Ling Wang

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/1217668/publications.pdf

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15	474	840776 11	996975 15
papers	citations	h-index	g-index

15	15	15	350
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Gravity Wave Instability Dynamics at High Reynolds Numbers. Part I: Wave Field Evolution at Large Amplitudes and High Frequencies. Journals of the Atmospheric Sciences, 2009, 66, 1126-1148.	1.7	101
2	Gravity Wave Instability Dynamics at High Reynolds Numbers. Part II: Turbulence Evolution, Structure, and Anisotropy. Journals of the Atmospheric Sciences, 2009, 66, 1149-1171.	1.7	88
3	Gravity Waveâ€“Fine Structure Interactions. Part I: Influences of Fine Structure Form and Orientation on Flow Evolution and Instability. Journals of the Atmospheric Sciences, 2013, 70, 3710-3734.	1.7	44
4	Numerical Modeling of Multiscale Dynamics at a High Reynolds Number: Instabilities, Turbulence, and an Assessment of Ozmidov and Thorpe Scales. Journals of the Atmospheric Sciences, 2016, 73, 555-578.	1.7	43
5	Gravity waveâ€“fine structure interactions: A reservoir of smallâ€scale and largeâ€scale turbulence energy. Geophysical Research Letters, 2009, 36, .	4.0	35
6	High-resolution observations and modeling of turbulence sources, structures, and intensities in the upper mesosphere. Journal of Atmospheric and Solar-Terrestrial Physics, 2017, 162, 57-78.	1.6	35
7	Gravity Wave Dynamics in a Mesospheric Inversion Layer: 1. Reflection, Trapping, and Instability Dynamics. Journal of Geophysical Research D: Atmospheres, 2018, 123, 626-648.	3.3	27
8	PMC Turbo: Studying Gravity Wave and Instability Dynamics in the Summer Mesosphere Using Polar Mesospheric Cloud Imaging and Profiling From a Stratospheric Balloon. Journal of Geophysical Research D: Atmospheres, 2019, 124, 6423-6443.	3.3	27
9	Gravity Waveâ€“Fine Structure Interactions. Part II: Energy Dissipation Evolutions, Statistics, and Implications. Journals of the Atmospheric Sciences, 2013, 70, 3735-3755.	1.7	21
10	Observations of the Breakdown of Mountain Waves Over the Andes Lidar Observatory at Cerro Pachon on 8/9 July 2012. Journal of Geophysical Research D: Atmospheres, 2018, 123, 276-299.	3.3	19
11	Gravity Wave Dynamics in a Mesospheric Inversion Layer: 2. Instabilities, Turbulence, Fluxes, and Mixing. Journal of Geophysical Research D: Atmospheres, 2018, 123, 649-670.	3.3	15
12	Multi-scale dynamics of Kelvinâ€“Helmholtz instabilities. Part 1. Secondary instabilities and the dynamics of tubes and knots. Journal of Fluid Mechanics, 2022, 941, .	3.4	9
13	Multi-scale dynamics of Kelvinâ€“Helmholtz instabilities. Part 2. Energy dissipation rates, evolutions and statistics. Journal of Fluid Mechanics, 2022, 941, .	3.4	5
14	Instabilities, Dynamics, and Energetics accompanying Atmospheric Layering (IDEAL): high-resolution in situ observations and modeling in and above the nocturnal boundary layer. Atmospheric Measurement Techniques, 2022, 15, 4023-4045.	3.1	4
15	Numerical Simulations of Highâ€Frequency Gravity Wave Propagation Through Fine Structures in the Mesosphere. Journal of Geophysical Research D: Atmospheres, 2019, 124, 9372-9390.	3.3	1