

# Ling Wang

## List of Publications by Year in descending order

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Version: 2024-02-01

15  
papers

474  
citations

840776

11  
h-index

996975

15  
g-index

15  
all docs

15  
docs citations

15  
times ranked

350  
citing authors

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