

Lisan Yu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9172059/publications.pdf>

Version: 2024-02-01

65
papers

4,838
citations

136950

32
h-index

110387

64
g-index

70
all docs

70
docs citations

70
times ranked

4841
citing authors

#	ARTICLE	IF	CITATIONS
1	Objectively Analyzed Air–Sea Heat Fluxes for the Global Ice-Free Oceans (1981–2005). <i>Bulletin of the American Meteorological Society</i> , 2007, 88, 527-540.	3.3	894
2	Oceanic and terrestrial sources of continental precipitation. <i>Reviews of Geophysics</i> , 2012, 50, .	23.0	384
3	Surface Irradiances Consistent with CERES-Derived Top-of-Atmosphere Shortwave and Longwave Irradiances. <i>Journal of Climate</i> , 2013, 26, 2719-2740.	3.2	363
4	THE PIRATA PROGRAM. <i>Bulletin of the American Meteorological Society</i> , 2008, 89, 1111-1126.	3.3	309
5	Westerly Wind Bursts: ENSO’s Tail Rather than the Dog?. <i>Journal of Climate</i> , 2005, 18, 5224-5238.	3.2	245
6	Mechanisms for the Indian Ocean warming during the 1997-98 El Niño. <i>Geophysical Research Letters</i> , 1999, 26, 735-738.	4.0	211
7	A global relationship between the ocean water cycle and near-surface salinity. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	182
8	Global Variations in Oceanic Evaporation (1958–2005): The Role of the Changing Wind Speed. <i>Journal of Climate</i> , 2007, 20, 5376-5390.	3.2	152
9	On the remote forcing of the circulation in the Bay of Bengal. <i>Journal of Geophysical Research</i> , 1991, 96, 20449-20454.	3.3	143
10	Ocean–Atmosphere Interactions During Cyclone Nargis. <i>Eos</i> , 2009, 90, 53-54.	0.1	122
11	Air-Sea Fluxes With a Focus on Heat and Momentum. <i>Frontiers in Marine Science</i> , 2019, 6, .	2.5	111
12	On the Relationship between Synoptic Wintertime Atmospheric Variability and Path Shifts in the Gulf Stream and the Kuroshio Extension. <i>Journal of Climate</i> , 2009, 22, 3177-3192.	3.2	110
13	Case analysis of a role of ENSO in regulating the generation of westerly wind bursts in the Western Equatorial Pacific. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	97
14	Annual, Seasonal, and Interannual Variability of Air–Sea Heat Fluxes in the Indian Ocean. <i>Journal of Climate</i> , 2007, 20, 3190-3209.	3.2	89
15	Evidence of an extratropical atmospheric influence during the onset of the 1997-98 El Niño. <i>Geophysical Research Letters</i> , 1998, 25, 3537-3540.	4.0	87
16	Quantifying the Dependence of Westerly Wind Bursts on the Large-Scale Tropical Pacific SST. <i>Journal of Climate</i> , 2007, 20, 2760-2768.	3.2	77
17	Role of Net Surface Heat Flux in Seasonal Variations of Sea Surface Temperature in the Tropical Atlantic Ocean. <i>Journal of Climate</i> , 2006, 19, 6153-6169.	3.2	74
18	Global Air–Sea Fluxes of Heat, Fresh Water, and Momentum: Energy Budget Closure and Unanswered Questions. <i>Annual Review of Marine Science</i> , 2019, 11, 227-248.	11.6	67

#	ARTICLE	IF	CITATIONS
19	Indian Ocean warming of 1997-1998. <i>Journal of Geophysical Research</i> , 2000, 105, 16923-16939.	3.3	64
20	Ocean Preconditioning of Cyclone Nargis in the Bay of Bengal: Interaction between Rossby Waves, Surface Fresh Waters, and Sea Surface Temperatures*. <i>Journal of Physical Oceanography</i> , 2011, 41, 1741-1755.	1.7	61
21	Variability of the depth of the 20°C isotherm along 6°N in the Bay of Bengal: its response to remote and local forcing and its relation to satellite SSH variability. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2003, 50, 2285-2304.	1.4	57
22	Global in situ Observations of Essential Climate and Ocean Variables at the Air-Sea Interface. <i>Frontiers in Marine Science</i> , 2019, 6, .	2.5	49
23	Intensification of the global water cycle and evidence from ocean salinity: a synthesis review. <i>Annals of the New York Academy of Sciences</i> , 2020, 1472, 76-94.	3.8	48
24	Mean and Variability of the WHOI Daily Latent and Sensible Heat Fluxes at In Situ Flux Measurement Sites in the Atlantic Ocean*. <i>Journal of Climate</i> , 2004, 17, 2096-2118.	3.2	47
25	Exchanges Through the Ocean Surface. <i>International Geophysics</i> , 2013, , 115-140.	0.6	47
26	Progress in understanding of Indian Ocean circulation, variability, air-sea exchange, and impacts on biogeochemistry. <i>Ocean Science</i> , 2021, 17, 1677-1751.	3.4	43
27	Dynamics of the seasonal variations in the Indian Ocean from TOPEX/POSEIDON sea surface height and an ocean model. <i>Geophysical Research Letters</i> , 1998, 25, 1915-1918.	4.0	39
28	On Sea Surface Salinity Skin Effect Induced by Evaporation and Implications for Remote Sensing of Ocean Salinity. <i>Journal of Physical Oceanography</i> , 2010, 40, 85-102.	1.7	38
29	Saildrone: Adaptively Sampling the Marine Environment. <i>Bulletin of the American Meteorological Society</i> , 2020, 101, E744-E762.	3.3	38
30	The Global Ocean Water Cycle in Atmospheric Reanalysis, Satellite, and Ocean Salinity. <i>Journal of Climate</i> , 2017, 30, 3829-3852.	3.2	37
31	Sea-surface salinity fronts and associated salinity minimum zones in the tropical ocean. <i>Journal of Geophysical Research: Oceans</i> , 2015, 120, 4205-4225.	2.6	35
32	Recent Wind-Driven Variability in Atlantic Water Mass Distribution and Meridional Overturning Circulation. <i>Journal of Physical Oceanography</i> , 2017, 47, 633-647.	1.7	34
33	Characterization of Sea Surface Temperature and Air-Sea Heat Flux Anomalies Associated With Mesoscale Eddies in the South China Sea. <i>Journal of Geophysical Research: Oceans</i> , 2020, 125, e2019JC015470.	2.6	33
34	North Pacific subtropical mode water is controlled by the Atlantic Multidecadal Variability. <i>Nature Climate Change</i> , 2020, 10, 238-243.	18.8	32
35	Closing the Water Cycle from Observations across Scales: Where Do We Stand?. <i>Bulletin of the American Meteorological Society</i> , 2021, 102, E1897-E1935.	3.3	31
36	Coherent evidence from Aquarius and Argo for the existence of a shallow low-salinity convergence zone beneath the Pacific ITCZ. <i>Journal of Geophysical Research: Oceans</i> , 2014, 119, 7625-7644.	2.6	28

#	ARTICLE	IF	CITATIONS
37	Buoy perspective of a high-resolution global ocean vector wind analysis constructed from passive radiometers and active scatterometers (1987-present). <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	26
38	Variations of the Global Net Air-Sea Heat Flux during the "Hiatus" Period (2001-10). <i>Journal of Climate</i> , 2016, 29, 3647-3660.	3.2	26
39	Inverse Modeling of Seasonal Variations in the North Atlantic Ocean. <i>Journal of Physical Oceanography</i> , 1998, 28, 902-922.	1.7	20
40	Oceanic origin of a recent La Niña-like trend in the tropical Pacific. <i>Advances in Atmospheric Sciences</i> , 2011, 28, 1109-1117.	4.3	20
41	How much net surface heat flux should go into the Western Pacific Warm Pool?. <i>Journal of Geophysical Research: Oceans</i> , 2013, 118, 3569-3585.	2.6	20
42	Insights on the OAFlex ocean surface vector wind analysis merged from scatterometers and passive microwave radiometers (1987 onward). <i>Journal of Geophysical Research: Oceans</i> , 2014, 119, 5244-5269.	2.6	20
43	Variational Data Assimilation for Determining the Seasonal Net Surface Heat Flux Using a Tropical Pacific Ocean Model. <i>Journal of Physical Oceanography</i> , 1995, 25, 2319-2343.	1.7	17
44	An Improved Near-Surface Specific Humidity and Air Temperature Climatology for the SSM/I Satellite Period. <i>Journal of Atmospheric and Oceanic Technology</i> , 2015, 32, 412-433.	1.3	17
45	Air-sea heat flux climatologies in the Mediterranean Sea: Surface energy balance and its consistency with ocean heat storage. <i>Journal of Geophysical Research: Oceans</i> , 2017, 122, 4068-4087.	2.6	17
46	Poleward Shift in Ventilation of the North Atlantic Subtropical Underwater. <i>Geophysical Research Letters</i> , 2018, 45, 258-266.	4.0	16
47	High-Latitude Contribution to Global Variability of Air-Sea Sensible Heat Flux. <i>Journal of Climate</i> , 2012, 25, 3515-3531.	3.2	15
48	Assessing high-resolution analysis of surface heat fluxes in the Gulf Stream region. <i>Journal of Geophysical Research: Oceans</i> , 2013, 118, 5353-5375.	2.6	14
49	Poleward Shift of the Kuroshio Extension Front and Its Impact on the North Pacific Subtropical Mode Water in the Recent Decades. <i>Journal of Physical Oceanography</i> , 2021, 51, 457-474.	1.7	14
50	Revisiting the Global Patterns of Seasonal Cycle in Sea Surface Salinity. <i>Journal of Geophysical Research: Oceans</i> , 2021, 126, e2020JC016789.	2.6	13
51	A regime-dependent retrieval algorithm for near-surface air temperature and specific humidity from multi-microwave sensors. <i>Remote Sensing of Environment</i> , 2018, 215, 199-216.	11.0	12
52	Global Oceans. <i>Bulletin of the American Meteorological Society</i> , 2020, 101, S129-S184.	3.3	12
53	Decadal to Multidecadal Variability of the Mixed Layer to the South of the Kuroshio Extension Region. <i>Journal of Climate</i> , 2020, 33, 7697-7714.	3.2	11
54	Sea Surface Salinity Seasonal Variability in the Tropics from Satellites, Gridded In Situ Products and Mooring Observations. <i>Remote Sensing</i> , 2021, 13, 110.	4.0	11

#	ARTICLE	IF	CITATIONS
55	Analysis of the North Atlantic climatologies using a combined OGCM/adjoint approach. Journal of Marine Research, 1996, 54, 867-913.	0.3	10
56	Confidence and sensitivity study of the OAFlex multisensor synthesis of the global ocean surface vector wind from 1987 onward. Journal of Geophysical Research: Oceans, 2014, 119, 6842-6862.	2.6	9
57	Air-sea interaction regimes in the sub-Antarctic Southern Ocean and Antarctic marginal ice zone revealed by icebreaker measurements. Journal of Geophysical Research: Oceans, 2017, 122, 6547-6564.	2.6	8
58	Variability and Uncertainty of Satellite Sea Surface Salinity in the Subpolar North Atlantic (2010-2019). Remote Sensing, 2020, 12, 2092.	4.0	8
59	How do uncertainties in NCEP R2 and CFSR surface fluxes impact tropical ocean simulations?. Climate Dynamics, 2017, 49, 3327-3344.	3.8	7
60	Surface heat budget in the Southern Ocean from 42°S to the Antarctic marginal ice zone: four atmospheric reanalyses versus icebreaker Aurora Australis measurements. Polar Research, 2019, 38, .	1.6	4
61	Recent Decadal Change in the North Atlantic Subtropical Underwater Associated With the Poleward Expansion of the Surface Salinity Maximum. Journal of Geophysical Research: Oceans, 2019, 124, 4433-4448.	2.6	3
62	Thoughts on a variable meridional overturning cell and a variable heat-flux to the atmosphere. Geophysical and Astrophysical Fluid Dynamics, 2011, 105, 1-22.	1.2	2
63	Sea Surface Exchanges of Momentum, Heat, and Freshwater Determined by Satellite Remote Sensing. , 2019, , 15-23.		2
64	Emerging Pattern of Wind Change over the Eurasian Marginal Seas Revealed by Three Decades of Satellite Ocean-Surface Wind Observations. Remote Sensing, 2021, 13, 1707.	4.0	2
65	Characteristics of 3-Dimensional Structure and Heat Budget of Mesoscale Eddies in the South Atlantic Ocean. Journal of Geophysical Research: Oceans, 2021, 126, e2020JC016922.	2.6	2