

M G Connors

List of Publications by Year in descending order

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Version: 2024-02-01

52
papers

1,440
citations

394286

19
h-index

345118

36
g-index

58
all docs

58
docs citations

58
times ranked

1174
citing authors

#	ARTICLE	IF	CITATIONS
1	Statistics of large impulsive magnetic events in the auroral zone. <i>Journal of Space Weather and Space Climate</i> , 2021, 11, 44.	1.1	2
2	Multi-wavelength Imaging Observations of STEVE at Athabasca, Canada. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA028622.	0.8	14
3	Study of Spatiotemporal Development of Global Distribution of Magnetospheric ELF/VLF Waves Using Ground-based and Satellite Observations, and RAMSCB Simulations, for the March and November 2017 Storms. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA028216.	0.8	3
4	Multi-Event Analysis of Plasma and Field Variations in Source of Stable Auroral Red (SAR) Arcs in Inner Magnetosphere During Non-storm Time Substorms. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA029081.	0.8	7
5	Nighttime Magnetic Perturbation Events Observed in Arctic Canada: 3. Occurrence and Amplitude as Functions of Magnetic Latitude, Local Time, and Magnetic Disturbance Indices. <i>Space Weather</i> , 2021, 19, e2020SW002526.	1.3	15
6	Simultaneous Observation of Two Isolated Proton Auroras at Subauroral Latitudes by a Highly Sensitive All-sky Camera and Van Allen Probes. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA029078.	0.8	7
7	Superposed Epoch Analysis of Nighttime Magnetic Perturbation Events Observed in Arctic Canada. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2021JA029465.	0.8	7
8	SECS Analysis of Nighttime Magnetic Perturbation Events Observed in Arctic Canada. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2021JA029839.	0.8	12
9	Conjugate Observation of Magnetospheric Chorus Propagating to the Ionosphere by Ducting. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL095933.	1.5	8
10	A Case Observation of the Source Region of Auroral Arcs and Diffuse Auroras in the Inner Magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA027310.	0.8	7
11	Wavenumber Spectra of Atmospheric Gravity Waves and Medium-scale Traveling Ionospheric Disturbances Based on More Than 10-Year Airglow Images in Japan, Russia, and Canada. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA026807.	0.8	9
12	Morphological Characteristics of Strong Thermal Emission Velocity Enhancement Emissions. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2020JA028110.	0.8	3
13	First Observations From the TReX Spectrograph: The Optical Spectrum of STEVE and the Picket Fence Phenomena. <i>Geophysical Research Letters</i> , 2019, 46, 7207-7213.	1.5	49
14	Statistical Study of Auroral/Resonant Scattering 427.8-nm Emission Observed at Subauroral Latitudes Over 14 Years. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 9293-9301.	0.8	7
15	Nighttime Magnetic Perturbation Events Observed in Arctic Canada: 2. Multiple Instrument Observations. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 7459-7476.	0.8	35
16	Longitudinal Extent of Magnetospheric ELF/VLF Waves using Multipoint PWING Ground Stations at Subauroral Latitudes. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 9881-9892.	0.8	4
17	Nighttime Magnetic Perturbation Events Observed in Arctic Canada: 1. Survey and Statistical Analysis. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 7442-7458.	0.8	30
18	Visualization of rapid electron precipitation via chorus element wave-particle interactions. <i>Nature Communications</i> , 2019, 10, 257.	5.8	35

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19	Three-Dimensional Fourier Analysis of the Phase Velocity Distributions of Mesospheric and Ionospheric Waves Based on Airglow Images Collected Over 10 Years: Comparison of Magadan, Russia, and Athabasca, Canada. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 8110-8124.	0.8	9
20	Identifying STEVE's Magnetospheric Driver Using Conjugate Observations in the Magnetosphere and on the Ground. <i>Geophysical Research Letters</i> , 2019, 46, 12665-12674.	1.5	35
21	Optical Spectra and Emission Altitudes of Double-Layer STEVE: A Case Study. <i>Geophysical Research Letters</i> , 2019, 46, 13630-13639.	1.5	26
22	Discovery of 1ÂHz Range Modulation of Isolated Proton Aurora at Subauroral Latitudes. <i>Geophysical Research Letters</i> , 2018, 45, 1209-1217.	1.5	18
23	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
24	Microscopic Observations of Pulsating Aurora Associated With Chorus Element Structures: Coordinated Arase Satellite-PWING Observations. <i>Geophysical Research Letters</i> , 2018, 45, 12,125.	1.5	24
25	Rapid Loss of Relativistic Electrons by EMIC Waves in the Outer Radiation Belt Observed by Arase, Van Allen Probes, and the PWING Ground Stations. <i>Geophysical Research Letters</i> , 2018, 45, 12,720.	1.5	25
26	Statistical Analysis of SAR Arc Detachment From the Main Oval Based on 11-Year, All-Sky Imaging Observation at Athabasca, Canada. <i>Geophysical Research Letters</i> , 2018, 45, 11,539.	1.5	16
27	Temporal and Spatial Correspondence of Pc1/EMIC Waves and Relativistic Electron Precipitations Observed With Ground-Based Multi-Instruments on 27 March 2017. <i>Geophysical Research Letters</i> , 2018, 45, 13,182.	1.5	13
28	Purple Auroral Rays and Global Pc1 Pulsations Observed at the CIR-Associated Solar Wind Density Enhancement on 21 March 2017. <i>Geophysical Research Letters</i> , 2018, 45, 10,819.	1.5	4
29	Energetic Electron Precipitation Associated With Pulsating Aurora Observed by VLF Radio Propagation During the Recovery Phase of a Substorm on 27 March 2017. <i>Geophysical Research Letters</i> , 2018, 45, 12,651.	1.5	5
30	Substorm-Associated Ionospheric Flow Fluctuations During the 27 March 2017 Magnetic Storm: SuperDARN-Arase Conjunction. <i>Geophysical Research Letters</i> , 2018, 45, 9441-9449.	1.5	9
31	A dedicated H-beta meridian scanning photometer for proton aurora measurement. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 753-764.	0.8	9
32	Birkeland current boundary flows. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 4617-4627.	0.8	21
33	Simultaneous observations of magnetospheric ELF/MLF emissions in Canada, Finland, and Antarctica. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 6442-6454.	0.8	6
34	Ground-based instruments of the PWING project to investigate dynamics of the inner magnetosphere at subauroral latitudes as a part of the ERG-ground coordinated observation network. <i>Earth, Planets and Space</i> , 2017, 69, .	0.9	74
35	Fast modulations of pulsating proton aurora related to subpacket structures of Pc1 geomagnetic pulsations at subauroral latitudes. <i>Geophysical Research Letters</i> , 2016, 43, 7859-7866.	1.5	13
36	Pulsating proton aurora caused by rising tone Pc1 waves. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 1608-1618.	0.8	21

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37	The AUTUMNX magnetometer meridian chain in QuÃ©bec, Canada. Earth, Planets and Space, 2016, 68, .	0.9	20
38	Three-dimensional current systems and ionospheric effects associated with small dipolarization fronts. Journal of Geophysical Research: Space Physics, 2015, 120, 3739-3757.	0.8	16
39	Statistical study of ELF/VLF emissions at subauroral latitudes in Athabasca, Canada. Journal of Geophysical Research: Space Physics, 2015, 120, 8455-8469.	0.8	18
40	On the formation and origin of substorm growth phase/onset auroral arcs inferred from conjugate space-ground observations. Journal of Geophysical Research: Space Physics, 2015, 120, 8707-8722.	0.8	21
41	Ground-based ELF/VLF chorus observations at subauroral latitudes VLF CHAIN Campaign. Journal of Geophysical Research: Space Physics, 2014, 119, 7363-7379.	0.8	16
42	Auroral fragmentation into patches. Journal of Geophysical Research: Space Physics, 2014, 119, 8249-8261.	0.8	18
43	Observation of nighttime medium-scale travelling ionospheric disturbances by two 630-nm airglow imagers near the auroral zone. Journal of Atmospheric and Solar-Terrestrial Physics, 2013, 103, 184-194.	0.6	22
44	Polarization of Pc1/EMIC waves and related proton auroras observed at subauroral latitudes. Journal of Geophysical Research, 2012, 117, .	3.3	23
45	Visualization of ion cyclotron wave and particle interactions in the inner magnetosphere via THEMIS ASI observations. Journal of Geophysical Research, 2012, 117, .	3.3	21
46	The STEL induction magnetometer network for observation of high-frequency geomagnetic pulsations. Earth, Planets and Space, 2010, 62, 517-524.	0.9	29
47	The Optical Mesosphere Thermosphere Imagers (OMTIs) for network measurements of aurora and airglow. , 2009, , .		15
48	THEMIS Ground Based Observatory System Design. , 2009, , 213-233.		4
49	Simultaneous appearance of isolated auroral arcs and Pc 1 geomagnetic pulsations at subauroral latitudes. Journal of Geophysical Research, 2008, 113, .	3.3	91
50	Precipitation of radiation belt electrons by EMIC waves, observed from ground and space. Geophysical Research Letters, 2008, 35, .	1.5	245
51	Simultaneous ground and satellite observations of an isolated proton arc at subauroral latitudes. Journal of Geophysical Research, 2007, 112, n/a-n/a.	3.3	60
52	The THEMIS all-sky imaging array system design and initial results from the prototype imager. Journal of Atmospheric and Solar-Terrestrial Physics, 2006, 68, 1472-1487.	0.6	139