

# Wataru Ohfuchi

## List of Publications by Year in descending order

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32  
papers

1,019  
citations

567281

15  
h-index

552781

26  
g-index

34  
all docs

34  
docs citations

34  
times ranked

1016  
citing authors

#	ARTICLE	IF	CITATIONS
1	Superrotation of Titan's Stratosphere Driven by the Radiative Heating of the Haze Layer. <i>Astrophysical Journal</i> , 2022, 928, 149.	4.5	0
2	Planetary-scale streak structure reproduced in high-resolution simulations of the Venus atmosphere with a low-stability layer. <i>Nature Communications</i> , 2019, 10, 23.	12.8	35
3	Simple Sensitivity Analysis Using Ensemble Forecasts. <i>Journal of the Meteorological Society of Japan</i> , 2015, 93, 199-213.	1.8	9
4	The Aqua-Planet Experiment (APE): Response to Changed Meridional SST Profile. <i>Journal of the Meteorological Society of Japan</i> , 2013, 91A, 57-89.	1.8	34
5	The Aqua-Planet Experiment (APE): CONTROL SST Simulation. <i>Journal of the Meteorological Society of Japan</i> , 2013, 91A, 17-56.	1.8	64
6	The Variety of Spontaneously Generated Tropical Precipitation Patterns Found in APE Results. <i>Journal of the Meteorological Society of Japan</i> , 2013, 91A, 91-141.	1.8	7
7	The Variety of Forced Atmospheric Structure in Response to Tropical SST Anomaly in the Aqua-Planet Experiments. <i>Journal of the Meteorological Society of Japan</i> , 2013, 91A, 143-193.	1.8	5
8	Deep oceanic zonal jets constrained by fine-scale wind stress curls in the South Pacific Ocean: A high-resolution coupled GCM study. <i>Geophysical Research Letters</i> , 2012, 39, .	4.0	15
9	Effect of cloud's characteristics on climate: A one-dimensional radiative-convective equilibrium model study. , 2011, , .		0
10	An improved PDF cloud scheme for climate simulations. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2010, 136, 1583-1597.	2.7	55
11	Significance of a Midlatitude SST Frontal Zone in the Formation of a Storm Track and an Eddy-Driven Westerly Jet*. <i>Journal of Climate</i> , 2010, 23, 1793-1814.	3.2	153
12	Relationship between High-Impact Weather Events in Japan and Propagation of Rossby Waves along the Asian Jet in July 2004. <i>Journal of the Meteorological Society of Japan</i> , 2009, 87, 139-156.	1.8	16
13	The Earth Simulator Center. JAMSTEC Report of Research and Development, 2009, 9, 1_75-1_135.	0.2	1
14	Deep ocean inertia-gravity waves simulated in a high-resolution global coupled atmosphere-ocean GCM. <i>Geophysical Research Letters</i> , 2008, 35, .	4.0	35
15	On the importance of midlatitude oceanic frontal zones for the mean state and dominant variability in the tropospheric circulation. <i>Geophysical Research Letters</i> , 2008, 35, .	4.0	230
16	Mesoscale spectrum of atmospheric motions investigated in a very fine resolution global general circulation model. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	112
17	Topographic effects on the solar semidiurnal surface tide simulated in a very fine resolution general circulation model. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	11
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	Description of AFES 2: Improvements for High-Resolution and Coupled Simulations. , 2008, , 77-97.		45
20	“Virtual” Atmospheric and Oceanic Circulation in the Earth Simulator. Bulletin of the American Meteorological Society, 2007, 88, 861-866.	3.3	21
21	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
22	High resolution simulations of atmospheric and oceanic circulation. Eos, 2006, 87, 176.	0.1	2
23	Explicit global simulation of the mesoscale spectrum of atmospheric motions. Geophysical Research Letters, 2006, 33, .	4.0	63
24	Large Atmospheric Computation on the Earth Simulator: The LACES Project. Scientific Programming, 2006, 14, 13-25.	0.7	3
25	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
26	Mesoscale resolving simulations of the global atmosphere and ocean on the Earth simulator. Eos, 2005, 86, 45.	0.1	14
27	Effect of the thermal tidal oscillation of the atmosphere on tropical cyclones. Geophysical Research Letters, 2005, 32, .	4.0	6
28	Toward Eddy-resolving Global Ocean Simulations on the Earth Simulator. Oceanography in Japan, 2004, 13, 583-588.	0.5	1
29	10-KM MESH GLOBAL ATMOSPHERIC SIMULATIONS. , 2003, , .		3
30	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
31	Performance of Atmospheric General Circulation Model using the Spectral Transform Method on the Earth Simulator. , 2003, , 79-86.		2
32	Features of the Baiu Front Simulated in an AGCM (T42L52).. Journal of the Meteorological Society of Japan, 2002, 80, 697-716.	1.8	20