

L E Kepko

List of Publications by Year in descending order

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Version: 2024-02-01

57
papers

2,749
citations

279487

23
h-index

174990

52
g-index

64
all docs

64
docs citations

64
times ranked

1811
citing authors

#	ARTICLE	IF	CITATIONS
1	On Differentiating Multiple Types of ULF Magnetospheric Waves in Response to Solar Wind Periodic Density Structures. <i>Journal of Geophysical Research: Space Physics</i> , 2022, 127, .	0.8	13
2	Polar Cap Boundary Identification Using Redline Optical Data and DMSP Satellite Particle Data. <i>Journal of Geophysical Research: Space Physics</i> , 2022, 127, .	0.8	1
3	Periodic Solar Wind Structures Observed in Measurements of Elemental and Ionic Composition in situ at L1. <i>Astrophysical Journal</i> , 2022, 933, 198.	1.6	6
4	Power Spectral Density Background Estimate and Signal Detection via the Multitaper Method. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA028748.	0.8	16
5	Mesoscale Structure in the Solar Wind. <i>Frontiers in Astronomy and Space Sciences</i> , 2021, 8, .	1.1	23
6	Substorm Current Wedge: Energy Conversion and Current Diversion. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2020JA028073.	0.8	2
7	Inherent Length Scales of Periodic Mesoscale Density Structures in the Solar Wind Over Two Solar Cycles. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2020JA028037.	0.8	18
8	Thank You to Our 2019 Reviewers. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2020JA028092.	0.8	0
9	AME: A Cross-Scale Constellation of CubeSats to Explore Magnetic Reconnection in the Solar-Terrestrial Relation. <i>Frontiers in Physics</i> , 2020, 8, .	1.0	18
10	On the Contribution of Dipolarizing Flux Bundles to the Substorm Current Wedge and to Flux and Energy Transport. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 5408-5420.	0.8	23
11	The Source, Significance, and Magnetospheric Impact of Periodic Density Structures Within Stream Interaction Regions. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 7722-7743.	0.8	26
12	Preface to the Special Collection: Recollections in Space Physics. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 8318-8318.	0.8	0
13	Editorial Honoring the 2018 Reviewers for JGR Space Physics. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 3848-3857.	0.8	1
14	Helios Observations of Quasiperiodic Density Structures in the Slow Solar Wind at 0.3, 0.4, and 0.6 AU. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 837-860.	0.8	28
15	SAPS-Associated Explosive Brightening on the Duskside: A New Type of Onset-Like Disturbance. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 197-210.	0.8	10
16	Multiscale Currents Observed by MMS in the Flow Braking Region. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 1260-1278.	0.8	32
17	Editorial: Thank You to the 2017 JGR Space Physics Reviewers. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 4510-4516.	0.8	1
18	Global observations of magnetospheric high-latitude poloidal waves during the 22 June 2015 magnetic storm. <i>Geophysical Research Letters</i> , 2017, 44, 3456-3464.	1.5	43

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19	Structure, force balance, and topology of Earth's magnetopause. <i>Science</i> , 2017, 356, 960-963.	6.0	10
20	Extensive electron transport and energization via multiple, localized dipolarizing flux bundles. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 5059-5076.	0.8	56
21	Editorial: Thanking the JGR Space Physics reviewers of 2016. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 5528-5538.	0.8	1
22	The Magnetospheric Source Region of the Bright Proton Aurora. <i>Geophysical Research Letters</i> , 2017, 44, 10,094.	1.5	8
23	Near-Earth plasma sheet boundary dynamics during substorm dipolarization. <i>Earth, Planets and Space</i> , 2017, 69, 129.	0.9	15
24	Magnetopause erosion during the 17 March 2015 magnetic storm: Combined field-aligned currents, auroral oval, and magnetopause observations. <i>Geophysical Research Letters</i> , 2016, 43, 2396-2404.	1.5	36
25	Implications of L1 observations for slow solar wind formation by solar reconnection. <i>Geophysical Research Letters</i> , 2016, 43, 4089-4097.	1.5	60
26	A comparative study of dipolarization fronts at MMS and Cluster. <i>Geophysical Research Letters</i> , 2016, 43, 6012-6019.	1.5	37
27	Substorm Current Wedge Revisited. <i>Space Science Reviews</i> , 2015, 190, 1-46.	3.7	184
28	Statistical occurrence and dynamics of the Harang discontinuity during steady magnetospheric convection. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 5127-5135.	0.8	4
29	"Snowplow" injection front effects. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 6478-6488.	0.8	6
30	Equatorial ionosphere semiannual oscillation investigated from Schumann resonance measurements on board the C/NOFS satellite. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 12,045.	1.2	1
31	Global simulation of proton precipitation due to field line curvature during substorms. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	23
32	First radar observations in the vicinity of the plasmopause of pulsed ionospheric flows generated by bursty bulk flows. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	1.5	12
33	Interhemispheric observations of impulsive nitrate enhancements associated with the four large ground-level solar cosmic ray events (1940-1950). <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2009, 71, 1840-1845.	0.6	16
34	Response to Comment on "Tail Reconnection Triggering Substorm Onset". <i>Science</i> , 2009, 324, 1391-1391.	6.0	45
35	Equatorward moving auroral signatures of a flow burst observed prior to auroral onset. <i>Geophysical Research Letters</i> , 2009, 36, .	1.5	64
36	Relative occurrence rates and connection of discrete frequency oscillations in the solar wind density and dayside magnetosphere. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	82

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37	Changes in the response of the AL Index with solar cycle and epoch within a corotating interaction region. <i>Annales Geophysicae</i> , 2009, 27, 3165-3178.	0.6	16
38	Inherent lengthâ€scales of periodic solar wind number density structures. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	40
39	Propagation characteristics of plasma sheet oscillations during a small storm. <i>Geophysical Research Letters</i> , 2008, 35, .	1.5	16
40	Ionospheric ULF oscillations driven from above Arecibo. <i>Geophysical Research Letters</i> , 2008, 35, .	1.5	10
41	Highly periodic stormtime activations observed by THEMIS prior to substorm onset. <i>Geophysical Research Letters</i> , 2008, 35, .	1.5	3
42	Tail Reconnection Triggering Substorm Onset. <i>Science</i> , 2008, 321, 931-935.	6.0	551
43	Predicting magnetopause crossings at geosynchronous orbit during the Halloween storms. <i>Space Weather</i> , 2007, 5, n/a-n/a.	1.3	33
44	Two groups of extremely large >30MeV solar proton fluence events. <i>Advances in Space Research</i> , 2006, 37, 1734-1740.	1.2	23
45	Plasma sheet climatology: Geotail observations and LFM model comparisons. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2004, 66, 1351-1360.	0.6	7
46	Relative timing of substorm onset phenomena. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	53
47	Observations of discrete, global magnetospheric oscillations directly driven by solar wind density variations. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	213
48	ULF waves in the solar wind as direct drivers of magnetospheric pulsations. <i>Geophysical Research Letters</i> , 2002, 29, 39-1-39-4.	1.5	256
49	Flow bursts, braking, and Pi2 pulsations. <i>Journal of Geophysical Research</i> , 2001, 106, 1903-1915.	3.3	157
50	Comment on "Evaluation of low-latitude Pi2 pulsations as indicators of substorm onset using Polar ultraviolet imagery" by K. Liou, et al.. <i>Journal of Geophysical Research</i> , 2001, 106, 18919-18922.	3.3	20
51	Magnetic Field Instruments for the Fast Auroral Snapshot Explorer. <i>Space Science Reviews</i> , 2001, 98, 151-168.	3.7	30
52	Association of energetic neutral atom bursts and magnetospheric substorms. <i>Journal of Geophysical Research</i> , 2000, 105, 18753-18763.	3.3	15
53	Generation of Pi2 pulsations by bursty bulk flows. <i>Journal of Geophysical Research</i> , 1999, 104, 25021-25034.	3.3	156
54	FAST observations of VLF waves in the auroral zone: Evidence of very low plasma densities. <i>Geophysical Research Letters</i> , 1998, 25, 2065-2068.	1.5	105

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55	The auroral current circuit and field-aligned currents observed by FAST. Geophysical Research Letters, 1998, 25, 2033-2036.	1.5	84
56	Flux ropes, interhemispheric conjugacy, and magnetospheric current closure. Journal of Geophysical Research, 1996, 101, 27341-27350.	3.3	18
57	Auroral Signatures of the Dynamic Plasma Sheet. Geophysical Monograph Series, 0, , 317-336.	0.1	15