

Najda Villefranque

List of Publications by Citations

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

12
papers

74
citations

6
h-index

8
g-index

16
ext. papers

119
ext. citations

5.3
avg, IF

2.48
L-index

#	Paper	IF	Citations
12	Object-Oriented Identification of Coherent Structures in Large Eddy Simulations: Importance of Downdrafts in Stratocumulus. <i>Geophysical Research Letters</i> , 2019 , 46, 2854-2864	4.9	15
11	A Path-Tracing Monte Carlo Library for 3-D Radiative Transfer in Highly Resolved Cloudy Atmospheres. <i>Journal of Advances in Modeling Earth Systems</i> , 2019 , 11, 2449-2473	7.1	12
10	Entrapment: An Important Mechanism to Explain the Shortwave 3D Radiative Effect of Clouds. <i>Journals of the Atmospheric Sciences</i> , 2019 , 2019, 48-66	2.1	10
9	Process-Based Climate Model Development Harnessing Machine Learning: I. A Calibration Tool for Parameterization Improvement. <i>Journal of Advances in Modeling Earth Systems</i> , 2021 , 13, e2020MS002217	7.1	10
8	Convergence issues in derivatives of Monte Carlo null-collision integral formulations: A solution. <i>Journal of Computational Physics</i> , 2020 , 413, 109463	4.1	7
7	Process-Based Climate Model Development Harnessing Machine Learning: II. Model Calibration From Single Column to Global. <i>Journal of Advances in Modeling Earth Systems</i> , 2021 , 13, e2020MS002225	7.1	6
6	Accounting for Vertical Subgrid-Scale Heterogeneity in Low-Level Cloud Fraction Parameterizations. <i>Journal of Advances in Modeling Earth Systems</i> , 2018 , 10, 2686-2705	7.1	6
5	Three viewpoints on null-collision Monte Carlo algorithms. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2021 , 260, 107402	2.1	3
4	A Physically Based Definition of Convectively Generated Density Currents: Detection and Characterization in Convection-Permitting Simulations. <i>Journal of Advances in Modeling Earth Systems</i> , 2021 , 13, e2020MS002402	7.1	2
3	Process-Based Climate Model Development Harnessing Machine Learning: III. The Representation of Cumulus Geometry and Their 3D Radiative Effects. <i>Journal of Advances in Modeling Earth Systems</i> , 2021 , 13, e2020MS002423	7.1	1
2	Use of large-eddy simulations to design an adaptive sampling strategy to assess cumulus cloud heterogeneities by remotely piloted aircraft. <i>Atmospheric Measurement Techniques</i> , 2022 , 15, 335-352	4	0
1	Evidence for the 3D Radiative Effects of Boundary-Layer Clouds From Observations of Direct and Diffuse Surface Solar Fluxes. <i>Geophysical Research Letters</i> , 2021 , 48, e2021GL093369	4.9	0