7	3
77	Interpretation of interannual variability of the zonal contrasting thermal conditions in the winter South China Sea. Climate Dynamics, 2022, 58, 1439-1457.	1.7	3
78	Evaluation of Satellite-Altimetry-Derived Pycnocline Depth Products in the South China Sea. Remote Sensing, 2017, 9, 822.	1.8	2
79	Interannual Variability of Shelf and Slope Circulations in the Northern South China Sea. Journal of Ocean University of China, 2020, 19, 1005-1016.	0.6	2
80	Features of Intraseasonal Variability Observed in the Upper-Layer Current in the Northern South China Sea. Frontiers in Marine Science, 2021, 8, .	1.2	2