

Joseph J Tribbia

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

1,460
citations

516215

16
h-index

642321

23
g-index

23
all docs

23
docs citations

23
times ranked

1568
citing authors

#	ARTICLE	IF	CITATIONS
1	A new synoptic scale resolving global climate simulation using the Community Earth System Model. <i>Journal of Advances in Modeling Earth Systems</i> , 2014, 6, 1065-1094.	1.3	262
2	CESM1(WACCM) Stratospheric Aerosol Geoengineering Large Ensemble Project. <i>Bulletin of the American Meteorological Society</i> , 2018, 99, 2361-2371.	1.7	129
3	Radiative and Chemical Response to Interactive Stratospheric Sulfate Aerosols in Fully Coupled CESM1(WACCM). <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 13,061.	1.2	128
4	First Simulations of Designing Stratospheric Sulfate Aerosol Geoengineering to Meet Multiple Simultaneous Climate Objectives. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 12,616.	1.2	114
5	The Climate Response to Stratospheric Aerosol Geoengineering Can Be Tailored Using Multiple Injection Locations. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 12,574.	1.2	95
6	NCAR Release of CAM-SE in CESM2.0: A Reformulation of the Spectral Element Dynamical Core in Dry-Mass Vertical Coordinates With Comprehensive Treatment of Condensates and Energy. <i>Journal of Advances in Modeling Earth Systems</i> , 2018, 10, 1537-1570.	1.3	91
7	The Spectral Element Atmosphere Model (SEAM): High-Resolution Parallel Computation and Localized Resolution of Regional Dynamics. <i>Monthly Weather Review</i> , 2004, 132, 726-748.	0.5	85
8	The MJO and Convectively Coupled Waves in a Coarse-Resolution GCM with a Simple Multicloud Parameterization. <i>Journals of the Atmospheric Sciences</i> , 2011, 68, 240-264.	0.6	84
9	Sensitivity of Aerosol Distribution and Climate Response to Stratospheric SO ₂ Injection Locations. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 12,591.	1.2	79
10	Stratospheric Dynamical Response and Ozone Feedbacks in the Presence of SO ₂ Injections. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 12,557.	1.2	69
11	AMIP Simulation with the CAM4 Spectral Element Dynamical Core. <i>Journal of Climate</i> , 2013, 26, 689-709.	1.2	60
12	Effects of Different Stratospheric SO ₂ Injection Altitudes on Stratospheric Chemistry and Dynamics. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 4654-4673.	1.2	58
13	Comparing Surface and Stratospheric Impacts of Geoengineering With Different SO ₂ Injection Strategies. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 7900-7918.	1.2	56
14	Open Boundary Conditions for the Primitive and Boussinesq Equations. <i>Journals of the Atmospheric Sciences</i> , 2003, 60, 2647-2660.	0.6	51
15	The equations of the atmosphere with humidity and saturation: Uniqueness and physical bounds. <i>Physica D: Nonlinear Phenomena</i> , 2013, 264, 49-65.	1.3	25
16	Climate Modeling with Spectral Elements. <i>Monthly Weather Review</i> , 2006, 134, 3610-3624.	0.5	23
17	Stratospheric Response in the First Geoengineering Simulation Meeting Multiple Surface Climate Objectives. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 5762-5782.	1.2	17
18	Numerical approximation of the inviscid 3D primitive equations in a limited domain. <i>ESAIM: Mathematical Modelling and Numerical Analysis</i> , 2012, 46, 619-646.	0.8	11

#	ARTICLE	IF	CITATIONS
19	Simulations of the 2.5D inviscid primitive equations in a limited domain. Journal of Computational Physics, 2008, 227, 9865-9884.	1.9	10
20	The equations of moist advection: a unilateral problem. Quarterly Journal of the Royal Meteorological Society, 2016, 142, 143-146.	1.0	5
21	The equations of the multi-phase humid atmosphere expressed as a quasi variational inequality. Nonlinearity, 2018, 31, 4692-4723.	0.6	5
22	Holistic Assessment of SO ₂ Injections Using CESM1(WACCM): Introduction to the Special Issue. Journal of Geophysical Research D: Atmospheres, 2019, 124, 444-450.	1.2	2
23	Numerical Simulations of the Two-Dimensional Inviscid Hydrostatic Primitive Equations with Humidity and Saturation. Journal of Scientific Computing, 2020, 83, 1.	1.1	1