

Vytenis M Vasyliunas

List of Publications by Citations

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21
papers

4,015
citations

15
h-index

21
g-index

21
ext. papers

4,194
ext. citations

4.3
avg, IF

5.42
L-index

#	Paper	IF	Citations
21	A survey of low-energy electrons in the evening sector of the magnetosphere with OGO 1 and OGO 3. <i>Journal of Geophysical Research</i> , 1968 , 73, 2839-2884		1339
20	Theoretical models of magnetic field line merging. <i>Reviews of Geophysics</i> , 1975 , 13, 303	23.1	1165
19	Mathematical Models of Magnetospheric Convection and its Coupling to the Ionosphere. <i>Astrophysics and Space Science Library</i> , 1970 , 60-71	0.3	511
18	Plasma distribution and flow 1983 , 395-453		356
17	The Interrelationship of Magnetospheric Processes. <i>Astrophysics and Space Science Library</i> , 1972 , 29-38	0.3	242
16	Meaning of ionospheric Joule heating. <i>Journal of Geophysical Research</i> , 2005 , 110,		70
15	Electric field and plasma flow: What drives what?. <i>Geophysical Research Letters</i> , 2001 , 28, 2177-2180	4.9	69
14	Steady State Aspects of Magnetic Field Line Merging. <i>Geophysical Monograph Series</i> , 1984 , 25-31	1.1	50
13	An Overview of Magnetospheric Dynamics. <i>Astrophysics and Space Science Library</i> , 1976 , 99-110	0.3	45
12	Role of the plasma acceleration time in the dynamics of the Jovian magnetosphere. <i>Geophysical Research Letters</i> , 1994 , 21, 401-404	4.9	34
11	The largest imaginable magnetic storm. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2011 , 73, 1444-1446	2	33
10	12. Deep Space Plasma Measurements. <i>Methods in Experimental Physics</i> , 1971 , 9, 49-88		32
9	Physics of Magnetospheric Variability. <i>Space Science Reviews</i> , 2011 , 158, 91-118	7.5	23
8	Ionosphere/thermosphere heating determined from dynamic magnetosphere-ionosphere/thermosphere coupling. <i>Journal of Geophysical Research</i> , 2011 , 116, n/a-n/a		18
7	Reinterpreting the Burton-McPherron-Russell equation for predicting Dst. <i>Journal of Geophysical Research</i> , 2006 , 111,		17
6	Rotationally driven interchange instability: Reply to André and Ferrife. <i>Journal of Geophysical Research</i> , 2007 , 112, n/a-n/a		5
5	Fundamentals of planetary magnetospheres 256-294		4

4	Magnetotail. <i>Geophysical Monograph Series</i> , 2015 , 1-19	1.1	1
3	Role of the solar wind in the structure and dynamics of magnetospheres 2013 ,		1
2	Magnetosphere: From Plasma Observations to Reconnection Theory. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2020JA027865	2.6	0
1	Physics of Magnetospheric Variability 2010 , 91-118		