

Patrick W Daly

List of Publications by Year in descending order

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42
papers

2,769
citations

331670

21
h-index

265206

42
g-index

49
all docs

49
docs citations

49
times ranked

1431
citing authors

#	ARTICLE	IF	CITATIONS
1	First multispacecraft ion measurements in and near the Earth's magnetosphere with the identical Cluster ion spectrometry (CIS) experiment. <i>Annales Geophysicae</i> , 2001, 19, 1303-1354.	1.6	1,040
2	Observation of energetic electrons within magnetic islands. <i>Nature Physics</i> , 2008, 4, 19-23.	16.7	238
3	Pitch angle distribution of suprathermal electrons behind dipolarization fronts: A statistical overview. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	136
4	First results from the RAPID imaging energetic particle spectrometer on board Cluster. <i>Annales Geophysicae</i> , 2001, 19, 1355-1366.	1.6	135
5	Energetic electron acceleration in the downstream reconnection outflow region. <i>Journal of Geophysical Research</i> , 2007, 112, n/a-n/a.	3.3	131
6	Cluster observations of earthward flowing plasmoid in the tail. <i>Geophysical Research Letters</i> , 2004, 31, .	4.0	128
7	Cluster observations of energetic electrons and electromagnetic fields within a reconnecting thin current sheet in the Earth's magnetotail. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	109
8	Timing of magnetic reconnection initiation during a global magnetospheric substorm onset. <i>Geophysical Research Letters</i> , 2002, 29, 43-1-43-4.	4.0	102
9	Multi-spacecraft observation of plasma dipolarization/injection in the inner magnetosphere. <i>Annales Geophysicae</i> , 2007, 25, 801-814.	1.6	88
10	Electron acceleration signatures in the magnetotail associated with substorms. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	64
11	Oxygen and hydrogen ion abundance in the near-Earth magnetosphere: Statistical results on the response to the geomagnetic and solar wind activity conditions. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	44
12	Rapid Pitch Angle Evolution of Suprathermal Electrons Behind Dipolarization Fronts. <i>Geophysical Research Letters</i> , 2017, 44, 10, 116.	4.0	42
13	Distribution of energetic oxygen and hydrogen in the near-Earth plasma sheet. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 3415-3431.	2.4	37
14	Origin of low proton-to-electron temperature ratio in the Earth's plasma sheet. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 9985.	2.4	37
15	A telescopic and microscopic view of a magnetospheric substorm on 31 March 2001. <i>Geophysical Research Letters</i> , 2002, 29, 9-1-9-4.	4.0	35
16	Spectral characteristics of protons in the Earth's plasmasheet: statistical results from Cluster CIS and RAPID. <i>Annales Geophysicae</i> , 2010, 28, 1483-1498.	1.6	32
17	Transport of cold ions from the polar ionosphere to the plasma sheet. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 5467-5477.	2.4	32
18	Observation of multiple sub-cavities adjacent to single separatrix. <i>Geophysical Research Letters</i> , 2013, 40, 2511-2517.	4.0	27

#	ARTICLE	IF	CITATIONS
19	Heating and acceleration of charged particles during magnetic dipolarizations. <i>Cosmic Research</i> , 2017, 55, 57-66.	0.6	27
20	On the origin of the energetic ion events measured upstream of the Earth's bow shock by STEREO, Cluster, and Geotail. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	26
21	Evidence of strong energetic ion acceleration in the near-Earth magnetotail. <i>Geophysical Research Letters</i> , 2014, 41, 3724-3730.	4.0	24
22	Multipoint observations of ions in the 30–160 keV energy range upstream of the Earth's bow shock. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	21
23	Comparing and contrasting dispersionless injections at geosynchronous orbit during a substorm event. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 3055-3072.	2.4	21
24	Contrasting dynamics of electrons and protons in the near-Earth plasma sheet during dipolarization. <i>Annales Geophysicae</i> , 2018, 36, 741-760.	1.6	21
25	Acceleration of ions to suprathermal energies by turbulence in the plasmoid-like magnetic structures. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 6541-6558.	2.4	18
26	Contribution of energetic and heavy ions to the plasma pressure: The 27 September to 3 October 2002 storm. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 9427-9439.	2.4	16
27	Energetic particle sounding of the magnetopause: A contribution by Cluster/RAPID. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	14
28	IMF dependence of energetic oxygen and hydrogen ion distributions in the near-Earth magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 5168-5180.	2.4	14
29	Electron Intensity Measurements by the Cluster/RAPID/IES Instrument in Earth's Radiation Belts and Ring Current. <i>Space Weather</i> , 2019, 17, 553-566.	3.7	13
30	Acceleration of protons and heavy ions to suprathermal energies during dipolarizations in the near-Earth magnetotail. <i>Annales Geophysicae</i> , 2019, 37, 549-559.	1.6	11
31	Field-aligned chorus wave spectral power in Earth's outer radiation belt. <i>Annales Geophysicae</i> , 2015, 33, 583-597.	1.6	10
32	The Effect of the Betatron Mechanism on the Dynamics of Superthermal Electron Fluxes within Dipolarizations in the Magnetotail. <i>Geomagnetism and Aeronomy</i> , 2018, 58, 744-752.	0.8	10
33	Spectral analysis for wide energy channels. <i>Geoscientific Instrumentation, Methods and Data Systems</i> , 2013, 2, 257-261.	1.6	9
34	Contamination in electron observations of the silicon detector on board Cluster/RAPID/IES instrument in Earth's radiation belts and ring current. <i>Space Weather</i> , 2016, 14, 449-462.	3.7	9
35	Adiabatic Invariants Calculations for Cluster Mission: A Long-Term Product for Radiation Belts Studies. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA027576.	2.4	7
36	Acceleration of plasma in current sheet during substorm dipolarizations in the Earth's magnetotail: Comparison of different mechanisms. <i>Physics of Plasmas</i> , 2019, 26, 042901.	1.9	6

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37	Cluster Observations of Energetic Electron Acceleration Within Earthward Reconnection Jet and Associated Magnetic Flux Rope. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029545.	2.4	6
38	RAPID Products at the Cluster Active Archive. Thirty Years of Astronomical Discovery With UKIRT, 2010, , 145-158.	0.3	6
39	Energetic Charged Particles in the Terrestrial Magnetosphere: Cluster/RAPID Results. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029273.	2.4	3
40	Suprathermal Fe in the Earth's Plasma Environment: Cluster RAPID Observations. Journal of Geophysical Research: Space Physics, 2020, 125, e2019JA027596.	2.4	2
41	Processes in the Current Disruption Region: From Turbulence to Dispersion Relation. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028404.	2.4	2
42	Heavy Metal and Rock in Space: Cluster RAPID Observations of Fe and Si. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028852.	2.4	2