L E Kepko

List of Publications by Year
in descending order

57	2,749	279798	175258
papers	citations	23 h-index	52 g-index

64	64	64	1811
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	On Differentiating Multiple Types of ULF Magnetospheric Waves in Response to Solar Wind Periodic Density Structures. Journal of Geophysical Research: Space Physics, 2022, 127, .	2.4	13
2	Polar Cap Boundary Identification Using Redline Optical Data and DMSP Satellite Particle Data. Journal of Geophysical Research: Space Physics, 2022, 127, .	2.4	1
3	Periodic Solar Wind Structures Observed in Measurements of Elemental and Ionic Composition in situ at L1. Astrophysical Journal, 2022, 933, 198.	4.5	6
4	Power Spectral Density Background Estimate and Signal Detection via the Multitaper Method. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028748.	2.4	16
5	Mesoscale Structure in the Solar Wind. Frontiers in Astronomy and Space Sciences, 2021, 8, .	2.8	23
6	Substorm Current Wedge: Energy Conversion and Current Diversion. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA028073.	2.4	2
7	Inherent Length Scales of Periodic Mesoscale Density Structures in the Solar Wind Over Two Solar Cycles. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA028037.	2.4	18
8	Thank You to Our 2019 Reviewers. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA028092.	2.4	0
9	AME: A Cross-Scale Constellation of CubeSats to Explore Magnetic Reconnection in the Solarâ€“Terrestrial Relation. Frontiers in Physics, 2020, 8, .	2.1	18
10	On the Contribution of Dipolarizing Flux Bundles to the Substorm Current Wedge and to Flux and Energy Transport. Journal of Geophysical Research: Space Physics, 2019, 124, 5408-5420.	2.4	23
11	The Source, Significance, and Magnetospheric Impact of Periodic Density Structures Within Stream Interaction Regions. Journal of Geophysical Research: Space Physics, 2019, 124, 7722-7743.	2.4	26
12	Preface to the Special Collection: Recollections in Space Physics. Journal of Geophysical Research: Space Physics, 2019, 124, 8318-8318.	2.4	0
13	Editorial Honoring the 2018 Reviewers for JGR Space Physics. Journal of Geophysical Research: Space Physics, 2019, 124, 3848-3857.	2.4	1
14	Helios Observations of Quasiperiodic Density Structures in the Slow Solar Wind at 0.3, 0.4, and 0.6ÂAU. Journal of Geophysical Research: Space Physics, 2019, 124, 837-860.	2.4	28
15	SAPSâ€Associated Explosive Brightening on the Duskside: A New Type of Onsetâ€Like Disturbance. Journal of Geophysical Research: Space Physics, 2018, 123, 197-210.	2.4	10
16	Multiscale Currents Observed by MMS in the Flow Braking Region. Journal of Geophysical Research: Space Physics, 2018, 123, 1260-1278.	2.4	32
17	Editorial: Thank You to the 2017 JGR Space Physics Reviewers. Journal of Geophysical Research: Space Physics, 2018, 123, 4510-4516.	2.4	1
18	Global observations of magnetospheric highâ€‹m poloidal waves during the 22 June 2015 magnetic storm. Geophysical Research Letters, 2017, 44, 3456-3464.	4.0	43

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19	Structure, force balance, and topology of Earthâ€™s magnetopause. Science, 2017, 356, 960-963.	12.6	10
20	Extensive electron transport and energization via multiple, localized dipolarizing flux bundles. Journal of Geophysical Research: Space Physics, 2017, 122, 5059-5076.	2.4	56
21	Editorial: Thanking the JGR Space Physics reviewers of 2016. Journal of Geophysical Research: Space Physics, 2017, 122, 5528-5538.	2.4	1
22	The Magnetospheric Source Region of the Bright Proton Aurora. Geophysical Research Letters, 2017, 44, 10,094.	4.0	8
23	Near-Earth plasma sheet boundary dynamics during substorm dipolarization. Earth, Planets and Space, 2017, 69, 129.	2.5	15
24	Magnetopause erosion during the 17 March 2015 magnetic storm: Combined fieldâ€aligned currents, auroral oval, and magnetopause observations. Geophysical Research Letters, 2016, 43, 2396-2404.	4.0	36
25	Implications of L1 observations for slow solar wind formation by solar reconnection. Geophysical Research Letters, 2016, 43, 4089-4097.	4.0	60
26	A comparative study of dipolarization fronts at MMS and Cluster. Geophysical Research Letters, 2016, 43, 6012-6019.	4.0	37
27	Substorm Current Wedge Revisited. Space Science Reviews, 2015, 190, 1-46.	8.1	184
28	Statistical occurrence and dynamics of the Harang discontinuity during steady magnetospheric convection. Journal of Geophysical Research: Space Physics, 2013, 118, 5127-5135.	2.4	4
29	â€œSnowplowâ€•injection front effects. Journal of Geophysical Research: Space Physics, 2013, 118, 6478-6488.	2.4	6
30	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.	3.3	1
31	Global simulation of proton precipitation due to field line curvature during substorms. Journal of Geophysical Research, 2012, 117, .	3.3	23
32	First radar observations in the vicinity of the plasmapause of pulsed ionospheric flows generated by bursty bulk flows. Geophysical Research Letters, 2011, 38, n/a-n/a.	4.0	12
33	Interhemispheric observations of impulsive nitrate enhancements associated with the four large ground-level solar cosmic ray events (1940â€“1950). Journal of Atmospheric and Solar-Terrestrial Physics, 2009, 71, 1840-1845.	1.6	16
34	Response to Comment on â€œTail Reconnection Triggering Substorm Onsetâ€• Science, 2009, 324, 1391-1391.	12.6	45
35	Equatorward moving auroral signatures of a flow burst observed prior to auroral onset. Geophysical Research Letters, 2009, 36, .	4.0	64
36	Relative occurrence rates and connection of discrete frequency oscillations in the solar wind density and dayside magnetosphere. Journal of Geophysical Research, 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. Annales Geophysicae, 2009, 27, 3165-3178.	1.6	16
38	Inherent lengthâ€scales of periodic solar wind number density structures. Journal of Geophysical Research, 2008, 113, .	3.3	40
39	Propagation characteristics of plasma sheet oscillations during a small storm. Geophysical Research Letters, 2008, 35, .	4.0	16
40	Ionospheric ULF oscillations driven from above Arecibo. Geophysical Research Letters, 2008, 35, .	4.0	10
41	Highly periodic stormtime activations observed by THEMIS prior to substorm onset. Geophysical Research Letters, 2008, 35, .	4.0	3
42	Tail Reconnection Triggering Substorm Onset. Science, 2008, 321, 931-935.	12.6	551
43	Predicting magnetopause crossings at geosynchronous orbit during the Halloween storms. Space Weather, 2007, 5, n/a-n/a.	3.7	33
44	Two groups of extremely large >30MeV solar proton fluence events. Advances in Space Research, 2006, 37, 1734-1740.	2.6	23
45	Plasma sheet climatology: Geotail observations and LFM model comparisons. Journal of Atmospheric and Solar-Terrestrial Physics, 2004, 66, 1351-1360.	1.6	7
46	Relative timing of substorm onset phenomena. Journal of Geophysical Research, 2004, 109, .	3.3	53
47	Observations of discrete, global magnetospheric oscillations directly driven by solar wind density variations. Journal of Geophysical Research, 2003, 108, .	3.3	213
48	ULF waves in the solar wind as direct drivers of magnetospheric pulsations. Geophysical Research Letters, 2002, 29, 39-1-39-4.	4.0	256
49	Flow bursts, braking, and Pi2 pulsations. Journal of Geophysical Research, 2001, 106, 1903-1915.	3.3	157
50	Comment on â€œEvaluation of low-latitude Pi2 pulsations as indicators of substorm onset using Polar ultraviolet imageryâ€• by K. Liou, et al.. Journal of Geophysical Research, 2001, 106, 18919-18922.	3.3	20
51	Magnetic Field Instruments for the Fast Auroral Snapshot Explorer. Space Science Reviews, 2001, 98, 151-168.	8.1	30
52	Association of energetic neutral atom bursts and magnetospheric substorms. Journal of Geophysical Research, 2000, 105, 18753-18763.	3.3	15
53	Generation of Pi2 pulsations by bursty bulk flows. Journal of Geophysical Research, 1999, 104, 25021-25034.	3.3	156
54	FAST observations of VLF waves in the auroral zone: Evidence of very low plasma densities. Geophysical Research Letters, 1998, 25, 2065-2068.	4.0	105

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55	The auroral current circuit and field-aligned currents observed by FAST. Geophysical Research Letters, 1998, 25, 2033-2036.	4.0	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