

# Qinyu Liu

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

79  
papers

2,090  
citations

22  
h-index

44  
g-index

81  
ext. papers

2,386  
ext. citations

3  
avg, IF

4.86  
L-index

#	Paper	IF	Citations
79	Impact of the Indian Ocean SST basin mode on the Asian summer monsoon. <i>Geophysical Research Letters</i> , <b>2007</b> , 34,	4.9	515
78	A gap in the Indo-Pacific warm pool over the South China Sea in boreal winter: Seasonal development and interannual variability. <i>Journal of Geophysical Research</i> , <b>2004</b> , 109,		141
77	Indian Ocean Dipole Response to Global Warming: Analysis of Ocean-Atmospheric Feedbacks in a Coupled Model*. <i>Journal of Climate</i> , <b>2010</b> , 23, 1240-1253	4.4	109
76	Eddy Shedding from the Kuroshio Bend at Luzon Strait. <i>Journal of Oceanography</i> , <b>2004</b> , 60, 1063-1069	1.9	101
75	Indian Ocean Dipole Response to Global Warming in the CMIP5 Multimodel Ensemble*. <i>Journal of Climate</i> , <b>2013</b> , 26, 6067-6080	4.4	95
74	Recent progress in studies of the South China Sea circulation. <i>Journal of Oceanography</i> , <b>2008</b> , 64, 753-762	2.9	91
73	A general circulation model study of the dynamics of the upper ocean circulation of the South China Sea. <i>Journal of Geophysical Research</i> , <b>2002</b> , 107, 22-1		60
72	Observing mesoscale eddy effects on mode-water subduction and transport in the North Pacific. <i>Nature Communications</i> , <b>2016</b> , 7, 10505	17.4	53
71	Primary Study of the Mechanism of Eddy Shedding from the Kuroshio Bend in Luzon Strait. <i>Journal of Oceanography</i> , <b>2005</b> , 61, 1017-1027	1.9	51
70	Relative importance of tropical SST anomalies in forcing East Asian summer monsoon circulation. <i>Geophysical Research Letters</i> , <b>2013</b> , 40, 2471-2477	4.9	48
69	Dynamical Role of Mode Water Ventilation in Decadal Variability in the Central Subtropical Gyre of the North Pacific*. <i>Journal of Climate</i> , <b>2011</b> , 24, 1212-1225	4.4	46
68	Basin mode of Indian Ocean sea surface temperature and Northern Hemisphere circumglobal teleconnection. <i>Geophysical Research Letters</i> , <b>2009</b> , 36,	4.9	46
67	An observational study of the impact of the North Pacific SST on the atmosphere. <i>Geophysical Research Letters</i> , <b>2006</b> , 33, n/a-n/a	4.9	45
66	Seasonal and intraseasonal thermocline variability in the central south China Sea. <i>Geophysical Research Letters</i> , <b>2001</b> , 28, 4467-4470	4.9	45
65	Mesoscale eddy effects on the subduction of North Pacific mode waters. <i>Journal of Geophysical Research: Oceans</i> , <b>2014</b> , 119, 4867-4886	3.3	43
64	Impact of Heating Anomalies Associated with Rainfall Variations over the Indo-Western Pacific on Asian Atmospheric Circulation in Winter. <i>Climate Dynamics</i> , <b>2013</b> , 40, 2023-2033	4.2	42
63	Simulated response of North Pacific Mode Waters to global warming. <i>Geophysical Research Letters</i> , <b>2009</b> , 36,	4.9	41

62	Salient Differences in Tropical Cyclone Activity over the Western North Pacific between 1998 and 2016. <i>Journal of Climate</i> , <b>2017</b> , 30, 9979-9997	4.4	30
61	Eddy effects on sea surface temperature and sea surface wind in the continental slope region of the northern South China Sea. <i>Geophysical Research Letters</i> , <b>2012</b> , 39, n/a-n/a	4.9	28
60	Mode water ventilation and subtropical countercurrent over the North Pacific in CMIP5 simulations and future projections. <i>Journal of Geophysical Research</i> , <b>2012</b> , 117, n/a-n/a		28
59	Indian Ocean Dipole Modes Associated with Different Types of ENSO Development. <i>Journal of Climate</i> , <b>2017</b> , 30, 2233-2249	4.4	24
58	Sub-seasonal variability of Luzon Strait Transport in a high resolution global model. <i>Acta Oceanologica Sinica</i> , <b>2010</b> , 29, 9-17	1	24
57	Detecting cross-equatorial wind change as a fingerprint of climate response to anthropogenic aerosol forcing. <i>Geophysical Research Letters</i> , <b>2016</b> , 43, 3444-3450	4.9	22
56	Oceanic eddy-driven atmospheric secondary circulation in the winter Kuroshio Extension region. <i>Journal of Oceanography</i> , <b>2017</b> , 73, 295-307	1.9	21
55	Analysis on long-term change of sea surface temperature in the China Seas. <i>Journal of Ocean University of China</i> , <b>2013</b> , 12, 295-300	1	21
54	Recent progress in China in the study of ocean's role in climate variation. <i>Acta Oceanologica Sinica</i> , <b>2012</b> , 31, 1-8	1	21
53	Ocean thermal advective effect on the annual range of sea surface temperature. <i>Geophysical Research Letters</i> , <b>2005</b> , 32,	4.9	20
52	Development processes of the Tropical Pacific Meridional Mode. <i>Advances in Atmospheric Sciences</i> , <b>2010</b> , 27, 95-99	2.9	19
51	A subsurface pathway for low potential vorticity transport from the central North Pacific toward Taiwan Island. <i>Geophysical Research Letters</i> , <b>2007</b> , 34,	4.9	18
50	Evolution of the North Pacific Subtropical Mode Water in Anticyclonic Eddies. <i>Journal of Geophysical Research: Oceans</i> , <b>2017</b> , 122, 10118-10130	3.3	15
49	Global Influence of Tropical Pacific Variability with Implications for Global Warming Slowdown. <i>Journal of Climate</i> , <b>2017</b> , 30, 2679-2695	4.4	14
48	Assessing Atmospheric Response to Surface Forcing in the Observations. Part II: Cross Validation of Seasonal Response Using GEFA and LIM. <i>Journal of Climate</i> , <b>2012</b> , 25, 6817-6834	4.4	12
47	Observations of SST, heat flux and North Atlantic Ocean-atmosphere interaction. <i>Geophysical Research Letters</i> , <b>2005</b> , 32,	4.9	12
46	Sensitivity of Asian Summer Monsoon precipitation to tropical sea surface temperature anomalies. <i>Climate Dynamics</i> , <b>2016</b> , 47, 2501-2514	4.2	11
45	Effects of Kuroshio Intrusions on the atmosphere northeast of Taiwan Island. <i>Geophysical Research Letters</i> , <b>2015</b> , 42, 1465-1470	4.9	11

44	On the formation of Subtropical Countercurrent to the west of the Hawaiian Islands. <i>Journal of Geophysical Research</i> , <b>2003</b> , 108,		11
43	Some problems on the global wavelet spectrum. <i>Journal of Ocean University of China</i> , <b>2005</b> , 4, 398-402	1	11
42	Periodic Forcing and ENSO Suppression in the Cane-Zebiak Model. <i>Journal of Oceanography</i> , <b>2005</b> , 61, 109-113	1.9	10
41	Three types of Indian Ocean Basin modes. <i>Climate Dynamics</i> , <b>2018</b> , 51, 4357-4370	4.2	9
40	Increase of South Pacific eastern subtropical mode water under global warming. <i>Geophysical Research Letters</i> , <b>2011</b> , 38, n/a-n/a	4.9	9
39	The role of the Kuroshio in the winter North Pacific ocean-atmosphere interaction: Comparison of a coupled model and observations. <i>Advances in Atmospheric Sciences</i> , <b>2006</b> , 23, 181-189	2.9	9
38	Mesoscale eddies in the Mindanao Dome region. <i>Journal of Oceanography</i> , <b>2015</b> , 71, 133-140	1.9	8
37	Variability of subduction rates of the subtropical North Pacific mode waters. <i>Chinese Journal of Oceanology and Limnology</i> , <b>2011</b> , 29, 1131-1141		8
36	The Kuroshio transport east of taiwan and the Sea Surface Height Anomaly from the interior ocean. <i>Journal of Ocean University of China</i> , <b>2004</b> , 3, 135-140	1	8
35	Fast and slow responses of the North Pacific mode water and Subtropical Countercurrent to global warming. <i>Journal of Ocean University of China</i> , <b>2013</b> , 12, 216-221	1	6
34	Robust GEFA assessment of climate feedback to SST EOF modes. <i>Advances in Atmospheric Sciences</i> , <b>2011</b> , 28, 907-912	2.9	6
33	North Pacific Eastern Subtropical Mode Water simulation and future projection. <i>Acta Oceanologica Sinica</i> , <b>2015</b> , 34, 25-30	1	5
32	Response of mode water and Subtropical Countercurrent to greenhouse gas and aerosol forcing in the North Pacific. <i>Journal of Ocean University of China</i> , <b>2013</b> , 12, 222-229	1	5
31	Eddy-advective effects on the temperature and wind speed of the sea surface in the Northwest Pacific Subtropical Countercurrent area from satellite observations. <i>International Journal of Remote Sensing</i> , <b>2013</b> , 34, 600-612	3.1	5
30	Conceptual model about the interaction between El Niño/Southern Oscillation and Quasi-Biennial Oscillation in far west equatorial Pacific. <i>Science in China Series D: Earth Sciences</i> , <b>2006</b> , 49, 889-896		5
29	Role of horizontal density advection in seasonal deepening of the mixed layer in the subtropical Southeast Pacific. <i>Advances in Atmospheric Sciences</i> , <b>2016</b> , 33, 442-451	2.9	4
28	The role of barrier layer in southeastern Arabian Sea during the development of positive Indian Ocean Dipole events. <i>Journal of Ocean University of China</i> , <b>2013</b> , 12, 245-252	1	4
27	Formation mechanism for the anomalous anticyclonic circulation over Northeast Asia and the Japan Sea in boreal winter 1997/98 and the spring of 1998. <i>Journal of Ocean University of China</i> , <b>2013</b> , 12, 312-317	1	4

26	A Persistent and Intense Marine Heatwave in the Northeast Pacific During 2019-2020. <i>Geophysical Research Letters</i> , <b>2021</b> , 48, e2021GL093239	4.9	4
25	Two-sided impacts of warm pool SSTs on Australian precipitation changes. <i>International Journal of Climatology</i> , <b>2016</b> , 36, 4697-4704	3.5	3
24	Boreal winter rainfall anomaly over the tropical indo-pacific and its effect on northern hemisphere atmospheric circulation in CMIP5 models. <i>Advances in Atmospheric Sciences</i> , <b>2014</b> , 31, 916-925	2.9	3
23	Indian Ocean Dipole response to global warming: A multi-member study with CCSM4. <i>Journal of Ocean University of China</i> , <b>2013</b> , 12, 209-215	1	3
22	Relationships of interannual variability between the equatorial pacific and tropical Indian Ocean in 17 CMIP5 models. <i>Journal of Ocean University of China</i> , <b>2013</b> , 12, 237-244	1	3
21	A synoptic snapshot of the East Cape Eddy (ECE). <i>Journal of Ocean University of China</i> , <b>2005</b> , 4, 8-13	1	3
20	Observing subsurface changes of two anticyclonic eddies passing over the Izu-Ogasawara Ridge. <i>Geophysical Research Letters</i> , <b>2017</b> , 44, 1857	4.9	2
19	Contrasting the impacts of the 1997-1998 and 2015-2016 extreme El Niño events on the East Asian winter atmospheric circulation. <i>Theoretical and Applied Climatology</i> , <b>2019</b> , 136, 813-820	3	2
18	Changes in mixed layer depth and spring bloom in the Kuroshio extension under global warming. <i>Advances in Atmospheric Sciences</i> , <b>2016</b> , 33, 452-461	2.9	2
17	Relationship between North Pacific SST anomalies and the atmospheric circulation anomalies in January 2008. <i>Journal of Ocean University of China</i> , <b>2010</b> , 9, 11-15	1	2
16	The South Pacific Subtropical Mode Water in the Tasman Sea. <i>Journal of Ocean University of China</i> , <b>2007</b> , 6, 107-116	1	2
15	Influence of the convection over the South China Sea on the summer precipitation of Shandong Province. <i>Journal of Ocean University of China</i> , <b>2004</b> , 3, 23-32	1	2
14	Eddies in the northwest subtropical pacific and their possible effects on the South China Sea. <i>Journal of Ocean University of China</i> , <b>2005</b> , 4, 329-333	1	2
13	A heat budget study on the mechanism of SST variations in the Indian ocean dipole regions. <i>Journal of Ocean University of China</i> , <b>2005</b> , 4, 334-342	1	2
12	WESTERN PACIFIC AND MARGINAL SEA PROCESSES. <i>World Scientific Series on Asia-Pacific Weather and Climate</i> , <b>2016</b> , 151-186		2
11	Sea surface height oscillation with quasi-four-month period along the continental slope in the northern South China Sea. <i>Chinese Journal of Oceanology and Limnology</i> , <b>2012</b> , 30, 352-359		1
10	A review of ocean-atmosphere interaction studies in China. <i>Advances in Atmospheric Sciences</i> , <b>2006</b> , 23, 982-991	2.9	1
9	The Role of Background Wind and Moisture in the Atmospheric Response to Oceanic Eddies During Winter in the Kuroshio Extension Region. <i>Atmosphere</i> , <b>2019</b> , 10, 527	2.7	1

- 8 An aftereffect of global warming on tropical Pacific decadal variability. *Journal of Oceanology and Limnology*, **2018**, 36, 193-204 1.5 0
- 7 SST-Forced and Internal Variability of a Winter Wave Train over the Tropical Indo-Western Pacific and East Asia. *Atmosphere*, **2019**, 10, 129 2.7
- 6 Different responses of Sea Surface Temperature in the North Pacific to greenhouse gas and aerosol forcing. *Journal of Ocean University of China*, **2015**, 14, 951-956 1
- 5 Tropical pacific decadal variability in subsurface temperature. *Journal of Ocean University of China*, **2012**, 11, 451-454 1
- 4 Response of Asian summer monsoon to CO2 doubling. *Journal of Ocean University of China*, **2011**, 10, 210-218 1
- 3 The role of the halted baroclinic mode at the central equatorial Pacific in El Niño event. *Advances in Atmospheric Sciences*, **2006**, 23, 45-53 2.9
- 2 On disturbance evolution and nonlinear stability of the multilayer quasi-geostrophic basic flows. *Science in China Series D: Earth Sciences*, **1999**, 42, 160-171
- 1 Disturbance evolution and the nonlinear stability to the basic flows for two-dimensional quasi-geostrophic motion. *Science Bulletin*, **1999**, 44, 1179-1184