

Martin Simran Singh

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

738
citations

623734

14
h-index

526287

27
g-index

29
all docs

29
docs citations

29
times ranked

779
citing authors

#	ARTICLE	IF	CITATIONS
1	Revisiting ENSO and IOD Contributions to Australian Precipitation. <i>Geophysical Research Letters</i> , 2022, 49, .	4.0	9
2	The climate system and the second law of thermodynamics. <i>Reviews of Modern Physics</i> , 2022, 94, .	45.6	14
3	Identifying Relations Between Deep Convection and the Large-Scale Atmosphere Using Explainable Artificial Intelligence. <i>Journal of Geophysical Research D: Atmospheres</i> , 2022, 127, .	3.3	4
4	On the Interaction between Moist Convection and Large-Scale Ascent in the Tropics. <i>Journal of Climate</i> , 2022, 35, 4417-4435.	3.2	3
5	Increased Large-Scale Convective Aggregation in CMIP5 Projections: Implications for Tropical Precipitation Extremes. <i>Geophysical Research Letters</i> , 2022, 49, .	4.0	2
6	Response of Tropical Cyclone Formation and Intensification Rates to Climate Warming in Idealized Simulations. <i>Journal of Advances in Modeling Earth Systems</i> , 2020, 12, e2020MS002086.	3.8	14
7	A joint role for forced and internally-driven variability in the decadal modulation of global warming. <i>Nature Communications</i> , 2020, 11, 3827.	12.8	15
8	Clouds and Convective Self-Aggregation in a Multimodel Ensemble of Radiative-Convective Equilibrium Simulations. <i>Journal of Advances in Modeling Earth Systems</i> , 2020, 12, e2020MS002138.	3.8	86
9	Assessing Convective Organization in Tropical Radar Observations. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2019JD031801.	3.3	15
10	Simulations of Radiative-Convective-Dynamical Equilibrium. <i>Journal of Advances in Modeling Earth Systems</i> , 2020, 12, e2019MS001734.	3.8	4
11	Radiative Convective Equilibrium and Organized Convection: An Observational Perspective. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 5418-5430.	3.3	40
12	The Vertical Momentum Budget of Shallow Cumulus Convection: Insights From a Lagrangian Perspective. <i>Journal of Advances in Modeling Earth Systems</i> , 2019, 11, 113-126.	3.8	6
13	Limits on the Extent of the Solstitial Hadley Cell: The Role of Planetary Rotation. <i>Journals of the Atmospheric Sciences</i> , 2019, 76, 1989-2004.	1.7	20
14	A Moist Entropy Budget View of the South Asian Summer Monsoon Onset. <i>Geophysical Research Letters</i> , 2019, 46, 4476-4484.	4.0	9
15	A Steady-State Model for the Relationship Between Humidity, Instability, and Precipitation in the Tropics. <i>Journal of Advances in Modeling Earth Systems</i> , 2019, 11, 3973-3994.	3.8	23
16	Convective Precipitation Efficiency Observed in the Tropics. <i>Geophysical Research Letters</i> , 2019, 46, 13574-13583.	4.0	20
17	Increase in the skewness of extratropical vertical velocities with climate warming: fully nonlinear simulations versus moist baroclinic instability. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2018, 144, 208-217.	2.7	17
18	Future Community Efforts in Understanding and Modeling Atmospheric Processes. <i>Bulletin of the American Meteorological Society</i> , 2018, 99, ES159-ES162.	3.3	1

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19	Eddy Influences on the Strength of the Hadley Circulation: Dynamic and Thermodynamic Perspectives. <i>Journals of the Atmospheric Sciences</i> , 2017, 74, 467-486.	1.7	21
20	Increasing potential for intense tropical and subtropical thunderstorms under global warming. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 11657-11662.	7.1	51
21	Scaling of the entropy budget with surface temperature in radiative-convective equilibrium. <i>Journal of Advances in Modeling Earth Systems</i> , 2016, 8, 1132-1150.	3.8	11
22	Extratropical Cyclones in Idealized Simulations of Changed Climates. <i>Journal of Climate</i> , 2015, 28, 9373-9392.	3.2	55
23	Increases in moist-convective updraught velocities with warming in radiative-convective equilibrium. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2015, 141, 2828-2838.	2.7	56
24	Influence of microphysics on the scaling of precipitation extremes with temperature. <i>Geophysical Research Letters</i> , 2014, 41, 6037-6044.	4.0	86
25	A single-column model ensemble approach applied to the TWP-ICE experiment. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 6544-6563.	3.3	33
26	Influence of entrainment on the thermal stratification in simulations of radiative-convective equilibrium. <i>Geophysical Research Letters</i> , 2013, 40, 4398-4403.	4.0	110
27	The Relative Humidity in an Isentropic Advection-Condensation Model: Limited Poleward Influence and Properties of Subtropical Minima. <i>Journals of the Atmospheric Sciences</i> , 2011, 68, 3079-3093.	1.7	13