Lisan Yu

List of Publications by Year
in descending order

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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	Poleward Shift of the Kuroshio Extension Front and Its Impact on the North Pacific Subtropical Mode Water in the Recent Decades. Journal of Physical Oceanography, 2021, 51, 457-474.	1.7	14
2	Revisiting the Global Patterns of Seasonal Cycle in Sea Surface Salinity. Journal of Geophysical Research: Oceans, 2021, 126, e2020JC016789.	2.6	13
3	Closing the Water Cycle from Observations across Scales: Where Do We Stand?. Bulletin of the American Meteorological Society, 2021, 102, E1897-E1935.	3.3	31
4	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
5	Characteristics of 3â€Dimensional Structure and Heat Budget of Mesoscale Eddies in the South Atlantic Ocean. Journal of Geophysical Research: Oceans, 2021, 126, e2020JC016922.	2.6	2
6	Sea Surface Salinity Seasonal Variability in the Tropics from Satellites, Gridded In Situ Products and Mooring Observations. Remote Sensing, 2021, 13, 110.	4.0	11
7	Progress in understanding of Indian Ocean circulation, variability, airâ€“sea exchange, and impacts on biogeochemistry. Ocean Science, 2021, 17, 1677-1751.	3.4	43
8	Variability and Uncertainty of Satellite Sea Surface Salinity in the Subpolar North Atlantic (2010â€“2019). Remote Sensing, 2020, 12, 2092.	4.0	8
9	Intensification of the global water cycle and evidence from ocean salinity: a synthesis review. Annals of the New York Academy of Sciences, 2020, 1472, 76-94.	3.8	48
10	Characterization of Sea Surface Temperature and Airâ€Sea Heat Flux Anomalies Associated With Mesoscale Eddies in the South China Sea. Journal of Geophysical Research: Oceans, 2020, 125, e2019JC015470.	2.6	33
11	North Pacific subtropical mode water is controlled by the Atlantic Multidecadal Variability. Nature Climate Change, 2020, 10, 238-243.	18.8	32
12	Saildrone: Adaptively Sampling the Marine Environment. Bulletin of the American Meteorological Society, 2020, 101, E744-E762.	3.3	38
13	Global Oceans. Bulletin of the American Meteorological Society, 2020, 101, S129-S184.	3.3	12
14	Decadal to Multidecadal Variability of the Mixed Layer to the South of the Kuroshio Extension Region. Journal of Climate, 2020, 33, 7697-7714.	3.2	11
15	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
16	Air-Sea Fluxes With a Focus on Heat and Momentum. Frontiers in Marine Science, 2019, 6, .	2.5	111
17	Global in situ Observations of Essential Climate and Ocean Variables at the Airâ€“Sea Interface. Frontiers in Marine Science, 2019, 6, .	2.5	49
18	Global Airâ€“Sea Fluxes of Heat, Fresh Water, and Momentum: Energy Budget Closure and Unanswered Questions. Annual Review of Marine Science, 2019, 11, 227-248.	11.6	67

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19	Sea Surface Exchanges of Momentum, Heat, and Freshwater Determined by Satellite Remote Sensing. , 2019, , 15-23.		2
20	Surface heat budget in the Southern Ocean from 42Â°S to the Antarctic marginal ice zone: four atmospheric reanalyses versus icebreaker Aurora Australis measurements. Polar Research, 2019, 38, .	1.6	4
21	Poleward Shift in Ventilation of the North Atlantic Subtropical Underwater. Geophysical Research Letters, 2018, 45, 258-266.	4.0	16
22	A regime-dependent retrieval algorithm for near-surface air temperature and specific humidity from multi-microwave sensors. Remote Sensing of Environment, 2018, 215, 199-216.	11.0	12
23	The Global Ocean Water Cycle in Atmospheric Reanalysis, Satellite, and Ocean Salinity. Journal of Climate, 2017, 30, 3829-3852.	3.2	37
24	Recent Wind-Driven Variability in Atlantic Water Mass Distribution and Meridional Overturning Circulation. Journal of Physical Oceanography, 2017, 47, 633-647.	1.7	34
25	How do uncertainties in NCEP R2 and CFSR surface fluxes impact tropical ocean simulations?. Climate Dynamics, 2017, 49, 3327-3344.	3.8	7
26	Airâ€sea heat flux climatologies in the <scp>M</scp>editerranean <scp>S</scp>ea: Surface energy balance and its consistency with ocean heat storage. Journal of Geophysical Research: Oceans, 2017, 122, 4068-4087.	2.6	17
27	Airâ€sea interaction regimes in the subâ€Antarctic Southern Ocean and Antarctic marginal ice zone revealed by icebreaker measurements. Journal of Geophysical Research: Oceans, 2017, 122, 6547-6564.	2.6	8
28	Variations of the Global Net Airâ€“Sea Heat Flux during the â€œHiatusâ€•Period (2001â€“10). Journal of Climate, 2016, 29, 3647-3660.	3.2	26
29	Seaâ€surface salinity fronts and associated salinityâ€minimum zones in the tropical ocean. Journal of Geophysical Research: Oceans, 2015, 120, 4205-4225.	2.6	35
30	An Improved Near-Surface Specific Humidity and Air Temperature Climatology for the SSM/I Satellite Period. Journal of Atmospheric and Oceanic Technology, 2015, 32, 412-433.	1.3	17
31	Insights on the OAFlux ocean surface vector wind analysis merged from scatterometers and passive microwave radiometers (1987 onward). Journal of Geophysical Research: Oceans, 2014, 119, 5244-5269.	2.6	20
32	Confidence and sensitivity study of the OAFlux multisensor synthesis of the global ocean surface vector wind from 1987 onward. Journal of Geophysical Research: Oceans, 2014, 119, 6842-6862.	2.6	9
33	Coherent evidence from Aquarius and Argo for the existence of a shallow low-salinity convergence zone beneath the Pacific ITCZ. Journal of Geophysical Research: Oceans, 2014, 119, 7625-7644.	2.6	28
34	Surface Irradiances Consistent with CERES-Derived Top-of-Atmosphere Shortwave and Longwave Irradiances. Journal of Climate, 2013, 26, 2719-2740.	3.2	363
35	How much net surface heat flux should go into the Western Pacific Warm Pool?. Journal of Geophysical Research: Oceans, 2013, 118, 3569-3585.	2.6	20
36	Exchanges Through the Ocean Surface. International Geophysics, 2013, , 115-140.	0.6	47

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37	Assessing high-resolution analysis of surface heat fluxes in the Gulf Stream region. Journal of Geophysical Research: Oceans, 2013, 118, 5353-5375.	2.6	14
38	High-Latitude Contribution to Global Variability of Airâ€“Sea Sensible Heat Flux. Journal of Climate, 2012, 25, 3515-3531.	3.2	15
39	Oceanic and terrestrial sources of continental precipitation. Reviews of Geophysics, 2012, 50, .	23.0	384
40	Buoy perspective of a highâ€resolution global ocean vector wind analysis constructed from passive radiometers and active scatterometers (1987â€“present). Journal of Geophysical Research, 2012, 117, .	3.3	26
41	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
42	A global relationship between the ocean water cycle and near-surface salinity. Journal of Geophysical Research, 2011, 116, .	3.3	182
43	Oceanic origin of a recent La NiÃ±a-like trend in the tropical Pacific. Advances in Atmospheric Sciences, 2011, 28, 1109-1117.	4.3	20
44	Ocean Preconditioning of Cyclone Nargis in the Bay of Bengal: Interaction between Rossby Waves, Surface Fresh Waters, and Sea Surface Temperatures*. Journal of Physical Oceanography, 2011, 41, 1741-1755.	1.7	61
45	On Sea Surface Salinity Skin Effect Induced by Evaporation and Implications for Remote Sensing of Ocean Salinity. Journal of Physical Oceanography, 2010, 40, 85-102.	1.7	38
46	On the Relationship between Synoptic Wintertime Atmospheric Variability and Path Shifts in the Gulf Stream and the Kuroshio Extension. Journal of Climate, 2009, 22, 3177-3192.	3.2	110
47	Oceanâ€Atmosphere Interactions During Cyclone Nargis. Eos, 2009, 90, 53-54.	0.1	122
48	THE PIRATA PROGRAM. Bulletin of the American Meteorological Society, 2008, 89, 1111-1126.	3.3	309
49	Annual, Seasonal, and Interannual Variability of Airâ€“Sea Heat Fluxes in the Indian Ocean. Journal of Climate, 2007, 20, 3190-3209.	3.2	89
50	Objectively Analyzed Airâ€“Sea Heat Fluxes for the Global Ice-Free Oceans (1981â€“2005). Bulletin of the American Meteorological Society, 2007, 88, 527-540.	3.3	894
51	Global Variations in Oceanic Evaporation (1958â€“2005): The Role of the Changing Wind Speed. Journal of Climate, 2007, 20, 5376-5390.	3.2	152
52	Quantifying the Dependence of Westerly Wind Bursts on the Large-Scale Tropical Pacific SST. Journal of Climate, 2007, 20, 2760-2768.	3.2	77
53	Role of Net Surface Heat Flux in Seasonal Variations of Sea Surface Temperature in the Tropical Atlantic Ocean. Journal of Climate, 2006, 19, 6153-6169.	3.2	74
54	Westerly Wind Bursts: ENSOâ€™s Tail Rather than the Dog?. Journal of Climate, 2005, 18, 5224-5238.	3.2	245

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55	Mean and Variability of the WHOI Daily Latent and Sensible Heat Fluxes at In Situ Flux Measurement Sites in the Atlantic Ocean*. Journal of Climate, 2004, 17, 2096-2118.	3.2	47
56	Case analysis of a role of ENSO in regulating the generation of westerly wind bursts in the Western Equatorial Pacific. Journal of Geophysical Research, 2003, 108, .	3.3	97
57	Variability of the depth of the 20Â°C isotherm along 6Â°N in the Bay of Bengal: its response to remote and local forcing and its relation to satellite SSH variability. Deep-Sea Research Part II: Topical Studies in Oceanography, 2003, 50, 2285-2304.	1.4	57
58	Indian Ocean warming of 1997-1998. Journal of Geophysical Research, 2000, 105, 16923-16939.	3.3	64
59	Mechanisms for the Indian Ocean warming during the 1997-98 El NiÃ±o. Geophysical Research Letters, 1999, 26, 735-738.	4.0	211
60	Dynamics of the seasonal variations in the Indian Ocean from TOPEX/POSEIDON sea surface height and an ocean model. Geophysical Research Letters, 1998, 25, 1915-1918.	4.0	39
61	Evidence of an extratropical atmospheric influence during the onset of the 1997-98 El NiÃ±o. Geophysical Research Letters, 1998, 25, 3537-3540.	4.0	87
62	Inverse Modeling of Seasonal Variations in the North Atlantic Ocean. Journal of Physical Oceanography, 1998, 28, 902-922.	1.7	20
63	Analysis of the North Atlantic climatologies using a combined OGCM/adjoint approach. Journal of Marine Research, 1996, 54, 867-913.	0.3	10
64	Variational Data Assimilation for Determining the Seasonal Net Surface Heat Flux Using a Tropical Pacific Ocean Model. Journal of Physical Oceanography, 1995, 25, 2319-2343.	1.7	17
65	On the remote forcing of the circulation in the Bay of Bengal. Journal of Geophysical Research, 1991, 96, 20449-20454.	3.3	143