Eric Lund

List of Publications by Year
in descending order

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40	1,123	394421	377865
papers	citations	19 h-index	34 g-index

41	41	41	1052
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Auroral ion acceleration in dispersive AlfvÃ©n waves. Journal of Geophysical Research, 2004, 109, .	3.3	137
2	Energy deposition by AlfvÃ©n waves into the dayside auroral oval: Cluster and FAST observations. Journal of Geophysical Research, 2005, 110, .	3.3	113
3	Nightside auroral zone and polar cap ion outflow as a function of substorm size and phase. Journal of Geophysical Research, 2004, 109, .	3.3	111
4	Ionospheric erosion by AlfvÃ©n waves. Journal of Geophysical Research, 2006, 111, .	3.3	102
5	Energy dependence of the ionic charge state distribution during the November 1997 solar energetic particle event. Geophysical Research Letters, 1999, 26, 145-148.	4.0	79
6	Transverse ion acceleration mechanisms in the aurora at solar minimum: occurrence distributions. Journal of Atmospheric and Solar-Terrestrial Physics, 2000, 62, 467-475.	1.6	42
7	Species dependent energies in upward directed ion beams over auroral arcs as observed with FAST TEAMS. Geophysical Research Letters, 1998, 25, 2029-2032.	4.0	41
8	Nature of Pi1B pulsations as inferred from ground and satellite observations. Geophysical Research Letters, 2006, 33, .	4.0	41
9	FAST observations of preferentially accelerated He+in association with auroral electromagnetic ion cyclotron waves. Geophysical Research Letters, 1998, 25, 2049-2052.	4.0	40
10	Observation of electromagnetic oxygen cyclotron waves in a flickering aurora. Geophysical Research Letters, 1995, 22, 2465-2468.	4.0	31
11	Quasiâ€thermal fluctuations in a beamâ€plasma system. Physics of Plasmas, 1996, 3, 1234-1240.	1.9	26
12	On quasi-thermal fluctuations near the plasma frequency in the outer plasmasphere: A case study. Journal of Geophysical Research, 1994, 99, 23651.	3.3	24
13	Auroral precipitation/ion upwelling as a driver of neutral density enhancement in the cusp. Journal of Atmospheric and Solar-Terrestrial Physics, 2012, 87-88, 82-90.	1.6	24
14	On the generation and propagation of auroral electromagnetic ion cyclotron waves. Journal of Geophysical Research, 1997, 102, 17241-17253.	3.3	23
15	Equator-S observations of He+energization by EMIC waves in the dawnside equatorial magnetosphere. Geophysical Research Letters, 2002, 29, 74-1-74-4.	4.0	23
16	Pulsed flows at the high-altitude cusp poleward boundary, and associated ionospheric convection and particle signatures, during a Cluster - FAST - SuperDARN- SÃ¸ndrestrÃ¸m conjunction under a southwest IMF. Annales Geophysicae, 2004, 22, 2891-2905.	1.6	23
17	On the dissipation scale of broadband ELF waves in the auroral region. Journal of Geophysical Research, 2010, 115, .	3.3	22
18	Cold flowing O+beams in the lobe/mantle at Geotail: Does FAST observe the source?. Journal of Geophysical Research, 2000, 105, 15931-15944.	3.3	20

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19	The relationship between suprathermal heavy ion outflow and auroral electron energy deposition: Polar/Ultraviolet Imager and Fast Auroral Snapshot/Time-of-Flight Energy Angle Mass Spectrometer observations. Journal of Geophysical Research, 2001, 106, 18981-18993.	3.3	20
20	Mass-dependent effects in ion conic production: The role of parallel electric fields. Geophysical Research Letters, 1999, 26, 3593-3596.	4.0	19
21	Polar, Cluster and SuperDARN evidence for high-latitude merging during southward IMF: temporal/spatial evolution. Annales Geophysicae, 2003, 21, 2233-2258.	1.6	18
22	A new perspective on plasma supply mechanisms to the magnetotail from a statistical comparison of dayside mirroring O+at low altitudes with lobe/mantle beams. Journal of Geophysical Research, 2002, 107, SMP 7-1.	3.3	17
23	Pi1B pulsations as a possible driver of AlfvÃ©nic aurora at substorm onset. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	17
24	Twoâ€stage oscillatory response of the magnetopause to a tangential discontinuity/vortex sheet followed by northward IMF: Cluster observations. Journal of Geophysical Research, 2008, 113, .	3.3	14
25	Storm Time EMIC Waves Observed by Swarm and Van Allen Probe Satellites. Journal of Geophysical Research: Space Physics, 2019, 124, 293-312.	2.4	14
26	Effect of solar wind variation on lowâ€energy O⁺ populations in the magnetosphere during geomagnetic storms: FAST observations. Journal of Geophysical Research, 2008, 113, .	3.3	13
27	Factors Controlling O⁺ and H⁺ Outflow in the Cusp During a Geomagnetic Storm: FAST/TEAMS Observations. Geophysical Research Letters, 2020, 47, e2020GL086975.	4.0	13
28	Direct comparison of transverse ion acceleration mechanisms in the auroral region at solar minimum. Journal of Geophysical Research, 1999, 104, 22801-22805.	3.3	10
29	Bispectral analysis of equatorial spread F density irregularities. Journal of Geophysical Research, 1992, 97, 8643-8651.	3.3	9
30	On the Role of Ionospheric Ions in Sawtooth Events. Journal of Geophysical Research: Space Physics, 2018, 123, 665-684.	2.4	8
31	Electron temperature in the cusp as measured with the SCIFERâ€2 sounding rocket. Journal of Geophysical Research, 2012, 117, .	3.3	7
32	Statistical properties of the multiple ion band structures observed by the FAST satellite. Journal of Geophysical Research, 2008, 113, .	3.3	6
33	The Relationship Between Cusp Region Ion Outflows and Eastâ€West Magnetic Field Fluctuations at 4,000â€km Altitude. Journal of Geophysical Research: Space Physics, 2020, 125, e2019JA027454.	2.4	4
34	IMF By and the spatio-temporal structure of the dayside aurora. Geophysical Monograph Series, 2006, , 213-233.	0.1	3
35	Momentum transfer at the high-latitude magnetopause and boundary layers. Annales Geophysicae, 2008, 26, 2449-2458.	1.6	3
36	Comment on â€œIdentification of widespread turbulence of dispersive AlfvÃ©n Wavesâ€•by K. Stasiewicz et al.. Geophysical Research Letters, 2001, 28, 1403-1404.	4.0	2

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37	Electron and Ion Acceleration in the Unstable Auroral Ionosphere. Physica Scripta, 2004, T107, 213.	2.5	1
38	Origin of ion-cyclotron turbulence in the downward Birkeland current region. Physics of Plasmas, 2011, 18, 022901.	1.9	1
39	The Connection Between Parallel Electric Fields and Ion Acceleration in Astrophysical Plasmas. Geophysical Monograph Series, 0, , 109-115.	0.1	1
40	The plasma frequency tracker: An instrument for probing the frequency structure of narrow-Band MF/HF Electric Fields. Geophysical Monograph Series, 1998, , 169-174.	0.1	1