

# Vytenis M Vasyliunas

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Magnetosphere: From Plasma Observations to Reconnection Theory. <i>Journal of Geophysical Research: Space Physics</i> , <b>2020</b> , 125, e2020JA027865	2.6	0
20	Magnetotail. <i>Geophysical Monograph Series</i> , <b>2015</b> , 1-19	1.1	1
19	Role of the solar wind in the structure and dynamics of magnetospheres <b>2013</b> ,		1
18	Ionosphere/thermosphere heating determined from dynamic magnetosphere-ionosphere/thermosphere coupling. <i>Journal of Geophysical Research</i> , <b>2011</b> , 116, n/a-n/a		18
17	Physics of Magnetospheric Variability. <i>Space Science Reviews</i> , <b>2011</b> , 158, 91-118	7.5	23
16	The largest imaginable magnetic storm. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , <b>2011</b> , 73, 1444-1446	2	33
15	Physics of Magnetospheric Variability <b>2010</b> , 91-118		
14	Rotationally driven interchange instability: Reply to André and Ferrière. <i>Journal of Geophysical Research</i> , <b>2007</b> , 112, n/a-n/a		5
13	Reinterpreting the Burton-McPherron-Russell equation for predicting Dst. <i>Journal of Geophysical Research</i> , <b>2006</b> , 111,		17
12	Meaning of ionospheric Joule heating. <i>Journal of Geophysical Research</i> , <b>2005</b> , 110,		70
11	Electric field and plasma flow: What drives what?. <i>Geophysical Research Letters</i> , <b>2001</b> , 28, 2177-2180	4.9	69
10	Role of the plasma acceleration time in the dynamics of the Jovian magnetosphere. <i>Geophysical Research Letters</i> , <b>1994</b> , 21, 401-404	4.9	34
9	Steady State Aspects of Magnetic Field Line Merging. <i>Geophysical Monograph Series</i> , <b>1984</b> , 25-31	1.1	50
8	Plasma distribution and flow <b>1983</b> , 395-453		356
7	An Overview of Magnetospheric Dynamics. <i>Astrophysics and Space Science Library</i> , <b>1976</b> , 99-110	0.3	45
6	Theoretical models of magnetic field line merging. <i>Reviews of Geophysics</i> , <b>1975</b> , 13, 303	23.1	1165
5	The Interrelationship of Magnetospheric Processes. <i>Astrophysics and Space Science Library</i> , <b>1972</b> , 29-38	0.3	242

4	12. Deep Space Plasma Measurements. <i>Methods in Experimental Physics</i> , <b>1971</b> , 9, 49-88		32
3	Mathematical Models of Magnetospheric Convection and its Coupling to the Ionosphere. <i>Astrophysics and Space Science Library</i> , <b>1970</b> , 60-71	0.3	511
2	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> , <b>1968</b> , 73, 2839-2884		1339
1	Fundamentals of planetary magnetospheres 256-294		4