Brian J Jackel

List of Publications by Year
in descending order

30	1,207	623188	552369
papers	citations	14 h-index	26 g-index

33	33	33	973
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Using a Numerical MHD Model to Improve Solar Wind Time Shifting. Space Weather, 2019, 17, 662-671.	1.3	3
2	Using Mutual Information to Determine Geoeffectiveness of Solar Wind Phase Fronts With Different Front Orientations. Journal of Geophysical Research: Space Physics, 2019, 124, 1582-1592.	0.8	10
3	Optical Spectra and Emission Altitudes of Doubleâ€Layer STEVE: A Case Study. Geophysical Research Letters, 2019, 46, 13630-13639.	1.5	26
4	New science in plain sight: Citizen scientists lead to the discovery of optical structure in the upper atmosphere. Science Advances, 2018, 4, eaaq0030.	4.7	100
5	A dedicated Hâ€beta meridian scanning photometer for proton aurora measurement. Journal of Geophysical Research: Space Physics, 2017, 122, 753-764.	0.8	9
6	Birkeland current boundary flows. Journal of Geophysical Research: Space Physics, 2017, 122, 4617-4627.	0.8	21
7	Identifying the 630Ânm auroral arc emission height: A comparison of the triangulation, FAC profile, and electron density methods. Journal of Geophysical Research: Space Physics, 2017, 122, 8181-8197.	0.8	17
8	Stellar spectral flux calibration of auroral Hâ€beta photometer signal and background channels. Journal of Geophysical Research: Space Physics, 2017, 122, 1400-1409.	0.8	0
9	Quantitative evaluation of solar wind time-shifting methods. Space Weather, 2016, 14, 973-981.	1.3	9
10	On the 630â€‰nm redâ€line pulsating aurora: Redâ€line Emission Geospace Observatory observations and model simulations. Journal of Geophysical Research: Space Physics, 2016, 121, 7988-8012.	0.8	28
11	Auroral meridian scanning photometer calibration using Jupiter. Geoscientific Instrumentation, Methods and Data Systems, 2016, 5, 493-512.	0.6	1
12	Auroral spectral estimation with wide-band color mosaic CCDs. Geoscientific Instrumentation, Methods and Data Systems, 2014, 3, 71-94.	0.6	6
13	Orientation of solar wind dynamic pressure phase fronts. Journal of Geophysical Research: Space Physics, 2013, 118, 1379-1388.	0.8	5
14	Geostationary magnetic field response to solar wind pressure variations: Time delay and local time variation. Journal of Geophysical Research, 2012, 117, .	3.3	10
15	Timing and location of substorm onsets from THEMIS satellite and ground based observations. Annales Geophysicae, 2009, 27, 2813-2830.	0.6	26
16	Global observations of substorm injection region evolution: 27 August 2001. Annales Geophysicae, 2009, 27, 2019-2025.	0.6	15
17	The THEMIS Array of Ground-based Observatories forÂthe Study of Auroral Substorms. , 2009, , 357-387.		17
18	The THEMIS Array of Ground-based Observatories forÂthe Study of Auroral Substorms. Space Science Reviews, 2008, 141, 357-387.	3.7	274

#	Article	IF	Citations
19	Observation of isolated highâ€speed auroral streamers and their interpretation as optical signatures of AlfvÃ©n waves generated by bursty bulk flows. Geophysical Research Letters, 2008, 35, .	1.5	9
20	Intensification of preexisting auroral arc at substorm expansion phase onset: Waveâ€like disruption during the first tens of seconds. Geophysical Research Letters, 2008, 35, .	1.5	126
21	Simultaneous THEMIS in situ and auroral observations of a small substorm. Geophysical Research Letters, 2008, 35, .	1.5	89
22	Determination of substorm onset timing and location using the THEMIS ground based observatories. Geophysical Research Letters, 2007, 34, .	1.5	21
23	On the equatorward motion and fading of proton aurora during substorm growth phase. Journal of Geophysical Research, 2007, 112, .	3.3	11
24	The THEMIS all-sky imaging arrayâ€"system design and initial results from the prototype imager. Journal of Atmospheric and Solar-Terrestrial Physics, 2006, 68, 1472-1487.	0.6	139
25	A comprehensive survey of auroral latitude Pc5 pulsation characteristics. Journal of Geophysical Research, 2003, 108, .	3.3	89
26	Width and structure of mesoscale optical auroral arcs. Geophysical Research Letters, 2001, 28, 705-708.	1.5	87
27	Characterization of auroral radar power spectra and autocorrelation functions. Radio Science, 2000, 35, 1009-1023.	0.8	15
28	The relationship of periodic structures in auroral luminosity in the afternoon sector of ULF pulsations. Geophysical Research Letters, 1992, 19, 613-616.	1.5	15
29	Substorm Associated Spikes in High Energy Particle Precipitation. Geophysical Monograph Series, 0, , 227-236.	0.1	10
30	Magnetospheric Dynamics and the Proton Aurora. Geophysical Monograph Series, 0, , 365-378.	0.1	19