

Shuiming Chen

List of Publications by Year in descending order

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54
papers

3,731
citations

117625

34
h-index

161849

54
g-index

54
all docs

54
docs citations

54
times ranked

2228
citing authors

#	ARTICLE	IF	CITATIONS
1	Bi-Directional Energy Cascades in the Pacific Ocean From Equator to Subarctic Gyre. <i>Geophysical Research Letters</i> , 2022, 49, .	4.0	9
2	Sea Surface Height Variability in the 30–120 km Wavelength Band From Altimetry Along-Track Observations. <i>Journal of Geophysical Research: Oceans</i> , 2021, 126, e2021JC017284.	2.6	8
3	Time-Varying Upper Ocean Circulation and Control of Coral Bleaching in the Western Tropical Pacific. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL093632.	4.0	2
4	Period-Lengthening of the Mindanao Current Variability From the Long-Term Tide Gauge Sea Level Measurements. <i>Journal of Geophysical Research: Oceans</i> , 2021, 126, e2020JC016932.	2.6	2
5	Reconstructing Upper-Ocean Vertical Velocity Field from Sea Surface Height in the Presence of Unbalanced Motion. <i>Journal of Physical Oceanography</i> , 2020, 50, 55-79.	1.7	44
6	On the Reset of the Wind-Forced Decadal Kuroshio Extension Variability in Late 2017. <i>Journal of Climate</i> , 2020, 33, 10813-10828.	3.2	32
7	Diagnosing Ocean-Wave-Turbulence Interactions From Space. <i>Geophysical Research Letters</i> , 2019, 46, 8933-8942.	4.0	8
8	Decomposition of the Multimodal Multidirectional M2 Internal Tide Field. <i>Journal of Atmospheric and Oceanic Technology</i> , 2019, 36, 1157-1173.	1.3	16
9	On the Spatial Scales to be Resolved by the Surface Water and Ocean Topography Ka-Band Radar Interferometer. <i>Journal of Atmospheric and Oceanic Technology</i> , 2019, 36, 87-99.	1.3	50
10	Nonlinear Short-Term Upper Ocean Circulation Variability in the Tropical Western Pacific. <i>Oceanography</i> , 2019, 32, 22-31.	1.0	14
11	Seasonality in Transition Scale from Balanced to Unbalanced Motions in the World Ocean. <i>Journal of Physical Oceanography</i> , 2018, 48, 591-605.	1.7	132
12	Partitioning Ocean Motions Into Balanced Motions and Internal Gravity Waves: A Modeling Study in Anticipation of Future Space Missions. <i>Journal of Geophysical Research: Oceans</i> , 2018, 123, 8084-8105.	2.6	126
13	Interannual Modulations of the 50-Day Oscillations in the Celebes Sea: Dynamics and Impact. <i>Journal of Geophysical Research: Oceans</i> , 2018, 123, 4666-4679.	2.6	9
14	Submesoscale transition from geostrophic flows to internal waves in the northwestern Pacific upper ocean. <i>Nature Communications</i> , 2017, 8, 14055.	12.8	98
15	On the Decadal Variability of the Eddy Kinetic Energy in the Kuroshio Extension. <i>Journal of Physical Oceanography</i> , 2017, 47, 1169-1187.	1.7	50
16	Dynamical Links between the Decadal Variability of the Oyashio and Kuroshio Extensions. <i>Journal of Climate</i> , 2017, 30, 9591-9605.	3.2	54
17	Interannual and interdecadal variability of the North Equatorial Countercurrent in the Western Pacific. <i>Journal of Geophysical Research: Oceans</i> , 2016, 121, 7743-7758.	2.6	24
18	Reconstructability of Three-Dimensional Upper-Ocean Circulation from SWOT Sea Surface Height Measurements. <i>Journal of Physical Oceanography</i> , 2016, 46, 947-963.	1.7	54

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19	A New Paradigm for the North Pacific Subthermocline Low-Latitude Western Boundary Current System. <i>Journal of Physical Oceanography</i> , 2015, 45, 2407-2423.	1.7	39
20	The Pacific North Equatorial Current: New Insights from the Origins of the Kuroshio and Mindanao Currents (OKMC) Project. <i>Oceanography</i> , 2015, 28, 24-33.	1.0	53
21	Seasonal eddy kinetic energy modulations along the North Equatorial Countercurrent in the western Pacific. <i>Journal of Geophysical Research: Oceans</i> , 2015, 120, 6351-6362.	2.6	26
22	Wind- versus Eddy-Forced Regional Sea Level Trends and Variability in the North Pacific Ocean. <i>Journal of Climate</i> , 2015, 28, 1561-1577.	3.2	53
23	Seasonal Mesoscale and Submesoscale Eddy Variability along the North Pacific Subtropical Countercurrent. <i>Journal of Physical Oceanography</i> , 2014, 44, 3079-3098.	1.7	153
24	A Coupled Decadal Prediction of the Dynamic State of the Kuroshio Extension System. <i>Journal of Climate</i> , 2014, 27, 1751-1764.	3.2	173
25	Concurrent Decadal Mesoscale Eddy Modulations in the Western North Pacific Subtropical Gyre. <i>Journal of Physical Oceanography</i> , 2013, 43, 344-358.	1.7	62
26	Generation of the North Equatorial Undercurrent Jets by Triad Baroclinic Rossby Wave Interactions. <i>Journal of Physical Oceanography</i> , 2013, 43, 2682-2698.	1.7	69
27	Quasi-stationary North Equatorial Undercurrent jets across the tropical North Pacific Ocean. <i>Geophysical Research Letters</i> , 2013, 40, 2183-2187.	4.0	79
28	Multidecadal Sea Level and Gyre Circulation Variability in the Northwestern Tropical Pacific Ocean. <i>Journal of Physical Oceanography</i> , 2012, 42, 193-206.	1.7	166
29	Time-varying parametric subharmonic instability from repeat CTD surveys in the northwestern Pacific Ocean. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	14
30	Effect of Decadal Kuroshio Extension Jet and Eddy Variability on the Modification of North Pacific Intermediate Water. <i>Journal of Physical Oceanography</i> , 2011, 41, 503-515.	1.7	68
31	Interannual Variability of the North Pacific Subtropical Countercurrent and Its Associated Mesoscale Eddy Field. <i>Journal of Physical Oceanography</i> , 2010, 40, 213-225.	1.7	195
32	Mesoscale eddies northeast of the Hawaiian archipelago from satellite altimeter observations. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	11
33	Interannual-to-Decadal Variability in the Bifurcation of the North Equatorial Current off the Philippines. <i>Journal of Physical Oceanography</i> , 2010, 40, 2525-2538.	1.7	217
34	The Kuroshio Extension and its recirculation gyres. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2009, 56, 2088-2099.	1.4	64
35	Source of the 70-Day Mesoscale Eddy Variability in the Coral Sea and the North Fiji Basin*. <i>Journal of Physical Oceanography</i> , 2009, 39, 404-420.	1.7	36
36	The Kuroshio Extension Front from satellite sea surface temperature measurements. <i>Journal of Oceanography</i> , 2008, 64, 891-897.	1.7	30

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37	Program Studies the Kuroshio Extension. <i>Eos</i> , 2008, 89, 161-162.	0.1	40
38	The Kuroshio Extension Northern Recirculation Gyre: Profiling Float Measurements and Forcing Mechanism. <i>Journal of Physical Oceanography</i> , 2008, 38, 1764-1779.	1.7	45
39	Length Scales of Eddy Generation and Nonlinear Evolution of the Seasonally Modulated South Pacific Subtropical Countercurrent. <i>Journal of Physical Oceanography</i> , 2008, 38, 1515-1528.	1.7	56
40	Coupled Decadal Variability in the North Pacific: An Observationally Constrained Idealized Model*. <i>Journal of Climate</i> , 2007, 20, 3602-3620.	3.2	112
41	Effect of Mesoscale Eddies on Subtropical Mode Water Variability from the Kuroshio Extension System Study (KESS). <i>Journal of Physical Oceanography</i> , 2007, 37, 982-1000.	1.7	111
42	Profiling float measurements of the recirculation gyre south of the Kuroshio Extension in May to November 2004. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	9
43	Solutions of linear ordinary differential equations with non-singular varying coefficients by using the corrected Fourier series. <i>Applied Mathematics and Computation</i> , 2007, 187, 765-776.	2.2	4
44	Currents in the Aleutian Basin and subarctic North Pacific near the dateline in summer 1993. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	7
45	Annual variations in sea surface height northeast of the Hawaiian Islands. <i>Geophysical Research Letters</i> , 2006, 33, .	4.0	2
46	Observations of the Subtropical Mode Water Evolution from the Kuroshio Extension System Study. <i>Journal of Physical Oceanography</i> , 2006, 36, 457-473.	1.7	85
47	Decadal Variability in the Large-Scale Sea Surface Height Field of the South Pacific Ocean: Observations and Causes. <i>Journal of Physical Oceanography</i> , 2006, 36, 1751-1762.	1.7	91
48	Decadal Variability in the Formation of the North Pacific Subtropical Mode Water: Oceanic versus Atmospheric Control. <i>Journal of Physical Oceanography</i> , 2006, 36, 1365-1380.	1.7	135
49	Corrected Fourier series and its application to function approximation. <i>International Journal of Mathematics and Mathematical Sciences</i> , 2005, 2005, 33-42.	0.7	7
50	Variability of the Kuroshio Extension Jet, Recirculation Gyre, and Mesoscale Eddies on Decadal Time Scales. <i>Journal of Physical Oceanography</i> , 2005, 35, 2090-2103.	1.7	465
51	Eddy-Induced Heat Transport in the Subtropical North Pacific from Argo, TMI, and Altimetry Measurements. <i>Journal of Physical Oceanography</i> , 2005, 35, 458-473.	1.7	136
52	Seasonal variability of the South Equatorial Countercurrent. <i>Journal of Geophysical Research</i> , 2004, 109, n/a-n/a.	3.3	40
53	Seasonal Modulations in the Eddy Field of the South Pacific Ocean. <i>Journal of Physical Oceanography</i> , 2004, 34, 1515-1527.	1.7	129
54	Absolute geostrophic velocity within the Subantarctic Front in the Pacific Ocean. <i>Journal of Geophysical Research</i> , 2001, 106, 19869-19882.	3.3	17