

C M Cully

List of Publications by Year in descending order

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Version: 2024-02-01

69
papers

5,386
citations

108046

37
h-index

145109

60
g-index

71
all docs

71
docs citations

71
times ranked

2418
citing authors

#	ARTICLE	IF	CITATIONS
1	Statistical Study of Whistlerâ€Mode Waves and Expected Pitch Angle Diffusion Rates During Dispersionless Electron Injections. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL094085.	1.5	7
2	Conjugate Observation of Magnetospheric Chorus Propagating to the Ionosphere by Ducting. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL095933.	1.5	8
3	Observation of Highâ€Energy Electrons Precipitated by NWC Transmitter From PROBAâ€V Lowâ€Earth Orbit Satellite. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL089077.	1.5	12
4	Driving of Outer Belt Electron Loss by Solar Wind Dynamic Pressure Structures: Analysis of Balloon and Satellite Data. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2020JA028097.	0.8	10
5	Characteristics of Electron Precipitation During 40 Energetic Electron Injections Inferred via Subionospheric VLF Signal Propagation. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA027233.	0.8	6
6	The Vertical Distribution of the Optical Emissions of a Steve and Picket Fence Event. <i>Geophysical Research Letters</i> , 2019, 46, 10719-10725.	1.5	35
7	The Space Physics Environment Data Analysis System (SPEDAS). <i>Space Science Reviews</i> , 2019, 215, 9.	3.7	332
8	The Axial Double Probe and Fields Signal Processing for the MMS Mission. , 2017, , 167-188.		3
9	Empirical estimates and theoretical predictions of the shorting factor for the THEMIS doubleâ€probe electric field instrument. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 6223-6233.	0.8	7
10	Turbulence Heating ObserverR â€ satellite mission proposal. <i>Journal of Plasma Physics</i> , 2016, 82, .	0.7	60
11	The Axial Double Probe and Fields Signal Processing for the MMS Mission. <i>Space Science Reviews</i> , 2016, 199, 167-188.	3.7	489
12	The Axial Double Probe and Fields Signal Processing for the MMS Mission. , 2016, 199, 167.		1
13	Correlated Pc4â€5 ULF waves, whistlerâ€mode chorus, and pulsating aurora observed by the Van Allen Probes and groundâ€based systems. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 8749-8761.	0.8	50
14	The quasiâ€electrostatic mode of chorus waves and electron nonlinear acceleration. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 1606-1626.	0.8	70
15	Quantified energy dissipation rates in the terrestrial bow shock: 2. Waves and dissipation. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 6475-6495.	0.8	74
16	Quantified energy dissipation rates in the terrestrial bow shock: 1. Analysis techniques and methodology. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 6455-6474.	0.8	47
17	Whistlerâ€mode waves inside flux pileup region: Structured or unstructured?. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 9089-9100.	0.8	112
18	Observational evidence of electron pitch angle scattering driven by ECH waves. <i>Geophysical Research Letters</i> , 2014, 41, 8076-8080.	1.5	6

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19	Wave normal angles of whistler mode chorus rising and falling tones. Journal of Geophysical Research: Space Physics, 2014, 119, 9567-9578.	0.8	54
20	On the origin of falling-tone chorus elements in Earth's inner magnetosphere. Annales Geophysicae, 2014, 32, 1477-1485.	0.6	9
21	In-flight calibration of double-probe electric field measurements on Cluster. Geoscientific Instrumentation, Methods and Data Systems, 2014, 3, 143-151.	0.6	13
22	The Electric Field and Waves Instruments on the Radiation Belt Storm Probes Mission. Space Science Reviews, 2013, 179, 183-220.	3.7	421
23	Characteristics of the Poynting flux and wave normal vectors of whistler-mode waves observed on THEMIS. Journal of Geophysical Research: Space Physics, 2013, 118, 1461-1471.	0.8	101
24	Plasma particle simulations of wake formation behind a spacecraft with thin wire booms. Journal of Geophysical Research: Space Physics, 2013, 118, 5681-5694.	0.8	27
25	The Electric Field and Waves Instruments on the Radiation Belt Storm Probes Mission. , 2013, , 183-220.		23
26	Electromagnetic ELF wave intensification associated with fast earthward flows in mid-tail plasma sheet. Annales Geophysicae, 2012, 30, 467-488.	0.6	12
27	Electron acceleration in the reconnection diffusion region: Cluster observations. Geophysical Research Letters, 2012, 39, .	1.5	95
28	Source location of falling tone chorus. Geophysical Research Letters, 2012, 39, .	1.5	11
29	THEMIS observation of chorus elements without a gap at half the gyrofrequency. Journal of Geophysical Research, 2012, 117, .	3.3	52
30	Low-energy ions: A previously hidden solar system particle population. Geophysical Research Letters, 2012, 39, .	1.5	128
31	Kinetic instabilities in the lunar wake: ARTEMIS observations. Journal of Geophysical Research, 2012, 117, .	3.3	27
32	EIDOSCOPE: particle acceleration at plasma boundaries. Experimental Astronomy, 2012, 33, 491-527.	1.6	6
33	Simulation of Potential Measurements Around a Photoemitting Spacecraft in a Flowing Plasma. IEEE Transactions on Plasma Science, 2012, 40, 1257-1261.	0.6	10
34	Observational evidence of the generation mechanism for rising-tone chorus. Geophysical Research Letters, 2011, 38, n/a-n/a.	1.5	61
35	A model of electromagnetic electron phase-space holes and its application. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	32
36	Estimation of magnetic field mapping accuracy using the pulsating aurora-chorus connection. Geophysical Research Letters, 2011, 38, n/a-n/a.	1.5	29

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37	Multievent study of the correlation between pulsating aurora and whistler mode chorus emissions. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	85
38	Plasma Jet Braking: Energy Dissipation and Nonadiabatic Electrons. <i>Physical Review Letters</i> , 2011, 106, 165001.	2.9	193
39	A mechanism for heating electrons in the magnetopause current layer and adjacent regions. <i>Annales Geophysicae</i> , 2011, 29, 2305-2316.	0.6	8
40	Identifying the Driver of Pulsating Aurora. <i>Science</i> , 2010, 330, 81-84.	6.0	249
41	Observation of an inner magnetosphere electric field associated with a BBF-like flow and PBIs. <i>Annales Geophysicae</i> , 2009, 27, 1489-1500.	0.6	2
42	Survey of cold ionospheric outflows in the magnetotail. <i>Annales Geophysicae</i> , 2009, 27, 3185-3201.	0.6	92
43	Publisher's Note: New Features of Electron Phase Space Holes Observed by the THEMIS Mission [<i>Phys. Rev. Lett.</i> 102, 225004 (2009)]. <i>Physical Review Letters</i> , 2009, 103, .	2.9	3
44	Observations of Double Layers in Earth's Plasma Sheet. <i>Physical Review Letters</i> , 2009, 102, 155002.	2.9	88
45	New Features of Electron Phase Space Holes Observed by the THEMIS Mission. <i>Physical Review Letters</i> , 2009, 102, 225004.	2.9	86
46	An Observation Linking the Origin of Plasmaspheric Hiss to Discrete Chorus Emissions. <i>Science</i> , 2009, 324, 775-778.	6.0	173
47	Earth's ionospheric outflow dominated by hidden cold plasma. <i>Nature Geoscience</i> , 2009, 2, 24-27.	5.4	97
48	Global observations of substorm injection region evolution: 27 August 2001. <i>Annales Geophysicae</i> , 2009, 27, 2019-2025.	0.6	15
49	Global distribution of whistler-mode chorus waves observed on the THEMIS spacecraft. <i>Geophysical Research Letters</i> , 2009, 36, .	1.5	282
50	Observation and modeling of the injection observed by THEMIS and LANL satellites during the 23 March 2007 substorm event. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	38
51	Magnetic island formation between large-scale flow vortices at an undulating postnoon magnetopause for northward interplanetary magnetic field. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	40
52	The Electric Field Instrument (EFI) for THEMIS. , 2009, , 303-341.		23
53	The THEMIS Digital Fields Board. , 2009, , 343-355.		1
54	First Results from the THEMIS Mission. , 2009, , 453-476.		7

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55	First Results of the THEMIS Search Coil Magnetometers. , 2009, , 509-534.		4
56	Quasi-parallel whistler mode waves observed by THEMIS during near-earth dipolarizations. Annales Geophysicae, 2009, 27, 2259-2275.	0.6	83
57	First Results of the THEMIS Search Coil Magnetometers. Space Science Reviews, 2008, 141, 509-534.	3.7	122
58	First Results from the THEMIS Mission. Space Science Reviews, 2008, 141, 453-476.	3.7	171
59	The THEMIS Digital Fields Board. Space Science Reviews, 2008, 141, 343-355.	3.7	126
60	The Electric Field Instrument (EFI) for THEMIS. Space Science Reviews, 2008, 141, 303-341.	3.7	397
61	On analyses of satellite ion scale reconnection data. Journal of Geophysical Research, 2008, 113, n/a-n/a.	3.3	0
62	THEMIS observations of a hot flow anomaly: Solar wind, magnetosheath, and ground-based measurements. Geophysical Research Letters, 2008, 35, .	1.5	85
63	Turbulent heating and cross-field transport near the magnetopause from THEMIS. Geophysical Research Letters, 2008, 35, .	1.5	84
64	THEMIS observations of long-lived regions of large-amplitude whistler waves in the inner magnetosphere. Geophysical Research Letters, 2008, 35, .	1.5	133
65	Electrostatic structure around spacecraft in tenuous plasmas. Journal of Geophysical Research, 2007, 112, .	3.3	55
66	Akebono/Suprathermal Mass Spectrometer observations of low-energy ion outflow: Dependence on magnetic activity and solar wind conditions. Journal of Geophysical Research, 2003, 108, .	3.3	130
67	Supply of thermal ionospheric ions to the central plasma sheet. Journal of Geophysical Research, 2003, 108, .	3.3	54
68	Investigation into the spatial and temporal coherence of ionospheric outflow on January 9 th 1997. Journal of Atmospheric and Solar-Terrestrial Physics, 2002, 64, 1659-1666.	0.6	20
69	A derivation of the gradient ($\hat{v} \times \mathbf{B}$) drift based on energy conservation. American Journal of Physics, 1999, 67, 909-911.	0.3	0