

Weidong Yu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8379574/publications.pdf>

Version: 2024-02-01

75
papers

2,426
citations

331670

21
h-index

214800

47
g-index

75
all docs

75
docs citations

75
times ranked

2801
citing authors

#	ARTICLE	IF	CITATIONS
1	Modulation of observed sea surface temperature variation by the quasi-biweekly oscillation in the tropical western Pacific during boreal summer. <i>International Journal of Climatology</i> , 2022, 42, 3173-3189.	3.5	2
2	Seasonal variation in diel vertical migration of zooplankton and micronekton in the Andaman Sea observed by a moored ADCP. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2022, 179, 103663.	1.4	4
3	Late monsoon threatens coral refugia in the Andaman Sea. <i>Environmental Research Letters</i> , 2022, 17, 034038.	5.2	4
4	Oceanic internal wave amplitude retrieval from satellite images based on a data-driven transfer learning model. <i>Remote Sensing of Environment</i> , 2022, 272, 112940.	11.0	28
5	Maintenance of the Basin-dependent Quasi-biweekly Mode in the Indian Ocean during Summer. <i>Journal of Climate</i> , 2022, , 1-37.	3.2	0
6	A Machine-learning-based Model to Inverse Internal Solitary Wave Amplitude from Satellite Image. , 2022, , .		0
7	The unique mean seasonal cycle in the Indian Ocean anchors its various air-sea coupled modes across the basin. <i>Scientific Reports</i> , 2021, 11, 5632.	3.3	2
8	Energetics-Based Estimation of the Diapycnal Mixing Induced by Internal Tides in the Andaman Sea. <i>Journal of Geophysical Research: Oceans</i> , 2021, 126, e2020JC016521.	2.6	10
9	Equatorial Moisture Dynamics of the Quasi-Biweekly Oscillation in the Tropical Northwestern Pacific During Boreal Summer. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL090929.	4.0	4
10	Influence of South Tropical Indian Ocean dynamics on the Indian summer monsoon. , 2021, , 183-196.		2
11	Diurnal Sea surface temperature response to tropical cyclone Dahlia in the Eastern tropical Indian Ocean in 2017 revealed by the Bailong buoy. <i>Dynamics of Atmospheres and Oceans</i> , 2020, 92, 101163.	1.8	4
12	Intraseasonal modulation of Wyrki jet in the eastern Indian Ocean by equatorial waves during spring 2013. <i>Acta Oceanologica Sinica</i> , 2020, 39, 11-18.	1.0	2
13	Spring Barrier to the MJO Eastward Propagation. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL087788.	4.0	9
14	Tracking Air-Sea Exchange and Upper-Ocean Variability in the Indonesian-Australian Basin during the Onset of the 2018/19 Australian Summer Monsoon. <i>Bulletin of the American Meteorological Society</i> , 2020, 101, E1397-E1412.	3.3	8
15	Structures and Northward Propagation of the Quasi-Biweekly Oscillation in the Western North Pacific. <i>Journal of Climate</i> , 2020, 33, 6873-6888.	3.2	6
16	Environmental conditions regulating the formation of super tropical cyclone during pre-monsoon transition period over Bay of Bengal. <i>Climate Dynamics</i> , 2019, 52, 3857-3867.	3.8	4
17	Evolving the Physical Global Ocean Observing System for Research and Application Services Through International Coordination. <i>Frontiers in Marine Science</i> , 2019, 6, .	2.5	11
18	Chlorophyll variability induced by mesoscale eddies in the southeastern tropical Indian Ocean. <i>Journal of Marine Systems</i> , 2019, 199, 103209.	2.1	13

#	ARTICLE	IF	CITATIONS
19	A Sustained Ocean Observing System in the Indian Ocean for Climate Related Scientific Knowledge and Societal Needs. <i>Frontiers in Marine Science</i> , 2019, 6, .	2.5	49
20	Impacts of Different Types of ENSO Events on Thermocline Variability in the Southern Tropical Indian Ocean. <i>Geophysical Research Letters</i> , 2019, 46, 6775-6785.	4.0	13
21	Environmental Conditions Modulating Tropical Cyclone Formation over the Bay of Bengal during the Pre-Monsoon Transition Period. <i>Journal of Climate</i> , 2019, 32, 4387-4394.	3.2	7
22	Revealing the Subsurface Yellow Sea Cold Water Mass from Satellite Data Associated with Typhoon Muifa. <i>Journal of Geophysical Research: Oceans</i> , 2019, 124, 7135-7152.	2.6	18
23	The Onset of the Indonesian“Australian Summer Monsoon Triggered by the First-Branch Eastward-Propagating Madden“Julian Oscillation. <i>Journal of Climate</i> , 2019, 32, 5453-5470.	3.2	17
24	Ocean Climate Monitoring. <i>Frontiers in Marine Science</i> , 2019, 6, .	2.5	8
25	Seasonal and Spatial Variations of the M ₂ Internal Tide in the Yellow Sea. <i>Journal of Geophysical Research: Oceans</i> , 2019, 124, 1115-1138.	2.6	27
26	Previously unidentified Indonesian Throughflow pathways and freshening in the Indian Ocean during recent decades. <i>Scientific Reports</i> , 2019, 9, 7364.	3.3	24
27	Evolution of Sea Surface Salinity Anomalies in the Southwestern Tropical Indian Ocean During 2010“2011 Influenced by a Negative IOD Event. <i>Journal of Geophysical Research: Oceans</i> , 2019, 124, 3428-3445.	2.6	15
28	Interannual Variability of Eddy Kinetic Energy in the Subtropical Southeast Indian Ocean Associated With the El Ni“o Southern Oscillation. <i>Journal of Geophysical Research: Oceans</i> , 2018, 123, 1048-1061.	2.6	20
29	Observed Seasonal Variations of the Upper Ocean Structure and Air“Sea Interactions in the Andaman Sea. <i>Journal of Geophysical Research: Oceans</i> , 2018, 123, 922-938.	2.6	15
30	Recent wind-driven change in Subantarctic Mode Water and its impact on ocean heat storage. <i>Nature Climate Change</i> , 2018, 8, 58-63.	18.8	76
31	The observed tidal and residual currents in the Andaman Sea during the second half of 2016. <i>Acta Oceanologica Sinica</i> , 2018, 37, 13-21.	1.0	6
32	Impacts of ENSO on the Bay of Bengal Summer Monsoon Onset via Modulating the Intraseasonal Oscillation. <i>Geophysical Research Letters</i> , 2018, 45, 5220-5228.	4.0	19
33	The Northward-Propagating Intraseasonal Oscillations in the Northern Indian Ocean during Spring“Early Summer. <i>Journal of Climate</i> , 2018, 31, 7003-7017.	3.2	3
34	Contrasting Impacts of Radiative Forcing in the Southern Ocean versus Southern Tropics on ITCZ Position and Energy Transport in One GFDL Climate Model. <i>Journal of Climate</i> , 2018, 31, 5609-5628.	3.2	40
35	Climatic modulation of surface acidification rates through summertime wind forcing in the Southern Ocean. <i>Nature Communications</i> , 2018, 9, 3240.	12.8	17
36	Why Was the Indian Ocean Dipole Weak in the Context of the Extreme El Ni“o in 2015?. <i>Journal of Climate</i> , 2017, 30, 4755-4761.	3.2	32

#	ARTICLE	IF	CITATIONS
37	Eddy properties in the Pacific sector of the Southern Ocean from satellite altimetry data. <i>Acta Oceanologica Sinica</i> , 2016, 35, 28-34.	1.0	2
38	The mean properties and variations of the Southern Hemisphere subpolar gyres estimated by Simple Ocean Data Assimilation (SODA) products. <i>Acta Oceanologica Sinica</i> , 2016, 35, 8-13.	1.0	9
39	Brain discriminative cognition on the perception of touching different fabric using fingers actively. <i>Skin Research and Technology</i> , 2016, 22, 63-68.	1.6	7
40	What controls the interannual variation of tropical cyclone genesis frequency over Bay of Bengal in the post-monsoon peak season?. <i>Atmospheric Science Letters</i> , 2016, 17, 148-154.	1.9	23
41	Anomalous behaviors of Wyrтки Jets in the equatorial Indian Ocean during 2013. <i>Scientific Reports</i> , 2016, 6, 29688.	3.3	28
42	Assessment of the seasonal variation of simulated Wyrтки jet over the tropical Indian Ocean in CMIP5 models. <i>Arabian Journal of Geosciences</i> , 2016, 9, 1.	1.3	4
43	Possible role of pre-monsoon sea surface warming in driving the summer monsoon onset over the Bay of Bengal. <i>Climate Dynamics</i> , 2016, 47, 753-763.	3.8	12
44	Strong modulations on the Bay of Bengal monsoon onset vortex by the first northward-propagating intra-seasonal oscillation. <i>Climate Dynamics</i> , 2016, 47, 107-115.	3.8	23
45	Aragonite saturation state in a monsoonal upwelling system off Java, Indonesia. <i>Journal of Marine Systems</i> , 2016, 153, 10-17.	2.1	19
46	Characteristics, vertical structures, and heat/salt transports of mesoscale eddies in the southeastern tropical Indian Ocean. <i>Journal of Geophysical Research: Oceans</i> , 2015, 120, 6733-6750.	2.6	60
47	What Controls Seasonal Variations of the Diurnal Cycle of Sea Surface Temperature in the Eastern Tropical Indian Ocean?. <i>Journal of Climate</i> , 2015, 28, 8466-8485.	3.2	14
48	Response of sea surface fugacity of CO ₂ to the SAM shift south of Tasmania: Regional differences. <i>Geophysical Research Letters</i> , 2015, 42, 3973-3979.	4.0	20
49	Investigation of the cortical activation by touching fabric actively using fingers. <i>Skin Research and Technology</i> , 2015, 21, 444-448.	1.6	6
50	Gene-gene interaction of CFH, ARMS2, and ARMS2/HTRA1 on the risk of neovascular age-related macular degeneration and polypoidal choroidal vasculopathy in Chinese population. <i>Eye</i> , 2015, 29, 691-698.	2.1	10
51	Arsenic and fluorine in groundwater in western Jilin Province, China: occurrence and health risk assessment. <i>Natural Hazards</i> , 2015, 77, 1903-1914.	3.4	22
52	Modulation of interannual variability of tropical cyclone activity over Southeast Indian Ocean by negative IOD phase. <i>Dynamics of Atmospheres and Oceans</i> , 2015, 72, 62-69.	1.8	7
53	SU-744: The Study of Total Marrow Irradiation Based On Rotational Intensity-Modulated Techniques. <i>Medical Physics</i> , 2015, 42, 3508-3508.	3.0	0
54	Temporal changes in surface partial pressure of carbon dioxide and carbonate saturation state in the eastern equatorial Indian Ocean during the 1962-2012 period. <i>Biogeosciences</i> , 2014, 11, 6293-6305.	3.3	15

#	ARTICLE	IF	CITATIONS
55	Differential impacts of conventional El Niño versus El Niño Modoki on Malaysian rainfall anomaly during winter monsoon. <i>International Journal of Climatology</i> , 2014, 34, 2763-2774.	3.5	40
56	Cause of severe droughts in Southwest China during 1951–2010. <i>Climate Dynamics</i> , 2014, 43, 2033-2042.	3.8	95
57	Rainfall asymmetry in the southeast Indian Ocean between positive and negative IODs and its local impact. <i>Atmospheric Science Letters</i> , 2014, 15, 127-133.	1.9	1
58	Structures and mechanisms of the first-branch northward-propagating intraseasonal oscillation over the tropical Indian Ocean. <i>Climate Dynamics</i> , 2013, 40, 1707-1720.	3.8	58
59	The distribution and variability of simulated chlorophyll concentration over the tropical Indian Ocean from five CMIP5 models. <i>Journal of Ocean University of China</i> , 2013, 12, 253-259.	1.2	9
60	How can anomalous western North Pacific Subtropical High intensify in late summer?. <i>Geophysical Research Letters</i> , 2013, 40, 2349-2354.	4.0	156
61	Projected response of the Indian Ocean Dipole to greenhouse warming. <i>Nature Geoscience</i> , 2013, 6, 999-1007.	12.9	201
62	Bimodal Character of Cyclone Climatology in the Bay of Bengal Modulated by Monsoon Seasonal Cycle*. <i>Journal of Climate</i> , 2013, 26, 1033-1046.	3.2	154
63	Ocean Climate: “Off the Shelf”. <i>Marine Technology Society Journal</i> , 2013, 47, 7-18.	0.4	4
64	Upper ocean variability in the Bay of Bengal during the tropical cyclones Nargis and Laila. <i>Progress in Oceanography</i> , 2012, 106, 49-61.	3.2	49
65	The critical role of the boreal summer mean state in the development of the IOD. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	4.0	31
66	“Bai-Long”: A TAO-hybrid on RAMA. , 2011, , .		3
67	Dynamic and Thermodynamic Air–Sea Coupling Associated with the Indian Ocean Dipole Diagnosed from 23 WCRP CMIP3 Models*. <i>Journal of Climate</i> , 2011, 24, 4941-4958.	3.2	64
68	Global warming shifts Pacific tropical cyclone location. <i>Geophysical Research Letters</i> , 2010, 37, .	4.0	77
69	RAMA: The Research Moored Array for African–Asian–Australian Monsoon Analysis and Prediction*. <i>Bulletin of the American Meteorological Society</i> , 2009, 90, 459-480.	3.3	489
70	Behavior of the Wyrki Jet observed with surface drifting buoys and satellite altimeter. <i>Geophysical Research Letters</i> , 2009, 36, .	4.0	42
71	Analysis on Spatio-temporal Characteristics of Wintertime Planetary Wave in the Northern Hemisphere Based on 2D FFT. <i>Lecture Notes in Computer Science</i> , 2007, , 98-104.	1.3	0
72	Improvement of the SLP simulation in the coupled AGCM-ocean surface wave model. <i>Science Bulletin</i> , 2005, 50, 2397-2400.	1.7	6

#	ARTICLE	IF	CITATIONS
73	The coupling instability of Rossby and topographic Rossby waves in the equatorial area. Science in China Series D: Earth Sciences, 2005, 48, 1792-1801.	0.9	0
74	Understanding the origins of interannual thermocline variations in the tropical Indian Ocean. Geophysical Research Letters, 2005, 32, .	4.0	146
75	Improvement of the SLP simulation in the coupled AGCM-ocean surface wave model. Science Bulletin, 2005, 50, 2397.	1.7	1