Wataru Ohfuchi

List of Publications by Year
in descending order

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32	1,019	567281 15	552781 26
papers	citations	h-index	g-index

34	34	34	1016
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	On the importance of midlatitude oceanic frontal zones for the mean state and dominant variability in the tropospheric circulation. Geophysical Research Letters, 2008, 35, .	4.0	230
2	Significance of a Midlatitude SST Frontal Zone in the Formation of a Storm Track and an Eddy-Driven Westerly Jet*. Journal of Climate, 2010, 23, 1793-1814.	3.2	153
3	Mesoscale spectrum of atmospheric motions investigated in a very fine resolution global general circulation model. Journal of Geophysical Research, 2008, 113, .	3.3	112
4	The Aqua-Planet Experiment (APE): CONTROL SST Simulation. Journal of the Meteorological Society of Japan, 2013, 91A, 17-56.	1.8	64
5	Explicit global simulation of the mesoscale spectrum of atmospheric motions. Geophysical Research Letters, 2006, 33, .	4.0	63
6	An improved PDF cloud scheme for climate simulations. Quarterly Journal of the Royal Meteorological Society, 2010, 136, 1583-1597.	2.7	55
7	Description of AFES 2: Improvements for High-Resolution and Coupled Simulations. , 2008, , 77-97.		45
8	Deep ocean inertiaâ€gravity waves simulated in a highâ€resolution global coupled atmosphereâ€“ocean GCM. Geophysical Research Letters, 2008, 35, .	4.0	35
9	Planetary-scale streak structure reproduced in high-resolution simulations of the Venus atmosphere with a low-stability layer. Nature Communications, 2019, 10, 23.	12.8	35
10	The Aqua-Planet Experiment (APE): Response to Changed Meridional SST Profile. Journal of the Meteorological Society of Japan, 2013, 91A, 57-89.	1.8	34
11	â€œVirtualâ€•Atmospheric and Oceanic Circulation in the Earth Simulator. Bulletin of the American Meteorological Society, 2007, 88, 861-866.	3.3	21
12	Remote effects of tropical storm Cristobal upon a cut-off cyclone over Europe in August 2002. Meteorology and Atmospheric Physics, 2007, 96, 29-42.	2.0	21
13	Features of the Baiu Front Simulated in an AGCM (T42L52).. Journal of the Meteorological Society of Japan, 2002, 80, 697-716.	1.8	20
14	Conservative Semi-Lagrangian Transport on a Sphere and the Impact on Vapor Advection in an Atmospheric General Circulation Model. Monthly Weather Review, 2005, 133, 504-520.	1.4	16
15	Relationship between High-Impact Weather Events in Japan and Propagation of Rossby Waves along the Asian Jet in July 2004. Journal of the Meteorological Society of Japan, 2009, 87, 139-156.	1.8	16
16	Deep oceanic zonal jets constrained by fineâ€scale wind stress curls in the South Pacific Ocean: A highâ€resolution coupled GCM study. Geophysical Research Letters, 2012, 39, .	4.0	15
17	Mesoscale resolving simulations of the global atmosphere and ocean on the Earth simulator. Eos, 2005, 86, 45.	0.1	14
18	High-Resolution Simulation of the Global Coupled Atmosphere-Ocean System: Description and Preliminary Outcomes of CFES (CGCM for the Earth Simulator). , 2008, , 241-260.		14

#	Article	IF	Citations
19	Topographic effects on the solar semidiurnal surface tide simulated in a very fine resolution general circulation model. Journal of Geophysical Research, 2008, 113, .	3.3	11
20	Simple Sensitivity Analysis Using Ensemble Forecasts. Journal of the Meteorological Society of Japan, 2015, 93, 199-213.	1.8	9
21	The Variety of Spontaneously Generated Tropical Precipitation Patterns Found in APE Results. Journal of the Meteorological Society of Japan, 2013, 91A, 91-141.	1.8	7
22	Effect of the thermal tidal oscillation of the atmosphere on tropical cyclones. Geophysical Research Letters, 2005, 32, .	4.0	6
23	The Variety of Forced Atmospheric Structure in Response to Tropical SST Anomaly in the Aqua-Planet Experiments. Journal of the Meteorological Society of Japan, 2013, 91A, 143-193.	1.8	5
24	Polar Low Genesis over the East Coast of the Asian Continent Simulated in an AGCM. Journal of the Meteorological Society of Japan, 2003, 81, 697-712.	1.8	4
25	Large Atmospheric Computation on the Earth Simulator: The LACES Project. Scientific Programming, 2006, 14, 13-25.	0.7	3
26	10-KM MESH GLOBAL ATMOSPHERIC SIMULATIONS. , 2003, , .		3
27	High resolution simulations of atmospheric and oceanic circulation. Eos, 2006, 87, 176.	0.1	2
28	Performance of Atmospheric General Circulation Model using the Spectral Transform Method on the Earth Simulator. , 2003, , 79-86.		2
29	Toward Eddy-resolving Global Ocean Simulations on the Earth Simulator. Oceanography in Japan, 2004, 13, 583-588.	0.5	1
30	The Earth Simulator Center. JAMSTEC Report of Research and Development, 2009, 9, 1_75-1_135.	0.2	1
31	Effect of cloud's characteristics on climate: A one-dimensional radiative-convective equilibrium model study. , 2011, , .		0
32	Superrotation of Titanâ€™s Stratosphere Driven by the Radiative Heating of the Haze Layer. Astrophysical Journal, 2022, 928, 149.	4.5	0