

Norihiko Sugimoto

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4854376/publications.pdf>

Version: 2024-02-01

39
papers

647
citations

567281

15
h-index

580821

25
g-index

40
all docs

40
docs citations

40
times ranked

368
citing authors

#	ARTICLE	IF	CITATIONS
1	Wave analysis in the atmosphere of Venus below 100-km altitude, simulated by the LMD Venus GCM. <i>Icarus</i> , 2016, 278, 38-51.	2.5	84
2	Waves in a Venus general circulation model. <i>Geophysical Research Letters</i> , 2014, 41, 7461-7467.	4.0	52
3	Inverse insolation dependence of Venus's cloud-level convection. <i>Icarus</i> , 2014, 228, 181-188.	2.5	47
4	Baroclinic instability in the Venus atmosphere simulated by GCM. <i>Journal of Geophysical Research E: Planets</i> , 2014, 119, 1950-1968.	3.6	43
5	Three-Dimensional Structures of Thermal Tides Simulated by a Venus GCM. <i>Journal of Geophysical Research E: Planets</i> , 2018, 123, 335-352.	3.6	42
6	The puzzling Venusian polar atmospheric structure reproduced by a general circulation model. <i>Nature Communications</i> , 2016, 7, 10398.	12.8	37
7	Thermal structure of the Venusian atmosphere from the sub-cloud region to the mesosphere as observed by radio occultation. <i>Scientific Reports</i> , 2020, 10, 3448.	3.3	36
8	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
9	Local Time Dependence of the Thermal Structure in the Venusian Equatorial Upper Atmosphere: Comparison of Akatsuki Radio Occultation Measurements and GCM Results. <i>Journal of Geophysical Research E: Planets</i> , 2018, 123, 2270-2280.	3.6	28
10	A Theoretical Study on the Spontaneous Radiation of Inertia-Gravity Waves Using the Renormalization Group Method. Part I: Derivation of the Renormalization Group Equations. <i>Journals of the Atmospheric Sciences</i> , 2015, 72, 957-983.	1.7	26
11	Fully Developed Superrotation Driven by the Mean Meridional Circulation in a Venus GCM. <i>Geophysical Research Letters</i> , 2019, 46, 1776-1784.	4.0	24
12	Parameter Sweep Experiments on Spontaneous Gravity Wave Radiation from Unsteady Rotational Flow in an f-Plane Shallow Water System. <i>Journals of the Atmospheric Sciences</i> , 2008, 65, 235-249.	1.7	18
13	A Theoretical Study on the Spontaneous Radiation of Inertia-Gravity Waves Using the Renormalization Group Method. Part II: Verification of the Theoretical Equations by Numerical Simulation. <i>Journals of the Atmospheric Sciences</i> , 2015, 72, 984-1009.	1.7	17
14	Development of an ensemble Kalman filter data assimilation system for the Venusian atmosphere. <i>Scientific Reports</i> , 2017, 7, 9321.	3.3	16
15	Vertical structure of the axisymmetric temperature disturbance in the Venusian polar atmosphere: Comparison between radio occultation measurements and GCM results. <i>Journal of Geophysical Research E: Planets</i> , 2017, 122, 1687-1703.	3.6	16
16	Cyclone-anticyclone asymmetry in gravity wave radiation from a co-rotating vortex pair in rotating shallow water. <i>Journal of Fluid Mechanics</i> , 2015, 772, 80-106.	3.4	12
17	Generation and backreaction of spontaneously emitted inertia-gravity waves. <i>Geophysical Research Letters</i> , 2016, 43, 3519-3525.	4.0	11
18	Impact of Data Assimilation on Thermal Tides in the Case of Venus Express Wind Observation. <i>Geophysical Research Letters</i> , 2019, 46, 4573-4580.	4.0	11

#	ARTICLE	IF	CITATIONS
19	A GCM Study on the 4â€Day and 5â€Day Waves in the Venus Atmosphere. Journal of Geophysical Research E: Planets, 2022, 127, .	3.6	11
20	Gravity wave radiation from unsteady rotational flow in an f -plane shallow water system. Fluid Dynamics Research, 2007, 39, 731-754.	1.3	10
21	Venusian Cloud Distribution Simulated by a General Circulation Model. Journal of Geophysical Research E: Planets, 2020, 125, e2019JE006208.	3.6	10
22	Balance regimes for the stability of a jet in an f -plane shallow water system. Fluid Dynamics Research, 2007, 39, 353-377.	1.3	9
23	Generation of gravity waves from thermal tides in the Venus atmosphere. Nature Communications, 2021, 12, 3682.	12.8	9
24	Spontaneous Gravity Wave Radiation in a Shallow Water System on a Rotating Sphere. Journal of the Meteorological Society of Japan, 2012, 90, 101-125.	1.8	8
25	A First Attempt to Apply High Speed Spherical Self-organizing Map to Huge Climate Datasets. Scientific Online Letters on the Atmosphere, 2008, 4, 41-44.	1.4	6
26	Observing system simulation experiment for radio occultation measurements of the Venus atmosphere among small satellites. Journal of Japan Society of Civil Engineers Ser A2 (Applied) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 457	1.4	6
27	Observing System Simulation Experiment to Reproduce Kelvin Wave in the Venus Atmosphere. Atmosphere, 2021, 12, 14.	2.3	4
28	A Sensitivity Study of the Thermal Tides in the Venusian Atmosphere: Structures and Dynamical Effects on the Superrotation. Journal of Geophysical Research E: Planets, 2022, 127, .	3.6	4
29	A Dynamical Mechanism for Secondary Eyewall Formation in Tropical Cyclones. Journals of the Atmospheric Sciences, 2018, 75, 3965-3986.	1.7	3
30	Quasi-Periodic Variation of the Lower Equatorial Cloud Induced by Atmospheric Waves on Venus. Journal of Geophysical Research E: Planets, 2021, 126, e2020JE006781.	3.6	3
31	Inertia-gravity wave radiation from the merging of two co-rotating vortices in the f -plane shallow water system. Physics of Fluids, 2015, 27, 121701.	4.0	2
32	Inertia-gravity wave radiation from the elliptical vortex in the f -plane shallow water system. Fluid Dynamics Research, 2017, 49, 025508.	1.3	2
33	Kelvin Wave and Its Impact on the Venus Atmosphere Tested by Observing System Simulation Experiment. Atmosphere, 2022, 13, 182.	2.3	2
34	Dynamical Effect on Static Stability of the Venus Atmosphere Simulated Using a General Circulation Model: A Comparison With Radio Occultation Measurements. Journal of Geophysical Research E: Planets, 2022, 127, .	3.6	2
35	Source Models of Gravity Waves in an F -plane Shallow Water System. , 2007, , 221-225.		1
36	Numerical Modeling for Venus Atmosphere Based on AFES (Atmospheric GCM for the Earth Simulator). Communications in Computer and Information Science, 2012, , 70-78.	0.5	1

#	ARTICLE	IF	CITATIONS
37	Visualization of Huge Climate Data with High-Speed Spherical Self-Organizing Map. Journal of Advanced Computational Intelligence and Intelligent Informatics, 2009, 13, 210-216.	0.9	1
38	Nonlinear Interaction Between Vortex and Wave in Rotating Shallow Water. , 2017, , .		0
39	A Fast Non-Empirical Tropical Cyclone Identification Method. , 2009, , 251-263.		0