

L E Kepko

List of Publications by Year in descending order

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57
papers

2,749
citations

279701

23
h-index

175177

52
g-index

64
all docs

64
docs citations

64
times ranked

1811
citing authors

#	ARTICLE	IF	CITATIONS
1	Tail Reconnection Triggering Substorm Onset. <i>Science</i> , 2008, 321, 931-935.	6.0	551
2	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
3	Observations of discrete, global magnetospheric oscillations directly driven by solar wind density variations. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	213
4	Substorm Current Wedge Revisited. <i>Space Science Reviews</i> , 2015, 190, 1-46.	3.7	184
5	Flow bursts, braking, and Pi2 pulsations. <i>Journal of Geophysical Research</i> , 2001, 106, 1903-1915.	3.3	157
6	Generation of Pi2 pulsations by bursty bulk flows. <i>Journal of Geophysical Research</i> , 1999, 104, 25021-25034.	3.3	156
7	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
8	The auroral current circuit and field-aligned currents observed by FAST. <i>Geophysical Research Letters</i> , 1998, 25, 2033-2036.	1.5	84
9	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
10	Equatorward moving auroral signatures of a flow burst observed prior to auroral onset. <i>Geophysical Research Letters</i> , 2009, 36, .	1.5	64
11	Implications of L1 observations for slow solar wind formation by solar reconnection. <i>Geophysical Research Letters</i> , 2016, 43, 4089-4097.	1.5	60
12	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
13	Relative timing of substorm onset phenomena. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	53
14	Response to Comment on "Tail Reconnection Triggering Substorm Onset". <i>Science</i> , 2009, 324, 1391-1391.	6.0	45
15	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
16	Inherent length scales of periodic solar wind number density structures. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	40
17	A comparative study of dipolarization fronts at MMS and Cluster. <i>Geophysical Research Letters</i> , 2016, 43, 6012-6019.	1.5	37
18	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

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19	Predicting magnetopause crossings at geosynchronous orbit during the Halloween storms. <i>Space Weather</i> , 2007, 5, n/a-n/a.	1.3	33
20	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
21	Magnetic Field Instruments for the Fast Auroral Snapshot Explorer. <i>Space Science Reviews</i> , 2001, 98, 151-168.	3.7	30
22	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
23	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
24	Two groups of extremely large >30MeV solar proton fluence events. <i>Advances in Space Research</i> , 2006, 37, 1734-1740.	1.2	23
25	Global simulation of proton precipitation due to field line curvature during substorms. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	23
26	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
27	Mesoscale Structure in the Solar Wind. <i>Frontiers in Astronomy and Space Sciences</i> , 2021, 8, .	1.1	23
28	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
29	Flux ropes, interhemispheric conjugacy, and magnetospheric current closure. <i>Journal of Geophysical Research</i> , 1996, 101, 27341-27350.	3.3	18
30	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
31	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
32	Propagation characteristics of plasma sheet oscillations during a small storm. <i>Geophysical Research Letters</i> , 2008, 35, .	1.5	16
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	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
35	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
36	Association of energetic neutral atom bursts and magnetospheric substorms. <i>Journal of Geophysical Research</i> , 2000, 105, 18753-18763.	3.3	15

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37	Auroral Signatures of the Dynamic Plasma Sheet. Geophysical Monograph Series, 0, , 317-336.	0.1	15
38	Near-Earth plasma sheet boundary dynamics during substorm dipolarization. Earth, Planets and Space, 2017, 69, 129.	0.9	15
39	On Differentiating Multiple Types of ULF Magnetospheric Waves in Response to Solar Wind Periodic Density Structures. Journal of Geophysical Research: Space Physics, 2022, 127, .	0.8	13
40	First radar observations in the vicinity of the plasmopause of pulsed ionospheric flows generated by bursty bulk flows. Geophysical Research Letters, 2011, 38, n/a-n/a.	1.5	12
41	Ionospheric ULF oscillations driven from above Arecibo. Geophysical Research Letters, 2008, 35, .	1.5	10
42	Structure, force balance, and topology of Earth's magnetopause. Science, 2017, 356, 960-963.	6.0	10
43	SAPS-Associated Explosive Brightening on the Duskside: A New Type of Onset-Like Disturbance. Journal of Geophysical Research: Space Physics, 2018, 123, 197-210.	0.8	10
44	The Magnetospheric Source Region of the Bright Proton Aurora. Geophysical Research Letters, 2017, 44, 10,094.	1.5	8
45	Plasma sheet climatology: Geotail observations and LFM model comparisons. Journal of Atmospheric and Solar-Terrestrial Physics, 2004, 66, 1351-1360.	0.6	7
46	“Snowplow” injection front effects. Journal of Geophysical Research: Space Physics, 2013, 118, 6478-6488.	0.8	6
47	Periodic Solar Wind Structures Observed in Measurements of Elemental and Ionic Composition in situ at L1. Astrophysical Journal, 2022, 933, 198.	1.6	6
48	Statistical occurrence and dynamics of the Harang discontinuity during steady magnetospheric convection. Journal of Geophysical Research: Space Physics, 2013, 118, 5127-5135.	0.8	4
49	Highly periodic stormtime activations observed by THEMIS prior to substorm onset. Geophysical Research Letters, 2008, 35, .	1.5	3
50	Substorm Current Wedge: Energy Conversion and Current Diversion. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA028073.	0.8	2
51	Equatorial ionosphere semiannual oscillation investigated from Schumann resonance measurements on board the C/NOFS satellite. Journal of Geophysical Research D: Atmospheres, 2013, 118, 12,045.	1.2	1
52	Editorial: Thanking the JGR Space Physics reviewers of 2016. Journal of Geophysical Research: Space Physics, 2017, 122, 5528-5538.	0.8	1
53	Editorial: Thank You to the 2017 JGR Space Physics Reviewers. Journal of Geophysical Research: Space Physics, 2018, 123, 4510-4516.	0.8	1
54	Editorial Honoring the 2018 Reviewers for JGR Space Physics. Journal of Geophysical Research: Space Physics, 2019, 124, 3848-3857.	0.8	1

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55	Polar Cap Boundary Identification Using Redline Optical Data and DMSP Satellite Particle Data. Journal of Geophysical Research: Space Physics, 2022, 127, .	0.8	1
56	Preface to the Special Collection: Recollections in Space Physics. Journal of Geophysical Research: Space Physics, 2019, 124, 8318-8318.	0.8	0
57	Thank You to Our 2019 Reviewers. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA028092.	0.8	0