

# Lei Zhou

## List of Publications by Year in descending order

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Version: 2024-02-01

66  
papers

1,439  
citations

394421

19  
h-index

345221

36  
g-index

68  
all docs

68  
docs citations

68  
times ranked

1499  
citing authors

#	ARTICLE	IF	CITATIONS
1	Strong influence of westerly wind bursts on El Niño diversity. <i>Nature Geoscience</i> , 2015, 8, 339-345.	12.9	277
2	Response to Waste Electrical and Electronic Equipments in China: Legislation, recycling system, and advanced integrated process. <i>Environmental Science &amp; Technology</i> , 2012, 46, 4713-4724.	10.0	150
3	Upper ocean response to typhoon Kalmaegi (2014). <i>Journal of Geophysical Research: Oceans</i> , 2016, 121, 6520-6535.	2.6	138
4	Regional Simulation of the October and November MJO Events Observed during the CINDY/DYNAMO Field Campaign at Gray Zone Resolution. <i>Journal of Climate</i> , 2015, 28, 2097-2119.	3.2	87
5	Impact of Northward-Propagating Intraseasonal Variability on the Onset of Indian Summer Monsoon. <i>Journal of Climate</i> , 2014, 27, 126-139.	3.2	52
6	Improved Madden-Julian Oscillations with Improved Physics: The Impact of Modified Convection Parameterizations. <i>Journal of Climate</i> , 2012, 25, 1116-1136.	3.2	46
7	Dynamics of the Intraseasonal Oscillations in the Indian Ocean South Equatorial Current. <i>Journal of Physical Oceanography</i> , 2008, 38, 121-132.	1.7	39
8	Seasonal Influence of Indonesian Throughflow in the Southwestern Indian Ocean. <i>Journal of Physical Oceanography</i> , 2008, 38, 1529-1541.	1.7	38
9	Influences of Madden-Julian Oscillations on the eastern Indian Ocean and the maritime continent. <i>Dynamics of Atmospheres and Oceans</i> , 2010, 50, 257-274.	1.8	34
10	Impacts of Intraseasonal SST Anomalies on Precipitation during Indian Summer Monsoon. <i>Journal of Climate</i> , 2015, 28, 4561-4575.	3.2	34
11	Observations of turbulence on the shelf and slope of northern South China Sea. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2014, 87, 43-52.	1.4	33
12	Relationship between SST anomalies and the intensity of intraseasonal variability. <i>Theoretical and Applied Climatology</i> , 2016, 124, 847-854.	2.8	31
13	Latitudinal Distribution of Mixing Rate Caused by the M2 Internal Tide. <i>Journal of Physical Oceanography</i> , 2006, 36, 35-42.	1.7	30
14	Linkage Between Westerly Wind Bursts and Tropical Cyclones. <i>Geophysical Research Letters</i> , 2018, 45, 11,431.	4.0	26
15	A Central Indian Ocean Mode and Heavy Precipitation during the Indian Summer Monsoon. <i>Journal of Climate</i> , 2017, 30, 2055-2067.	3.2	25
16	Kinetic Energy Budget for the Madden-Julian Oscillation in a Multiscale Framework. <i>Journal of Climate</i> , 2012, 25, 5386-5403.	3.2	24
17	Estimates of M2 internal tide energy fluxes along the margin of Northwestern Pacific using TOPEX/POSEIDON altimeter data. <i>Geophysical Research Letters</i> , 2003, 30, n/a-n/a.	4.0	23
18	Oceanic Impacts on MJOs Detouring near the Maritime Continent. <i>Journal of Climate</i> , 2020, 33, 2371-2388.	3.2	21

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19	A genesis potential index for <sc>W</sc>estern <sc>N</sc>orth <sc>P</sc>acific tropical cyclones by using oceanic parameters. <i>Journal of Geophysical Research: Oceans</i> , 2016, 121, 7176-7191.	2.6	20
20	Assessment of the simulation of Indian Ocean Dipole in the CESM—Impacts of atmospheric physics and model resolution. <i>Journal of Advances in Modeling Earth Systems</i> , 2016, 8, 1932-1952.	3.8	19
21	Westerly wind bursts simulated in CAM4 and CCSM4. <i>Climate Dynamics</i> , 2018, 50, 1353-1371.	3.8	19
22	Seasonal and Interannual Variabilities of the Central Indian Ocean Mode. <i>Journal of Climate</i> , 2017, 30, 6505-6520.	3.2	16
23	Assessment of Madden-Julian oscillation simulations with various configurations of CESM. <i>Climate Dynamics</i> , 2016, 47, 2667-2690.	3.8	15
24	Modulation of Tropical Cyclone Genesis in the Bay of Bengal by the Central Indian Ocean Mode. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2020JD032641.	3.3	15
25	The Role of Vorticity Tilting in Northward-Propagating Monsoon Intraseasonal Oscillation. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL093304.	4.0	15
26	Hydrological cycle changes under global warming and their effects on multiscale climate variability. <i>Annals of the New York Academy of Sciences</i> , 2020, 1472, 21-48.	3.8	13
27	Assessment of intraseasonal variabilities in China Ocean Reanalysis (CORA). <i>Acta Oceanologica Sinica</i> , 2016, 35, 90-101.	1.0	12
28	Fish assemblage in the Pearl River Estuary: Spatial-seasonal variation, environmental influence and trends over the past three decades. <i>Journal of Applied Ichthyology</i> , 2019, 35, 884.	0.7	12
29	A Potential Link Between the Southern Ocean Warming and the South Indian Ocean Heat Balance. <i>Journal of Geophysical Research: Oceans</i> , 2020, 125, e2020JC016132.	2.6	12
30	The cruise observation of turbulent mixing in the upwelling region east of Hainan Island in the summer of 2012. <i>Acta Oceanologica Sinica</i> , 2018, 37, 1-12.	1.0	11
31	Progress and perspective on interactions between ocean and typhoon. <i>Chinese Science Bulletin</i> , 2019, 64, 60-72.	0.7	11
32	The Roles of Kuroshio Intrusion and Mesoscale Eddy in Upper Mixing in the Northern South China Sea. <i>Journal of Coastal Research</i> , 2013, 30, 192.	0.3	10
33	Simulation of Central Indian Ocean Mode in S2S Models. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2020JD033550.	3.3	10
34	Ocean-Atmosphere Coupling on Different Spatiotemporal Scales: A Mechanism for Intraseasonal Instabilities. <i>Journals of the Atmospheric Sciences</i> , 2009, 66, 1834-1844.	1.7	9
35	Spreading of the South Pacific Tropical Water and Antarctic Intermediate Water Over the Maritime Continent. <i>Journal of Geophysical Research: Oceans</i> , 2018, 123, 4423-4446.	2.6	8
36	Influence of Convective Momentum Transport on Mixed Rossby-Gravity Waves: A Contribution to Tropical 2-Day Waves. <i>Journals of the Atmospheric Sciences</i> , 2013, 70, 2467-2475.	1.7	7

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37	Eddy-induced Heat Transport in the South China Sea. <i>Journal of Physical Oceanography</i> , 2021, , .	1.7	7
38	Tropical oceanic intraseasonal variabilities associated with central Indian Ocean mode. <i>Climate Dynamics</i> , 0, , 1.	3.8	7
39	Characteristics of Low-Frequency Horizontal Noise of Ocean-Bottom Seismic Data. <i>Seismological Research Letters</i> , 0, , .	1.9	7
40	Introduction to Special Section on Oceanic Responses and Feedbacks to Tropical Cyclones. <i>Journal of Geophysical Research: Oceans</i> , 2018, 123, 742-745.	2.6	5
41	Simulation of the Central Indian Ocean Mode in CESM: Implications for the Indian Summer Monsoon System. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 58-72.	3.3	5
42	Seasonal Variation of Barrier Layer in the Southern Ocean. <i>Journal of Geophysical Research: Oceans</i> , 2018, 123, 2238-2253.	2.6	5
43	Seasonal and interannual variability of water mass sources of Indonesian throughflow in the Maluku Sea and the Halmahera Sea. <i>Acta Oceanologica Sinica</i> , 2019, 38, 58-71.	1.0	5
44	Key process diagnostics for monsoon intraseasonal oscillation over the Indian Ocean in coupled CMIP6 models. <i>Climate Dynamics</i> , 0, , 1.	3.8	5
45	Maintenance of Cyclonic Vortex During Monsoon Intraseasonal Oscillation: A View From Kinetic Energy Budget. <i>Geophysical Research Letters</i> , 2022, 49, .	4.0	5
46	Energy distributions of the large-scale horizontal currents caused by wind in the baroclinic ocean. <i>Science in China Series D: Earth Sciences</i> , 2005, 48, 2267-2275.	0.9	4
47	Influence of South Pacific quadrupole on austral winter precipitation over the SPCZ. <i>Environmental Research Letters</i> , 2018, 13, 094024.	5.2	4
48	Interdecadal changes in potential predictability of the summer monsoon in East Asia and South Asia. <i>Atmospheric Science Letters</i> , 2019, 20, e890.	1.9	4
49	Statistical characteristics of mesoscale eddies on the continental slope in the northern South China Sea. <i>Acta Oceanologica Sinica</i> , 2020, 39, 36-44.	1.0	4
50	Optimal error analysis of MJO prediction associated with uncertainties in sea surface temperature over Indian Ocean. <i>Climate Dynamics</i> , 2020, 54, 4331-4350.	3.8	4
51	Seasonal variability of mesoscale eddies in the Banda Sea inferred from altimeter data. <i>Acta Oceanologica Sinica</i> , 2020, 39, 11-20.	1.0	4
52	Barotropic energy conversion during Indian summer monsoon: implication of Central Indian Ocean Mode Simulation in CMIP6. <i>Climate Dynamics</i> , 2022, 58, 3187-3206.	3.8	4
53	Predictability Limit of Monsoon Intraseasonal Precipitation: An Implication of Central Indian Ocean Mode. <i>Frontiers in Marine Science</i> , 2022, 8, .	2.5	4
54	Internal Subseasonal Variability in the South China Sea Revealed by Eddy-Resolving Numerical Simulations. <i>Journal of Geophysical Research: Oceans</i> , 2020, 125, e2019JC015390.	2.6	2

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55	Impacts of Detoured Madden-Julian Oscillations on the South Pacific Convergence Zone. <i>Journal of Climate</i> , 2021, , 1-41.	3.2	2
56	Experimental investigation on a small-scale ORC system with a pump driven by internal multi-potential. <i>Science China Technological Sciences</i> , 2021, 64, 1599-1610.	4.0	2
57	Forecasting the western Pacific subtropical high index during typhoon activity using a hybrid deep learning model. <i>Acta Oceanologica Sinica</i> , 2022, 41, 101-108.	1.0	2
58	Seasonal and Interannual Variability of EAPE in the South China Sea Derived from ECCO2 Data from 1997 to 2019. <i>Water (Switzerland)</i> , 2021, 13, 926.	2.7	1
59	Potential Spicity: From Abstract Theory to Practical Application. <i>Eos</i> , 2018, 99, .	0.1	1
60	Thank You to Our 2019 Reviewers. <i>Journal of Geophysical Research: Oceans</i> , 2020, 125, e2020JC016312.	2.6	0
61	Thank You to Our 2020 Reviewers. <i>Journal of Geophysical Research: Oceans</i> , 2021, 126, e2021JC017288.	2.6	0
62	Hurricanes and the Sea: It Takes Two to Tango. <i>Eos</i> , 2018, 99, .	0.1	0
63	Climatological and Seasonal Variations of the Tropical Cyclone Genesis Potential Index Based on Oceanic Parameters in the Global Ocean. <i>Journal of Ocean University of China</i> , 2021, 20, 1307-1315.	1.2	0
64	Prediction of the Central Indian Ocean Mode in S2S Models. <i>Frontiers in Marine Science</i> , 2022, 9, .	2.5	0
65	Thank You to Our 2021 Reviewers. <i>Journal of Geophysical Research: Oceans</i> , 2022, 127, .	2.6	0
66	Intraseasonal Air–Sea Interaction Over the Southeastern Indian Ocean and its Impact on Indian Summer Monsoon. <i>Frontiers in Marine Science</i> , 0, 9, .	2.5	0