

Yukio Masumoto

List of Publications by Year in descending order

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75
papers

4,818
citations

117625

34
h-index

98798

67
g-index

75
all docs

75
docs citations

75
times ranked

3695
citing authors

#	ARTICLE	IF	CITATIONS
1	Indian Ocean warming modulates Pacific climate change. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 18701-18706.	7.1	303
2	Interannual subsurface variability in the tropical Indian Ocean with a special emphasis on the Indian Ocean Dipole. Deep-Sea Research Part II: Topical Studies in Oceanography, 2002, 49, 1549-1572.	1.4	296
3	Increased frequency of extreme Indian Ocean Dipole events due to greenhouse warming. Nature, 2014, 510, 254-258.	27.8	296
4	Interaction between El Niño and Extreme Indian Ocean Dipole. Journal of Climate, 2010, 23, 726-742.	3.2	274
5	Forced Rossby waves in the southern tropical Indian Ocean. Journal of Geophysical Research, 1998, 103, 27589-27602.	3.3	233
6	Indian Ocean Decadal Variability: A Review. Bulletin of the American Meteorological Society, 2014, 95, 1679-1703.	3.3	210
7	An Eddy-Resolving Hindcast Simulation of the Quasiglobal Ocean from 1950 to 2003 on the Earth Simulator. , 2008, , 157-185.		188
8	Dispersion of artificial caesium-134 and -137 in the western North Pacific one month after the Fukushima accident. Geochemical Journal, 2012, 46, e1-e9.	1.0	186
9	Equatorial Atlantic variability and its relation to mean state biases in CMIP5. Climate Dynamics, 2014, 42, 171-188.	3.8	174
10	Intrusion of the Southwest Monsoon Current into the Bay of Bengal. Journal of Geophysical Research, 1999, 104, 11077-11085.	3.3	167
11	Successful prediction of the consecutive IOD in 2006 and 2007. Geophysical Research Letters, 2008, 35, .	4.0	136
12	Multiple causes of interannual sea surface temperature variability in the equatorial Atlantic Ocean. Nature Geoscience, 2013, 6, 43-47.	12.9	118
13	Tropical Atlantic biases and their relation to surface wind stress and terrestrial precipitation. Climate Dynamics, 2012, 38, 985-1001.	3.8	111
14	Intraseasonal variability in the upper layer currents observed in the eastern equatorial Indian Ocean. Geophysical Research Letters, 2005, 32, .	4.0	109
15	The reversal of the multi-decadal trends of the equatorial Pacific easterly winds, and the Indonesian Throughflow and Leeuwin Current transports. Geophysical Research Letters, 2011, 38, n/a-n/a.	4.0	97
16	Predictability of Northwest Pacific climate during summer and the role of the tropical Indian Ocean. Climate Dynamics, 2011, 36, 607-621.	3.8	97
17	Simulated Multiscale Variations in the Western Tropical Pacific: The Mindanao Dome Revisited. Journal of Physical Oceanography, 2002, 32, 1338-1359.	1.7	93
18	Oceanic precondition and evolution of the 2006 Indian Ocean dipole. Geophysical Research Letters, 2008, 35, .	4.0	89

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19	Impacts of the South China Sea Throughflow on seasonal and interannual variations of the Indonesian Throughflow. <i>Dynamics of Atmospheres and Oceans</i> , 2009, 47, 73-85.	1.8	87
20	On the triggering of Benguela NiÑ±os: Remote equatorial versus local influences. <i>Geophysical Research Letters</i> , 2010, 37, .	4.0	86
21	Seasonal variations of the Indonesian throughflow in a general ocean circulation model. <i>Journal of Geophysical Research</i> , 1996, 101, 12287-12293.	3.3	84
22	Intraseasonal Kelvin waves along the southern coast of Sumatra and Java. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	74
23	MISMO FIELD EXPERIMENT IN THE EQUATORIAL INDIAN OCEAN. <i>Bulletin of the American Meteorological Society</i> , 2008, 89, 1889-1904.	3.3	73
24	Subsurface equatorial zonal current in the eastern Indian Ocean. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	71
25	Basin Resonances in the Equatorial Indian Ocean. <i>Journal of Physical Oceanography</i> , 2011, 41, 1252-1270.	1.7	71
26	Seasonal variations in the equatorial Indian Ocean and their impact on the Lombok throughflow. <i>Journal of Geophysical Research</i> , 1996, 101, 12465-12473.	3.3	65
27	Transport simulation of the radionuclide from the shelf to open ocean around Fukushima. <i>Continental Shelf Research</i> , 2012, 50-51, 16-29.	1.8	51
28	What controls equatorial Atlantic winds in boreal spring?. <i>Climate Dynamics</i> , 2014, 43, 3091-3104.	3.8	50
29	Effects of Interannual Variability in the Eastern Indian Ocean on the Indonesian Throughflow. <i>Journal of Oceanography</i> , 2002, 58, 175-182.	1.7	44
30	Simulated seasonal circulation in the Indonesian Seas. <i>Journal of Geophysical Research</i> , 1993, 98, 12501-12509.	3.3	43
31	Intraseasonal variations of surface and subsurface currents off Java as simulated in a high-resolution ocean general circulation model. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	43
32	The influence of ENSO on the equatorial Atlantic precipitation through the Walker circulation in a CGCM. <i>Climate Dynamics</i> , 2015, 44, 191-202.	3.8	40
33	The IOD-ENSO precursory teleconnection over the tropical Indo-Pacific Ocean: dynamics and long-term trends under global warming. <i>Journal of Oceanology and Limnology</i> , 2018, 36, 4-19.	1.3	40
34	Fifteen years progress of the TRITON array in the Western Pacific and Eastern Indian Oceans. <i>Journal of Oceanography</i> , 2017, 73, 403-426.	1.7	39
35	Sharing the results of a high-resolution ocean general circulation model under a multi-discipline frameworkâ€”a review of OFES activities. <i>Ocean Dynamics</i> , 2010, 60, 633-652.	2.2	38
36	Interdecadal Natural Climate Variability in the Western Pacific and its Implication in Global Warming. <i>Journal of the Meteorological Society of Japan</i> , 1992, 70, 167-175.	1.8	31

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37	Seasonal and Interannual Variations of Oceanic Conditions in the Angola Dome. <i>Journal of Physical Oceanography</i> , 2007, 37, 2698-2713.	1.7	31
38	Impact of Global Ocean Surface Warming on Seasonal-to-Interannual Climate Prediction. <i>Journal of Climate</i> , 2011, 24, 1626-1646.	3.2	31
39	Intraseasonal meridional current variability in the eastern equatorial Indian Ocean. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	29
40	Mixed layer temperature balance in the eastern Indian Ocean during the 2006 Indian Ocean dipole. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	28
41	MJO change with A1B global warming estimated by the 40-km ECHAM5. <i>Climate Dynamics</i> , 2013, 41, 1009-1023.	3.8	28
42	Role of Tropical SST Variability on the Formation of Subtropical Dipoles. <i>Journal of Climate</i> , 2014, 27, 4486-4507.	3.2	28
43	Local SST Impacts on the Summertime Mascarene High Variability. <i>Journal of Climate</i> , 2015, 28, 678-694.	3.2	27
44	Interactions between mesoscale eddy variability and Indian Ocean dipole events in the Southeastern tropical Indian Ocean—case studies for 1994 and 1997/1998. <i>Ocean Dynamics</i> , 2010, 60, 717-730.	2.2	24
45	A global eddy hindcast ocean simulation with OFES2. <i>Geoscientific Model Development</i> , 2020, 13, 3319-3336.	3.6	22
46	“Virtual” Atmospheric and Oceanic Circulation in the Earth Simulator. <i>Bulletin of the American Meteorological Society</i> , 2007, 88, 861-866.	3.3	21
47	Semiannual variability in temperature and salinity observed by Triangle Trans-Ocean Buoy Network (TRITON) buoys in the eastern tropical Indian Ocean. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	21
48	Impact of Indian Ocean Dipole on intraseasonal zonal currents at 90°E on the equator as revealed by self-organizing map. <i>Geophysical Research Letters</i> , 2008, 35, .	4.0	21
49	Radiocesium in North Pacific coastal and offshore areas of Japan within several months after the Fukushima accident. <i>Journal of Environmental Radioactivity</i> , 2019, 198, 79-88.	1.7	21
50	On the Origin of a Model ENSO in the Western Pacific. <i>Journal of the Meteorological Society of Japan</i> , 1991, 69, 197-207.	1.8	20
51	Interannual modulation and its dynamics of the mesoscale eddy variability in the southeastern tropical Indian Ocean. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	20
52	Effects of air-sea coupling on the boreal summer intraseasonal oscillations over the tropical Indian Ocean. <i>Climate Dynamics</i> , 2011, 37, 2303-2322.	3.8	20
53	Seasonal variations of the Hawaiian Lee Countercurrent induced by the meridional migration of the trade winds. <i>Ocean Dynamics</i> , 2010, 60, 705-715.	2.2	19
54	Impact of the equatorial Atlantic sea surface temperature on the tropical Pacific in a CGCM. <i>Climate Dynamics</i> , 2014, 43, 2539-2552.	3.8	19

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55	Characteristics of coastal trapped waves along the southern and eastern coasts of Australia. <i>Journal of Oceanography</i> , 2010, 66, 243-258.	1.7	18
56	Coherent intraseasonal oceanic variations in the eastern equatorial Indian Ocean and in the Lombok and Ombai Straits from observations and a high-resolution OGCM. <i>Journal of Geophysical Research: Oceans</i> , 2014, 119, 615-630.	2.6	17
57	Generation Mechanism of the South Pacific Subtropical Dipole. <i>Journal of Climate</i> , 2013, 26, 6033-6045.	3.2	15
58	Short-term upper-ocean variability in the central equatorial Indian Ocean during 2006 Indian Ocean Dipole event. <i>Geophysical Research Letters</i> , 2008, 35, .	4.0	14
59	Intraseasonal vertical velocity variation caused by the equatorial wave in the central equatorial Indian Ocean. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	14
60	Effects of sub-seasonal variability on seasonal-to-interannual Indian Ocean meridional heat transport. <i>Geophysical Research Letters</i> , 2007, 34, .	4.0	11
61	Data Evaluation for a Newly Developed Slack-Line Mooring Buoy Deployed in the Eastern Indian Ocean. <i>Journal of Atmospheric and Oceanic Technology</i> , 2010, 27, 1195-1214.	1.3	11
62	Meridional Heat Advection due to Mixed Rossby Gravity Waves in the Equatorial Indian Ocean. <i>Journal of Physical Oceanography</i> , 2014, 44, 343-358.	1.7	11
63	Predictability of Interannual Variability in the Kuroshio Transport South of Japan Based on Wind Stress Data over the North Pacific. <i>Journal of Oceanography</i> , 2004, 60, 283-291.	1.7	9
64	A Wake due to the Maldives in the Eastward Wyrki Jet. <i>Journal of Physical Oceanography</i> , 2015, 45, 1858-1876.	1.7	9
65	Generation of Small Meanders of the Kuroshio South of Kyushu in a High-Resolution Ocean General Circulation Model. <i>Journal of Oceanography</i> , 2004, 60, 313-320.	1.7	8
66	Sensitivity of the Interannual Kuroshio Transport Variation South of Japan to Wind Dataset in OGCM Calculation. <i>Journal of Oceanography</i> , 2004, 60, 341-350.	1.7	8
67	High-resolution Indian Ocean simulations—Recent advances and issues from OFES. <i>Geophysical Monograph Series</i> , 2008, , 199-212.	0.1	8
68	Bio-physical coupling and ocean dynamics in the central equatorial Indian Ocean during 2006 Indian Ocean Dipole. <i>Geophysical Research Letters</i> , 2012, 39, .	4.0	8
69	Decadal Vision in Oceanography (I). <i>Oceanography in Japan</i> , 2013, 22, 191-218.	0.5	8
70	Seasonality of the Kuroshio Transport Revealed in a Kuroshio Assimilation System. <i>Journal of Oceanography</i> , 2004, 60, 321-328.	1.7	6
71	Mean Subsurface Upwelling Induced by Intraseasonal Variability over the Equatorial Indian Ocean. <i>Journal of Physical Oceanography</i> , 2017, 47, 1347-1365.	1.7	3
72	Editorial—the 4th International Workshop on Modeling the Ocean (IWMO 2012). <i>Ocean Dynamics</i> , 2013, 63, 1345-1347.	2.2	2

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73	La Niña Modoki Enhanced Summer-Autumn Precipitation over the Indonesian Region. Asia-Pacific Journal of Atmospheric Sciences, 0, , 1.	2.3	1
74	OCEANIC PROCESSES INFLUENCING SST IN REGIONS RELATED TO THE ASIAN-AUSTRALIAN MONSOON SYSTEM. World Scientific Series on Asia-Pacific Weather and Climate, 2011, , 525-534.	0.2	0
75	OCEAN PROCESSES RELEVANT TO CLIMATE VARIATIONS IN THE INDIAN OCEAN SECTOR. World Scientific Series on Asia-Pacific Weather and Climate, 2016, , 25-61.	0.2	0