

# Takafumi Miyasaka

## List of Publications by Year in descending order

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Version: 2024-02-01

25  
papers

791  
citations

567281

15  
h-index

610901

24  
g-index

25  
all docs

25  
docs citations

25  
times ranked

977  
citing authors

#	ARTICLE	IF	CITATIONS
1	Structure and Formation Mechanisms of the Northern Hemisphere Summertime Subtropical Highs. <i>Journal of Climate</i> , 2005, 18, 5046-5065.	3.2	123
2	A Numerical Simulation of Global Transport of Atmospheric Particles Emitted from the Fukushima Daiichi Nuclear Power Plant. <i>Scientific Online Letters on the Atmosphere</i> , 2011, 7, 101-104.	1.4	92
3	Modulations in the planetary wave field induced by upward-propagating Rossby wave packets prior to stratospheric sudden warming events: A case study. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2009, 135, 39-52.	2.7	85
4	Dependence of the climatological axial latitudes of the tropospheric westerlies and storm tracks on the latitude of an extratropical oceanic front. <i>Geophysical Research Letters</i> , 2012, 39, .	4.0	68
5	Respective influences of IOD and ENSO on the Tibetan snow cover in early winter. <i>Climate Dynamics</i> , 2009, 33, 509-520.	3.8	57
6	Separation of Climatological Imprints of the Kuroshio Extension and Oyashio Fronts on the Wintertime Atmospheric Boundary Layer: Their Sensitivity to SST Resolution Prescribed for Atmospheric Reanalysis. <i>Journal of Climate</i> , 2015, 28, 1764-1787.	3.2	57
7	Structure and Mechanisms of the Southern Hemisphere Summertime Subtropical Anticyclones. <i>Journal of Climate</i> , 2010, 23, 2115-2130.	3.2	48
8	Interannual Modulations of Oceanic Imprints on the Wintertime Atmospheric Boundary Layer under the Changing Dynamical Regimes of the Kuroshio Extension. <i>Journal of Climate</i> , 2016, 29, 3273-3296.	3.2	38
9	Influence of the Subtropical High and Storm Track on Low-Cloud Fraction and Its Seasonality over the South Indian Ocean. <i>Journal of Climate</i> , 2018, 31, 4017-4039.	3.2	29
10	Key factors in simulating the equatorial Atlantic zonal sea surface temperature gradient in a coupled general circulation model. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	28
11	Northern hemisphere extratropical tropospheric planetary waves and their low-frequency variability: Their vertical structure and interaction with transient eddies and surface thermal contrasts. <i>Geophysical Monograph Series</i> , 2010, , 149-179.	0.1	21
12	Mechanisms for the Maintenance of the Wintertime Basin-Scale Atmospheric Response to Decadal SST Variability in the North Pacific Subarctic Frontal Zone. <i>Journal of Climate</i> , 2018, 31, 297-315.	3.2	21
13	Importance of Midlatitude Oceanic Frontal Zones for the Annular Mode Variability: Interbasin Differences in the Southern Annular Mode Signature. <i>Journal of Climate</i> , 2016, 29, 6179-6199.	3.2	18
14	Assessing the Importance of Prominent Warm SST Anomalies over the Midlatitude North Pacific in Forcing Large-Scale Atmospheric Anomalies during 2011 Summer and Autumn. <i>Journal of Climate</i> , 2014, 27, 3889-3903.	3.2	16
15	Multidecadal modulations of the low-frequency climate variability in the wintertime North Pacific since 1950. <i>Geophysical Research Letters</i> , 2014, 41, 2948-2955.	4.0	16
16	Widespread distribution of radiocesium-bearing microparticles over the greater Kanto Region resulting from the Fukushima nuclear accident. <i>Progress in Earth and Planetary Science</i> , 2021, 8, .	3.0	16
17	Reproducibility and Future Projection of the Midwinter Storm-Track Activity over the Far East in the CMIP3 Climate Models in Relation to "Haru-Ichiban" over Japan. <i>Journal of the Meteorological Society of Japan</i> , 2009, 87, 581-588.	1.8	14
18	Processes Shaping the Frontal-Scale Time-Mean Surface Wind Convergence Patterns around the Kuroshio Extension in Winter. <i>Journal of Climate</i> , 2020, 33, 3-25.	3.2	11

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19	Processes Shaping the Frontal-Scale Time-Mean Surface Wind Convergence Patterns around the Gulf Stream and Agulhas Return Current in Winter. <i>Journal of Climate</i> , 2020, 33, 9083-9101.	3.2	9
20	Divergent Responses of Extratropical Atmospheric Circulation to Interhemispheric Dipolar SST Forcing over the Two Hemispheres in Boreal Winter. <i>Journal of Climate</i> , 2018, 31, 7599-7619.	3.2	8
21	Relationship of the Reproducibility of Multiple Variables among Global Climate Models. <i>Journal of the Meteorological Society of Japan</i> , 2012, 90A, 87-100.	1.8	7
22	Radiative Impacts of Low-Level Clouds on the Summertime Subtropical High in the South Indian Ocean Simulated in a Coupled General Circulation Model. <i>Journal of Climate</i> , 2021, 34, 3991-4007.	3.2	5
23	Investigation of Physical and Chemical Characteristics of Radioactive Aerosols Emitted From Reactor Unit 1 by Fukushima Daiichi Nuclear Power Plant Accident. <i>Bunseki Kagaku</i> , 2019, 68, 757-768.	0.2	2
24	Maintenance Mechanisms of the Wintertime Subtropical High over the South Indian Ocean. <i>Journal of Climate</i> , 2022, 35, 2989-3005.	3.2	2
25	Wintertime Weakening of Low-Cloud Impacts on the Subtropical High in the South Indian Ocean. <i>Journal of Climate</i> , 2022, 35, 323-334.	3.2	0