

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	The Ocean Reanalyses Intercomparison Project (ORA-IP). <i>Journal of Operational Oceanography</i> , 2015, 8, s80-s97.	1.2	169
2	Simulated Rapid Warming of Abyssal North Pacific Waters. <i>Science</i> , 2010, 329, 319-322.	12.6	116
3	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
4	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
5	Ocean heat content variability and change in an ensemble of ocean reanalyses. <i>Climate Dynamics</i> , 2017, 49, 909-930.	3.8	88
6	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. <i>Frontiers in Marine Science</i> , 2019, 6, .	2.5	61
7	Intercomparison and validation of the mixed layer depth fields of global ocean syntheses. <i>Climate Dynamics</i> , 2017, 49, 753-773.	3.8	52
8	Steric sea level variability (1993–2010) in an ensemble of ocean reanalyses and objective analyses. <i>Climate Dynamics</i> , 2017, 49, 709-729.	3.8	48
9	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
10	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
11	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
12	Evaluation of the Tropical Pacific Observing System from the ocean data assimilation perspective. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2015, 141, 2481-2496.	2.7	28
13	Evaluation of the applicability of the Estimated State of the Global Ocean for Climate Research (ESTOC) data set. <i>Geophysical Research Letters</i> , 2015, 42, 4903-4911.	4.0	28
14	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
15	Interannual variability of temperature inversions in the subarctic North Pacific. <i>Geophysical Research Letters</i> , 2006, 33, .	4.0	25
16	Monsoon regulation of Lombok Strait internal waves. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	25
17	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. <i>Progress in Oceanography</i> , 2017, 150, 20-34.	3.2	25
18	Improved state estimations of lower trophic ecosystems in the global ocean based on a Green's function approach. <i>Progress in Oceanography</i> , 2013, 119, 90-107.	3.2	24

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19	Multiyear climate prediction with initialization based on 4DVar data assimilation. <i>Geophysical Research Letters</i> , 2016, 43, 3903-3910.	4.0	22
20	Wind-induced stock variation of the neon flying squid (<i>Ommastrephes bartramii</i>) winter-spring cohort in the subtropical North Pacific Ocean. <i>Fisheries Oceanography</i> , 2015, 24, 229-241.	1.7	21
21	An assessment of upper ocean salinity content from the Ocean Reanalyses Inter-comparison Project (ORA-IP). <i>Climate Dynamics</i> , 2017, 49, 1009-1029.	3.8	21
22	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
23	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
24	Improved coupled GCM climatologies for summer monsoon onset studies over Southeast Asia. <i>Geophysical Research Letters</i> , 2007, 34, .	4.0	14
25	Potential for decadal predictability in the North Pacific region. <i>Geophysical Research Letters</i> , 2009, 36, .	4.0	14
26	Diapycnal and Isopycnal Transports in the Southern Ocean Estimated by a Box Inverse Model. <i>Journal of Physical Oceanography</i> , 2013, 43, 2270-2287.	1.7	14
27	Role of the oceanic bridge in linking the 18.6 year modulation of tidal mixing and long-term SST change in the North Pacific. <i>Geophysical Research Letters</i> , 2014, 41, 7284-7290.	4.0	14
28	Multidecadal change in the dissolved inorganic carbon in a long-term ocean state estimation. <i>Journal of Advances in Modeling Earth Systems</i> , 2015, 7, 1885-1900.	3.8	13
29	Temporal evolution of the equatorial thermocline associated with the 1991-2006 ENSO. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	12
30	A new Approach to El Niño Prediction beyond the Spring Season. <i>Scientific Reports</i> , 2015, 5, 16782.	3.3	12
31	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
32	An improved simulation of the deep Pacific Ocean using optimally estimated vertical diffusivity based on the Green's function method. <i>Geophysical Research Letters</i> , 2015, 42, 9916-9924.	4.0	9
33	Dynamical Ocean Response Controlling the Eastward Movement of a Heat Content Anomaly Caused by the 18.6-Year Modulation of Localized Tidally Induced Mixing. <i>Journal of Geophysical Research: Oceans</i> , 2020, 125, e2019JC015513.	2.6	8
34	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
35	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. <i>PLoS ONE</i> , 2020, 15, e0237742.	2.5	7
36	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

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37	Variability in Southern Hemisphere Ocean Circulation from the 1980s to the 2000s. <i>Journal of Physical Oceanography</i> , 2013, 43, 1981-2007.	1.7	6
38	Impact of in-consistency between the climate model and its initial conditions on climate prediction. <i>Climate Dynamics</i> , 2017, 49, 1061-1075.	3.8	6
39	Relations between salinity in the northwestern Bering Sea, the Bering Strait throughflow and sea surface height in the Arctic Ocean. <i>Journal of Oceanography</i> , 2018, 74, 239-261.	1.7	6
40	Methods and Applications of Ocean Synthesis in Climate Research. <i>International Geophysics</i> , 2013, , 581-608.	0.6	5
41	A Framework for Interpreting Regularized State Estimation. <i>Monthly Weather Review</i> , 2014, 142, 386-400.	1.4	5
42	Ocean mixing processes (OMIX): impact on biogeochemistry, climate and ecosystem. <i>Journal of Oceanography</i> , 2021, 77, 1-1.	1.7	4
43	Ocean state estimations for synthesis of ocean-mixing observations. <i>Journal of Oceanography</i> , 2021, 77, 359-366.	1.7	4
44	An Observing System Simulation Experiment for the Western North Pacific Region. <i>Scientific World Journal, The</i> , 2014, 2014, 1-6.	2.1	2
45	Estimating the population mean for a vertical profile of energy dissipation rate. <i>Scientific Reports</i> , 2020, 10, 20414.	3.3	2
46	Improving Computational Efficiency of 4D-VAR System for Global Ocean Circulation Study. , 2003, , 87-92.		2
47	Effective Design of Profiling Float Network for Oceanic Heat-Content Monitoring. <i>Scientific World Journal, The</i> , 2014, 2014, 1-6.	2.1	1
48	Argo data assimilation and its effect on climate state estimation and forecasting in the western North Pacific using a coupled model. <i>Journal of Geophysical Research: Oceans</i> , 2015, 120, 2636-2654.	2.6	1
49	Deep-float salinity data synthesis for deep ocean state estimation: method and impact. <i>Progress in Earth and Planetary Science</i> , 2018, 5, .	3.0	1
50	Japanese studies of ocean data assimilation: milestones over the past 20 years and future perspectives. <i>Oceanography in Japan</i> , 2017, 26, 15-43.	0.5	1
51	Improvement of Ocean State Estimation by Assimilating Mapped Argo Drift Data. <i>Scientific World Journal, The</i> , 2014, 2014, 1-6.	2.1	0
52	Determining subsurface oceanic changes in the Indian sector of the Southern Ocean using Argo float data. <i>Polar Science</i> , 2020, 23, 100498.	1.2	0
53	Improved ocean state estimation by controlling ocean-mixing: toward synthesis of ocean-mixing observations. <i>Oceanography in Japan</i> , 2017, 26, 209-215.	0.5	0