

# Jiwei Tian

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4136096/publications.pdf>

Version: 2024-02-01

82  
papers

2,795  
citations

201385

27  
h-index

197535

49  
g-index

82  
all docs

82  
docs citations

82  
times ranked

1648  
citing authors

#	ARTICLE	IF	CITATIONS
1	Observation of Luzon Strait transport. <i>Geophysical Research Letters</i> , 2006, 33, .	1.5	246
2	Observed 3D Structure, Generation, and Dissipation of Oceanic Mesoscale Eddies in the South China Sea. <i>Scientific Reports</i> , 2016, 6, 24349.	1.6	202
3	Enhanced Diapycnal Mixing in the South China Sea. <i>Journal of Physical Oceanography</i> , 2009, 39, 3191-3203.	0.7	201
4	A mesoscale eddy pair southwest of Taiwan and its influence on deep circulation. <i>Journal of Geophysical Research: Oceans</i> , 2013, 118, 6479-6494.	1.0	143
5	Observed upper ocean response to typhoon Megi (2010) in the Northern South China Sea. <i>Journal of Geophysical Research: Oceans</i> , 2014, 119, 3134-3157.	1.0	128
6	Proliferation of hydrocarbon-degrading microbes at the bottom of the Mariana Trench. <i>Microbiome</i> , 2019, 7, 47.	4.9	128
7	Anticyclonic Eddy Sheddings from Kuroshio Loop and the Accompanying Cyclonic Eddy in the Northeastern South China Sea. <i>Journal of Physical Oceanography</i> , 2017, 47, 1243-1259.	0.7	125
8	Deep water circulation in the Luzon Strait. <i>Journal of Geophysical Research: Oceans</i> , 2014, 119, 790-804.	1.0	110
9	Three-Dimensional Distribution of Turbulent Mixing in the South China Sea. <i>Journal of Physical Oceanography</i> , 2016, 46, 769-788.	0.7	85
10	Variability of the Deep-Water Overflow in the Luzon Strait*. <i>Journal of Physical Oceanography</i> , 2014, 44, 2972-2986.	0.7	69
11	Spatial structure and temporal variability of the zonal flow in the Luzon Strait. <i>Journal of Geophysical Research: Oceans</i> , 2015, 120, 759-776.	1.0	67
12	Observed and simulated submesoscale vertical pump of an anticyclonic eddy in the South China Sea. <i>Scientific Reports</i> , 2017, 7, 44011.	1.6	64
13	Elevated Mixing in the Periphery of Mesoscale Eddies in the South China Sea. <i>Journal of Physical Oceanography</i> , 2017, 47, 895-907.	0.7	56
14	Impacts of a Mesoscale Eddy Pair on Internal Solitary Waves in the Northern South China Sea revealed by Mooring Array Observations. <i>Journal of Physical Oceanography</i> , 2017, 47, 1539-1554.	0.7	54
15	Dissolved black carbon is not likely a significant refractory organic carbon pool in rivers and oceans. <i>Nature Communications</i> , 2020, 11, 5051.	5.8	53
16	Novel insights into the Thaumarchaeota in the deepest oceans: their metabolism and potential adaptation mechanisms. <i>Microbiome</i> , 2020, 8, 78.	4.9	47
17	Deep Western Boundary Current in the South China Sea. <i>Scientific Reports</i> , 2017, 7, 9303.	1.6	45
18	Advances in research on the deep South China Sea circulation. <i>Science Bulletin</i> , 2012, 57, 3115-3120.	1.7	44

#	ARTICLE	IF	CITATIONS
19	Subthermocline eddies observed by rapid sampling Argo floats in the subtropical northwestern Pacific Ocean in Spring 2014. <i>Geophysical Research Letters</i> , 2015, 42, 6438-6445.	1.5	41
20	Latitude-dependent finescale turbulent shear generations in the Pacific tropical-extratropical upper ocean. <i>Nature Communications</i> , 2018, 9, 4086.	5.8	40
21	Spatiotemporal Characteristics and Generation Mechanisms of Submesoscale Currents in the Northeastern South China Sea Revealed by Numerical Simulations. <i>Journal of Geophysical Research: Oceans</i> , 2020, 125, e2019JC015404.	1.0	39
22	A statistical study on the subthermocline submesoscale eddies in the northwestern Pacific Ocean based on Argo data. <i>Journal of Geophysical Research: Oceans</i> , 2017, 122, 3586-3598.	1.0	36
23	Interannual modulation of eddy kinetic energy in the northeastern South China Sea as revealed by an eddy-resolving OGCM. <i>Journal of Geophysical Research: Oceans</i> , 2016, 121, 3190-3201.	1.0	33
24	Dissipation of mesoscale eddies and its contribution to mixing in the northern South China Sea. <i>Scientific Reports</i> , 2019, 9, 556.	1.6	32
25	Submesoscale Currents in the Subtropical Upper Ocean Observed by Long-Term High-Resolution Mooring Arrays. <i>Journal of Physical Oceanography</i> , 2021, 51, 187-206.	0.7	32
26	Latitudinal Distribution of Mixing Rate Caused by the M2 Internal Tide. <i>Journal of Physical Oceanography</i> , 2006, 36, 35-42.	0.7	30
27	Insight Into the Pico- and Nano-Phytoplankton Communities in the Deepest Biosphere, the Mariana Trench. <i>Frontiers in Microbiology</i> , 2018, 9, 2289.	1.5	30
28	Mooring observations of internal solitary waves in the deep basin west of Luzon Strait. <i>Acta Oceanologica Sinica</i> , 2014, 33, 82-89.	0.4	29
29	Biogeographic drivers of diazotrophs in the western Pacific Ocean. <i>Limnology and Oceanography</i> , 2019, 64, 1403-1421.	1.6	29
30	An anticyclonic eddy in the intermediate layer of the Luzon Strait in Autumn 2005. <i>Journal of Oceanography</i> , 2011, 67, 37-46.	0.7	26
31	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.	1.5	23
32	Spatial Structure of Turbulent Mixing in the Northwestern Pacific Ocean. <i>Journal of Physical Oceanography</i> , 2014, 44, 2235-2247.	0.7	23
33	Deepwater overflow observed by three bottom-anchored moorings in the Bashi Channel. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2016, 110, 65-74.	0.6	23
34	A quasi-synoptic interpretation of water mass distribution and circulation in the western North Pacific: I. Water mass distribution. <i>Chinese Journal of Oceanology and Limnology</i> , 2009, 27, 630-639.	0.7	21
35	A quasi-synoptic interpretation of water mass distribution and circulation in the western North Pacific II: Circulation. <i>Chinese Journal of Oceanology and Limnology</i> , 2009, 27, 955-965.	0.7	21
36	Estimation of eddy heat transport in the global ocean from Argo data. <i>Acta Oceanologica Sinica</i> , 2014, 33, 42-47.	0.4	21

#	ARTICLE	IF	CITATIONS
37	Cruise Observation of Rossby Waves with Finite Wavelengths Propagating from the Pacific to the South China Sea. <i>Journal of Physical Oceanography</i> , 2016, 46, 2897-2913.	0.7	21
38	Elevated Diapycnal Mixing by a Subthermocline Eddy in the Western Equatorial Pacific. <i>Geophysical Research Letters</i> , 2019, 46, 2628-2636.	1.5	20
39	Variability in the Deep Overflow through the Heng-Chun Ridge of the Luzon Strait. <i>Journal of Physical Oceanography</i> , 2019, 49, 811-825.	0.7	19
40	Cascade of Internal Wave Energy Catalyzed by Eddy-Topography Interactions in the Deep South China Sea. <i>Geophysical Research Letters</i> , 2020, 47, e2019GL086510.	1.5	19
41	Signals of interannual and interdecadal variability of air-sea interaction in the basin-wide Indian Ocean. <i>Atmosphere - Ocean</i> , 2002, 40, 293-311.	0.6	18
42	A new method to estimate phase speed and vertical velocity of internal solitary waves in the South China Sea. <i>Journal of Oceanography</i> , 2012, 68, 761-769.	0.7	18
43	Seasonal Modulation of Submesoscale Kinetic Energy in the Upper Ocean of the Northeastern South China Sea. <i>Journal of Geophysical Research: Oceans</i> , 2021, 126, .	1.0	17
44	Observation of material fluxes through the Luzon Strait. <i>Chinese Journal of Oceanology and Limnology</i> , 2011, 29, 26-32.	0.7	16
45	Diversity and co-occurrence networks of picoeukaryotes as a tool for indicating underlying environmental heterogeneity in the Western Pacific Ocean. <i>Marine Environmental Research</i> , 2021, 170, 105376.	1.1	16
46	Temporal variability of internal solitary waves in the northern South China Sea revealed by long-term mooring observations. <i>Progress in Oceanography</i> , 2022, 201, 102716.	1.5	16
47	Observations of Deep Current at the Western Boundary of the Northern Philippine Basin. <i>Scientific Reports</i> , 2018, 8, 14334.	1.6	14
48	Temporal variability of diapycnal mixing in the northern South China Sea. <i>Journal of Geophysical Research: Oceans</i> , 2016, 121, 8840-8848.	1.0	13
49	Saline lakes on the Qinghai-Tibet Plateau harbor unique viral assemblages mediating microbial environmental adaptation. <i>iScience</i> , 2021, 24, 103439.	1.9	13
50	Temporal variability of the current in the northeastern South China Sea revealed by 2.5-year-long moored observations. <i>Journal of Oceanography</i> , 2015, 71, 361-372.	0.7	12
51	<i>Alcanivorax profundus</i> sp. nov., isolated from deep seawater of the Mariana Trench. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2019, 69, 371-376.	0.8	12
52	Submesoscale Coherent Vortices Observed in the Northeastern South China Sea. <i>Journal of Geophysical Research: Oceans</i> , 2022, 127, .	1.0	11
53	Microstructure measurements and finescale parameterization assessment of turbulent mixing in the northern South China Sea. <i>Journal of Oceanography</i> , 2018, 74, 485-498.	0.7	10
54	An Examination of Circulation Characteristics in the Luzon Strait and the South China Sea Using High-Resolution Regional Atmosphere-Ocean Coupled Models. <i>Journal of Geophysical Research: Oceans</i> , 2020, 125, e2020JC016253.	1.0	10

#	ARTICLE	IF	CITATIONS
55	Waterâ€Mass Properties and Circulation in the Deep and Abyssal Philippine Sea. <i>Journal of Geophysical Research: Oceans</i> , 2021, 126, e2020JC016994.	1.0	9
56	Subsurface Mesoscale Eddies Observed in the Northeastern South China Sea: Dynamic Features and Water Mass Transport. <i>Journal of Physical Oceanography</i> , 2022, 52, 841-855.	0.7	9
57	Enhanced turbulent mixing induced by strong wind on the South China Sea shelf. <i>Ocean Dynamics</i> , 2014, 64, 781-796.	0.9	8
58	Intense Abyssal Flow Through the Yapâ€Mariana Junction in the Western North Pacific. <i>Geophysical Research Letters</i> , 2022, 49, .	1.5	8
59	The wavelet analysis of satellite sea surface temperature in the South China Sea and the Pacific Ocean. <i>Science Bulletin</i> , 2000, 45, 2187-2192.	1.7	7
60	The impact of the planetary $\beta^2$ -effect on the vertical structure of a coherent vortex in the South China Sea. <i>Ocean Dynamics</i> , 2020, 70, 879-896.	0.9	7
61	Observation of near-inertial internal waves on the continental slope in the northwestern South China Sea. <i>Journal of Ocean University of China</i> , 2017, 16, 184-190.	0.6	6
62	Genomic Characteristics and Potential Metabolic Adaptations of Hadal Trench <i>Roseobacter</i> and <i>Alteromonas</i> Bacteria Based on Single-Cell Genomics Analyses. <i>Frontiers in Microbiology</i> , 2020, 11, 1739.	1.5	6
63	On Contributions of Multiscale Dynamic Processes to the Steric Height in the Northeastern South China Sea as Revealed by Moored Observations. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL093829.	1.5	6
64	Internal Solitary Wave Activities near the Indonesian Submarine Wreck Site Inferred from Satellite Images. <i>Journal of Marine Science and Engineering</i> , 2022, 10, 197.	1.2	6
65	Dynamics of the Baroclinic Rossby Waves Regulating the Abyssal South China Sea. <i>Journal of Physical Oceanography</i> , 2022, 52, 873-887.	0.7	6
66	Comparison of Deep-Sea Picoeukaryotic Composition Estimated from the V4 and V9 Regions of 18S rRNA Gene with a Focus on the Hadal Zone of the Mariana Trench. <i>Microbial Ecology</i> , 2022, 83, 34-47.	1.4	5
67	Internal Lee Waves Generated by Shear Flow Over Smallâ€Scale Topography. <i>Journal of Geophysical Research: Oceans</i> , 2022, 127, .	1.0	5
68	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
69	Examination of wind-wave interaction source term in WAVEWATCH III with tropical cyclone wind forcing. <i>Acta Oceanologica Sinica</i> , 2011, 30, 1-13.	0.4	4
70	Impact of eddies on ocean diapycnal mixing in Gulf Stream region. <i>Science China Earth Sciences</i> , 2014, 57, 1407-1414.	2.3	4
71	A darkâ€tolerant diatom ( <i>Chaetoceros</i> ) cultured from the deep sea. <i>Journal of Phycology</i> , 2022, 58, 208-218.	1.0	4
72	A modified method to estimate eddy diffusivity in the North Pacific using altimeter eddy statistics. <i>Chinese Journal of Oceanology and Limnology</i> , 2013, 31, 925-933.	0.7	3

#	ARTICLE	IF	CITATIONS
73	Reply to: "Questions remain about the biolability of dissolved black carbon along the combustion continuum". Nature Communications, 2021, 12, 4282.	5.8	3
74	Non-Local Energy Dissipation of Lee Waves and Turbulence in the South China Sea. Journal of Geophysical Research: Oceans, 2022, 127, .	1.0	3
75	Sea experiments of the Underway Conductivity-Temperature-Depth prototype made in China. Journal of Ocean University of China, 2009, 8, 409-415.	0.6	2
76	Turbulent dissipation and mixing in Prydz Bay. Chinese Journal of Oceanology and Limnology, 2013, 31, 445-453.	0.7	2
77	Shoaling of the internal solitary waves over the continental shelf of the northern South China Sea. Acta Oceanologica Sinica, 2015, 34, 35-42.	0.4	2
78	Circulation Driven by Multihump Turbulent Mixing Over a Seamount in the South China Sea. Frontiers in Marine Science, 2022, 8, .	1.2	2
79	Estimates of global M <sub>2</sub> internal tide energy fluxes using TOPEX/POSEIDON altimeter data. Chinese Journal of Oceanology and Limnology, 2009, 27, 129-134.	0.7	1
80	Formation mechanism of the moniliform seamounts outside the West Melanesian Trench. Geological Journal, 2018, 53, 1604-1610.	0.6	1
81	Impacts of subtidal motions and the earth rotation on modal characteristics of the semidiurnal internal tide. Journal of Oceanography, 2020, 76, 15-27.	0.7	1
82	A new inverse method and application to ocean data. Science in China Series D: Earth Sciences, 2001, 44, 490-497.	0.9	0