Joseph J Tribbia

List of Publications by Year
in descending order

23	1,460	516215 16	642321 23
papers	citations	h-index	g-index

23	23	23	1568
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Numerical Simulations of the Two-Dimensional Inviscid Hydrostatic Primitive Equations with Humidity and Saturation. Journal of Scientific Computing, 2020, 83, 1.	1.1	1
2	Comparing Surface and Stratospheric Impacts of Geoengineering With Different SO₂ Injection Strategies. Journal of Geophysical Research D: Atmospheres, 2019, 124, 7900-7918.	1.2	56
3	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
4	CESM1(WACCM) Stratospheric Aerosol Geoengineering Large Ensemble Project. Bulletin of the American Meteorological Society, 2018, 99, 2361-2371.	1.7	129
5	Effects of Different Stratospheric SO₂ Injection Altitudes on Stratospheric Chemistry and Dynamics. Journal of Geophysical Research D: Atmospheres, 2018, 123, 4654-4673.	1.2	58
6	Stratospheric Response in the First Geoengineering Simulation Meeting Multiple Surface Climate Objectives. Journal of Geophysical Research D: Atmospheres, 2018, 123, 5762-5782.	1.2	17
7	The equations of the multi-phase humid atmosphere expressed as a quasi variational inequality. Nonlinearity, 2018, 31, 4692-4723.	0.6	5
8	NCAR Release of CAMâ€SE in CESM2.0: A Reformulation of the Spectral Element Dynamical Core in Dryâ€Mass Vertical Coordinates With Comprehensive Treatment of Condensates and Energy. Journal of Advances in Modeling Earth Systems, 2018, 10, 1537-1570.	1.3	91
9	The Climate Response to Stratospheric Aerosol Geoengineering Can Be Tailored Using Multiple Injection Locations. Journal of Geophysical Research D: Atmospheres, 2017, 122, 12,574.	1.2	95
10	First Simulations of Designing Stratospheric Sulfate Aerosol Geoengineering to Meet Multiple Simultaneous Climate Objectives. Journal of Geophysical Research D: Atmospheres, 2017, 122, 12,616.	1.2	114
11	Sensitivity of Aerosol Distribution and Climate Response to Stratospheric SO₂ Injection Locations. Journal of Geophysical Research D: Atmospheres, 2017, 122, 12,591.	1.2	79
12	Stratospheric Dynamical Response and Ozone Feedbacks in the Presence of SO₂ Injections. Journal of Geophysical Research D: Atmospheres, 2017, 122, 12,557.	1.2	69
13	Radiative and Chemical Response to Interactive Stratospheric Sulfate Aerosols in Fully Coupled CESM1(WACCM). Journal of Geophysical Research D: Atmospheres, 2017, 122, 13,061.	1.2	128
14	The equations of moist advection: a unilateral problem. Quarterly Journal of the Royal Meteorological Society, 2016, 142, 143-146.	1.0	5
15	A new synoptic scale resolving global climate simulation using the Community Earth System Model. Journal of Advances in Modeling Earth Systems, 2014, 6, 1065-1094.	1.3	262
16	The equations of the atmosphere with humidity and saturation: Uniqueness and physical bounds. Physica D: Nonlinear Phenomena, 2013, 264, 49-65.	1.3	25
17	AMIP Simulation with the CAM4 Spectral Element Dynamical Core. Journal of Climate, 2013, 26, 689-709.	1.2	60
18	Numerical approximation of the inviscid 3D primitive equations in a limited domain. ESAIM: Mathematical Modelling and Numerical Analysis, 2012, 46, 619-646.	0.8	11

#	Article	IF	Citations
19	The MJO and Convectively Coupled Waves in a Coarse-Resolution GCM with a Simple Multicloud Parameterization. Journals of the Atmospheric Sciences, 2011, 68, 240-264.	0.6	84
20	Simulations of the 2.5D inviscid primitive equations in a limited domain. Journal of Computational Physics, 2008, 227, 9865-9884.	1.9	10
21	Climate Modeling with Spectral Elements. Monthly Weather Review, 2006, 134, 3610-3624.	0.5	23
22	The Spectral Element Atmosphere Model (SEAM): High-Resolution Parallel Computation and Localized Resolution of Regional Dynamics. Monthly Weather Review, 2004, 132, 726-748.	0.5	85
23	Open Boundary Conditions for the Primitive and Boussinesq Equations. Journals of the Atmospheric Sciences, 2003, 60, 2647-2660.	0.6	51