

Walter D Gonzalez

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.

27
papers

4,183
citations

15
h-index

27
g-index

27
ext. papers

4,707
ext. citations

2.8
avg, IF

4.74
L-index

#	Paper	IF	Citations
27	Flux Transfer Event With an Electron-Scale Substructure Observed by the Magnetospheric Multiscale Mission. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2019JA027308	2.6	0
26	Contribution of ULF Wave Activity to the Global Recovery of the Outer Radiation Belt During the Passage of a High-Speed Solar Wind Stream Observed in September 2014. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 1660-1678	2.6	9
25	Dayside Magnetopause Reconnection: Its Dependence on Solar Wind and Magnetosheath Conditions. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 8778-8787	2.6	5
24	A Global Magnetohydrodynamic Simulation Study of Ultra-low-frequency Wave Activity in the Inner Magnetosphere: Corotating Interaction Region + Alfvénic Fluctuations. <i>Astrophysical Journal</i> , 2019 , 886, 59	4.7	3
23	Generation Mechanism for Interlinked Flux Tubes on the Magnetopause. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 1337-1355	2.6	3
22	How Different Are the Solar Wind-Interplanetary Conditions and the Consequent Geomagnetic Activity During the Ascending and Early Descending Phases of the Solar Cycles 23 and 24?. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 6621-6638	2.6	7
21	Magnetospheric balance of solar wind dynamic pressure. <i>Geophysical Research Letters</i> , 2017 , 44, 2991-2999	2.6	3
20	Comparative study of three reconnection X line models at the Earth's dayside magnetopause using in situ observations. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 4228-4250	2.6	6
19	Acceleration of radiation belt electrons and the role of the average interplanetary magnetic field Bz component in high-speed streams. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 10,084-10,101	2.6	6
18	Solar cycle dependence of High-Intensity Long-Duration Continuous AE Activity (HILDCAA) events, relativistic electron predictors?. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 5626-5638	2.6	68
17	Interplanetary origins of moderate (100 nT) geomagnetic storms. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 385-392	2.6	49
16	Magnetopause reconnection and interlinked flux tubes. <i>Annales Geophysicae</i> , 2013 , 31, 1853-1866	2	7
15	Geomagnetic response to solar and interplanetary disturbances. <i>Journal of Space Weather and Space Climate</i> , 2013 , 3, A26	2.5	8
14	Extremely low geomagnetic activity during the recent deep solar cycle minimum. <i>Proceedings of the International Astronomical Union</i> , 2011 , 7, 200-209	0.1	12
13	High Speed Stream Properties and Related Geomagnetic Activity During the Whole Heliosphere Interval (WHI): 20 March to 16 April 2008. <i>Solar Physics</i> , 2011 , 274, 303-320	2.6	22
12	The solar and interplanetary causes of the recent minimum in geomagnetic activity (MGA23): a combination of midlatitude small coronal holes, low IMF <math>B_z</math> variances, low solar wind speeds and low solar magnetic fields. <i>Annales Geophysicae</i> , 2011 , 29, 839-849	2	69
11	Interplanetary conditions causing intense geomagnetic storms (Dst \leq -100 nT) during solar cycle 23 (1996-2006). <i>Journal of Geophysical Research</i> , 2008 , 113, n/a-n/a		192

10	Interplanetary origin of intense geomagnetic storms (Dst Geophysical Research Letters, 2007 , 34,	4.9	72
9	Magnetospheric Energetics During HILDCAAs. <i>Geophysical Monograph Series</i> , 2006 , 175-182	1.1	16
8	Corotating solar wind streams and recurrent geomagnetic activity: A review. <i>Journal of Geophysical Research</i> , 2006 , 111,		290
7	Geoeffectiveness of corotating interaction regions as measured by Dst index. <i>Journal of Geophysical Research</i> , 2006 , 111,		85
6	Interplanetary origin of geomagnetic storms. <i>Space Science Reviews</i> , 1999 , 88, 529-562	7.5	386
5	Interplanetary origin of geomagnetic activity in the declining phase of the solar cycle. <i>Journal of Geophysical Research</i> , 1995 , 100, 21717-21733		336
4	What is a geomagnetic storm?. <i>Journal of Geophysical Research</i> , 1994 , 99, 5771		1361
3	Origin of interplanetary southward magnetic fields responsible for major magnetic storms near solar maximum (1978-1979). <i>Journal of Geophysical Research</i> , 1988 , 93, 8519		441
2	Criteria of interplanetary parameters causing intense magnetic storms (Dst Planetary and Space Science, 1987 , 35, 1101-1109	2	384
1	A quantitative model for the potential resulting from reconnection with an arbitrary interplanetary magnetic field. <i>Journal of Geophysical Research</i> , 1974 , 79, 4186-4194		343