

Yukio Masumoto

List of Publications by Year in descending order

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75
papers

4,818
citations

117453

34
h-index

98622

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. | 3.3 | 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. | 0.6 | 296 |
| 3 | Increased frequency of extreme Indian Ocean Dipole events due to greenhouse warming. Nature, 2014, 510, 254-258. | 13.7 | 296 |
| 4 | Interaction between El Niño and Extreme Indian Ocean Dipole. Journal of Climate, 2010, 23, 726-742. | 1.2 | 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. | 1.7 | 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. | 0.5 | 186 |
| 9 | Equatorial Atlantic variability and its relation to mean state biases in CMIP5. Climate Dynamics, 2014, 42, 171-188. | 1.7 | 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, . | 1.5 | 136 |
| 12 | Multiple causes of interannual sea surface temperature variability in the equatorial Atlantic Ocean. Nature Geoscience, 2013, 6, 43-47. | 5.4 | 118 |
| 13 | Tropical Atlantic biases and their relation to surface wind stress and terrestrial precipitation. Climate Dynamics, 2012, 38, 985-1001. | 1.7 | 111 |
| 14 | Intraseasonal variability in the upper layer currents observed in the eastern equatorial Indian Ocean. Geophysical Research Letters, 2005, 32, . | 1.5 | 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. | 1.5 | 97 |
| 16 | Predictability of Northwest Pacific climate during summer and the role of the tropical Indian Ocean. Climate Dynamics, 2011, 36, 607-621. | 1.7 | 97 |
| 17 | Simulated Multiscale Variations in the Western Tropical Pacific: The Mindanao Dome Revisited. Journal of Physical Oceanography, 2002, 32, 1338-1359. | 0.7 | 93 |
| 18 | Oceanic precondition and evolution of the 2006 Indian Ocean dipole. Geophysical Research Letters, 2008, 35, . | 1.5 | 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. | 0.7 | 87 |
| 20 | On the triggering of Benguela NiÑ±os: Remote equatorial versus local influences. <i>Geophysical Research Letters</i> , 2010, 37, . | 1.5 | 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. | 1.7 | 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. | 0.7 | 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. | 0.9 | 51 |
| 28 | What controls equatorial Atlantic winds in boreal spring?. <i>Climate Dynamics</i> , 2014, 43, 3091-3104. | 1.7 | 50 |
| 29 | Effects of Interannual Variability in the Eastern Indian Ocean on the Indonesian Throughflow. <i>Journal of Oceanography</i> , 2002, 58, 175-182. | 0.7 | 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. | 1.7 | 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. | 0.6 | 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. | 0.7 | 39 |
| 35 | Sharing the results of a high-resolution ocean general circulation model under a multi-discipline framework”a review of OFES activities. <i>Ocean Dynamics</i> , 2010, 60, 633-652. | 0.9 | 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. | 0.7 | 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. | 0.7 | 31 |
| 38 | Impact of Global Ocean Surface Warming on Seasonal-to-Interannual Climate Prediction. <i>Journal of Climate</i> , 2011, 24, 1626-1646. | 1.2 | 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. | 1.7 | 28 |
| 42 | Role of Tropical SST Variability on the Formation of Subtropical Dipoles. <i>Journal of Climate</i> , 2014, 27, 4486-4507. | 1.2 | 28 |
| 43 | Local SST Impacts on the Summertime Mascarene High Variability. <i>Journal of Climate</i> , 2015, 28, 678-694. | 1.2 | 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. | 0.9 | 24 |
| 45 | A global eddy hindcast ocean simulation with OFES2. <i>Geoscientific Model Development</i> , 2020, 13, 3319-3336. | 1.3 | 22 |
| 46 | “Virtual” Atmospheric and Oceanic Circulation in the Earth Simulator. <i>Bulletin of the American Meteorological Society</i> , 2007, 88, 861-866. | 1.7 | 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, . | 1.5 | 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. | 0.9 | 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. | 0.7 | 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. | 1.7 | 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. | 0.9 | 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. | 1.7 | 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. | 0.7 | 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. | 1.0 | 17 |
| 57 | Generation Mechanism of the South Pacific Subtropical Dipole. <i>Journal of Climate</i> , 2013, 26, 6033-6045. | 1.2 | 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, . | 1.5 | 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, . | 1.5 | 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. | 0.5 | 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. | 0.7 | 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. | 0.7 | 9 |
| 64 | A Wake due to the Maldives in the Eastward Wyrki Jet. <i>Journal of Physical Oceanography</i> , 2015, 45, 1858-1876. | 0.7 | 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. | 0.7 | 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. | 0.7 | 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, . | 1.5 | 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. | 0.7 | 6 |
| 71 | Mean Subsurface Upwelling Induced by Intraseasonal Variability over the Equatorial Indian Ocean. <i>Journal of Physical Oceanography</i> , 2017, 47, 1347-1365. | 0.7 | 3 |
| 72 | Editorial—the 4th International Workshop on Modeling the Ocean (IWMO 2012). <i>Ocean Dynamics</i> , 2013, 63, 1345-1347. | 0.9 | 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. | 1.3 | 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 |