Shoshiro Minobe

List of Publications by Year
in descending order

85 papers	6,676 citations	117571 34 h-index	64755 79 g-index
88 all docs	88 docs citations	88 times ranked	6296 citing authors

#	Article	IF	Citations
1	Marine Heatwave of Sea Surface Temperature of the Oyashio Region in Summer in 2010â€“2016. Frontiers in Marine Science, 2021, 7, .	1.2	42
2	From the Perspective on Climate Change and Variability. Trends in the Sciences, 2021, 26, 1_28-1_34.	0.0	0
3	Sea surface temperature predictability in the North Pacific from multi-model seasonal forecast. Journal of Oceanography, 2021, 77, 897.	0.7	3
4	Mechanisms of Future Changes in Equatorial Upwelling: CMIP5 Intermodel Analysis. Journal of Climate, 2020, 33, 497-510.	1.2	13
5	Marine Ecosystem Variations Over the North Pacific and Their Linkage to Large-Scale Climate Variability and Change. Frontiers in Marine Science, 2020, 7, .	1.2	14
6	Relations between Interannual Variability of Regional-Scale Indonesian Precipitation and Large-Scale Climate Modes during 1960â€“2007. Journal of Climate, 2020, 33, 5271-5291.	1.2	15
7	Insights from Earth system model initial-condition large ensembles and future prospects. Nature Climate Change, 2020, 10, 277-286.	8.1	436
8	Diurnal Cycles of Precipitation and Lightning in the Tropics Observed by TRMM3G68, GSMaP, LIS, and WWLLN. Journal of Climate, 2020, 33, 4293-4313.	1.2	11
9	Influence of model resolution on bomb cyclones revealed by HighResMIP-PRIMAVERA simulations. Environmental Research Letters, 2020, 15, 084001.	2.2	12
10	Origin of intraseasonal variability in the eastern equatorial Indian Ocean: intrinsic variability and local and remote wind stress forcings. Journal of Oceanography, 2019, 75, 119-137.	0.7	3
11	Towards Comprehensive Observing and Modeling Systems for Monitoring and Predicting Regional to Coastal Sea Level. Frontiers in Marine Science, 2019, 6, .	1.2	51
12	Sea Level and the Role of Coastal Trapped Waves in Mediating the Influence of the Open Ocean on the Coast. Surveys in Geophysics, 2019, 40, 1467-1492.	2.1	55
13	Uncertainties in Long-Term Twenty-First Century Process-Based Coastal Sea-Level Projections. Surveys in Geophysics, 2019, 40, 1655-1671.	2.1	24
14	Simulating the Midlatitude Atmospheric Circulation: What Might We Gain From High-Resolution Modeling of Air-Sea Interactions?. Current Climate Change Reports, 2019, 5, 390-406.	2.8	35
15	Ocean Climate Observing Requirements in Support of Climate Research and Climate Information. Frontiers in Marine Science, 2019, 6, .	1.2	12
16	Mechanisms of Lowâ€Frequency Oxygen Variability in the North Pacific. Global Biogeochemical Cycles, 2019, 33, 110-124.	1.9	17
17	Challenges and opportunities for improved understanding of regional climate dynamics. Nature Climate Change, 2018, 8, 101-108.	8.1	56
18	Projected sea level rise, gyre circulation and water mass formation in the western North Pacific: CMIP5 inter-model analysis. Climate Dynamics, 2018, 50, 4767-4782.	1.7	8

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19	Interannual to Decadal Variability of the Upper-Ocean Heat Content in the Western North Pacific and Its Relationship to Oceanic and Atmospheric Variability. Journal of Climate, 2018, 31, 5107-5125.	1.2	12
20	The Benefits of Global High Resolution for Climate Simulation: Process Understanding and the Enabling of Stakeholder Decisions at the Regional Scale. Bulletin of the American Meteorological Society, 2018, 99, 2341-2359.	1.7	107
21	Storm-Track Response to SST Fronts in the Northwestern Pacific Region in an AGCM. Journal of Climate, 2017, 30, 1081-1102.	1.2	103
22	Western Boundary Sea Level: A Theory, Rule of Thumb, and Application to Climate Models. Journal of Physical Oceanography, 2017, 47, 957-977.	0.7	31
23	Sea Level Variability around Japan during the Twentieth Century Simulated by a Regional Ocean Model. Journal of Climate, 2017, 30, 5585-5595.	1.2	16
24	Upper ocean O₂ trends: 1958â€“2015. Geophysical Research Letters, 2017, 44, 4214-4223.	1.5	133
25	The Gulf Stream influence on wintertime North Atlantic jet variability. Quarterly Journal of the Royal Meteorological Society, 2017, 143, 173-183.	1.0	52
26	AIRâ€“SEA INTERACTION OVER THE WESTERN BOUNDARY CURRENTS IN THE WESTERN NORTH PACIFIC. World Scientific Series on Asia-Pacific Weather and Climate, 2016, , 187-211.	0.2	6
27	The atmospheric frontal response to SST perturbations in the Gulf Stream region. Geophysical Research Letters, 2016, 43, 2299-2306.	1.5	89
28	Dynamical downscaling of future sea level change in the western North Pacific using ROMS. Journal of Oceanography, 2016, 72, 905-922.	0.7	43
29	An eastâ€•west contrast of upper ocean heat content variation south of the subpolar front in the East/Japan Sea. Journal of Geophysical Research: Oceans, 2016, 121, 6418-6443.	1.0	16
30	Influence of the Kuroshio on Mesoscale Convective Systems in the Baiu Frontal Zone over the East China Sea. Monthly Weather Review, 2016, 144, 1017-1033.	0.5	16
31	The influence of the Gulf Stream on wintertime European blocking. Climate Dynamics, 2016, 47, 1545-1567.	1.7	53
32	The Pacific Decadal Oscillation, Revisited. Journal of Climate, 2016, 29, 4399-4427.	1.2	877
33	Climatological mean features and interannual to decadal variability of ring formations in the Kuroshio Extension region. , 2016, , 31-41.		2
34	â€œHot Spotsâ€•in the climate systemâ€”new developments in the extratropical oceanâ€“atmosphere interaction research: a short review and an introduction. Journal of Oceanography, 2015, 71, 463-467.	0.7	20
35	Diagnostics for Near-Surface Wind Response to the Gulf Stream in a Regional Atmospheric Model*. Journal of Climate, 2015, 28, 238-255.	1.2	19
36	Climatological mean features and interannual to decadal variability of ring formations in the Kuroshio Extension region. Journal of Oceanography, 2015, 71, 499-509.	0.7	32

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37	Oceanic influence on the Baiu frontal zone in the East China Sea. Journal of Geophysical Research D: Atmospheres, 2015, 120, 449-463.	1.2	17
38	Diurnal precipitation and high cloud frequency variability over the Gulf Stream and over the Kuroshio. Climate Dynamics, 2015, 44, 2079-2095.	1.7	16
39	Transient and local weakening of surface winds observed above the Kuroshio front in the winter East China Sea. Journal of Geophysical Research D: Atmospheres, 2014, 119, 1277-1291.	1.2	7
40	Decadal seaâ€level variability along the coast of Japan in response to ocean circulation changes. Journal of Geophysical Research: Oceans, 2014, 119, 266-275.	1.0	38
41	Analytical studies from processes to decadal scale air-sea coupled variability. Oceanography in Japan, 2014, 23, 147-169.	0.5	0
42	Southward Eddy Heat Transport Occurring along Southern Flanks of the Kuroshio Extension and the Gulf Stream in a 1/10Â° Global Ocean General Circulation Model. Journal of Physical Oceanography, 2013, 43, 1899-1910.	0.7	20
43	Decadal Response of the Kuroshio Extension Jet to Rossby Waves: Observation and Thin-Jet Theory*. Journal of Physical Oceanography, 2013, 43, 442-456.	0.7	70
44	Decadal Vision in Oceanography (I). Oceanography in Japan, 2013, 22, 191-218.	0.5	8
45	Response of Storm Tracks to Bimodal Kuroshio Path States South of Japan. Journal of Climate, 2012, 25, 7772-7779.	1.2	82
46	Influence of the Kuroshio in the East China Sea on the Early Summer (Baiu) Rain. Journal of Climate, 2012, 25, 6627-6645.	1.2	83
47	Decadal variability of the upper ocean heat content in the East/Japan Sea and its possible relationship to northwestern Pacific variability. Journal of Geophysical Research, 2012, 117, .	3.3	27
48	Diagnostics for nearâ€surface wind convergence/divergence response to the Gulf Stream in a regional atmospheric model. Atmospheric Science Letters, 2012, 13, 16-21.	0.8	35
49	Global analysis of the pressure adjustment mechanism over sea surface temperature fronts using AIRS/Aqua data. Geophysical Research Letters, 2011, 38, n/a-n/a.	1.5	54
50	Permanent El NiÃ±o during the Pliocene warm period not supported by coral evidence. Nature, 2011, 471, 209-211.	13.7	119
51	Reproductive success of planktivorous seabirds in the North Pacific is related to ocean climate on decadal scales. Marine Ecology - Progress Series, 2011, 424, 205-218.	0.9	24
52	Precipitation Response to the Gulf Stream in an Atmospheric GCM*. Journal of Climate, 2010, 23, 3676-3698.	1.2	81
53	Coupled Oceanâ€“Atmosphere Response to Idealized Freshwater Forcing over the Western Tropical Pacific. Journal of Climate, 2010, 23, 1945-1954.	1.2	11
54	Interannual variability of the Korea Strait Bottom Cold Water and its relationship with the upper water temperatures and atmospheric forcing in the Sea of Japan (East Sea). Journal of Geophysical Research, 2010, 115, .	3.3	17

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55	A semi-analytical model of barotropic and baroclinic flows for an open Panama Gateway. Dynamics of Atmospheres and Oceans, 2010, 50, 55-77.	0.7	0
56	Atmospheric Response to the Gulf Stream: Seasonal Variations*. Journal of Climate, 2010, 23, 3699-3719.	1.2	155
57	Climate-forced seasonal mismatch between the hatching of rhinoceros auklets and the availability of anchovy. Marine Ecology - Progress Series, 2009, 393, 259-271.	0.9	58
58	Influence of the Gulf Stream on the troposphere. Nature, 2008, 452, 206-209.	13.7	635
59	North Pacific regime shifts: Definitions, issues and recent transitions. Progress in Oceanography, 2008, 77, 92-102.	1.5	200
60	Responses of piscivorous seabirds at the Pribilof Islands to ocean climate. Deep-Sea Research Part II: Topical Studies in Oceanography, 2008, 55, 1856-1867.	0.6	56
61	Airâ€“sea interaction over ocean fronts and eddies. Dynamics of Atmospheres and Oceans, 2008, 45, 274-319.	0.7	615
62	Decadal Sea Level Variability in the South Pacific in a Global Eddy-Resolving Ocean Model Hindcast. Journal of Physical Oceanography, 2008, 38, 1731-1747.	0.7	55
63	Autumn atmospheric preconditioning for interannual variability of wintertime sea-ice in the Okhotsk Sea. Journal of Oceanography, 2007, 63, 255-265.	0.7	16
64	Intraseasonal variability of sea-ice concentration in the Antarctic with particular emphasis on wind effect. Journal of Geophysical Research, 2006, 111, .	3.3	10
65	A 1Â° monthly gridded sea-surface temperature dataset compiled from ICOADS from 1850 to 2002 and Northern Hemisphere frontal variability. International Journal of Climatology, 2005, 25, 881-894.	1.5	25
66	Seasonally dependent interannual variability of sea ice in the Bering Sea and its relation to atmospheric fluctuations. Journal of Geophysical Research, 2005, 110, .	3.3	20
67	North Pacific halocline and cold climate induced by Panamanian Gateway closure in a coupled ocean-atmosphere GCM. Geophysical Research Letters, 2005, 32, .	1.5	24
68	Moisture Balance for Bidecadal Variability of Wintertime Precipitation in the North Pacific Using NCEP/NCAR Reanalysis. Journal of the Meteorological Society of Japan, 2005, 83, 453-469.	0.7	4
69	Numerical Experiments of Isolated Convection under Polynya. Journal of Oceanography, 2004, 60, 927-943.	0.7	5
70	Interannual to decadal variability in the southern Okhotsk Sea based on a new gridded upper water temperature data set. Journal of Geophysical Research, 2004, 109, .	3.3	11
71	Generation of interannual and interdecadal climate oscillations through nonlinear subharmonic resonance in delayed oscillators. Geophysical Research Letters, 2004, 31, .	1.5	9
72	Interannual to Interdecadal Variability in the Japan Sea Based on a New Gridded Upper Water Temperature Dataset. Journal of Physical Oceanography, 2004, 34, 2382-2397.	0.7	76

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73	Year-To-Year Variability in the Hadley and Walker Circulations from NCEP/NCAR Reanalysis Data. Advances in Global Change Research, 2004, , 153-171.	1.6	6
74	Maximal Wavelet Filter and Its Application to Bidecadal Oscillation over the Northern Hemisphere through the Twentieth Century. Journal of Climate, 2002, 15, 1064-1075.	1.2	27
75	Global structure of Bidecadal precipitation variability in boreal winter. Geophysical Research Letters, 2002, 29, 35-1-35-4.	1.5	19
76	Interannual to interdecadal changes in the Bering Sea and concurrent 1998/99 changes over the North Pacific. Progress in Oceanography, 2002, 55, 45-64.	1.5	81
77	Buoyancy- and Wind-Driven Circulation in an Extended Model of Potential Vorticity Homogenization. Journal of Physical Oceanography, 2000, 30, 2391-2403.	0.7	3
78	Spatio-temporal structure of the pentadecadal variability over the North Pacific. Progress in Oceanography, 2000, 47, 381-408.	1.5	189
79	Interdecadal variations in Japanese sardine and ocean/climate. Fisheries Oceanography, 1999, 8, 18-24.	0.9	81
80	Interdecadal modulation of interannual atmospheric and oceanic variability over the North Pacific. Progress in Oceanography, 1999, 43, 163-192.	1.5	73
81	Resonance in bidecadal and pentadecadal climate oscillations over the North Pacific: Role in climatic regime shifts. Geophysical Research Letters, 1999, 26, 855-858.	1.5	326
82	A 50-70 year climatic oscillation over the North Pacific and North America. Geophysical Research Letters, 1997, 24, 683-686.	1.5	691
83	Detection of an Annual Westward Propagating Signal in the Meridional Wind Component along 8Â°N in the Pacific. Journal of Climate, 1996, 9, 1661-1668.	1.2	3
84	Annual period equatorial waves in the Pacific Ocean. Journal of Geophysical Research, 1995, 100, 18379.	3.3	18
85	Challenges and opportunities for improved understanding of regional climate dynamics. , 0, .		1