Howard J Singer

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/4964261/publications.pdf

Version: 2024-02-01

57	4,692	156536	175968
papers	citations	32 h-index	55 g-index

61	61	61	2487
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Nighttime Magnetic Perturbation Events Observed in Arctic Canada: 3. Occurrence and Amplitude as Functions of Magnetic Latitude, Local Time, and Magnetic Disturbance Indices. Space Weather, 2021, 19, e2020SW002526.	1.3	15
2	Propagation of Ultralowâ€Frequency Waves from the Ion Foreshock into the Magnetosphere During the Passage of a Magnetic Cloud. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028474.	0.8	10
3	A Grayâ€Box Model for a Probabilistic Estimate of Regional Ground Magnetic Perturbations: Enhancing the NOAA Operational Geospace Model With Machine Learning. Journal of Geophysical Research: Space Physics, 2020, 125, e2019JA027684.	0.8	20
4	Nighttime Magnetic Perturbation Events Observed in Arctic Canada: 2. Multipleâ€Instrument Observations. Journal of Geophysical Research: Space Physics, 2019, 124, 7459-7476.	0.8	35
5	Proton and Electron Injection Path at Geosynchronous Altitude. Journal of Geophysical Research: Space Physics, 2019, 124, 4083-4103.	0.8	13
6	Comparison of Van Allen Probes Energetic Electron Data With Corresponding GOESâ€15 Measurements: 2012â€“2018. Journal of Geophysical Research: Space Physics, 2019, 124, 9924-9942.	0.8	16
7	The Role of Localized Compressional Ultraâ€low Frequency Waves in Energetic Electron Precipitation. Journal of Geophysical Research: Space Physics, 2018, 123, 1900-1914.	0.8	36
8	Multiscale Currents Observed by MMS in the Flow Braking Region. Journal of Geophysical Research: Space Physics, 2018, 123, 1260-1278.	0.8	32
9	Model Evaluation Guidelines for Geomagnetic Index Predictions. Space Weather, 2018, 16, 2079-2102.	1.3	62
10	EMIC Wave Events During the Four GEM QARBM Challenge Intervals. Journal of Geophysical Research: Space Physics, 2018, 123, 6394-6423.	0.8	20
11	MMS, Van Allen Probes, GOES 13, and Groundâ€Based Magnetometer Observations of EMIC Wave Events Before, During, and After a Modest Interplanetary Shock. Journal of Geophysical Research: Space Physics, 2018, 123, 8331-8357.	0.8	30
12	Magnetotail Configuration During a Steady Convection Event as Observed by Lowâ€Altitude and Magnetospheric Spacecraft. Journal of Geophysical Research: Space Physics, 2018, 123, 8390-8406.	0.8	4
13	Recommendations for Nextâ€Generation Ground Magnetic Perturbation Validation. Space Weather, 2018, 16, 1912-1920.	1.3	27
14	Ion Injection Triggered EMIC Waves in the Earth's Magnetosphere. Journal of Geophysical Research: Space Physics, 2018, 123, 4921-4938.	0.8	40
15	Spatial Development of the Dipolarization Region in the Inner Magnetosphere. Journal of Geophysical Research: Space Physics, 2018, 123, 5452-5463.	0.8	19
16	Global observations of magnetospheric highâ€m poloidal waves during the 22 June 2015 magnetic storm. Geophysical Research Letters, 2017, 44, 3456-3464.	1.5	43
17	Conjugate observations of electromagnetic ion cyclotron waves associated with traveling convection vortex events. Journal of Geophysical Research: Space Physics, 2017, 122, 7336-7352.	0.8	7
18	Second harmonic poloidal waves observed by Van Allen Probes in the duskâ€midnight sector. Journal of Geophysical Research: Space Physics, 2017, 122, 3013-3039.	0.8	39

#	Article	IF	Citations
19	Near-Earth plasma sheet boundary dynamics during substorm dipolarization. Earth, Planets and Space, 2017, 69, 129.	0.9	15
20	Communityâ€wide validation of geospace model local Kâ€index predictions to support model transition to operations. Space Weather, 2016, 14, 469-480.	1.3	27
21	Propagation of ULF waves from the upstream region to the midnight sector of the inner magnetosphere. Journal of Geophysical Research: Space Physics, 2016, 121, 8428-8447.	0.8	17
22	Three-dimensional current systems and ionospheric effects associated with small dipolarization fronts. Journal of Geophysical Research: Space Physics, 2015, 120, 3739-3757.	0.8	16
23	Source and seed populations for relativistic electrons: Their roles in radiation belt changes. Journal of Geophysical Research: Space Physics, 2015, 120, 7240-7254.	0.8	215
24	Van Allen probes, NOAA, GOES, and ground observations of an intense EMIC wave event extending over 12 h in magnetic local time. Journal of Geophysical Research: Space Physics, 2015, 120, 5465-5488.	0.8	127
25	Conjugate observations of traveling convection vortices associated with transient events at the magnetopause. Journal of Geophysical Research: Space Physics, 2015, 120, 2015-2035.	0.8	18
26	Testing a twoâ€loop pattern of the substorm current wedge (SCW2L). Journal of Geophysical Research: Space Physics, 2014, 119, 947-963.	0.8	55
27	Multispacecraft observations of fundamental poloidal waves without ground magnetic signatures. Journal of Geophysical Research: Space Physics, 2013, 118, 4319-4334.	0.8	31
28	Simultaneous traveling convection vortex events and Pc1 wave bursts at cusp latitudes observed in Arctic Canada and Svalbard. Journal of Geophysical Research: Space Physics, 2013, 118, 6352-6363.	0.8	6
29	The detailed spatial structure of fieldâ€aligned currents comprising the substorm current wedge. Journal of Geophysical Research: Space Physics, 2013, 118, 7714-7727.	0.8	63
30	ULF wave derived radiation belt radial diffusion coefficients. Journal of Geophysical Research, 2012, 117, .	3.3	98
31	Solar cycle dependence of bulk ion composition at geosynchronous orbit. Journal of Geophysical Research, 2011, 116, .	3.3	30
32	Geospace Environment Modeling 2008â€“2009 Challenge: Ground magnetic field perturbations. Space Weather, 2011, 9, .	1.3	71
33	Ultralow-frequency modulation of whistler-mode wave growth. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	23
34	EMIC waves observed at geosynchronous orbit during solar minimum: Statistics and excitation. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	54
35	Multisatellite observations of a giant pulsation event. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	43
36	Pc5 wave power in the quietâ€time plasmasphere and trough: CRRES observations. Geophysical Research Letters, 2010, 37, .	1.5	19

#	Article	IF	Citations
37	Multipoint observation of fast mode waves trapped in the dayside plasmasphere. Journal of Geophysical Research, 2010, 115, .	3.3	34
38	The Upgraded CARISMA Magnetometer Array inÂtheÂTHEMIS Era. Space Science Reviews, 2008, 141, 413-451.	3.7	258
39	Multipoint observations of magnetospheric compressionâ€related EMIC Pc1 waves by THEMIS and CARISMA. Geophysical Research Letters, 2008, 35, .	1.5	141
40	Cluster observations in the inner magnetosphere during the 18 April 2002 sawtooth event: Dipolarization and injection at r = 4.6 R_E. Journal of Geophysical Research, 2007, 112, .	3.3	40
41	Effects of the fast plasma sheet flow on the geosynchronous magnetic configuration: Geotail and GOES coordinated study. Journal of Geophysical Research, 2006, 111, .	3.3	79
42	A statistical study of the global structure of the ring current. Journal of Geophysical Research, 2004, 109, .	3.3	62
43	The radial gradient of relativistic electrons at geosynchronous orbit. Journal of Geophysical Research, 2004, 109, .	3.3	50
44	Pressure-pulse interaction with the magnetosphere and ionosphere. Journal of Geophysical Research, 2003, 108, .	3.3	43
45	Observations of two types of Pc 1-2 pulsations in the outer dayside magnetosphere. Journal of Geophysical Research, 2002, 107, SMP 20-1-SMP 20-20.	3.3	99
46	April 2000 magnetic storm: Solar wind driver and magnetospheric response. Journal of Geophysical Research, 2002, 107, SMP 15-1-SMP 15-21.	3.3	52
47	Global simulation of the Geospace Environment Modeling substorm challenge event. Journal of Geophysical Research, 2001, 106, 381-395.	3.3	232
48	Event study of deep energetic particle injections during substorm. Journal of Geophysical Research, 1998, 103, 9217-9234.	3.3	67
49	Magnetopause location under extreme solar wind conditions. Journal of Geophysical Research, 1998, 103, 17691-17700.	3.3	854
50	A new functional form to study the solar wind control of the magnetopause size and shape. Journal of Geophysical Research, 1997, 102, 9497-9511.	3.3	652
51	<title>Space environment monitoring mission beyond GOES-M</title>. , 1996, 2812, 320.		1
52	<title>Monitoring space weather with the GOES magnetometers</title>. , 1996, 2812, 299.		150
53	Fieldâ€aligned currents associated with substorms in the vicinity of synchronous orbit: 1. The July 5, 1979, substorm observed by SCATHA, GOES 3, and GOES 2. Journal of Geophysical Research, 1987, 92, 2425-2431.	3.3	33
54	Midâ€latitude Pi 2 polarization pattern and synchronous orbit magnetic activity. Journal of Geophysical Research, 1985, 90, 6451-6458.	3.3	28

#	Article	IF	Citations
55	Magnetic disturbances in the vicinity of synchronous orbit and the substorm current wedge: A case study. Journal of Geophysical Research, 1985, 90, 9583-9589.	3.3	35
56	Standing hydromagnetic waves observed by ISEE 1 and 2: Radial extent and harmonic. Journal of Geophysical Research, 1982, 87, 3519-3529.	3.3	138
57	Alfven wave resonances in a realistic magnetospheric magnetic field geometry. Journal of Geophysical Research, 1981, 86, 4589-4596.	3.3	248