

Takeshi Horinouchi

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/3494760/takeshi-horinouchi-publications-by-year.pdf>

Version: 2024-04-23

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

70
papers

2,757
citations

21
h-index

52
g-index

79
ext. papers

3,173
ext. citations

5.1
avg, IF

4.66
L-index

#	Paper	IF	Citations
70	Inner-Core Wind Field in a Concentric Eyewall Replacement of Typhoon Trami (2018): A Quantitative Analysis Based on the Himawari-8 Satellite. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021 , 126, e2020JD034434	4.4	2
69	Robust Asymmetry of the Future Arctic Polar Vortex Is Driven by Tropical Pacific Warming. <i>Geophysical Research Letters</i> , 2021 , 48, e2021GL093440	4.9	6
68	The nightside cloud-top circulation of the atmosphere of Venus. <i>Nature</i> , 2021 , 595, 511-515	50.4	6
67	Venus night-side photometry with cleaned Akatsuki/IR2 data: Aerosol properties and variations of carbon monoxide. <i>Icarus</i> , 2021 , 355, 114134	3.8	1
66	Moisture Supply, Jet, and Silk-Road Wave Train Associated with the Prolonged Heavy Rainfall in Kyushu, Japan in Early July 2020. <i>Scientific Online Letters on the Atmosphere</i> , 2021 , 17B, 1-8	2.1	4
65	A Long-Lived Sharp Disruption on the Lower Clouds of Venus. <i>Geophysical Research Letters</i> , 2020 , 47, e2020GL087221	4.9	8
64	Convective Bursts With Gravity Waves in Tropical Cyclones: Case Study With the Himawari-8 Satellite and Idealized Numerical Study. <i>Geophysical Research Letters</i> , 2020 , 47, e2019GL086295	4.9	3
63	How waves and turbulence maintain the super-rotation of Venus' atmosphere. <i>Science</i> , 2020 , 368, 405-409	39.3	18
62	Estimation of the Tangential Winds and Asymmetric Structures in Typhoon Inner Core Region Using Himawari-8. <i>Geophysical Research Letters</i> , 2020 , 47, e2020GL087637	4.9	3
61	Planetary-Scale Variations in Winds and UV Brightness at the Venesian Cloud Top: Periodicity and Temporal Evolution. <i>Journal of Geophysical Research E: Planets</i> , 2019 , 124, 2635-2659	4.1	13
60	Global Structure of Thermal Tides in the Upper Cloud Layer of Venus Revealed by LIR on Board Akatsuki. <i>Geophysical Research Letters</i> , 2019 , 46, 9457-9465	4.9	13
59	Solar-locked and geographical atmospheric structures inferred from a Venus general circulation model with radiative transfer. <i>Icarus</i> , 2019 , 321, 232-250	3.8	14
58	New cloud morphologies discovered on the Venus's night during Akatsuki. <i>Icarus</i> , 2019 , 333, 177-182	3.8	12
57	Stationary Features at the Cloud Top of Venus Observed by Ultraviolet Imager Onboard Akatsuki. <i>Journal of Geophysical Research E: Planets</i> , 2019 , 124, 1266-1281	4.1	10
56	Contrasting Responses of Midlatitude Jets to the North Pacific and North Atlantic Warming. <i>Geophysical Research Letters</i> , 2019 , 46, 3973-3981	4.9	3
55	Jet-Precipitation Relation and Future Change of the Mei-Yu/Baiu Rainband and Subtropical Jet in CMIP5 Coupled GCM Simulations. <i>Journal of Climate</i> , 2019 , 32, 2247-2259	4.4	20
54	Long-term Variations of Venus's 365 nm Albedo Observed by Venus Express, Akatsuki, MESSENGER, and the Hubble Space Telescope. <i>Astronomical Journal</i> , 2019 , 158, 126	4.9	18

53	Ultraviolet imager on Venus orbiter and its initial results. <i>Earth, Planets and Space</i> , 2018 , 70, 23	2.9	23
52	Mean winds at the cloud top of Venus obtained from two-wavelength UV imaging by Akatsuki. <i>Earth, Planets and Space</i> , 2018 , 70,	2.9	36
51	Venus looks different from day to night across wavelengths: morphology from Akatsuki multispectral images. <i>Earth, Planets and Space</i> , 2018 , 70, 24	2.9	23
50	Nightside Winds at the Lower Clouds of Venus with Akatsuki /IR2: Longitudinal, Local Time, and Decadal Variations from Comparison with Previous Measurements. <i>Astrophysical Journal, Supplement Series</i> , 2018 , 239, 29	8	15
49	Reintensification and Eyewall Formation in Strong Shear: A Case Study of Typhoon Noul (2015). <i>Monthly Weather Review</i> , 2018 , 146, 2799-2817	2.4	3
48	Large stationary gravity wave in the atmosphere of Venus. <i>Nature Geoscience</i> , 2017 , 10, 85-88	18.3	79
47	Meandering Subtropical Jet and Precipitation over Summertime East Asia and the Northwestern Pacific. <i>Journals of the Atmospheric Sciences</i> , 2017 , 74, 1233-1247	2.1	16
46	Venus's winds and temperatures during the MESSENGER's flyby: An approximation to a three-dimensional instantaneous state of the atmosphere. <i>Geophysical Research Letters</i> , 2017 , 44, 3907-3915	4.9	16
45	Performance of Akatsuki/IR2 in Venus orbit: the first year. <i>Earth, Planets and Space</i> , 2017 , 69,	2.9	21
44	Equatorial jet in the lower to middle cloud layer of Venus revealed by Akatsuki. <i>Nature Geoscience</i> , 2017 , 10, 646-651	18.3	24
43	Image velocimetry for clouds with relaxation labeling based on deformation consistency. <i>Measurement Science and Technology</i> , 2017 , 28, 085301	2	12
42	Precipitation Characteristics over East Asia in Early Summer: Effects of the Subtropical Jet and Lower-Tropospheric Convective Instability. <i>Journal of Climate</i> , 2017 , 30, 8127-8147	4.4	19
41	Topographical and Local Time Dependence of Large Stationary Gravity Waves Observed at the Cloud Top of Venus. <i>Geophysical Research Letters</i> , 2017 , 44, 12,098	4.9	33
40	Overview of Akatsuki data products: definition of data levels, method and accuracy of geometric correction. <i>Earth, Planets and Space</i> , 2017 , 69,	2.9	17
39	Pacific Ocean decadal forcing of long-term changes in the western Pacific subtropical high. <i>Scientific Reports</i> , 2016 , 6, 37765	4.9	17
38	Response of the Baiu Rainband to Northwest Pacific SST Anomalies and Its Impact on Atmospheric Circulation. <i>Journal of Climate</i> , 2016 , 29, 3075-3093	4.4	9
37	AKATSUKI returns to Venus. <i>Earth, Planets and Space</i> , 2016 , 68,	2.9	69
36	VENUS CLOUD MORPHOLOGY AND MOTIONS FROM GROUND-BASED IMAGES AT THE TIME OF THE AKATSUKI ORBIT INSERTION. <i>Astrophysical Journal Letters</i> , 2016 , 833, L7	7.9	13

35	Improved automatic estimation of winds at the cloud top of Venus using superposition of cross-correlation surfaces. <i>Icarus</i> , 2016 , 271, 98-119	3.8	19
34	Influence of Upper Tropospheric Disturbances on the Synoptic Variability of Precipitation and Moisture Transport over Summertime East Asia and the Northwestern Pacific. <i>Journal of the Meteorological Society of Japan</i> , 2014 , 92, 519-541	2.8	30
33	Modulation of Seasonal Precipitation over the Tropical Western/Central Pacific by Convectively Coupled Mixed Rossby-Gravity Waves. <i>Journals of the Atmospheric Sciences</i> , 2013 , 70, 600-606	2.1	6
32	An Experimental Data Handling System for Ensemble Numerical Weather Predictions Using a Web-Based Data Server and Analysis Tool "Gfdnavi". <i>Journal of Disaster Research</i> , 2013 , 8, 48-56	0.8	
31	Moist Hadley Circulation: Possible Role of Wave-Convection Coupling in Aquaplanet Experiments. <i>Journals of the Atmospheric Sciences</i> , 2012 , 69, 891-907	2.1	8
30	"Gtool": a Fortran90 library of input/output interfaces for self-descriptive multi-dimensional numerical data. <i>Geoscientific Model Development</i> , 2012 , 5, 449-455	6.3	2
29	Low Cloud Modulation by Synoptic Waves over the Eastern Tropical Pacific. <i>Journal of the Meteorological Society of Japan</i> , 2012 , 90, 947-958	2.8	
28	Overview of Venus orbiter, Akatsuki. <i>Earth, Planets and Space</i> , 2011 , 63, 443-457	2.9	54
27	Gfdnavi, Web-Based Data and Knowledge Server Software for Geophysical Fluid Sciences, Part I: Rationales, Stand-Alone Features, and Supporting Knowledge Documentation Linked to Data. <i>Lecture Notes in Computer Science</i> , 2010 , 93-104	0.9	3
26	Gfdnavi, Web-Based Data and Knowledge Server Software for Geophysical Fluid Sciences, Part II: RESTful Web Services and Object-Oriented Programming Interface. <i>Lecture Notes in Computer Science</i> , 2010 , 105-116	0.9	3
25	Spatial structures and statistics of atmospheric gravity waves derived using a heuristic vertical cross-section extraction from COSMIC GPS radio occultation data. <i>Journal of Geophysical Research</i> , 2009 , 114,		17
24	A numerical study of upward-propagating gravity waves in two different MJO phases. <i>Geophysical Research Letters</i> , 2008 , 35,	4.9	2
23	The 5-8-Day Kelvin and Rossby Waves in the Tropics as Revealed by Ground and Satellite-Based Observations. <i>Journal of the Meteorological Society of Japan</i> , 2008 , 86, 43-55	2.8	5
22	An intense gravity wave near the mesopause region observed by a Fabry-Perot interferometer and an airglow imager. <i>Journal of Geophysical Research</i> , 2007 , 112,		3
21	Vertical wind observation in the tropical upper troposphere by VHF wind profiler: A case study. <i>Radio Science</i> , 2007 , 42, n/a-n/a	1.4	6
20	Momentum Flux Spectrum of Convectively Forced Gravity Waves: Can Diabatic Forcing Be a Proxy for Convective Forcing?. <i>Journals of the Atmospheric Sciences</i> , 2005 , 62, 4113-4120	2.1	9
19	Simulated breaking of convectively generated mesoscale gravity waves and airglow modulation. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2004 , 66, 755-767	2	9
18	Modulation of the midlatitude ionospheric E region by atmospheric gravity waves through polarization electric field. <i>Journal of Geophysical Research</i> , 2004 , 109,		28

17	The Lateral Transport of Zonal Momentum Due to Kelvin Waves in a Meridional Circulation. <i>Journals of the Atmospheric Sciences</i> , 2004 , 61, 1966-1975	2.1	7
16	Tropical Cumulus Convection and Upward-Propagating Waves in Middle-Atmospheric GCMs. <i>Journals of the Atmospheric Sciences</i> , 2003 , 60, 2765-2782	2.1	89
15	Performance of the Meteolabor Snow White Chilled-Mirror Hygrometer in the Tropical Troposphere: Comparisons with the Vaisala RS80 A/H-Humicap Sensors. <i>Journal of Atmospheric and Oceanic Technology</i> , 2003 , 20, 1534-1542	2	47
14	Convective Impact on Temperatures Observed near the Tropical Tropopause. <i>Journals of the Atmospheric Sciences</i> , 2003 , 60, 1847-1856	2.1	80
13	Turbulence at the tropopause due to breaking Kelvin waves observed by the Equatorial Atmosphere Radar. <i>Geophysical Research Letters</i> , 2003 , 30,	4.9	39
12	Kelvin-Helmholtz instability around the tropical tropopause observed with the Equatorial Atmosphere Radar. <i>Geophysical Research Letters</i> , 2003 , 30,	4.9	33
11	High time resolution determination of the tropical tropopause by the Equatorial Atmosphere Radar. <i>Geophysical Research Letters</i> , 2003 , 30,	4.9	24
10	Sea-Breeze Circulation over Jakarta, Indonesia: A Climatology Based on Boundary Layer Radar Observations. <i>Monthly Weather Review</i> , 2002 , 130, 2153-2166	2.4	52
9	Convectively generated mesoscale gravity waves simulated throughout the middle atmosphere. <i>Geophysical Research Letters</i> , 2002 , 29, 3-1	4.9	84
8	Mesoscale Variability of Tropical Precipitation: Validation of Satellite Estimates of Wave Forcing Using TOGA COARE Radar Data. <i>Journals of the Atmospheric Sciences</i> , 2002 , 59, 2428-2437	2.1	8
7	The quasi-biennial oscillation. <i>Reviews of Geophysics</i> , 2001 , 39, 179-229	23.1	1337
6	On the Dynamics of Easterly Waves, Monsoon Depressions, and Tropical Depression Type Disturbances. <i>Journal of the Meteorological Society of Japan</i> , 2000 , 78, 167-173	2.8	11
5	Synoptic-scale Rossby waves and the geographic distribution of lateral transport routes between the tropics and the extratropics in the lower stratosphere. <i>Journal of Geophysical Research</i> , 2000 , 105, 26579-26592		20
4	Wave-Mean Flow Interaction Associated with a QBO-like Oscillation Simulated in a Simplified GCM. <i>Journals of the Atmospheric Sciences</i> , 1998 , 55, 502-526	2.1	65
3	Propagation of Waves Exited by Localized Episodic Heating in the Tropics and Their Effect on the Middle Atmosphere. <i>Journal of the Meteorological Society of Japan</i> , 1997 , 75, 641-656	2.8	7
2	Excitation of Transient Waves by Localized Episodic Heating in the Tropics and Their Propagation into the Middle Atmosphere. <i>Journal of the Meteorological Society of Japan</i> , 1996 , 74, 189-210	2.8	19
1	Kelvin Wave Activity and the Quasi-Biennial Oscillation in the Equatorial Lower Stratosphere. <i>Journal of the Meteorological Society of Japan</i> , 1993 , 71, 175-182	2.8	30