

# Fuan Xiao

## List of Publications by Year in descending order

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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	Interpretation of interannual variability of the zonal contrasting thermal conditions in the winter South China Sea. <i>Climate Dynamics</i> , 2022, 58, 1439-1457.	3.8	3
2	Joint Effect of West Pacific Warming and the Arctic Oscillation on the Bidecadal Variation and Trend of the East Asian Trough. <i>Journal of Climate</i> , 2022, 35, 2491-2501.	3.2	6
3	Properties and Drivers of Marine Heat Waves in the Northern South China Sea. <i>Journal of Physical Oceanography</i> , 2022, 52, 917-927.	1.7	23
4	Discrepant Effects of Oceanic Advection in the Evolution of SST Anomalies in the South China Sea During El Niño of Different Intensities. <i>Frontiers in Marine Science</i> , 2022, 9, .	2.5	3
5	Southern China Winter Rainfall Modulated by South China Sea Warming. <i>Geophysical Research Letters</i> , 2022, 49, .	4.0	10
6	Multi-decadal changes in the South China Sea mixed layer salinity. <i>Climate Dynamics</i> , 2021, 57, 435-449.	3.8	4
7	What Role Does the Barrier Layer Play During Extreme El Niño Events?. <i>Journal of Geophysical Research: Oceans</i> , 2021, 126, e2020JC017001.	2.6	5
8	Seasonal variation in the three-dimensional structures of coastal thermal front off western Guangdong. <i>Acta Oceanologica Sinica</i> , 2021, 40, 88-99.	1.0	1
9	How Much Heat and Salt Are Transported Into the South China Sea by Mesoscale Eddies?. <i>Earth's Future</i> , 2021, 9, e2020EF001857.	6.3	7
10	Interannual variability of South China Sea winter circulation: response to Luzon Strait transport and El Niño wind. <i>Climate Dynamics</i> , 2020, 54, 1145-1159.	3.8	27
11	Early and Extreme Warming in the South China Sea During 2015/2016: Role of an Unusual Indian Ocean Dipole Event. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL089936.	4.0	31
12	Abnormal Strong Upwelling off the Coast of Southeast Vietnam in the Late Summer of 2016: A Comparison with the Case in 1998. <i>Atmosphere</i> , 2020, 11, 940.	2.3	7
13	Can Tropical Pacific Winds Enhance the Footprint of the Interdecadal Pacific Oscillation on the Upper-Ocean Heat Content in the South China Sea?. <i>Journal of Climate</i> , 2020, 33, 4419-4437.	3.2	13
14	The Linkage of Kuroshio Intrusion and Mesoscale Eddy Variability in the Northern South China Sea: Subsurface Speed Maximum. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL087034.	4.0	23
15	Interannual variation of the South China Sea circulation during winter: intensified in the southern basin. <i>Climate Dynamics</i> , 2019, 52, 1917-1933.	3.8	30
16	Eddy-Induced Transport of Saline Kuroshio Water Into the Northern South China Sea. <i>Journal of Geophysical Research: Oceans</i> , 2019, 124, 6673-6687.	2.6	32
17	Forecast of summer precipitation in the Yangtze River Valley based on South China Sea springtime sea surface salinity. <i>Climate Dynamics</i> , 2019, 53, 5495-5509.	3.8	19
18	Contrasting changes in the sea surface temperature and upper ocean heat content in the South China Sea during recent decades. <i>Climate Dynamics</i> , 2019, 53, 1597-1612.	3.8	24

#	ARTICLE	IF	CITATIONS
19	Mixed Layer Heat Variations in the South China Sea Observed by Argo Float and Reanalysis Data during 2012–2015. <i>Sustainability</i> , 2019, 11, 5429.	3.2	8
20	On contributions by wind-induced mixing and eddy pumping to interannual chlorophyll variability during different ENSO phases in the northern South China Sea. <i>Limnology and Oceanography</i> , 2019, 64, 503-514.	3.1	17
21	Role of wind forcing and eddy activity in the intraseasonal variability of the barrier layer in the South China Sea. <i>Ocean Dynamics</i> , 2018, 68, 363-375.	2.2	4
22	Salinification in the South China Sea Since Late 2012: A Reversal of the Freshening Since the 1990s. <i>Geophysical Research Letters</i> , 2018, 45, 2744-2751.	4.0	37
23	Nonlinear Meridional Moisture Advection and the ENSO–Southern China Rainfall Teleconnection. <i>Geophysical Research Letters</i> , 2018, 45, 4353-4360.	4.0	18
24	Extreme subsurface warm events in the South China Sea during 1998/99 and 2006/07: observations and mechanisms. <i>Climate Dynamics</i> , 2018, 50, 115-128.	3.8	32
25	Ship observations and numerical simulation of the marine atmospheric boundary layer over the spring oceanic front in the northwestern South China Sea. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 3733-3753.	3.3	12
26	Comparison of summer chlorophyll a concentration in the South China Sea and the Arabian Sea using remote sensing data. <i>Acta Oceanologica Sinica</i> , 2017, 36, 61-67.	1.0	4
27	Biases of five latent heat flux products and their impacts on mixed-layer temperature estimates in the South China Sea. <i>Journal of Geophysical Research: Oceans</i> , 2017, 122, 5088-5104.	2.6	18
28	Seasonal variations in the barrier layer in the South China Sea: characteristics, mechanisms and impact of warming. <i>Climate Dynamics</i> , 2017, 48, 1911-1930.	3.8	26
29	Decadal variation and trends in subsurface salinity from 1960 to 2012 in the northern South China Sea. <i>Geophysical Research Letters</i> , 2016, 43, 12,181.	4.0	33
30	SCSPOD14, a South China Sea physical oceanographic dataset derived from in situ measurements during 1919–2014. <i>Scientific Data</i> , 2016, 3, 160029.	5.3	58
31	Contrasting dynamic characteristics of shear turbulence and Langmuir circulation in the surface mixed layer. <i>Acta Oceanologica Sinica</i> , 2015, 34, 1-11.	1.0	2
32	Preliminary analysis of the intraseasonal air–sea interaction influenced by Xisha warm eddy. <i>Aquatic Ecosystem Health and Management</i> , 2015, 18, 386-393.	0.6	1
33	Observation and numerical simulation of the marine meteorology elements and air-sea fluxes at Yongxing Island in September 2013. <i>Aquatic Ecosystem Health and Management</i> , 2015, 18, 394-402.	0.6	6
34	Mesoscale eddies cases study at Xisha waters in the South China Sea in 2009/2010. <i>Journal of Geophysical Research: Oceans</i> , 2015, 120, 517-532.	2.6	36
35	Modeling dissolved organic carbon and carbon export in the equatorial Pacific Ocean. <i>Geo-Marine Letters</i> , 2015, 35, 119-133.	1.1	1
36	Hydrographic field investigations in the Northern South China Sea by open cruises during 2004–2013. <i>Science Bulletin</i> , 2015, 60, 607-615.	9.0	18

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37	Toward a Mesoscale Hydrological and Marine Meteorological Observation Network in the South China Sea. <i>Bulletin of the American Meteorological Society</i> , 2015, 96, 1117-1135.	3.3	36
38	Seasonal variability in coastal fronts and its influence on sea surface wind in the Northern South China Sea. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2015, 119, 30-39.	1.4	31
39	Decadal variability of heat content in the South China Sea inferred from observation data and an ocean data assimilation product. <i>Ocean Science</i> , 2014, 10, 135-139.	3.4	18
40	Validation and application of MODIS-derived SST in the South China Sea. <i>International Journal of Remote Sensing</i> , 2014, 35, 4315-4328.	2.9	32
41	Freshening in the South China Sea during 2012 revealed by Aquarius and in situ data. <i>Journal of Geophysical Research: Oceans</i> , 2014, 119, 8296-8314.	2.6	56
42	Impacts of a wind stress and a buoyancy flux on the seasonal variation of mixing layer depth in the South China Sea. <i>Acta Oceanologica Sinica</i> , 2013, 32, 30-37.	1.0	4
43	Synoptic-scale disturbances over the northern South China Sea and their responses to El Niño. <i>Acta Oceanologica Sinica</i> , 2012, 31, 69-78.	1.0	6
44	The seasonal variability of an air-sea heat flux in the northern South China Sea. <i>Acta Oceanologica Sinica</i> , 2012, 31, 79-86.	1.0	8