Mio Matsueda

List of Publications by Year
in descending order

40	1,678	471061 17	288905 40
papers	citations	h-index	g-index

44	44	44	2099
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Climate Simulations Using MRI-AGCM3.2 with 20-km Grid. Journal of the Meteorological Society of Japan, 2012, 90A, 233-258.	0.7	413
2	Predictability of Euro-Russian blocking in summer of 2010. Geophysical Research Letters, 2011, 38, n/a-n/a.	1.5	192
3	The TIGGE Project and Its Achievements. Bulletin of the American Meteorological Society, 2016, 97, 49-67.	1.7	171
4	Future change in wintertime atmospheric blocking simulated using a 20â€kmâ€mesh atmospheric global circulation model. Journal of Geophysical Research, 2009, 114, .	3.3	97
5	The Resolution Sensitivity of Northern Hemisphere Blocking in Four 25-km Atmospheric Global Circulation Models. Journal of Climate, 2017, 30, 337-358.	1.2	71
6	Future changes in the East Asian rain band projected by global atmospheric models with 20-km and 60-km grid size. Climate Dynamics, 2011, 37, 2481-2493.	1.7	69
7	Multi-model evaluation of the sensitivity of the global energy budget and hydrological cycle to resolution. Climate Dynamics, 2019, 52, 6817-6846.	1.7	57
8	Estimates of flowâ€dependent predictability of wintertime Euroâ€Atlantic weather regimes in mediumâ€range forecasts. Quarterly Journal of the Royal Meteorological Society, 2018, 144, 1012-1027.	1.0	53
9	Future Change in Extratropical Cyclones Associated with Change in the Upper Troposphere. Journal of Climate, 2011, 24, 6456-6470.	1.2	51
10	Verification of global numerical weather forecasting systems in polar regions using TIGGE data. Quarterly Journal of the Royal Meteorological Society, 2016, 142, 574-582.	1.0	44
11	Extreme Arctic cyclone in August 2016. Atmospheric Science Letters, 2017, 18, 307-314.	0.8	44
12	Verification of medium-range MJO forecasts with TIGGE. Geophysical Research Letters, 2011, 38, n/a-n/a.	1.5	38
13	Blocking Predictability in Operational Medium-Range Ensemble Forecasts. Scientific Online Letters on the Atmosphere, 2009, 5, 113-116.	0.6	38
14	Early warning products for severe weather events derived from operational medium-range ensemble forecasts. Meteorological Applications, 2015, 22, 213-222.	0.9	36
15	The robustness of future changes in Northern Hemisphere blocking: A large ensemble projection with multiple sea surface temperature patterns. Geophysical Research Letters, 2017, 44, 5158-5166.	1.5	34
16	Can MCGE Outperform the ECMWF Ensemble?. Scientific Online Letters on the Atmosphere, 2008, 4, 77-80.	0.6	23
17	The Sensitivity of Euroâ€Atlantic Regimes to Model Horizontal Resolution. Geophysical Research Letters, 2019, 46, 7810-7818.	1.5	20
18	Accuracy of climate change predictions using high resolution simulations as surrogates of truth. Geophysical Research Letters, 2011, 38, n/a-n/a.	1.5	18

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19	Mediumâ€Range Forecast Skill for Extraordinary Arctic Cyclones in Summer of 2008â€“2016. Geophysical Research Letters, 2018, 45, 4429-4437.	1.5	18
20	Ocean Observations to Improve Our Understanding, Modeling, and Forecasting of Subseasonal-to-Seasonal Variability. Frontiers in Marine Science, 2019, 6, .	1.2	16
21	Future change in Southern Hemisphere summertime and wintertime atmospheric blockings simulated using a 20â€kmâ€mesh AGCM. Geophysical Research Letters, 2010, 37, .	1.5	14
22	Medium-range predictability of early summer sea ice thickness distribution in the East Siberian Sea based on the TOPAZ4 iceâ€“ocean data assimilation system. Cryosphere, 2018, 12, 2005-2020.	1.5	14
23	Predictability of an Atmospheric Blocking Event that Occurred on 15 December 2005. Monthly Weather Review, 2011, 139, 2455-2470.	0.5	13
24	Predictability of the 2012 Great Arctic Cyclone on medium-range timescales. Polar Science, 2018, 15, 13-23.	0.5	13
25	A diagnostic for advance detection of forecast busts of regional surface solar radiation using multi-center grand ensemble forecasts. Solar Energy, 2018, 162, 196-204.	2.9	12
26	Daily Forecast Skill of Multi-Center Grand Ensemble. Scientific Online Letters on the Atmosphere, 2007, 3, 29-32.	0.6	12
27	Arctic Oscillation Analyzed as a Singular Eigenmode of the Global Atmosphere. Journal of the Meteorological Society of Japan, 2005, 83, 611-619.	0.7	11
28	Multi-Center Grand Ensemble using Three Operational Ensemble Forecasts. Scientific Online Letters on the Atmosphere, 2006, 2, 33-36.	0.6	11
29	Future projections of heat waves around Japan simulated by CMIP3 and highâ€resolution Meteorological Research Institute atmospheric climate models. Journal of Geophysical Research D: Atmospheres, 2013, 118, 3097-3109.	1.2	10
30	Wintertime East Asian Flow Patterns and Their Predictability on Medium-Range Timescales. Scientific Online Letters on the Atmosphere, 2016, 12, 121-126.	0.6	9
31	Subseasonal Forecast Skill for Weekly Mean Atmospheric Variability Over the Northern Hemisphere in Winter and Its Relationship to Midlatitude Teleconnections. Geophysical Research Letters, 2020, 47, e2020GL088508.	1.5	9
32	Skill of medium-range reforecast for summertime extraordinary Arctic Cyclones in 1986â€“2016. Polar Science, 2019, 20, 107-116.	0.5	8
33	Application of mesoscale ensemble forecast method for prediction of wind speed ramps. Wind Energy, 2019, 22, 499-508.	1.9	7
34	Assessing the Predictability of Heavy Rainfall Events in Japan in Early July 2018 on Medium-Range Timescales. Scientific Online Letters on the Atmosphere, 2019, 15A, 19-24.	0.6	7
35	Calibrating Climate Change Time-Slice Projections with Estimates of Seasonal Forecast Reliability. Journal of Climate, 2016, 29, 3831-3840.	1.2	6
36	Analysis of Recent Extreme Events Measured by the Barotropic Component of the Atmosphere. Journal of the Meteorological Society of Japan, 2004, 82, 1281-1299.	0.7	5

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37	Relationship between meteorological variables/dust and the number of meningitis cases in Burkina Faso. Meteorological Applications, 2017, 24, 423-431.	0.9	5
38	Statistical characteristics of Arctic forecast busts and their relationship to Arctic weather patterns in summer. Atmospheric Science Letters, 2021, 22, e1038.	0.8	4
39	Ensemble forecast experiments of summertime sea ice in the Arctic Ocean using the TOPAZ4 ice-ocean data assimilation system. Environmental Research, 2022, 209, 112769.	3.7	3
40	EOF and SVD Analyses of the Low-Frequency Variability of the Barotropic Component of the Atmosphere. Journal of the Meteorological Society of Japan, 2005, 83, 517-529.	0.7	1