

# Shuhe Masuda

## List of Publications by Year in descending order

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Version: 2024-02-01

53  
papers

1,302  
citations

361413

20  
h-index

361022

35  
g-index

55  
all docs

55  
docs citations

55  
times ranked

1626  
citing authors

#	ARTICLE	IF	CITATIONS
1	Ocean mixing processes (OMIX): impact on biogeochemistry, climate and ecosystem. Journal of Oceanography, 2021, 77, 1-1.	1.7	4
2	Ocean state estimations for synthesis of ocean-mixing observations. Journal of Oceanography, 2021, 77, 359-366.	1.7	4
3	Determining subsurface oceanic changes in the Indian sector of the Southern Ocean using Argo float data. Polar Science, 2020, 23, 100498.	1.2	0
4	Identification of skipjack tuna ( <i>Katsuwonus pelamis</i> ) pelagic hotspots applying a satellite remote sensing-driven analysis of ecological niche factors: A short-term run. PLoS ONE, 2020, 15, e0237742.	2.5	7
5	Estimating the population mean for a vertical profile of energy dissipation rate. Scientific Reports, 2020, 10, 20414.	3.3	2
6	Dynamical Ocean Response Controlling the Eastward Movement of a Heat Content Anomaly Caused by the 18.6-Year Modulation of Localized Tidally Induced Mixing. Journal of Geophysical Research: Oceans, 2020, 125, e2019JC015513.	2.6	8
7	Observing System Evaluation Based on Ocean Data Assimilation and Prediction Systems: On-Going Challenges and a Future Vision for Designing and Supporting Ocean Observational Networks. Frontiers in Marine Science, 2019, 6, .	2.5	61
8	Relations between salinity in the northwestern Bering Sea, the Bering Strait throughflow and sea surface height in the Arctic Ocean. Journal of Oceanography, 2018, 74, 239-261.	1.7	6
9	Deep-float salinity data synthesis for deep ocean state estimation: method and impact. Progress in Earth and Planetary Science, 2018, 5, .	3.0	1
10	Steric sea level variability (1993–2010) in an ensemble of ocean reanalyses and objective analyses. Climate Dynamics, 2017, 49, 709-729.	3.8	48
11	Possible link between interannual variation of neon flying squid ( <i>Ommastrephes bartramii</i> ) abundance in the North Pacific and the climate phase shift in 1998/1999. Progress in Oceanography, 2017, 150, 20-34.	3.2	25
12	Intercomparison and validation of the mixed layer depth fields of global ocean syntheses. Climate Dynamics, 2017, 49, 753-773.	3.8	52
13	Ocean heat content variability and change in an ensemble of ocean reanalyses. Climate Dynamics, 2017, 49, 909-930.	3.8	88
14	An assessment of upper ocean salinity content from the Ocean Reanalyses Inter-comparison Project (ORA-IP). Climate Dynamics, 2017, 49, 1009-1029.	3.8	21
15	Impact of in-consistency between the climate model and its initial conditions on climate prediction. Climate Dynamics, 2017, 49, 1061-1075.	3.8	6
16	Japanese studies of ocean data assimilation: milestones over the past 20 years and future perspectives. Oceanography in Japan, 2017, 26, 15-43.	0.5	1
17	Improved ocean state estimation by controlling ocean-mixing: toward synthesis of ocean-mixing observations. Oceanography in Japan, 2017, 26, 209-215.	0.5	0
18	Multiyear climate prediction with initialization based on 4D-Var data assimilation. Geophysical Research Letters, 2016, 43, 3903-3910.	4.0	22

#	ARTICLE	IF	CITATIONS
19	Multidecadal change in the dissolved inorganic carbon in a long-term ocean state estimation. Journal of Advances in Modeling Earth Systems, 2015, 7, 1885-1900.	3.8	13
20	Evaluation of the Tropical Pacific Observing System from the ocean data assimilation perspective. Quarterly Journal of the Royal Meteorological Society, 2015, 141, 2481-2496.	2.7	28
21	A new Approach to El Niño Prediction beyond the Spring Season. Scientific Reports, 2015, 5, 16782.	3.3	12
22	Evaluation of the applicability of the Estimated State of the Global Ocean for Climate Research (ESTOC) data set. Geophysical Research Letters, 2015, 42, 4903-4911.	4.0	28
23	Argo data assimilation and its effect on climate state estimation and forecasting in the western North Pacific using a coupled model. Journal of Geophysical Research: Oceans, 2015, 120, 2636-2654.	2.6	1
24	An improved simulation of the deep Pacific Ocean using optimally estimated vertical diffusivity based on the Green's function method. Geophysical Research Letters, 2015, 42, 9916-9924.	4.0	9
25	Wind-induced stock variation of the neon flying squid ( <i>Ommastrephes bartramii</i> ) winter-spring cohort in the subtropical North Pacific Ocean. Fisheries Oceanography, 2015, 24, 229-241.	1.7	21
26	The Ocean Reanalyses Intercomparison Project (ORA-IP). Journal of Operational Oceanography, 2015, 8, s80-s97.	1.2	169
27	Effective Design of Profiling Float Network for Oceanic Heat-Content Monitoring. Scientific World Journal, The, 2014, 2014, 1-6.	2.1	1
28	An Observing System Simulation Experiment for the Western North Pacific Region. Scientific World Journal, The, 2014, 2014, 1-6.	2.1	2
29	Improvement of Ocean State Estimation by Assimilating Mapped Argo Drift Data. Scientific World Journal, The, 2014, 2014, 1-6.	2.1	0
30	A Framework for Interpreting Regularized State Estimation. Monthly Weather Review, 2014, 142, 386-400.	1.4	5
31	Role of the oceanic bridge in linking the 18.6 year modulation of tidal mixing and long-term SST change in the North Pacific. Geophysical Research Letters, 2014, 41, 7284-7290.	4.0	14
32	Variability in Southern Hemisphere Ocean Circulation from the 1980s to the 2000s. Journal of Physical Oceanography, 2013, 43, 1981-2007.	1.7	6
33	Improved state estimations of lower trophic ecosystems in the global ocean based on a Green's function approach. Progress in Oceanography, 2013, 119, 90-107.	3.2	24
34	Methods and Applications of Ocean Synthesis in Climate Research. International Geophysics, 2013, , 581-608.	0.6	5
35	Diapycnal and Isopycnal Transports in the Southern Ocean Estimated by a Box Inverse Model. Journal of Physical Oceanography, 2013, 43, 2270-2287.	1.7	14
36	Monsoon regulation of Lombok Strait internal waves. Journal of Geophysical Research, 2011, 116, .	3.3	25

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37	Deep ocean heat content changes estimated from observation and reanalysis product and their influence on sea level change. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	104
38	Interannual variability of North Pacific eastern subtropical mode water formation in the 1990s derived from a 4-dimensional variational ocean data assimilation experiment. <i>Dynamics of Atmospheres and Oceans</i> , 2011, 51, 1-25.	1.8	16
39	Impact of the Assimilation of Sea Ice Concentration Data on an Atmosphere-Ocean-Sea Ice Coupled Simulation of the Arctic Ocean Climate. <i>Scientific Online Letters on the Atmosphere</i> , 2011, 7, 37-40.	1.4	8
40	Simulated Rapid Warming of Abyssal North Pacific Waters. <i>Science</i> , 2010, 329, 319-322.	12.6	116
41	High-resolution synthetic monitoring by a 4-dimensional variational data assimilation system in the northwestern North Pacific. <i>Journal of Marine Systems</i> , 2009, 78, 237-248.	2.1	29
42	A possible role for unstable coupled waves affected by resonance between Kelvin waves and seasonal warming in the development of the strong 1997-1998 El Niño. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2009, 56, 495-512.	1.4	10
43	Potential for decadal predictability in the North Pacific region. <i>Geophysical Research Letters</i> , 2009, 36, .	4.0	14
44	Temporal evolution of the equatorial thermocline associated with the 1991-2006 ENSO. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	12
45	Development of a four-dimensional variational coupled data assimilation system for enhanced analysis and prediction of seasonal to interannual climate variations. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	101
46	Improved coupled GCM climatologies for summer monsoon onset studies over Southeast Asia. <i>Geophysical Research Letters</i> , 2007, 34, .	4.0	14
47	Interannual variability of temperature inversions in the subarctic North Pacific. <i>Geophysical Research Letters</i> , 2006, 33, .	4.0	25
48	State Estimation of the North Pacific Ocean by a Four-Dimensional Variational Data Assimilation Experiment. <i>Journal of Oceanography</i> , 2003, 59, 931-943.	1.7	27
49	Improved estimates of the dynamical state of the North Pacific Ocean from a 4 dimensional variational data assimilation. <i>Geophysical Research Letters</i> , 2003, 30, .	4.0	38
50	Improving Computational Efficiency of 4D-VAR System for Global Ocean Circulation Study. , 2003, , 87-92.		2
51	Role of the ocean in the decadal climate change in the North Pacific. <i>Journal of Geophysical Research</i> , 2002, 107, 17-1-17-18.	3.3	6
52	Effects of Stratification and Bottom Topography on the Kuroshio Path Variation South of Japan. Part II: Path Transitions in a Multiple Equilibrium Regime. <i>Journal of Physical Oceanography</i> , 2000, 30, 1431-1449.	1.7	19
53	Effects of Stratification and Bottom Topography on the Kuroshio Path Variation South of Japan. Part I: Dependence of the Path Selection on Velocity. <i>Journal of Physical Oceanography</i> , 1999, 29, 2419-2431.	1.7	28