

Brian J Jackel

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

1,207
citations

623188

14
h-index

552369

26
g-index

33
all docs

33
docs citations

33
times ranked

973
citing authors

#	ARTICLE	IF	CITATIONS
1	The THEMIS Array of Ground-based Observatories for the Study of Auroral Substorms. <i>Space Science Reviews</i> , 2008, 141, 357-387.	3.7	274
2	The THEMIS all-sky imaging array's system design and initial results from the prototype imager. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2006, 68, 1472-1487.	0.6	139
3	Intensification of preexisting auroral arc at substorm expansion phase onset: Wave-like disruption during the first tens of seconds. <i>Geophysical Research Letters</i> , 2008, 35, .	1.5	126
4	New science in plain sight: Citizen scientists lead to the discovery of optical structure in the upper atmosphere. <i>Science Advances</i> , 2018, 4, eaaq0030.	4.7	100
5	A comprehensive survey of auroral latitude Pc5 pulsation characteristics. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	89
6	Simultaneous THEMIS in situ and auroral observations of a small substorm. <i>Geophysical Research Letters</i> , 2008, 35, .	1.5	89
7	Width and structure of mesoscale optical auroral arcs. <i>Geophysical Research Letters</i> , 2001, 28, 705-708.	1.5	87
8	On the 630-nm redline pulsating aurora: Redline Emission Geospace Observatory observations and model simulations. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 7988-8012.	0.8	28
9	Timing and location of substorm onsets from THEMIS satellite and ground based observations. <i>Annales Geophysicae</i> , 2009, 27, 2813-2830.	0.6	26
10	Optical Spectra and Emission Altitudes of Double-Layer STEVE: A Case Study. <i>Geophysical Research Letters</i> , 2019, 46, 13630-13639.	1.5	26
11	Determination of substorm onset timing and location using the THEMIS ground based observatories. <i>Geophysical Research Letters</i> , 2007, 34, .	1.5	21
12	Birkeland current boundary flows. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 4617-4627.	0.8	21
13	Magnetospheric Dynamics and the Proton Aurora. <i>Geophysical Monograph Series</i> , 0, , 365-378.	0.1	19
14	Identifying the 630-nm auroral arc emission height: A comparison of the triangulation, FAC profile, and electron density methods. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 8181-8197.	0.8	17
15	The THEMIS Array of Ground-based Observatories for the Study of Auroral Substorms. , 2009, , 357-387.		17
16	The relationship of periodic structures in auroral luminosity in the afternoon sector of ULF pulsations. <i>Geophysical Research Letters</i> , 1992, 19, 613-616.	1.5	15
17	Characterization of auroral radar power spectra and autocorrelation functions. <i>Radio Science</i> , 2000, 35, 1009-1023.	0.8	15
18	Global observations of substorm injection region evolution: 27 August 2001. <i>Annales Geophysicae</i> , 2009, 27, 2019-2025.	0.6	15

#	ARTICLE	IF	CITATIONS
19	On the equatorward motion and fading of proton aurora during substorm growth phase. Journal of Geophysical Research, 2007, 112, .	3.3	11
20	Geostationary magnetic field response to solar wind pressure variations: Time delay and local time variation. Journal of Geophysical Research, 2012, 117, .	3.3	10
21	Substorm Associated Spikes in High Energy Particle Precipitation. Geophysical Monograph Series, 0, , 227-236.	0.1	10
22	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
23	Observation of isolated high-speed auroral streamers and their interpretation as optical signatures of Alfvén waves generated by bursty bulk flows. Geophysical Research Letters, 2008, 35, .	1.5	9
24	Quantitative evaluation of solar wind time-shifting methods. Space Weather, 2016, 14, 973-981.	1.3	9
25	A dedicated H β meridian scanning photometer for proton aurora measurement. Journal of Geophysical Research: Space Physics, 2017, 122, 753-764.	0.8	9
26	Auroral spectral estimation with wide-band color mosaic CCDs. Geoscientific Instrumentation, Methods and Data Systems, 2014, 3, 71-94.	0.6	6
27	Orientation of solar wind dynamic pressure phase fronts. Journal of Geophysical Research: Space Physics, 2013, 118, 1379-1388.	0.8	5
28	Using a Numerical MHD Model to Improve Solar Wind Time Shifting. Space Weather, 2019, 17, 662-671.	1.3	3
29	Auroral meridian scanning photometer calibration using Jupiter. Geoscientific Instrumentation, Methods and Data Systems, 2016, 5, 493-512.	0.6	1
30	Stellar spectral flux calibration of auroral H β photometer signal and background channels. Journal of Geophysical Research: Space Physics, 2017, 122, 1400-1409.	0.8	0