

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	Precipitation of radiation belt electrons by EMIC waves, observed from ground and space. <i>Geophysical Research Letters</i> , 2008, 35, .	1.5	245
2	The THEMIS all-sky imaging arrayâ€™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	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
4	Simultaneous appearance of isolated auroral arcs and Pc 1 geomagnetic pulsations at subauroral latitudes. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	91
5	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
6	Simultaneous ground and satellite observations of an isolated proton arc at subauroral latitudes. <i>Journal of Geophysical Research</i> , 2007, 112, n/a-n/a.	3.3	60
7	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
8	Nighttime Magnetic Perturbation Events Observed in Arctic Canada: 2. Multipleâ€™Instrument Observations. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 7459-7476.	0.8	35
9	Visualization of rapid electron precipitation via chorus element waveâ€™particle interactions. <i>Nature Communications</i> , 2019, 10, 257.	5.8	35
10	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
11	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
12	The STEL induction magnetometer network for observation of high-frequency geomagnetic pulsations. <i>Earth, Planets and Space</i> , 2010, 62, 517-524.	0.9	29
13	Optical Spectra and Emission Altitudes of Doubleâ€™Layer STEVE: A Case Study. <i>Geophysical Research Letters</i> , 2019, 46, 13630-13639.	1.5	26
14	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
15	Microscopic Observations of Pulsating Aurora Associated With Chorus Element Structures: Coordinated Arase Satelliteâ€™PWING Observations. <i>Geophysical Research Letters</i> , 2018, 45, 12,125.	1.5	24
16	Polarization of Pc1/EMIC waves and related proton auroras observed at subauroral latitudes. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	23
17	Observation of nighttime medium-scale travelling ionospheric disturbances by two 630-nm airglow imagers near the auroral zone. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2013, 103, 184-194.	0.6	22
18	Visualization of ion cyclotron wave and particle interactions in the inner magnetosphere via THEMISâ€™ASI observations. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	21

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19	On the formation and origin of substorm growth phase/onset auroral arcs inferred from conjugate space-ground observations. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 8707-8722.	0.8	21
20	Pulsating proton aurora caused by rising tone Pc1 waves. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 1608-1618.	0.8	21
21	Birkeland current boundary flows. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 4617-4627.	0.8	21
22	The AUTUMNX magnetometer meridian chain in QuÃ©bec, Canada. <i>Earth, Planets and Space</i> , 2016, 68, .	0.9	20
23	Auroral fragmentation into patches. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 8249-8261.	0.8	18
24	Statistical study of ELF/VLF emissions at subauroral latitudes in Athabasca, Canada. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 8455-8469.	0.8	18
25	Discovery of 1ÂHz Range Modulation of Isolated Proton Aurora at Subauroral Latitudes. <i>Geophysical Research Letters</i> , 2018, 45, 1209-1217.	1.5	18
26	Ground-based ELF/VLF chorus observations at subauroral latitudesâ€”VLFâ€”CHAIN Campaign. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 7363-7379.	0.8	16
27	Three-dimensional current systems and ionospheric effects associated with small dipolarization fronts. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 3739-3757.	0.8	16
28	Statistical Analysis of SAR Arc Detachment From the Main Oval Based on 11â€”Year, Allâ€”Sky Imaging Observation at Athabasca, Canada. <i>Geophysical Research Letters</i> , 2018, 45, 11,539.	1.5	16
29	The Optical Mesosphere Thermosphere Imagers (OMTIs) for network measurements of aurora and airglow. , 2009, , .		15
30	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
31	Multi-wavelength Imaging Observations of STEVE at Athabasca, Canada. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, 2020JA028622.	0.8	14
32	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
33	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
34	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
35	A dedicated Hâ€”beta meridian scanning photometer for proton aurora measurement. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 753-764.	0.8	9
36	Substorm-associated Ionospheric Flow Fluctuations During the 27 March 2017 Magnetic Storm: SuperDARNâ€”Arase Conjunction. <i>Geophysical Research Letters</i> , 2018, 45, 9441-9449.	1.5	9

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37	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
38	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
39	Conjugate Observation of Magnetospheric Chorus Propagating to the Ionosphere by Ducting. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL095933.	1.5	8
40	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
41	Araze 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
42	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
43	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
44	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
45	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
46	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
47	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
48	Longitudinal Extent of Magnetospheric ELF/MLF Waves using Multipoint PWING Ground Stations at Subauroral Latitudes. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 9881-9892.	0.8	4
49	THEMIS Ground Based Observatory System Design. , 2009, , 213-233.		4
50	Study of Spatiotemporal Development of Global Distribution of Magnetospheric ELF/VLF Waves Using Ground-Based and Satellite Observations, and RAM-SCB Simulations, for the March and November 2017 Storms. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA028216.	0.8	3
51	Morphological Characteristics of Strong Thermal Emission Velocity Enhancement Emissions. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2020JA028110.	0.8	3
52	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