

Jianyu Hu

List of Publications by Year in descending order

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Version: 2024-02-01

82
papers

2,795
citations

257450

24
h-index

189892

50
g-index

82
all docs

82
docs citations

82
times ranked

2226
citing authors

#	ARTICLE	IF	CITATIONS
1	Title is missing!. Journal of Oceanography, 2000, 56, 607-624.	1.7	633
2	Progress on upwelling studies in the China seas. Reviews of Geophysics, 2016, 54, 653-673.	23.0	179
3	Review on current and seawater volume transport through the Taiwan Strait. Journal of Oceanography, 2010, 66, 591-610.	1.7	137
4	Anticyclonic eddies in the northeastern South China Sea during winter 2003/2004. Journal of Oceanography, 2008, 64, 925-935.	1.7	129
5	Satellite altimeter observations of nonlinear Rossby eddyâ€“Kuroshio interaction at the Luzon Strait. Journal of Oceanography, 2011, 67, 365-376.	1.7	125
6	Time of emergence for regional sea-level change. Nature Climate Change, 2014, 4, 1006-1010.	18.8	109
7	Observed three-dimensional structure of a cold eddy in the southwestern South China Sea. Journal of Geophysical Research, 2011, 116, .	3.3	108
8	An overview of physical and biogeochemical processes and ecosystem dynamics in the Taiwan Strait. Continental Shelf Research, 2011, 31, S3-S12.	1.8	92
9	Winter-spring fronts in Taiwan Strait. Journal of Geophysical Research, 2006, 111, .	3.3	71
10	Relative contributions of local wind and topography to the coastal upwelling intensity in the northern South China Sea. Journal of Geophysical Research: Oceans, 2014, 119, 2550-2567.	2.6	67
11	Penetration of nonlinear Rossby eddies into South China Sea evidenced by cruise data. Journal of Geophysical Research, 2012, 117, .	3.3	58
12	Progress on circulation dynamics in the East China Sea and southern Yellow Sea: Origination, pathways, and destinations of shelf currents. Progress in Oceanography, 2021, 193, 102553.	3.2	50
13	Strong near-inertial oscillations in geostrophic shear in the northern South China Sea. Journal of Oceanography, 2011, 67, 377-384.	1.7	48
14	3â‰“6 Months Variation of Sea Surface Height in the South China Sea and Its Adjacent Ocean. Journal of Oceanography, 2001, 57, 69-78.	1.7	47
15	A case study of near-inertial oscillation in the South China Sea using mooring observations and satellite altimeter data. Journal of Oceanography, 2011, 67, 677-687.	1.7	41
16	Internal Solitary Wave Reflection Near Dongsha Atoll, the South China Sea. Journal of Geophysical Research: Oceans, 2017, 122, 7978-7991.	2.6	40
17	Generation sites of internal solitary waves in the southern Taiwan Strait revealed by MODIS true-colour image observations. International Journal of Remote Sensing, 2014, 35, 4086-4098.	2.9	37
18	Hydrographic and Satellite Observations of Summertime Upwelling in the Taiwan Strait: A Preliminary Description. Terrestrial, Atmospheric and Oceanic Sciences, 2001, 12, 415.	0.6	34

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19	Dynamics of wind-driven upwelling off the northeastern coast of Hainan Island. <i>Journal of Geophysical Research: Oceans</i> , 2016, 121, 1160-1173.	2.6	33
20	Evaluation of the interdecadal variability of sea surface temperature and sea level in the Pacific in CMIP3 and CMIP5 models. <i>International Journal of Climatology</i> , 2016, 36, 3723-3740.	3.5	33
21	Seasonal variation of the Beaufort shelfbreak jet and its relationship to Arctic cetacean occurrence. <i>Journal of Geophysical Research: Oceans</i> , 2016, 121, 8434-8454.	2.6	31
22	Characterizing meso- to submesoscale features in the South China Sea. <i>Progress in Oceanography</i> , 2020, 188, 102420.	3.2	31
23	Coastal upwelling in summer 2000 in the northeastern South China Sea. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	28
24	Statistical features of eddies approaching the Kuroshio east of Taiwan Island and Luzon Island. <i>Journal of Oceanography</i> , 2017, 73, 427-438.	1.7	27
25	Observation of summertime upwelling off the eastern and northeastern coasts of Hainan Island, China. <i>Ocean Dynamics</i> , 2016, 66, 387-399.	2.2	26
26	Standing wave modes observed in the South China Sea deep basin. <i>Journal of Geophysical Research: Oceans</i> , 2014, 119, 4185-4199.	2.6	25
27	Quantifying internally generated and externally forced climate signals at regional scales in CMIP5 models. <i>Geophysical Research Letters</i> , 2015, 42, 9394-9403.	4.0	24
28	The Rossby normal modes in the South China Sea deep basin evidenced by satellite altimetry. <i>International Journal of Remote Sensing</i> , 2018, 39, 399-417.	2.9	24
29	Variable temperature, salinity and water mass structures in the southwestern Taiwan Strait in summer. <i>Continental Shelf Research</i> , 2011, 31, S13-S23.	1.8	23
30	Features of near-inertial motions observed on the northern South China Sea shelf during the passage of two typhoons. <i>Acta Oceanologica Sinica</i> , 2015, 34, 38-43.	1.0	23
31	Distinguishing the Quasi-Decadal and Multidecadal Sea Level and Climate Variations in the Pacific: Implications for the ENSO-Like Low-Frequency Variability. <i>Journal of Climate</i> , 2017, 30, 5097-5117.	3.2	23
32	On summer stratification and tidal mixing in the Taiwan Strait. <i>Frontiers of Earth Science</i> , 2013, 7, 141-150.	2.1	20
33	Multiparameter cluster analysis of seasonal variation of water masses in the eastern Beibu Gulf. <i>Journal of Oceanography</i> , 2011, 67, 709-718.	1.7	19
34	Advances on Coastal and Estuarine Circulations Around the Changjiang Estuary in the Recent Decades (2000–2020). <i>Frontiers in Marine Science</i> , 2021, 8, .	2.5	18
35	The TKE dissipation rate in the northern South China Sea. <i>Ocean Dynamics</i> , 2013, 63, 1189-1201.	2.2	17
36	Variability and change of sea level and its components in the Indian-Pacific region during the altimetry era. <i>Journal of Geophysical Research: Oceans</i> , 2017, 122, 1862-1881.	2.6	17

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37	Fission of Shoaling Internal Waves on the Northeastern Shelf of the South China Sea. <i>Journal of Geophysical Research: Oceans</i> , 2019, 124, 4529-4545.	2.6	17
38	Wavelet analysis of coastal-trapped waves along the China coast generated by winter storms in 2008. <i>Acta Oceanologica Sinica</i> , 2015, 34, 22-31.	1.0	16
39	Local inertial oscillations in the surface ocean generated by time-varying winds. <i>Ocean Dynamics</i> , 2015, 65, 1633-1641.	2.2	15
40	Using TPI to Map Spatial and Temporal Variations of Significant Coastal Upwelling in the Northern South China Sea. <i>Remote Sensing</i> , 2021, 13, 1065.	4.0	15
41	Classification and 3-D distribution of upper layer water masses in the northern South China Sea. <i>Acta Oceanologica Sinica</i> , 2019, 38, 126-135.	1.0	14
42	A peculiar lens-shaped structure observed in the South China Sea. <i>Scientific Reports</i> , 2017, 7, 478.	3.3	13
43	The Changing Influences of ENSO and the Pacific Meridional Mode on Mesoscale Eddies in the South China Sea. <i>Journal of Climate</i> , 2019, 32, 685-700.	3.2	13
44	Progress of Studies on Circulation Dynamics in the East China Sea: The Kuroshio Exchanges With the Shelf Currents. <i>Frontiers in Marine Science</i> , 2021, 8, .	2.5	13
45	Analysis of sea surface temperature fronts in the Taiwan Strait and its adjacent area using an advanced edge detection method. <i>Science China Earth Sciences</i> , 2010, 53, 1008-1016.	5.2	12
46	A double-index method to classify Kuroshio intrusion paths in the Luzon Strait. <i>Advances in Atmospheric Sciences</i> , 2016, 33, 715-729.	4.3	12
47	Comparison of typhoon-induced near-inertial oscillations in shear flow in the northern South China Sea. <i>Acta Oceanologica Sinica</i> , 2015, 34, 38-45.	1.0	11
48	Growth and dissipation of typhoon-forced solitary continental shelf waves in the northern South China Sea. <i>Climate Dynamics</i> , 2015, 45, 853-865.	3.8	11
49	Using the Sigma- ρ Diagram to Analyze Water Masses in the Northern South China Sea in Spring. <i>Journal of Geophysical Research: Oceans</i> , 2020, 125, e2019JC015676.	2.6	11
50	Mapping the Coastal Upwelling East of Taiwan Using Geostationary Satellite Data. <i>Remote Sensing</i> , 2021, 13, 170.	4.0	11
51	Diagnostic model construction and example analysis of habitat degradation in enclosed bay: III. Sansha Bay habitat restoration strategy. <i>Chinese Journal of Oceanology and Limnology</i> , 2015, 33, 477-489.	0.7	10
52	Influence of island chains on the Kuroshio intrusion in the Luzon Strait. <i>Advances in Atmospheric Sciences</i> , 2017, 34, 397-410.	4.3	10
53	A Strong Kuroshio Intrusion into the South China Sea and Its Accompanying Cold-Core Anticyclonic Eddy in Winter 2020-2021. <i>Remote Sensing</i> , 2021, 13, 2645.	4.0	10
54	Jet-like features of Jiulongjiang River plume discharging into the west Taiwan Strait. <i>Frontiers of Earth Science</i> , 2013, 7, 282-294.	2.1	9

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55	A case study of winter storm-induced continental shelf waves in the northern South China Sea in winter 2009. <i>Continental Shelf Research</i> , 2016, 125, 127-135.	1.8	9
56	Transient Enhancement and Decoupling of Carbon and Opal Export in Cyclonic Eddies. <i>Journal of Geophysical Research: Oceans</i> , 2020, 125, e2020JC016372.	2.6	9
57	Introduction to the special section on regional environmental oceanography in the South China Sea and its adjacent areas (REO-SCS). <i>Journal of Oceanography</i> , 2011, 67, 359-363.	1.7	7
58	Summertime sea surface temperature and salinity fronts in the southern Taiwan Strait. <i>International Journal of Remote Sensing</i> , 2014, 35, 4452-4466.	2.9	7
59	Intraseasonal Variability of the Winter Western Boundary Current in the South China Sea Using Satellite Data and Mooring Observations. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2016, 9, 5079-5088.	4.9	7
60	Analysis of monthly variability of thermocline in the South China Sea. <i>Journal of Oceanology and Limnology</i> , 2018, 36, 205-215.	1.3	7
61	The Strong Upwelling Event off the Southern Coast of Sri Lanka in 2013 and Its Relationship with Indian Ocean Dipole Events. <i>Journal of Climate</i> , 2021, 34, 3555-3569.	3.2	7
62	Observations of the Luzon Cold Eddy in the northeastern South China Sea in May 2017. <i>Journal of Oceanography</i> , 2019, 75, 415-422.	1.7	6
63	3-D observations of a red tide event in the offshore water along the western Guangdong coast. <i>Acta Oceanologica Sinica</i> , 2015, 34, 159-161.	1.0	5
64	A study of response of thermocline in the South China Sea to ENSO events. <i>Journal of Oceanology and Limnology</i> , 2018, 36, 1166-1177.	1.3	5
65	Wintertime Guangdong coastal currents successfully captured by cheap GPS drifters. <i>Acta Oceanologica Sinica</i> , 2020, 39, 166-170.	1.0	5
66	The Tilt of Mean Dynamic Topography and its Seasonality Along the Coast of the Chinese Mainland. <i>Journal of Geophysical Research: Oceans</i> , 2021, 126, e2020JC016778.	2.6	5
67	Poleward Propagation of Typhoon-Induced Near-Inertial Waves in the Northern South China Sea. <i>Frontiers in Marine Science</i> , 2021, 8, .	2.5	5
68	Thermocline bulk shear analysis in the northern North Sea. <i>Ocean Dynamics</i> , 2016, 66, 499-508.	2.2	4
69	Subduction of a low-salinity water mass around the Xisha Islands in the South China Sea. <i>Scientific Reports</i> , 2018, 8, 3074.	3.3	4
70	Surface currents measured by GPS drifters in Daya Bay and along the eastern Guangdong coast. <i>Frontiers of Earth Science</i> , 2020, 14, 376-383.	2.1	4
71	Unusual Fish Assemblages Associated with Environmental Changes in the East China Sea in February and March 2017. <i>Remote Sensing</i> , 2021, 13, 1768.	4.0	4
72	Climatic Controls on the Interannual Variability of Shelf Circulation in the Northern South China Sea. <i>Journal of Geophysical Research: Oceans</i> , 2022, 127, .	2.6	4

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73	Sectional characteristics of temperature, salinity and density off the central Zhejiang coast in the spring of 2016. <i>Acta Oceanologica Sinica</i> , 2019, 38, 175-182.	1.0	3
74	Scaling Analysis of the China France Oceanography Satellite Along-track Wind and Wave Data. <i>Journal of Geophysical Research: Oceans</i> , 2021, 126, e2020JC017119.	2.6	3
75	Surface Currents Along the Coast of the Chinese Mainland Observed by Coastal Drifters in Autumn and Winter. <i>Marine Technology Society Journal</i> , 2021, 55, 161-169.	0.4	3
76	A summary of special section: regional environmental oceanography in the South China Sea and its adjacent areas (REO-SCS). <i>Journal of Oceanography</i> , 2011, 67, 675-676.	1.7	2
77	Features of internal tides observed near the shelf break in the northern South China Sea. <i>Ocean Dynamics</i> , 2019, 69, 353-365.	2.2	2
78	On Tidal Modulation of the Evolution of Internal Solitary-Like Waves Passing Through a Critical Point. <i>Journal of Physical Oceanography</i> , 2021, , .	1.7	2
79	Temperature, Salinity and Water Mass in the South China Sea. , 2020, , 43-75.		2
80	Surface water exchanges in the Luzon Strait as inferred from Lagrangian coherent structures. <i>Acta Oceanologica Sinica</i> , 2020, 39, 21-32.	1.0	2
81	Coastal Upwelling Off the China Coasts. , 2018, , .		1
82	Advances in interscale and interdisciplinary approaches to the South China Sea. <i>Acta Oceanologica Sinica</i> , 2021, 40, 196-199.	1.0	1