M O Fillingim

List of Publications by Year
in descending order

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29 papers	1,165 citations	393982 19 h-index	476904 29 g-index
35 all docs	35 docs citations	35 times ranked	1344 citing authors

#	Article	IF	Citations
1	Space Weather Observations With InSight. Geophysical Research Letters, 2021, 48, e2021GL095432.	1.5	5
2	Energetics and AlfvÃ©nic Coupling of a Poleward Boundary Intensification: A Polar Case Study. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA028041.	0.8	0
3	The Origin of Observed Magnetic Variability for a Sol on Mars From InSight. Journal of Geophysical Research E: Planets, 2020, 125, e2020JE006505.	1.5	15
4	Crustal and time-varying magnetic fields at the InSight landing site on Mars. Nature Geoscience, 2020, 13, 199-204.	5.4	68
5	Invertedâ€V Electron Acceleration Events Concurring With Localized Auroral Observations at Mars by MAVEN. Geophysical Research Letters, 2020, 47, e2020GL087414.	1.5	26
6	Initial results from the InSight mission on Mars. Nature Geoscience, 2020, 13, 183-189.	5.4	274
7	Modeling Windâ€Driven Ionospheric Dynamo Currents at Mars: Expectations for InSight Magnetic Field Measurements. Geophysical Research Letters, 2019, 46, 5083-5091.	1.5	20
8	Evolution of Asymmetrically Displaced Footpoints During Substorms. Journal of Geophysical Research: Space Physics, 2018, 123, 10,030.	0.8	19
9	Using Magnetic Topology to Probe the Sources of Mars' Nightside Ionosphere. Geophysical Research Letters, 2018, 45, 12,190.	1.5	36
10	Fieldâ€Aligned Electrostatic Potentials Above the Martian Exobase From MGS Electron Reflectometry: Structure and Variability. Journal of Geophysical Research E: Planets, 2018, 123, 67-92.	1.5	14
11	Auroral precipitating energy during long magnetic storms. Journal of Geophysical Research: Space Physics, 2017, 122, 6007-6021.	0.8	3
12	Deep nightside photoelectron observations by MAVEN SWEA: Implications for Martian northern hemispheric magnetic topology and nightside ionosphere source. Geophysical Research Letters, 2016, 43, 8876-8884.	1.5	54
13	The â€œAlfvÃ©nic surgeâ€•at substorm onset/expansion and the formation of â€œInverted Vsâ€• Cluster and IMAGE observations. Journal of Geophysical Research: Space Physics, 2016, 121, 3978-4004.	0.8	14
14	Electrodynamics of the Martian dynamo region near magnetic cusps and loops. Geophysical Research Letters, 2014, 41, 1119-1125.	1.5	26
15	Threeâ€dimensional multifluid modeling of atmospheric electrodynamics in Mars' dynamo region. Journal of Geophysical Research: Space Physics, 2013, 118, 3647-3659.	0.8	21
16	Flow bouncing and electron injection observed by Cluster. Journal of Geophysical Research: Space Physics, 2013, 118, 2055-2072.	0.8	38
17	On wind-driven electrojets at magnetic cusps in the nightside ionosphere of Mars. Earth, Planets and Space, 2012, 64, 93-103.	0.9	23
18	Threeâ€dimensional structure of the Martian nightside ionosphere: Predicted rates of impact ionization from Mars Global Surveyor magnetometer and electron reflectometer measurements of precipitating electrons. Journal of Geophysical Research, 2011, 116, .	3.3	65

#	Article	IF	Citations
19	Auroral signatures of the plasma injection and dipolarization in the inner magnetosphere. Journal of Geophysical Research, 2010, 115, .	3.3	12
20	Time development of fieldâ€aligned currents, potential drops, and plasma associated with an auroral poleward boundary intensification. Journal of Geophysical Research, 2010, 115, .	3.3	36
21	Nightside ionosphere of Mars: Modeling the effects of crustal magnetic fields and electron pitch angle distributions on electron impact ionization. Journal of Geophysical Research, 2009, 114, .	3.3	88
22	Current sheets at low altitudes in the Martian magnetotail. Geophysical Research Letters, 2006, 33, .	1.5	56
23	Hemispheric asymmetry of the afternoon electron aurora. Geophysical Research Letters, 2005, 32, .	1.5	23
24	Observations and model predictions of substorm auroral asymmetries in the conjugate hemispheres. Geophysical Research Letters, 2005, 32, .	1.5	62
25	Response of the magnetotail to changes in the open flux content of the magnetosphere. Journal of Geophysical Research, 2004, 109, .	3.3	83
26	Kinetic Characterization of Plasma Sheet Dynamics. Space Science Reviews, 2001, 95, 237-255.	3.7	35
27	Comparison of plasma sheet dynamics during pseudobreakups and expansive aurorae. Physics of Plasmas, 2001, 8, 1127.	0.7	12
28	Coincident POLAR/UVI and WIND observations of pseudobreakups. Geophysical Research Letters, 2000, 27, 1379-1382.	1.5	24
29	Behavior of the aurora during 10-12 May, 1999 when the solar wind nearly disappeared. Geophysical Research Letters, 2000, 27, 4033-4036.	1.5	5