

# Hiroaki Tatebe

## List of Publications by Year in descending order

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Version: 2024-02-01

59  
papers

3,708  
citations

279798

23  
h-index

155660

55  
g-index

72  
all docs

72  
docs citations

72  
times ranked

4714  
citing authors

#	ARTICLE	IF	CITATIONS
1	Transient Influence of the Reduction of Deepwater Formation on Ocean Heat Uptake and Heat Budgets in the Global Climate System. <i>Geophysical Research Letters</i> , 2022, 49, .	4.0	2
2	Enhanced Arctic warming amplification revealed in a low-emission scenario. <i>Communications Earth &amp; Environment</i> , 2022, 3, .	6.8	15
3	WMO Global Annual to Decadal Climate Update: A Prediction for 2021â€“25. <i>Bulletin of the American Meteorological Society</i> , 2022, 103, E1117-E1129.	3.3	20
4	Enhanced warming constrained by past trends in equatorial Pacific sea surface temperature gradient. <i>Nature Climate Change</i> , 2021, 11, 33-37.	18.8	58
5	PMIP4 experiments using MIROC-ES2L Earth system model. <i>Geoscientific Model Development</i> , 2021, 14, 1195-1217.	3.6	22
6	Climate model projections from the Scenario Model Intercomparison Project (ScenarioMIP) of CMIP6. <i>Earth System Dynamics</i> , 2021, 12, 253-293.	7.1	236
7	The Gulf Stream and Kuroshio Current are synchronized. <i>Science</i> , 2021, 374, 341-346.	12.6	12
8	ASSESSMENT OF THE NATURAL VARIABILITY COMPONENTS IN LOCAL SEA LEVEL AROUND THE EAST ASIA USING MIROC6 PROJECTIONS. <i>Journal of Japan Society of Civil Engineers Ser B2 (Coastal Engineering)</i> , 2021, 77, L_967-L_972.	0.4	0
9	Seasonal to Decadal Predictions With MIROC6: Description and Basic Evaluation. <i>Journal of Advances in Modeling Earth Systems</i> , 2020, 12, e2019MS002035.	3.8	19
10	On the Emergence of the Atlantic Multidecadal SST Signal: A Key Role of the Mixed Layer Depth Variability Driven by North Atlantic Oscillation. <i>Journal of Climate</i> , 2020, 33, 3511-3531.	3.2	10
11	Impact of sea-ice thickness initialized in April on Arctic sea-ice extent predictability with the MIROC climate model. <i>Annals of Glaciology</i> , 2020, 61, 97-105.	1.4	6
12	Control of transient climate response and associated sea level rise by deep-ocean mixing. <i>Environmental Research Letters</i> , 2020, 15, 094001.	5.2	2
13	Millennium time-scale experiments on climate-carbon cycle with doubled CO2 concentration. <i>Progress in Earth and Planetary Science</i> , 2020, 7, .	3.0	2
14	Future dynamic sea level change in the western subtropical North Pacific associated with ocean heat uptake and heat redistribution by ocean circulation under global warming. <i>Progress in Earth and Planetary Science</i> , 2020, 7, .	3.0	5
15	Impact of airâ€“sea coupling on the probability of occurrence of heat waves in Japan. <i>Progress in Earth and Planetary Science</i> , 2020, 7, .	3.0	3
16	Development of the MIROC-ES2L Earth system model and the evaluation of biogeochemical processes and feedbacks. <i>Geoscientific Model Development</i> , 2020, 13, 2197-2244.	3.6	245
17	Evaluation of global oceanâ€“sea-ice model simulations based on the experimental protocols of the Ocean Model Intercomparison Project phase 2 (OMIP-2). <i>Geoscientific Model Development</i> , 2020, 13, 3643-3708.	3.6	99
18	Importance of El NiÃ±o reproducibility for reconstructing historical CO&lt;sub&gt;2&lt;/sub&lt;/sub&gt; flux variations in the equatorial Pacific. <i>Ocean Science</i> , 2020, 16, 1431-1442.	3.4	4

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19	UNCERTAINTY IN REGIONAL SEA LEVEL RISE DUE TO CLIMATE CHANGE AROUND JAPAN. Journal of Japan Society of Civil Engineers Ser B2 (Coastal Engineering), 2020, 76, 1135-1140.	0.4	0
20	Description and basic evaluation of simulated mean state, internal variability, and climate sensitivity in MIROC6. Geoscientific Model Development, 2019, 12, 2727-2765.	3.6	439
21	Reconciling roles of sulphate aerosol forcing and internal variability in Atlantic multidecadal climate changes. Climate Dynamics, 2019, 53, 4651-4665.	3.8	58
22	Wind-Mixed Layer SST Feedbacks in a Tropical Air-Sea Coupled System: Application to the Atlantic. Journal of Climate, 2019, 32, 3865-3881.	3.2	9
23	Mechanisms for and Predictability of a Drastic Reduction in the Arctic Sea Ice: APPOSITE Data with Climate Model MIROC. Journal of Climate, 2019, 32, 1361-1380.	3.2	3
24	The Importance of Ocean Dynamical Feedback for Understanding the Impact of High-Latitude Warming on Tropical Precipitation Change. Journal of Climate, 2018, 31, 2417-2434.	3.2	8
25	Possible relationship between Pacific interdecadal climate variability and the periodic 18.6-year tidal oscillation in the ocean. Oceanography in Japan, 2018, 27, 3-18.	0.5	0
26	Preface of the special Issue "Toward the evaluation of oceanic tidal impacts on the ocean, climate, and fishery resources": Oceanography in Japan, 2018, 27, 1-1.	0.5	0
27	Impact of deep ocean mixing on the climatic mean state in the Southern Ocean. Scientific Reports, 2018, 8, 14479.	3.3	32
28	Roles of Shallow Convective Moistening in the Eastward Propagation of the MJO in MIROC6. Journal of Climate, 2018, 31, 3033-3047.	3.2	16
29	Mechanisms influencing seasonal to inter-annual prediction skill of sea ice extent in the Arctic Ocean in MIROC. Cryosphere, 2018, 12, 675-683.	3.9	13
30	A Madden-Julian Oscillation event remotely accelerates ocean upwelling to abruptly terminate the 1997/1998 super El Niño. Geophysical Research Letters, 2017, 44, 9489-9495.	4.0	19
31	Atmospheric Responses and Feedback to the Meridional Ocean Heat Transport in the North Pacific. Journal of Climate, 2017, 30, 5715-5728.	3.2	2
32	Effectiveness and limitations of parameter tuning in reducing biases of top-of-atmosphere radiation and clouds in MIROC version 5. Geoscientific Model Development, 2017, 10, 4647-4664.	3.6	10
33	Downscaling Global Emissions and Its Implications Derived from Climate Model Experiments. PLoS ONE, 2017, 12, e0169733.	2.5	15
34	The Arctic Predictability and Prediction on Seasonal-to-Interannual Timescales (APPOSITE) data set version 1. Geoscientific Model Development, 2016, 9, 2255-2270.	3.6	26
35	South Pacific influence on the termination of El Niño in 2014. Scientific Reports, 2016, 6, 30341.	3.3	21
36	Predictability of Two Types of El Niño Assessed Using an Extended Seasonal Prediction System by MIROC. Monthly Weather Review, 2015, 143, 4597-4617.	1.4	33

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37	Contribution of natural decadal variability to global warming acceleration and hiatus. <i>Nature Climate Change</i> , 2014, 4, 893-897.	18.8	179
38	An overview of decadal climate predictability in a multi-model ensemble by climate model MIROC. <i>Climate Dynamics</i> , 2013, 40, 1201-1222.	3.8	67
39	Control of Decadal and Bidecadal Climate Variability in the Tropical Pacific by the Off-Equatorial South Pacific Ocean. <i>Journal of Climate</i> , 2013, 26, 6524-6534.	3.2	23
40	Hindcast Prediction and Near-Future Projection of Tropical Cyclone Activity over the Western North Pacific Using CMIP5 Near-Term Experiments with MIROC. <i>Journal of the Meteorological Society of Japan</i> , 2013, 91, 431-452.	1.8	15
41	Multi-Decadal Modulation of Tropical Pacific Instability Wave Activity since the Middle of the Twentieth Century. <i>Scientific Online Letters on the Atmosphere</i> , 2013, 9, 102-105.	1.4	2
42	Effects of the 18.6-yr Modulation of Tidal Mixing on the North Pacific Bidecadal Climate Variability in a Coupled Climate Model. <i>Journal of Climate</i> , 2012, 25, 7625-7642.	3.2	43
43	MIROC4h�� A New High-Resolution Atmosphere-Ocean Coupled General Circulation Model. <i>Journal of the Meteorological Society of Japan</i> , 2012, 90, 325-359.	1.8	146
44	Decadal Prediction Using a Recent Series of MIROC Global Climate Models. <i>Journal of the Meteorological Society of Japan</i> , 2012, 90A, 373-383.	1.8	60
45	Predictability of a Stepwise Shift in Pacific Climate during the Late 1990s in Hindcast Experiments Using MIROC. <i>Journal of the Meteorological Society of Japan</i> , 2012, 90A, 1-21.	1.8	26
46	The Initialization of the MIROC Climate Models with Hydrographic Data Assimilation for Decadal Prediction. <i>Journal of the Meteorological Society of Japan</i> , 2012, 90A, 275-294.	1.8	63
47	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
48	Pacific decadal oscillation hindcasts relevant to near-term climate prediction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 1833-1837.	7.1	189
49	Improved Climate Simulation by MIROC5: Mean States, Variability, and Climate Sensitivity. <i>Journal of Climate</i> , 2010, 23, 6312-6335.	3.2	1,103
50	Horizontal transport of the calanoid copepod <i>Neocalanus</i> in the North Pacific: The influences of the current system and the life history. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2010, 57, 409-419.	1.4	14
51	Progress of North Pacific modeling over the past decade. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2010, 57, 1188-1200.	1.4	25
52	Formation mechanism of the Pacific equatorial thermocline revealed by a general circulation model with a high accuracy tracer advection scheme. <i>Ocean Modelling</i> , 2010, 35, 245-252.	2.4	21
53	Transport of subarctic large copepods from the Oyashio area to the mixed water region by the coastal Oyashio intrusion. <i>Fisheries Oceanography</i> , 2009, 18, 312-327.	1.7	25
54	Pacific bidecadal climate variability regulated by tidal mixing around the Kuril Islands. <i>Geophysical Research Letters</i> , 2008, 35, .	4.0	35

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55	Possible explanation linking 18.6-year period nodal tidal cycle with bi-decadal variations of ocean and climate in the North Pacific. <i>Geophysical Research Letters</i> , 2006, 33, .	4.0	69
56	Numerical Experiments on the Seasonal Variations of the Oyashio near the East Coast of Japan. <i>Journal of Physical Oceanography</i> , 2005, 35, 2309-2326.	1.7	7
57	Interdecadal variations of the coastal Oyashio from the 1970s to the early 1990s. <i>Geophysical Research Letters</i> , 2005, 32, .	4.0	16
58	Oyashio Southward Intrusion and Cross-Gyre Transport Related to Diapycnal Upwelling in the Okhotsk Sea. <i>Journal of Physical Oceanography</i> , 2004, 34, 2327-2341.	1.7	48
59	Seasonal axis migration of the upstream Kuroshio Extension associated with standing oscillations. <i>Journal of Geophysical Research</i> , 2001, 106, 16685-16692.	3.3	19