

Qinyu Liu

List of Publications by Year in descending order

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81
papers

2,631
citations

257357

24
h-index

197736

49
g-index

81
all docs

81
docs citations

81
times ranked

2134
citing authors

#	ARTICLE	IF	CITATIONS
1	Impact of the Indian Ocean SST basin mode on the Asian summer monsoon. <i>Geophysical Research Letters</i> , 2007, 34, .	1.5	628
2	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> , 2004, 109, .	3.3	168
3	Indian Ocean Dipole Response to Global Warming: Analysis of Ocean-Atmospheric Feedbacks in a Coupled Model*. <i>Journal of Climate</i> , 2010, 23, 1240-1253.	1.2	122
4	Indian Ocean Dipole Response to Global Warming in the CMIP5 Multimodel Ensemble*. <i>Journal of Climate</i> , 2013, 26, 6067-6080.	1.2	121
5	Recent progress in studies of the South China Sea circulation. <i>Journal of Oceanography</i> , 2008, 64, 753-762.	0.7	117
6	Eddy Shedding from the Kuroshio Bend at Luzon Strait. <i>Journal of Oceanography</i> , 2004, 60, 1063-1069.	0.7	113
7	Observing mesoscale eddy effects on mode-water subduction and transport in the North Pacific. <i>Nature Communications</i> , 2016, 7, 10505.	5.8	82
8	A general circulation model study of the dynamics of the upper ocean circulation of the South China Sea. <i>Journal of Geophysical Research</i> , 2002, 107, 22-1.	3.3	74
9	Relative importance of tropical SST anomalies in forcing East Asian summer monsoon circulation. <i>Geophysical Research Letters</i> , 2013, 40, 2471-2477.	1.5	63
10	Primary Study of the Mechanism of Eddy Shedding from the Kuroshio Bend in Luzon Strait. <i>Journal of Oceanography</i> , 2005, 61, 1017-1027.	0.7	60
11	Mesoscale eddy effects on the subduction of North Pacific mode waters. <i>Journal of Geophysical Research: Oceans</i> , 2014, 119, 4867-4886.	1.0	60
12	An observational study of the impact of the North Pacific SST on the atmosphere. <i>Geophysical Research Letters</i> , 2006, 33, n/a-n/a.	1.5	57
13	Dynamical Role of Mode Water Ventilation in Decadal Variability in the Central Subtropical Gyre of the North Pacific*. <i>Journal of Climate</i> , 2011, 24, 1212-1225.	1.2	57
14	Seasonal and intraseasonal thermocline variability in the central south China Sea. <i>Geophysical Research Letters</i> , 2001, 28, 4467-4470.	1.5	55
15	Basin mode of Indian Ocean sea surface temperature and Northern Hemisphere circumglobal teleconnection. <i>Geophysical Research Letters</i> , 2009, 36, .	1.5	55
16	Impact of Heating Anomalies Associated with Rainfall Variations over the Indo-Western Pacific on Asian Atmospheric Circulation in Winter. <i>Climate Dynamics</i> , 2013, 40, 2023-2033.	1.7	49
17	Simulated response of North Pacific Mode Waters to global warming. <i>Geophysical Research Letters</i> , 2009, 36, .	1.5	44
18	Indian Ocean Dipole Modes Associated with Different Types of ENSO Development. <i>Journal of Climate</i> , 2017, 30, 2233-2249.	1.2	43

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19	Salient Differences in Tropical Cyclone Activity over the Western North Pacific between 1998 and 2016. <i>Journal of Climate</i> , 2017, 30, 9979-9997.	1.2	43
20	Detecting cross-equatorial wind change as a fingerprint of climate response to anthropogenic aerosol forcing. <i>Geophysical Research Letters</i> , 2016, 43, 3444-3450.	1.5	34
21	A Persistent and Intense Marine Heatwave in the Northeast Pacific During 2019-2020. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL093239.	1.5	34
22	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> , 2012, 39, .	1.5	33
23	Mode water ventilation and subtropical countercurrent over the North Pacific in CMIP5 simulations and future projections. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	31
24	Oceanic eddy-driven atmospheric secondary circulation in the winter Kuroshio Extension region. <i>Journal of Oceanography</i> , 2017, 73, 295-307.	0.7	27
25	Sub-seasonal variability of Luzon Strait Transport in a high resolution global model. <i>Acta Oceanologica Sinica</i> , 2010, 29, 9-17.	0.4	26
26	Analysis on long-term change of sea surface temperature in the China Seas. <i>Journal of Ocean University of China</i> , 2013, 12, 295-300.	0.6	26
27	Development processes of the Tropical Pacific Meridional Mode. <i>Advances in Atmospheric Sciences</i> , 2010, 27, 95-99.	1.9	25
28	Evolution of the North Pacific Subtropical Mode Water in Anticyclonic Eddies. <i>Journal of Geophysical Research: Oceans</i> , 2017, 122, 10118-10130.	1.0	25
29	Recent progress in China in the study of ocean's role in climate variation. <i>Acta Oceanologica Sinica</i> , 2012, 31, 1-8.	0.4	24
30	Ocean thermal advective effect on the annual range of sea surface temperature. <i>Geophysical Research Letters</i> , 2005, 32, .	1.5	23
31	A subsurface pathway for low potential vorticity transport from the central North Pacific toward Taiwan Island. <i>Geophysical Research Letters</i> , 2007, 34, .	1.5	23
32	Three types of Indian Ocean Basin modes. <i>Climate Dynamics</i> , 2018, 51, 4357-4370.	1.7	23
33	Global Influence of Tropical Pacific Variability with Implications for Global Warming Slowdown. <i>Journal of Climate</i> , 2017, 30, 2679-2695.	1.2	17
34	Some problems on the global wavelet spectrum. <i>Journal of Ocean University of China</i> , 2005, 4, 398-402.	0.6	14
35	Observations of SST, heat flux and North Atlantic Ocean-atmosphere interaction. <i>Geophysical Research Letters</i> , 2005, 32, .	1.5	13
36	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> , 2012, 25, 6817-6834.	1.2	13

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37	Effects of Kuroshio Intrusions on the atmosphere northeast of Taiwan Island. <i>Geophysical Research Letters</i> , 2015, 42, 1465-1470.	1.5	13
38	Sensitivity of Asian Summer Monsoon precipitation to tropical sea surface temperature anomalies. <i>Climate Dynamics</i> , 2016, 47, 2501-2514.	1.7	13
39	On the formation of Subtropical Countercurrent to the west of the Hawaiian Islands. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	12
40	Mesoscale eddies in the Mindanao Dome region. <i>Journal of Oceanography</i> , 2015, 71, 133-140.	0.7	12
41	The Kuroshio transport east of taiwan and the Sea Surface Height Anomaly from the interior ocean. <i>Journal of Ocean University of China</i> , 2004, 3, 135-140.	0.6	11
42	Periodic Forcing and ENSO Suppression in the Cane-Zebiak Model. <i>Journal of Oceanography</i> , 2005, 61, 109-113.	0.7	11
43	Increase of South Pacific eastern subtropical mode water under global warming. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	1.5	10
44	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> , 2006, 23, 181-189.	1.9	9
45	Variability of subduction rates of the subtropical North Pacific mode waters. <i>Chinese Journal of Oceanology and Limnology</i> , 2011, 29, 1131-1141.	0.7	8
46	Robust GEFA assessment of climate feedback to SST EOF modes. <i>Advances in Atmospheric Sciences</i> , 2011, 28, 907-912.	1.9	8
47	Fast and slow responses of the North Pacific mode water and Subtropical Countercurrent to global warming. <i>Journal of Ocean University of China</i> , 2013, 12, 216-221.	0.6	8
48	Observing subsurface changes of two anticyclonic eddies passing over the Izu-Ogasawara Ridge. <i>Geophysical Research Letters</i> , 2017, 44, 1857-1865.	1.5	8
49	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> , 2013, 12, 222-229.	0.6	6
50	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> , 2019, 136, 813-820.	1.3	6
51	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> , 2006, 49, 889-896.	0.9	5
52	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> , 2013, 34, 600-612.	1.3	5
53	North Pacific Eastern Subtropical Mode Water simulation and future projection. <i>Acta Oceanologica Sinica</i> , 2015, 34, 25-30.	0.4	5
54	Two-sided impacts of warm pool SSTs on Australian precipitation changes. <i>International Journal of Climatology</i> , 2016, 36, 4697-4704.	1.5	5

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55	Role of horizontal density advection in seasonal deepening of the mixed layer in the subtropical Southeast Pacific. <i>Advances in Atmospheric Sciences</i> , 2016, 33, 442-451.	1.9	5
56	Changes in mixed layer depth and spring bloom in the Kuroshio extension under global warming. <i>Advances in Atmospheric Sciences</i> , 2016, 33, 452-461.	1.9	5
57	A synoptic snapshot of the East Cape Eddy (ECE). <i>Journal of Ocean University of China</i> , 2005, 4, 8-13.	0.6	4
58	Indian Ocean Dipole response to global warming: A multi-member study with CCSM4. <i>Journal of Ocean University of China</i> , 2013, 12, 209-215.	0.6	4
59	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> , 2013, 12, 245-252.	0.6	4
60	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> , 2013, 12, 312-317.	0.6	4
61	The Role of Background Wind and Moisture in the Atmospheric Response to Oceanic Eddies During Winter in the Kuroshio Extension Region. <i>Atmosphere</i> , 2019, 10, 527.	1.0	4
62	The South Pacific Subtropical Mode Water in the Tasman Sea. <i>Journal of Ocean University of China</i> , 2007, 6, 107-116.	0.6	3
63	Relationships of interannual variability between the equatorial pacific and tropical Indian Ocean in 17 CMIP5 models. <i>Journal of Ocean University of China</i> , 2013, 12, 237-244.	0.6	3
64	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> , 2014, 31, 916-925.	1.9	3
65	Influence of the convection over the South China Sea on the summer precipitation of Shandong Province. <i>Journal of Ocean University of China</i> , 2004, 3, 23-32.	0.6	2
66	Eddies in the northwest subtropical pacific and their possible effects on the South China Sea. <i>Journal of Ocean University of China</i> , 2005, 4, 329-333.	0.6	2
67	A heat budget study on the mechanism of SST variations in the Indian ocean dipole regions. <i>Journal of Ocean University of China</i> , 2005, 4, 334-342.	0.6	2
68	Relationship between North Pacific SST anomalies and the atmospheric circulation anomalies in January 2008. <i>Journal of Ocean University of China</i> , 2010, 9, 11-15.	0.6	2
69	WESTERN PACIFIC AND MARGINAL SEA PROCESSES. <i>World Scientific Series on Asia-Pacific Weather and Climate</i> , 2016, , 151-186.	0.2	2
70	Disturbance evolution and the nonlinear stability to the basic flows for two-dimensional quasi-geostrophic motion. <i>Science Bulletin</i> , 1999, 44, 1179-1184.	1.7	1
71	A review of ocean-atmosphere interaction studies in China. <i>Advances in Atmospheric Sciences</i> , 2006, 23, 982-991.	1.9	1
72	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> , 2012, 30, 352-359.	0.7	1

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73	An aftereffect of global warming on tropical Pacific decadal variability. Journal of Oceanology and Limnology, 2018, 36, 193-204.	0.6	1
74	SST-Forced and Internal Variability of a Winter Wave Train over the Tropical Indo-Western Pacific and East Asia. Atmosphere, 2019, 10, 129.	1.0	1
75	On disturbance evolution and nonlinear stability of the multilayer quasi-geostrophic basic flows. Science in China Series D: Earth Sciences, 1999, 42, 160-171.	0.9	0
76	Long-range effects of the Hawaiian Islands on the Pacific Ocean-atmosphere system. , 0, , .		0
77	Sea surface wind and cold tongue over the winter South China Sea. , 0, , .		0
78	The role of the halted baroclinic mode at the central equatorial Pacific in El Niño event. Advances in Atmospheric Sciences, 2006, 23, 45-53.	1.9	0
79	Response of Asian summer monsoon to CO2 doubling. Journal of Ocean University of China, 2011, 10, 210-218.	0.6	0
80	Tropical Pacific decadal variability in subsurface temperature. Journal of Ocean University of China, 2012, 11, 451-454.	0.6	0
81	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.	0.6	0