Walter D Gonzalez

List of Publications by Citations

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	What is a geomagnetic storm?. *Journal of Geophysical Research*, **1994**, 99, 5771		1361
26	Origin of interplanetary southward magnetic fields responsible for major magnetic storms near solar maximum (1978–1979). *Journal of Geophysical Research*, **1988**, 93, 8519		441
25	Interplanetary origin of geomagnetic storms. *Space Science Reviews*, **1999**, 88, 529-562	7.5	386
24	Criteria of interplanetary parameters causing intense magnetic storms (Dst Planetary and Space Science, **1987**, 35, 1101-1109	2	384
23	A quantitative model for the potential resulting from reconnection with an arbitrary interplanetary magnetic field. *Journal of Geophysical Research*, **1974**, 79, 4186-4194		343
22	Interplanetary origin of geomagnetic activity in the declining phase of the solar cycle. *Journal of Geophysical Research*, **1995**, 100, 21717-21733		336
21	Corotating solar wind streams and recurrent geomagnetic activity: A review. *Journal of Geophysical Research*, **2006**, 111,		290
20	Interplanetary conditions causing intense geomagnetic storms (Dst −100 nT) during solar cycle 23 (1996–2006). *Journal of Geophysical Research*, **2008**, 113, n/a-n/a		192
19	Geoeffectiveness of corotating interaction regions as measured by Dst index. *Journal of Geophysical Research*, **2006**, 111,		85
18	Interplanetary origin of intense geomagnetic storms (Dst Geophysical Research Letters, **2007**, 34,	4.9	72
17	The solar and interplanetary causes of the recent minimum in geomagnetic activity (MGA23): a combination of midlatitude small coronal holes, low IMF <I>B</I>_Z variances, low solar wind speeds and low solar magnetic fields. *Annales Geophysicae*, **2011**, 29, 839-849	2	69
16	Solar cycle dependence of High-Intensity Long-Duration Continuous AE Activity (HILDCAA) events, relativistic electron predictors?. *Journal of Geophysical Research: Space Physics*, **2013**, 118, 5626-5638	2.6	68
15	Interplanetary origins of moderate (−100 nT Journal of Geophysical Research: Space Physics, **2013**, 118, 385-392	2.6	49
14	High Speed Stream Properties and Related Geomagnetic Activity During the Whole Heliosphere Interval (WHI): 20 March to 16 April 2008. *Solar Physics*, **2011**, 274, 303-320	2.6	22
13	Magnetospheric Energetics During HILDCAAs. *Geophysical Monograph Series*, **2006**, 175-182	1.1	16
12	Extremely low geomagnetic activity during the recent deep solar cycle minimum. *Proceedings of the International Astronomical Union*, **2011**, 7, 200-209	0.1	12
11	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. *Journal of Geophysical Research: Space Physics*, **2019**, 124, 1660-1678	2.6	9

List of Publications

10	Geomagnetic response to solar and interplanetary disturbances. *Journal of Space Weather and Space Climate*, **2013**, 3, A26	2.5	8
9	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?. *Journal of Geophysical Research: Space Physics*, **2018**, 123, 6621-6638	2.6	7
8	Magnetopause reconnection and interlinked flux tubes. *Annales Geophysicae*, **2013**, 31, 1853-1866	2	7
7	Comparative study of three reconnection X line models at the Earth's dayside magnetopause using in situ observations. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 4228-4250	2.6	6
6	Acceleration of radiation belt electrons and the role of the average interplanetary magnetic field Bz component in high-speed streams. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 10,084-10,101	2.6	6
5	Dayside Magnetopause Reconnection: Its Dependence on Solar Wind and Magnetosheath Conditions. *Journal of Geophysical Research: Space Physics*, **2019**, 124, 8778-8787	2.6	5
4	Magnetospheric balance of solar wind dynamic pressure. *Geophysical Research Letters*, **2017**, 44, 2991-2999	4.9	3
3	Generation Mechanism for Interlinked Flux Tubes on the Magnetopause. *Journal of Geophysical Research: Space Physics*, **2018**, 123, 1337-1355	2.6	3
2	A Global Magnetohydrodynamic Simulation Study of Ultra-low-frequency Wave Activity in the Inner Magnetosphere: Corotating Interaction Region + Alfvenic Fluctuations. *Astrophysical Journal*, **2019**, 886, 59	4.7	3
1	Flux Transfer Event With an Electron-Scale Substructure Observed by the Magnetospheric Multiscale Mission. *Journal of Geophysical Research: Space Physics*, **2020**, 125, e2019JA027308	2.6	0