

D K Haggerty

List of Publications by Year in descending order

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89
papers

3,124
citations

185998

28
h-index

161609

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95
all docs

95
docs citations

95
times ranked

2094
citing authors

#	ARTICLE	IF	CITATIONS
1	Electron, Proton, and Alpha Monitor on the Advanced Composition Explorer spacecraft. <i>Space Science Reviews</i> , 1998, 86, 541-562.	3.7	281
2	Proton, helium, and electron spectra during the large solar particle events of October-November 2003. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	187
3	Impulsive Near-relativistic Solar Electron Events: Delayed Injection with Respect to Solar Electromagnetic Emission. <i>Astrophysical Journal</i> , 2002, 579, 841-853.	1.6	171
4	Radiation Belt Storm Probes Ion Composition Experiment (RBSPICE). <i>Space Science Reviews</i> , 2013, 179, 263-308.	3.7	155
5	The Jupiter Energetic Particle Detector Instrument (JEDI) Investigation for the Juno Mission. <i>Space Science Reviews</i> , 2017, 213, 289-346.	3.7	148
6	Energy Spectra, Composition, and Other Properties of Ground-Level Events During Solar Cycle 23. <i>Space Science Reviews</i> , 2012, 171, 97-120.	3.7	139
7	Numerous small magnetic field discontinuities of Bartels rotation 2286 and the potential role of Alfvénic turbulence. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	111
8	OBSERVATIONS OF SOLAR ENERGETIC PARTICLES FROM ³ He-RICH EVENTS OVER A WIDE RANGE OF HELIOGRAPHIC LONGITUDE. <i>Astrophysical Journal</i> , 2013, 762, 54.	1.6	109
9	The Energetic Particle Detector. <i>Astronomy and Astrophysics</i> , 2020, 642, A7.	2.1	107
10	Juno observations of energetic charged particles over Jupiter's polar regions: Analysis of monodirectional and bidirectional electron beams. <i>Geophysical Research Letters</i> , 2017, 44, 4410-4418.	1.5	90
11	The Acceleration and Release of Near-relativistic Electrons by Coronal Mass Ejections. <i>Astrophysical Journal</i> , 2002, 579, 854-862.	1.6	87
12	Discrete and broadband electron acceleration in Jupiter's powerful aurora. <i>Nature</i> , 2017, 549, 66-69.	13.7	79
13	LONGITUDINAL PROPERTIES OF A WIDESPREAD SOLAR ENERGETIC PARTICLE EVENT ON 2014 FEBRUARY 25: EVOLUTION OF THE ASSOCIATED CME SHOCK. <i>Astrophysical Journal</i> , 2016, 819, 72.	1.6	72
14	Absence of energetic particle effects associated with magnetic reconnection exhausts in the solar wind. <i>Geophysical Research Letters</i> , 2005, 32, n/a-n/a.	1.5	71
15	ACE Observations of the Bastille Day 2000 Interplanetary Disturbances. <i>Solar Physics</i> , 2001, 204, 227-252.	1.0	50
16	Energetic Particles in the Jovian Magnetotail. <i>Science</i> , 2007, 318, 220-222.	6.0	50
17	Understanding large SEP events with the PATH code: Modeling of the 13 December 2006 SEP event. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	49
18	Diverse Electron and Ion Acceleration Characteristics Observed Over Jupiter's Main Aurora. <i>Geophysical Research Letters</i> , 2018, 45, 1277-1285.	1.5	49

#	ARTICLE	IF	CITATIONS
19	Energetic Particles and Acceleration Regions Over Jupiter's Polar Cap and Main Aurora: A Broad Overview. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA027699.	0.8	47
20	INTERPLANETARY PROPAGATION OF SOLAR ENERGETIC PARTICLE HEAVY IONS OBSERVED AT 1 AU AND THE ROLE OF ENERGY SCALING. <i>Astrophysical Journal</i> , 2012, 761, 104.	1.6	45
21	Processes forming and sustaining Saturn's proton radiation belts. <i>Icarus</i> , 2013, 222, 323-341.	1.1	45
22	Long-Term Fluences of Solar Energetic Particles from H to Fe. <i>Space Science Reviews</i> , 2007, 130, 323-328.	3.7	43
23	Precipitating Electron Energy Flux and Characteristic Energies in Jupiter's Main Auroral Region as Measured by Juno/JEDI. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 7554-7567.	0.8	42
24	Energetic particle signatures of magnetic field-aligned potentials over Jupiter's polar regions. <i>Geophysical Research Letters</i> , 2017, 44, 8703-8711.	1.5	41
25	The Mushroom: A half-sky energetic ion and electron detector. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 1513-1530.	0.8	40
26	Intervals of Intense Energetic Electron Beams Over Jupiter's Poles. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 1989-1999.	0.8	35
27	Observation by Ulysses of hot (~ 270 keV) coronal particles at 32° south heliolatitude and 4.6 AU. <i>Geophysical Research Letters</i> , 1994, 21, 1747-1750.	1.5	32
28	Jovian bow shock and magnetopause encounters by the Juno spacecraft. <i>Geophysical Research Letters</i> , 2017, 44, 4506-4512.	1.5	30
29	MAGNETIC FIELD-LINE LENGTHS IN INTERPLANETARY CORONAL MASS EJECTIONS INFERRED FROM ENERGETIC ELECTRON EVENTS. <i>Astrophysical Journal</i> , 2011, 736, 106.	1.6	28
30	A heavy ion and proton radiation belt inside of Jupiter's rings. <i>Geophysical Research Letters</i> , 2017, 44, 5259-5268.	1.5	28
31	³ He-rich Solar Energetic Particle Observations at the Parker Solar Probe and near Earth. <i>Astrophysical Journal, Supplement Series</i> , 2020, 246, 42.	3.0	27
32	On the Solar Origins of Open Magnetic Fields in the Heliosphere. <i>Astrophysical Journal</i> , 2008, 687, 635-645.	1.6	26
33	Evidence for extended acceleration of solar flare ions from $1\text{--}8$ MeV solar neutrons detected with the MESSENGER Neutron Spectrometer. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	26
34	SERENA: Particle Instrument Suite for Determining the Sun-Mercury Interaction from BepiColombo. <i>Space Science Reviews</i> , 2021, 217, 11.	3.7	26
35	Composition of energetic particles in the Jovian magnetotail. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	23
36	Observation and interpretation of energetic ion conics in Jupiter's polar magnetosphere. <i>Geophysical Research Letters</i> , 2017, 44, 4419-4425.	1.5	21

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37	Heavy Ion Charge States in Jupiter's Polar Magnetosphere Inferred From Auroral Megavolt Electric Potentials. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2020JA028052.	0.8	21
38	Observations of Jovian upstream events by Ulysses. <i>Journal of Geophysical Research</i> , 1999, 104, 4629-4642.	3.3	20
39	Are CME "interactions" really important for accelerating major solar energetic particle events?. <i>Geophysical Research Letters</i> , 2003, 30, .	1.5	20
40	Jovian Auroral Ion Precipitation: X-Ray Production From Oxygen and Sulfur Precipitation. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA027007.	0.8	20
41	Escaping near-relativistic electron beams from the solar corona. <i>Advances in Space Research</i> , 2003, 32, 2673-2678.	1.2	19
42	Interplanetary magnetic field connection to the L1 Lagrangian orbit during upstream energetic ion events. <i>Journal of Geophysical Research</i> , 2000, 105, 25123-25131.	3.3	18
43	How Efficient are Coronal Mass Ejections at Accelerating Solar Energetic Particles?. <i>AIP Conference Proceedings</i> , 2008, , .	0.3	18
44	Energetic particle evidence for magnetic filaments in Jupiter's magnetotail. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	18
45	Electron scattering in solid state detectors: Geant 4 simulations. <i>Advances in Space Research</i> , 2003, 32, 423-428.	1.2	17
46	Jovian Injections Observed at High Latitude. <i>Geophysical Research Letters</i> , 2019, 46, 9397-9404.	1.5	17
47	Title is missing!. <i>Space Science Reviews</i> , 2001, 97, 277-280.	3.7	16
48	Juno/JEDI observations of 0.01 to >10 MeV energetic ions in the Jovian auroral regions: Anticipating a source for polar X-ray emission. <i>Geophysical Research Letters</i> , 2017, 44, 6476-6482.	1.5	16
49	Energetic Proton Acceleration Associated With Io's Footprint Tail. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL090839.	1.5	16
50	The "Puck" energetic charged particle detector: Design, heritage, and advancements. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 7900-7913.	0.8	15
51	Investigation of Mass/Charge-Dependent Escape of Energetic Ions Across the Magnetopauses of Earth and Jupiter. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 5539-5567.	0.8	15
52	Qualitative comparison of ACE/EPAM data from different detector heads: Implications for NOAA RTSW users. <i>Advances in Space Research</i> , 2006, 38, 995-1000.	1.2	14
53	Suprathermal ions and MHD turbulence observed upstream of an interplanetary shock by Advanced Composition Explorer. <i>Journal of Geophysical Research</i> , 2000, 105, 7521-7531.	3.3	12
54	Organization of Energetic Particles by the Solar Wind Structure During the Declining to Minimum Phase of Solar Cycle 23. <i>Solar Physics</i> , 2010, 263, 239-261.	1.0	12

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55	Io's Effect on Energetic Charged Particles as Seen in Juno Data. Geophysical Research Letters, 2019, 46, 13615-13620.	1.5	12
56	Observations of a ³ He-rich SEP Event over a Broad Range of Heliographic Longitudes: Results from STEREO and ACE. AIP Conference Proceedings, 2010, , .	0.3	11
57	Flat Proton Spectra in Large Solar Energetic Particle Events. Journal of Physics: Conference Series, 2018, 1100, 012014.	0.3	11
58	Juno Energetic Neutral Atom (ENA) Remote Measurements of Magnetospheric Injection Dynamics in Jupiter's Io Torus Regions. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA027964.	0.8	11
59	Radiation Belt Storm Probes Ion Composition Experiment (RBSPICE). , 2013, , 263-308.		11
60	THE CORONAL AND HELIOSPHERIC 2007 MAY 19 EVENT: CORONAL MASS EJECTION, EXTREME ULTRAVIOLET IMAGER WAVE, RADIO BURSTS, AND ENERGETIC ELECTRONS. Astrophysical Journal, 2010, 715, 468-476.	1.6	10
61	Radiation near Jupiter detected by Juno/JEDI during PJ1 and PJ3. Geophysical Research Letters, 2017, 44, 4426-4431.	1.5	10
62	Jupiter's Ion Radiation Belts Inward of Europa's Orbit. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028925.	0.8	10
63	Energy Spectra Near Ganymede From Juno Data. Geophysical Research Letters, 2021, 48, e2021GL093021.	1.5	10
64	Radiation risks from large solar energetic particle events. AIP Conference Proceedings, 2007, , .	0.3	9
65	Simultaneous observations of energetic (~ 150 keV) protons upstream of the Earth's bow shock at ACE and WIND. Geophysical Research Letters, 1999, 26, 169-172.	1.5	8
66	Multipoint connectivity analysis of the May 2007 solar energetic particle events. Journal of Geophysical Research, 2010, 115, .	3.3	8
67	Electron butterfly distributions at particular magnetic latitudes observed during Juno's perijove pass. Geophysical Research Letters, 2017, 44, 4489-4496.	1.5	6
68	Callisto's Atmosphere and Its Space Environment: Prospects for the Particle Environment Package on Board JUICE. Earth and Space Science, 2022, 9, .	1.1	6
69	Energetic charged particle fluxes relevant to Ganymede's polar region. Geophysical Research Letters, 0, , .	1.5	6
70	Two distinct plasma and energetic ion distributions within the June 1998 magnetic cloud. AIP Conference Proceedings, 2000, , .	0.3	5
71	Monte Carlo simulations of CASSINI/LEMMS. Advances in Space Research, 2004, 33, 2303-2308.	1.2	5
72	Probing SEP Acceleration Processes With Near-relativistic Electrons. , 2009, , .		5

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73	Evolution of suprathermal seed particle and solar energetic particle abundances. AIP Conference Proceedings, 2012, , .	0.3	5
74	Leading edge and peak flux density exciter speeds for well connected type-III bursts. Advances in Space Research, 2006, 38, 1001-1006.	1.2	4
75	Plasma and energetic particle observations in Jupiter's deep tail near the magnetopause. Journal of Geophysical Research: Space Physics, 2014, 119, 6432-6444.	0.8	4
76	Long-Term Fluences of Solar Energetic Particles from H to Fe. Space Sciences Series of ISSI, 2007, , 323-328.	0.0	4
77	Loss of Energetic Ions Comprising the Ring Current Populations of Jupiter's Middle and Inner Magnetosphere. Journal of Geophysical Research: Space Physics, 2022, 127, .	0.8	4
78	An Interstellar Neutral Atom Detector (INAD). AIP Conference Proceedings, 2003, , .	0.3	3
79	Effectiveness of anti-coincidence in electron detectors: Implications for beam-like electron events. Advances in Space Research, 2006, 38, 990-994.	1.2	3
80	Searching for low-altitude magnetic field anomalies by using observations of the energetic particle loss cone on JUNO. Geophysical Research Letters, 2017, 44, 4472-4480.	1.5	3
81	High-Energy (>10 MeV) Oxygen and Sulfur Ions Observed at Jupiter From Pulse Width Measurements of the JEDI Sensors. Geophysical Research Letters, 2019, 46, 10959-10966.	1.5	2
82	Energetic Neutral Atoms From Jupiter's Polar Regions. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA028697.	0.8	2
83	Joint Ulysses and ACE Observations of a Magnetic Cloud and the Associated Solar Energetic Particle Event. , 2001, , 277-280.		2
84	Preliminary Results from SEP and ESP Studies. AIP Conference Proceedings, 2008, , .	0.3	1
85	Observations of the longitudinal spread of solar energetic particle events in solar cycle 24. AIP Conference Proceedings, 2012, , .	0.3	1
86	The Jupiter Energetic Particle Detector Instrument (JEDI) Investigation for the Juno Mission. , 2013, , 471-528.		1
87	A survey of 40-300 keV electron events with beam-like anisotropies. AIP Conference Proceedings, 2000, , .	0.3	0
88	Miniaturized electron magnetic spectrometer. Advances in Space Research, 2003, 32, 389-394.	1.2	0
89	Science planning and commanding for Jupiter. , 2017, , .		0