

Michael A Hapgood

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/2495685/michael-a-hapgood-publications-by-year.pdf>

Version: 2024-04-24

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

67
papers

2,096
citations

23
h-index

45
g-index

91
ext. papers

2,402
ext. citations

4.5
avg, IF

5
L-index

#	Paper	IF	Citations
67	Ionospheric Science: An Example of the Importance of Diversity in Approaches to Scientific Research. <i>Atmosphere</i> , 2022 , 13, 394	2.7	0
66	Development of Space Weather Reasonable Worst-Case Scenarios for the UK National Risk Assessment. <i>Space Weather</i> , 2021 , 19, e2020SW002593	3.7	12
65	Cluster After 20 Years of Operations: Science Highlights and Technical Challenges. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2021JA029474	2.6	0
64	The Great Storm of May 1921: An Exemplar of a Dangerous Space Weather Event. <i>Space Weather</i> , 2019 , 17, 950-975	3.7	30
63	The Impact of Space Weather on Human Missions to Mars: The Need for Good Engineering and Good Forecasts. <i>Space and Society</i> , 2019 , 69-91	0.2	2
62	Technological Impacts of Space Weather 2019 , 251-264		2
61	Assessment and recommendations for a consolidated European approach to space weather as part of a global space weather effort. <i>Journal of Space Weather and Space Climate</i> , 2019 , 9, A37	2.5	10
60	A Risk Assessment Framework for the Socioeconomic Impacts of Electricity Transmission Infrastructure Failure Due to Space Weather: An Application to the United Kingdom. <i>Risk Analysis</i> , 2019 , 39, 1022-1043	3.9	21
59	Space Weather: What are Policymakers Seeking? 2018 , 657-682		3
58	Quantifying the Economic Value of Space Weather Forecasting for Power Grids: An Exploratory Study. <i>Space Weather</i> , 2018 , 16, 2052-2067	3.7	21
57	Satellite navigation: Amazing technology but insidious risk: Why everyone needs to understand space weather. <i>Space Weather</i> , 2017 , 15, 545-548	3.7	16
56	The Economic Impact of Space Weather: Where Do We Stand?. <i>Risk Analysis</i> , 2017 , 37, 206-218	3.9	119
55	The ESPAS e-infrastructure: Access to data from near-Earth space. <i>Advances in Space Research</i> , 2016 , 58, 1177-1200	2.4	6
54	Understanding space weather to shield society: A global road map for 2015-2025 commissioned by COSPAR and ILWS. <i>Advances in Space Research</i> , 2015 , 55, 2745-2807	2.4	174
53	The Science of the Cluster Mission. <i>Thirty Years of Astronomical Discovery With UKIRT</i> , 2015 , 159-179	0.3	1
52	Three-dimensional simulation of dust charging and dusty plasma using SPIS. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 6723-6735	2.6	8
51	Dynamical processes in space: Cluster results. <i>Annales Geophysicae</i> , 2013 , 31, 1045-1059	2	17

50	Alfvén: magnetosphere-ionosphere connection explorers. <i>Experimental Astronomy</i> , 2012 , 33, 445-489	1.3	8
49	Astrophysics: Prepare for the coming space weather storm. <i>Nature</i> , 2012 , 484, 311-3	50.4	34
48	Predicting space climate change. <i>Geophysical Research Letters</i> , 2011 , 38, n/a-n/a	4.9	53
47	Towards a scientific understanding of the risk from extreme space weather. <i>Advances in Space Research</i> , 2011 , 47, 2059-2072	2.4	83
46	Science operations planning expertise: A neglected component of mission design. <i>Advances in Space Research</i> , 2011 , 48, 971-978	2.4	1
45	HELIO: The Heliophysics Integrated Observatory. <i>Advances in Space Research</i> , 2011 , 47, 2235-2239	2.4	16
44	Generic procedure for designing and implementing plan management systems for space science missions operations. <i>Advances in Space Research</i> , 2011 , 48, 955-970	2.4	1
43	The role of suprathermal particle measurements in CrossScale studies of collisionless plasma processes. <i>Planetary and Space Science</i> , 2011 , 59, 618-629	2	43
42	Ionospheric correction of space radar data. <i>Acta Geophysica</i> , 2010 , 58, 453-467	2.2	4
41	Plan management system for space science mission systems. <i>Advances in Space Research</i> , 2009 , 44, 1-22	2.4	3
40	Renewed Support Dawns in Europe: An Action to Develop Space Weather Products and Services. <i>Space Weather</i> , 2009 , 7, n/a-n/a	3.7	5
39	A solar storm observed from the Sun to Venus using the STEREO, Venus Express, and MESSENGER spacecraft. <i>Journal of Geophysical Research</i> , 2009 , 114, n/a-n/a		61
38	The interaction of a flowing plasma with a dipole magnetic field: measurements and modelling of a diamagnetic cavity relevant to spacecraft protection. <i>Plasma Physics and Controlled Fusion</i> , 2008 , 50, 124025	2	24
37	First imaging of corotating interaction regions using the STEREO spacecraft. <i>Geophysical Research Letters</i> , 2008 , 35,	4.9	149
36	A comparison of Cluster magnetic data with the Tsyganenko 2001 model. <i>Journal of Geophysical Research</i> , 2007 , 112, n/a-n/a		12
35	Space exploration and the RAS. <i>Astronomy and Geophysics</i> , 2007 , 48, 6.9-6.10	0.2	1
34	The Rough Guide to the Moon and Mars. <i>Astronomy and Geophysics</i> , 2007 , 48, 6.11-6.17	0.2	14
33	Modelling long-term trends in lunar exposure to the Earth's plasmasheet. <i>Annales Geophysicae</i> , 2007 , 25, 2037-2044	2	11

32	Solar And Cosmic Ray Physics And The Space Environment: Studies For And With LISA. <i>AIP Conference Proceedings</i> , 2006 ,	0	17
31	Impact factors - signal or noise?. <i>Astronomy and Geophysics</i> , 2005 , 46, 2.15-2.15	0.2	
30	The Double Star mission. <i>Annales Geophysicae</i> , 2005 , 23, 2707-2712	2	74
29	Toolkit for Updating Interplanetary Proton Cumulated Fluence Models. <i>Journal of Spacecraft and Rockets</i> , 2005 , 42, 1077-1090	1.5	22
28	Analyses on the geometrical structure of magnetic field in the current sheet based on cluster measurements. <i>Journal of Geophysical Research</i> , 2003 , 108,		78
27	Coordinated Cluster, ground-based instrumentation and low-altitude satellite observations of transient poleward-moving events in the ionosphere and in the tail lobe. <i>Annales Geophysicae</i> , 2001 , 19, 1589-1612	2	18
26	Coordinated Cluster and ground-based instrument observations of transient changes in the magnetopause boundary layer during an interval of predominantly northward IMF: relation to reconnection pulses and FTE signatures. <i>Annales Geophysicae</i> , 2001 , 19, 1613-1640	2	24
25	The low-latitude boundary layer: Application of ISTP advances to past data. <i>Geophysical Monograph Series</i> , 1999 , 103-111	1.1	2
24	On the cause of a magnetospheric flux transfer event. <i>Journal of Geophysical Research</i> , 1998 , 103, 26453-26478	4.2	
23	How the magnetopause transition parameter works. <i>Geophysical Research Letters</i> , 1997 , 24, 373-376	4.9	31
22	THE JOINT SCIENCE OPERATIONS CENTRE. <i>Space Science Reviews</i> , 1997 , 79, 487-1-2	7.5	4
21	The Joint Science Operations Centre 1997 , 487-525		3
20	An equinoctial asymmetry in the high-latitude thermosphere and ionosphere. <i>Journal of Geophysical Research</i> , 1996 , 101, 15713-15722		21
19	Space physics coordinate transformations: the role of precession. <i>Annales Geophysicae</i> , 1995 , 13, 713-716		3
18	Rapid changes in LLBL thickness. <i>Geophysical Research Letters</i> , 1995 , 22, 77-80	4.9	14
17	On the potential of interplanetary scintillation for predicting geomagnetic activity. <i>Geophysical Research Letters</i> , 1994 , 21, 637-640	4.9	5
16	On the voltage and distance across the low latitude boundary layer. <i>Geophysical Research Letters</i> , 1993 , 20, 145-148	4.9	14
15	Space physics coordinate transformations: A user guide. <i>Planetary and Space Science</i> , 1992 , 40, 711-717	2	123

14	Exploring the magnetospheric boundary layer. <i>Planetary and Space Science</i> , 1992 , 40, 1431-1459	2	42
13	Variability of the interplanetary medium at 1 a.u. over 24 years: 1963-1986. <i>Planetary and Space Science</i> , 1991 , 39, 411-423	2	60
12	On the origin of ripple-type wave structure in the OH nightglow emission. <i>Planetary and Space Science</i> , 1990 , 38, 1421-1430	2	82
11	Short-term variability of solar wind number density, speed and dynamic pressure as a function of the interplanetary magnetic field components: A survey over two solar cycles. <i>Geophysical Research Letters</i> , 1990 , 17, 1825-1828	4.9	8
10	The transition from the magnetosheath to the magnetosphere. <i>Geophysical Research Letters</i> , 1990 , 17, 2039-2042	4.9	13
9	Re-ordered electron data in the low-latitude boundary layer. <i>Geophysical Research Letters</i> , 1990 , 17, 2043-2046	4.9	27
8	Identification of a thunderstorm as a source of short period gravity waves in the upper atmospheric nightglow emissions. <i>Planetary and Space Science</i> , 1988 , 36, 975-985	2	158
7	The generation and propagation of atmospheric gravity waves observed during the Worldwide Atmospheric Gravity-wave Study (WAGS). <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 1988 , 50, 323-338		56
6	Observations of gravity wave propagation in the OI (557.7 nm), Na (589.2 nm) and the near infrared OH nightglow emissions. <i>Planetary and Space Science</i> , 1987 , 35, 413-427	2	100
5	A narrow auroral arc observed with EISCAT. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 1987 , 49, 49-55		2
4	The effect of atmospheric screening on the visible border of noctilucent clouds. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 1984 , 46, 363-372		8
3	Two-station television observations of Perseid meteors. <i>Monthly Notices of the Royal Astronomical Society</i> , 1982 , 201, 569-577	4.3	15
2	Fragmentation of a meteor in near-Earth space. <i>Nature</i> , 1981 , 290, 384-386	50.4	6
1	IR observation of a persistent meteor train. <i>Nature</i> , 1980 , 286, 582-583	50.4	20