Bela Fejer

List of Publications by Year
in descending order

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71 papers	8,690 citations	87401 40 h-index	97045 71 g-index
72 all docs	72 docs citations	72 times ranked	2097 citing authors

#	Article	IF	Citations
1	Radial Transport of Energetic Electrons as Determined From the â€œZebra Stripesâ€•Measured in the Earthâ€™s Inner Belt and Slot Region. Frontiers in Astronomy and Space Sciences, 2022, 9, .	1.1	2
2	Anomalous Electron Temperature Increases in the Evening Equatorial Ionosphere. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028728.	0.8	1
3	Evidence for the Significant Differences in Response Times of Equatorial Ionization Anomaly Crest Corresponding to Plasma Fountains During Daytime and Postâ€Sunset Hours. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028628.	0.8	6
4	Prompt Penetration and Substorm Effects Over Jicamarca During the September 2017 Geomagnetic Storm. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029651.	0.8	19
5	Stormâ€Time Coupling of Equatorial Nighttime F Region Neutral Winds and Plasma Drifts. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA028253.	0.8	12
6	Stormâ€Time Thermospheric Winds Over Peru. Journal of Geophysical Research: Space Physics, 2019, 124, 10415-10427.	0.8	15
7	MELISSA: System description and spectral features of preâ€•and postâ€•midnight F â€•region echoes. Journal of Geophysical Research: Space Physics, 2019, 124, 10482-10496.	0.8	3
8	Equatorial Disturbance Dynamo Vertical Plasma Drifts Over Jicamarca: Bimonthly and Solar Cycle Dependence. Journal of Geophysical Research: Space Physics, 2019, 124, 4833-4841.	0.8	16
9	Radar Studies of Heightâ€Dependent Equatorial F region Vertical and Zonal Plasma Drifts. Journal of Geophysical Research: Space Physics, 2019, 124, 2058-2071.	0.8	7
10	Multi-instrumented observations of the equatorial F-region during June solstice: large-scale wave structures and spread-F. Progress in Earth and Planetary Science, 2018, 5, .	1.1	11
11	The Ionospheric Impact of an ICMEâ€Driven Sheath Region Over Indian and American Sectors in the Absence of a Typical Geomagnetic Storm. Journal of Geophysical Research: Space Physics, 2018, 123, 4298-4308.	0.8	8
12	Post-Storm Middle and Low-Latitude Ionospheric Electric Fields Effects. Space Sciences Series of ISSI, 2018, , 415-437.	0.0	0
13	Post-Storm Middle and Low-Latitude Ionospheric Electric Fields Effects. Space Science Reviews, 2017, 206, 407-429.	3.7	43
14	Equatorial vertical drift modulation by the lunar and solar semidiurnal tides during the 2013 sudden stratospheric warming. Journal of Geophysical Research: Space Physics, 2016, 121, 1658-1668.	0.8	31
15	Coherent and incoherent scatter radar study of the climatology and dayâ€toâ€day variability of mean F region vertical drifts and equatorial spread F. Journal of Geophysical Research: Space Physics, 2016, 121, 1466-1482.	0.8	40
16	The response of equatorial electrojet, vertical plasma drift, and thermospheric zonal wind to enhanced solar wind input. Journal of Geophysical Research: Space Physics, 2016, 121, 5653-5663.	0.8	42
17	Positive and negative GPSâ€TEC ionospheric storm effects during the extreme space weather event of March 2015 over the Brazilian sector. Journal of Geophysical Research: Space Physics, 2016, 121, 5613-5625.	0.8	109
18	Daytime plasma drifts in the equatorial lower ionosphere. Journal of Geophysical Research: Space Physics, 2015, 120, 9738-9747.	0.8	23

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19	Lowâ€latitude scintillation weakening during sudden stratospheric warming events. Journal of Geophysical Research: Space Physics, 2015, 120, 2212-2221.	0.8	33
20	Global features of the disturbance winds during storm time deduced from CHAMP observations. Journal of Geophysical Research: Space Physics, 2015, 120, 5137-5150.	0.8	58
21	Altitudinal dependence of evening equatorial F region vertical plasma drifts. Journal of Geophysical Research: Space Physics, 2014, 119, 5877-5890.	0.8	27
22	Lunar tidal effects in the electrodynamics of the low latitude ionosphere. Journal of Atmospheric and Solar-Terrestrial Physics, 2013, 103, 76-82.	0.6	18
23	Equatorial ionospheric electrodynamic perturbations during Southern Hemisphere stratospheric warming events. Journal of Geophysical Research: Space Physics, 2013, 118, 1190-1195.	0.8	16
24	Sporadic E layer development and disruption at low latitudes by prompt penetration electric fields during magnetic storms. Journal of Geophysical Research: Space Physics, 2013, 118, 2639-2647.	0.8	24
25	Equatorial zonal plasma drifts measured by the C/NOFS satellite during the 2008â€“2011 solar minimum. Journal of Geophysical Research: Space Physics, 2013, 118, 3891-3897.	0.8	37
26	Equatorial and Low Latitude Ionospheric Effects During Sudden Stratospheric Warming Events. Space Science Reviews, 2012, 168, 385-417.	3.7	183
27	Effect of sudden stratospheric warming on lunar tidal modulation of the equatorial electrojet. Journal of Geophysical Research, 2012, 117, .	3.3	81
28	Observations of quiet time vertical ion drift in the equatorial ionosphere during the solar minimum period of 2009. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	94
29	Enhanced lunar semidiurnal equatorial vertical plasma drifts during sudden stratospheric warmings. Geophysical Research Letters, 2011, 38, n/a-n/a.	1.5	93
30	Low Latitude Ionospheric Electrodynamics. Space Science Reviews, 2011, 158, 145-166.	3.7	120
31	Equatorial and Low Latitude Ionospheric Effects During Sudden Stratospheric Warming Events. Space Sciences Series of ISSI, 2011, , 385-417.	0.0	3
32	Lunarâ€dependent equatorial ionospheric electrodynamic effects during sudden stratospheric warmings. Journal of Geophysical Research, 2010, 115, .	3.3	187
33	Quiet variability of equatorial E Ã— B drifts during a sudden stratospheric warming event. Geophysical Research Letters, 2009, 36, .	1.5	229
34	Climatology of postsunset equatorial spread F over Jicamarca. Journal of Geophysical Research, 2009, 114, .	3.3	52
35	Seasonal and longitudinal dependence of equatorial disturbance vertical plasma drifts. Geophysical Research Letters, 2008, 35, .	1.5	147
36	Quiet time equatorial F region vertical plasma drift model derived from ROCSATâ€1 observations. Journal of Geophysical Research, 2008, 113, .	3.3	300

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37	Equatorial Ionospheric Electric Fields During the November 2004 Magnetic Storm. Journal of Geophysical Research, 2007, 112, .	3.3	188
38	Longitudinal dependence of middle and low latitude zonal plasma drifts measured by DE-2. Annales Geophysicae, 2007, 25, 2551-2559.	0.6	15
39	Climatology ofFregion zonal plasma drifts over Jicamarca. Journal of Geophysical Research, 2005, 110, .	3.3	116
40	Magnetospheric electric fields and plasma sheet injection to low L-shells during the 4-5 June 1991 magnetic storm: Comparison between the Rice Convection Model and observations. Journal of Geophysical Research, 2004, 109, .	3.3	64
41	Average nighttime F region disturbance neutral winds measured by UARS WINDII: Initial results. Geophysical Research Letters, 2004, 31, .	1.5	47
42	Global dayside ionospheric uplift and enhancement associated with interplanetary electric fields. Journal of Geophysical Research, 2004, 109, .	3.3	401
43	Low-latitude ionospheric disturbance electric field effects during the recovery phase of the 19â€“21 October 1998 magnetic storm. Journal of Geophysical Research, 2003, 108, .	3.3	76
44	Three-dimensional nonlinear evolution of equatorial ionospheric spread-F bubbles. Geophysical Research Letters, 2003, 30, .	1.5	77
45	Altitude dependence of middle and low-latitude daytime thermospheric disturbance winds measured by WINDII. Journal of Geophysical Research, 2002, 107, SIA 19-1-SIA 19-15.	3.3	57
46	Lunar tide in the equatorialFregion vertical ion drift velocity. Journal of Geophysical Research, 2001, 106, 221-226.	3.3	37
47	Radar studies of midlatitude ionospheric plasma drifts. Journal of Geophysical Research, 2001, 106, 1771-1783.	3.3	27
48	Climatology of middle- and low-latitude daytimeFregion disturbance neutral winds measured by Wind Imaging Interferometer (WINDII). Journal of Geophysical Research, 2001, 106, 24701-24712.	3.3	57
49	Simulation of the pre-reversal enhancement in the low latitude vertical ion drifts. Geophysical Research Letters, 2000, 27, 1851-1854.	1.5	175
50	Average daytimeFregion disturbance neutral winds measured by UARS: Initial results. Geophysical Research Letters, 2000, 27, 1859-1862.	1.5	38
51	Equatorial and low latitude thermospheric winds: Measured quiet time variations with season and solar flux from 1980 to 1990. Journal of Geophysical Research, 1999, 104, 17091-17106.	3.3	58
52	Radar and satellite global equatorialFregion vertical drift model. Journal of Geophysical Research, 1999, 104, 6829-6842.	3.3	548
53	Effects of the vertical plasma drift velocity on the generation and evolution of equatorial spreadF. Journal of Geophysical Research, 1999, 104, 19859-19869.	3.3	590
54	Satellite studies of mid- and low-latitude ionospheric disturbance zonal plasma drifts. Geophysical Research Letters, 1998, 25, 1503-1506.	1.5	29

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55	Empirical models of storm time equatorial zonal electric fields. Journal of Geophysical Research, 1997, 102, 24047-24056.	3.3	335
56	Storm time dependence of equatorial disturbance dynamo zonal electric fields. Journal of Geophysical Research, 1997, 102, 24037-24046.	3.3	331
57	Incoherent scatter radar, ionosonde, and satellite measurements of equatorialFregion vertical plasma drifts in the evening sector. Geophysical Research Letters, 1996, 23, 1733-1736.	1.5	31
58	Global equatorial ionospheric vertical plasma drifts measured by the AE-E satellite. Journal of Geophysical Research, 1995, 100, 5769.	3.3	183
59	Time dependent response of equatorial ionospheric electric fields to magnetospheric disturbances. Geophysical Research Letters, 1995, 22, 851-854.	1.5	275
60	F region plasma drifts over Arecibo: Solar cycle, seasonal, and magnetic activity effects. Journal of Geophysical Research, 1993, 98, 13645-13652.	3.3	99
61	Average vertical and zonal F region plasma drifts over Jicamarca. Journal of Geophysical Research, 1991, 96, 13901-13906.	3.3	512
62	Equatorial thermospheric wind changes during the solar cycle: Measurements at Arequipa, Peru, from 1983 to 1990. Journal of Geophysical Research, 1991, 96, 15917-15930.	3.3	46
63	Seasonal variations in the equatorial thermospheric wind measured at Arequipa, Peru. Journal of Geophysical Research, 1990, 95, 12243-12250.	3.3	28
64	On the height variation of the equatorial F region vertical plasma drifts. Journal of Geophysical Research, 1987, 92, 4763-4766.	3.3	100
65	The prereversal enhancement of the zonal electric field in the equatorial ionosphere. Journal of Geophysical Research, 1986, 91, 13723-13728.	3.3	324
66	Equatorial Ionospheric Electric Fields Associated with Magnetospheric Disturbances. Astrophysics and Space Science Library, 1986, , 519-545.	1.0	57
67	Equatorial disturbance dynamo electric fields. Geophysical Research Letters, 1983, 10, 537-540.	1.5	150
68	The equatorial ionospheric electric fields. A review. Journal of Atmospheric and Solar-Terrestrial Physics, 1981, 43, 377-386.	0.9	186
69	Interferometer studies of equatorial F region irregularities and drifts. Geophysical Research Letters, 1981, 8, 377-380.	1.5	148
70	Ionospheric irregularities. Reviews of Geophysics, 1980, 18, 401-454.	9.0	779
71	An explanation for anomalous equatorial ionospheric electric fields associated with a northward turning of the interplanetary magnetic field. Geophysical Research Letters, 1979, 6, 301-304.	1.5	411