

Brian A Tinsley

List of Publications by Year in descending order

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38
papers

1,733
citations

361413
20
h-index

315739
38
g-index

40
all docs

40
docs citations

40
times ranked

663
citing authors

#	ARTICLE	IF	CITATIONS
1	Uncertainties in Evaluating Global Electric Circuit Interactions With Atmospheric Clouds and Aerosols, and Consequences for Radiation and Dynamics. <i>Journal of Geophysical Research D: Atmospheres</i> , 2022, 127, .	3.3	11
2	Seasonal and Solar Wind Sector Duration Influences on the Correlation of High Latitude Clouds With Ionospheric Potential. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2020JD034201.	3.3	10
3	Low Latitude Lightning Activity Responses to Cosmic Ray Forbush Decreases. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL087024.	4.0	3
4	Relationships between the solar wind magnetic field and ground-level longwave irradiance at high northern latitudes. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2019, 193, 105063.	1.6	15
5	Parameterization of Inâ€Cloud Aerosol Scavenging Due to Atmospheric Ionization: Part 4. Effects of Varying Altitude. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 13105-13126.	3.3	6
6	Parameterization of Inâ€Cloud Aerosol Scavenging Due To Atmospheric Ionization: 2. Effects of Varying Particle Density. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 3099-3115.	3.3	7
7	The zonal-mean and regional tropospheric pressure responses to changes in ionospheric potential. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2018, 171, 111-118.	1.6	13
8	Parameterization of Inâ€Cloud Aerosol Scavenging Due to Atmospheric Ionization: Part 3. Effects of Varying Droplet Radius. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 10,546.	3.3	9
9	The response of longwave radiation at the South Pole to electrical and magnetic variations: Links to meteorological generators and the solar wind. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2018, 179, 214-224.	1.6	17
10	Parameterization of aerosol scavenging due to atmospheric ionization under varying relative humidity. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 5330-5350.	3.3	14
11	Correlations of global sea surface temperatures with the solar wind speed. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2016, 149, 232-239.	1.6	18
12	Solar wind-atmospheric electricity-cloud microphysics connections to weather and climate. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2016, 149, 277-290.	1.6	59
13	Parameterization of aerosol scavenging due to atmospheric ionization. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 8389-8410.	3.3	23
14	Comments on "Effect of Electric Charge on Collisions between Cloud Droplets". <i>Journal of Applied Meteorology and Climatology</i> , 2014, 53, 1317-1320.	1.5	7
15	Effects on winter circulation of short and long term solar wind changes. <i>Advances in Space Research</i> , 2014, 54, 2478-2490.	2.6	23
16	Charge modulation of scavenging in clouds: Extension of Monte Carlo simulations and initial parameterization. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 8612-8624.	3.3	17
17	The links between atmospheric vorticity, radiation belt electrons, and the solar wind. <i>Advances in Space Research</i> , 2012, 50, 783-790.	2.6	24
18	Time dependent charging of layer clouds in the global electric circuit. <i>Advances in Space Research</i> , 2012, 50, 828-842.	2.6	23

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19	The role of volcanic aerosols and relativistic electrons in modulating winter storm vorticity. <i>Advances in Space Research</i> , 2012, 50, 819-827.	2.6	11
20	Global electric circuit modulation of winter cyclone vorticity in the northern high latitudes. <i>Advances in Space Research</i> , 2012, 50, 806-818.	2.6	5
21	A working hypothesis for connections between electrically-induced changes in cloud microphysics and storm vorticity, with possible effects on circulation. <i>Advances in Space Research</i> , 2012, 50, 791-805.	2.6	43
22	Global Circuit Model with Clouds. <i>Journals of the Atmospheric Sciences</i> , 2010, 67, 1143-1156.	1.7	27
23	Electric charge modulation of aerosol scavenging in clouds: Rate coefficients with Monte Carlo simulation of diffusion. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	31
24	Scavenging in weakly electrified saturated and subsaturated clouds, treating aerosol particles and droplets as conducting spheres. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	24
25	The Terrestrial Cosmic Ray Flux: Its Importance for Climate. <i>Eos</i> , 2009, 90, 397-398.	0.1	8
26	Production of space charge at the boundaries of layer clouds. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	82
27	The role of the global electric circuit in solar and internal forcing of clouds and climate. <i>Advances in Space Research</i> , 2007, 40, 1126-1139.	2.6	76
28	Initial results of a global circuit model with variable stratospheric and tropospheric aerosols. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	96
29	Changes in scavenging of particles by droplets due to weak electrification in clouds. <i>Atmospheric Research</i> , 2006, 79, 266-295.	4.1	56
30	On the variability of the stratospheric column resistance in the global electric circuit. <i>Atmospheric Research</i> , 2005, 76, 78-94.	4.1	19
31	Atmospheric ionization and clouds as links between solar activity and climate. <i>Geophysical Monograph Series</i> , 2004, , 321-339.	0.1	45
32	Title is missing!. <i>Space Science Reviews</i> , 2000, 94, 231-258.	8.1	259
33	Are stratospheric aerosols the missing link between tropospheric vorticity and Earth transits of the heliospheric current sheet?. <i>Journal of Geophysical Research</i> , 1996, 101, 29689-29699.	3.3	39
34	Correlations of atmospheric dynamics with solar wind-induced changes of air-Earth current density into cloud tops. <i>Journal of Geophysical Research</i> , 1996, 101, 29701-29714.	3.3	120
35	Stratospheric volcanic aerosols and changes in air-earth current density at solar wind magnetic sector boundaries as conditions for the Wilcox tropospheric vorticity effect. <i>Journal of Geophysical Research</i> , 1994, 99, 16805.	3.3	51
36	Correlations of atmospheric dynamics with solar activity evidence for a connection via the solar wind, atmospheric electricity, and cloud microphysics. <i>Journal of Geophysical Research</i> , 1993, 98, 10375-10384.	3.3	135

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37	Apparent tropospheric response to MeV–GeV particle flux variations: A connection via electrofreezing of supercooled water in high-level clouds?. <i>Journal of Geophysical Research</i> , 1991, 96, 22283-22296.	3.3	207
38	Solar variability influences on weather and climate: Possible connections through cosmic ray fluxes and storm intensification. <i>Journal of Geophysical Research</i> , 1989, 94, 14783-14792.	3.3	99