Fuan Xiao

List of Publications by Year
in descending order

44 papers	790 citations	430874 18 h-index	552781 26 g-index
44 all docs	44 docs citations	44 times ranked	627 citing authors

#	Article	IF	Citations
1	SCSPOD14, a South China Sea physical oceanographic dataset derived from in situ measurements during 1919â€“2014. Scientific Data, 2016, 3, 160029.	5.3	58
2	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.	2.6	56
3	Salinification in the South China Sea Since Late 2012: A Reversal of the Freshening Since the 1990s. Geophysical Research Letters, 2018, 45, 2744-2751.	4.0	37
4	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.	2.6	36
5	Toward a Mesoscale Hydrological and Marine Meteorological Observation Network in the South China Sea. Bulletin of the American Meteorological Society, 2015, 96, 1117-1135.	3.3	36
6	Decadal variation and trends in subsurface salinity from 1960 to 2012 in the northern South China Sea. Geophysical Research Letters, 2016, 43, 12,181.	4.0	33
7	Validation and application of MODIS-derived SST in the South China Sea. International Journal of Remote Sensing, 2014, 35, 4315-4328.	2.9	32
8	Extreme subsurface warm events in the South China Sea during 1998/99 and 2006/07: observations and mechanisms. Climate Dynamics, 2018, 50, 115-128.	3.8	32
9	Eddyâ€Induced Transport of Saline Kuroshio Water Into the Northern South China Sea. Journal of Geophysical Research: Oceans, 2019, 124, 6673-6687.	2.6	32
10	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.	1.4	31
11	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.	4.0	31
12	Interannual variation of the South China Sea circulation during winter: intensified in the southern basin. Climate Dynamics, 2019, 52, 1917-1933.	3.8	30
13	Interannual variability of South China Sea winter circulation: response to Luzon Strait transport and El NiÃ±o wind. Climate Dynamics, 2020, 54, 1145-1159.	3.8	27
14	Seasonal variations in the barrier layer in the South China Sea: characteristics, mechanisms and impact of warming. Climate Dynamics, 2017, 48, 1911-1930.	3.8	26
15	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.	3.8	24
16	The Linkage of Kuroshio Intrusion and Mesoscale Eddy Variability in the Northern South China Sea: Subsurface Speed Maximum. Geophysical Research Letters, 2020, 47, e2020GL087034.	4.0	23
17	Properties and Drivers of Marine Heat Waves in the Northern South China Sea. Journal of Physical Oceanography, 2022, 52, 917-927.	1.7	23
18	Forecast of summer precipitation in the Yangtze River Valley based on South China Sea springtime sea surface salinity. Climate Dynamics, 2019, 53, 5495-5509.	3.8	19

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19	Decadal variability of heat content in the South China Sea inferred from observation data and an ocean data assimilation product. Ocean Science, 2014, 10, 135-139.	3.4	18
20	Hydrographic field investigations in the Northern South China Sea by open cruises during 2004â€“2013. Science Bulletin, 2015, 60, 607-615.	9.0	18
21	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.	2.6	18
22	Nonlinear Meridional Moisture Advection and the <scp>ENSO</scp>â€Southern China Rainfall Teleconnection. Geophysical Research Letters, 2018, 45, 4353-4360.	4.0	18
23	On contributions by windâ€induced mixing and eddy pumping to interannual chlorophyll variability during different ENSO phases in the northern South China Sea. Limnology and Oceanography, 2019, 64, 503-514.	3.1	17
24	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.	3.2	13
25	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.	3.3	12
26	Southern China Winter Rainfall Modulated by South China Sea Warming. Geophysical Research Letters, 2022, 49, .	4.0	10
27	The seasonal variability of an air-sea heat flux in the northern South China Sea. Acta Oceanologica Sinica, 2012, 31, 79-86.	1.0	8
28	Mixed Layer Heat Variations in the South China Sea Observed by Argo Float and Reanalysis Data during 2012â€“2015. Sustainability, 2019, 11, 5429.	3.2	8
29	Abnormal Strong Upwelling off the Coast of Southeast Vietnam in the Late Summer of 2016: A Comparison with the Case in 1998. Atmosphere, 2020, 11, 940.	2.3	7
30	How Much Heat and Salt Are Transported Into the South China Sea by Mesoscale Eddies?. Earth's Future, 2021, 9, e2020EF001857.	6.3	7
31	Synoptic-scale disturbances over the northern South China Sea and their responses to El NiÃ±o. Acta Oceanologica Sinica, 2012, 31, 69-78.	1.0	6
32	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.	0.6	6
33	Joint Effect of West Pacific Warming and the Arctic Oscillation on the Bidecadal Variation and Trend of the East Asian Trough. Journal of Climate, 2022, 35, 2491-2501.	3.2	6
34	What Role Does the Barrier Layer Play During Extreme El NiÃ±o Events?. Journal of Geophysical Research: Oceans, 2021, 126, e2020JC017001.	2.6	5
35	Impacts of a wind stress and a buoyancy flux on the seasonal variation of mixing layer depth in the South China Sea. Acta Oceanologica Sinica, 2013, 32, 30-37.	1.0	4
36	Comparison of summer chlorophyll a concentration in the South China Sea and the Arabian Sea using remote sensing data. Acta Oceanologica Sinica, 2017, 36, 61-67.	1.0	4

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37	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.	2.2	4
38	Multi-decadal changes in the South China Sea mixed layer salinity. Climate Dynamics, 2021, 57, 435-449.	3.8	4
39	Interpretation of interannual variability of the zonal contrasting thermal conditions in the winter South China Sea. Climate Dynamics, 2022, 58, 1439-1457.	3.8	3
40	Discrepant Effects of Oceanic Advection in the Evolution of SST Anomalies in the South China Sea During El NiÃ±o of Different Intensities. Frontiers in Marine Science, 2022, 9, .	2.5	3
41	Contrasting dynamic characteristics of shear turbulence and Langmuir circulation in the surface mixed layer. Acta Oceanologica Sinica, 2015, 34, 1-11.	1.0	2
42	Preliminary analysis of the intraseasonal airâ€“sea interaction influenced by Xisha warm eddy. Aquatic Ecosystem Health and Management, 2015, 18, 386-393.	0.6	1
43	Modeling dissolved organic carbon and carbon export in the equatorial Pacific Ocean. Geo-Marine Letters, 2015, 35, 119-133.	1.1	1
44	Seasonal variation in the three-dimensional structures of coastal thermal front off western Guangdong. Acta Oceanologica Sinica, 2021, 40, 88-99.	1.0	1