

Jolene Pickett

List of Publications by Year in descending order

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90
papers

4,392
citations

87888

38
h-index

110387

64
g-index

92
all docs

92
docs citations

92
times ranked

1635
citing authors

#	ARTICLE	IF	CITATIONS
1	Spatio-temporal structure of storm-time chorus. Journal of Geophysical Research, 2003, 108, .	3.3	363
2	POLAR observations of coherent electric field structures. Geophysical Research Letters, 1998, 25, 1277-1280.	4.0	351
3	Cluster observations of EMIC triggered emissions in association with Pc1 waves near Earth's plasmapause. Geophysical Research Letters, 2010, 37, .	4.0	137
4	A microscopic and nanoscopic view of storm-time chorus on 31 March 2001. Geophysical Research Letters, 2004, 31, .	4.0	136
5	Spatiotemporal variability and propagation of equatorial noise observed by Cluster. Journal of Geophysical Research, 2002, 107, SMP 43-1-SMP 43-8.	3.3	133
6	Oblique propagation of whistler mode waves in the chorus source region. Journal of Geophysical Research, 2009, 114, .	3.3	129
7	Isolated electrostatic structures observed throughout the Cluster orbit: relationship to magnetic field strength. Annales Geophysicae, 2004, 22, 2515-2523.	1.6	117
8	Theory and observation of electromagnetic ion cyclotron triggered emissions in the magnetosphere. Journal of Geophysical Research, 2010, 115, .	3.3	108
9	Propagation of whistler mode chorus to low altitudes: Spacecraft observations of structured ELF hiss. Journal of Geophysical Research, 2006, 111, .	3.3	106
10	Plasma waves in the dayside polar cap boundary layer: Bipolar and monopolar electric pulses and whistler mode waves. Geophysical Research Letters, 1998, 25, 4117-4120.	4.0	99
11	On the perpendicular scale of electron phase-space holes. Geophysical Research Letters, 2000, 27, 169-172.	4.0	95
12	Survey of Poynting flux of whistler mode chorus in the outer zone. Journal of Geophysical Research, 2010, 115, .	3.3	94
13	Solitary potential structures observed in the magnetosheath by the Cluster spacecraft. Nonlinear Processes in Geophysics, 2003, 10, 3-11.	1.3	88
14	Structure of the separatrix region close to a magnetic reconnection X-line: Cluster observations. Geophysical Research Letters, 2006, 33, .	4.0	88
15	Solitary waves observed in the auroral zone: the Cluster multi-spacecraft perspective. Nonlinear Processes in Geophysics, 2004, 11, 183-196.	1.3	87
16	Cluster observations of multiple dipolarization fronts. Journal of Geophysical Research, 2011, 116, .	3.3	82
17	Magnetic component of narrowband ion cyclotron waves in the auroral zone. Journal of Geophysical Research, 2002, 107, SMP 17-1-SMP 17-14.	3.3	80
18	Extremely intense ELF magnetosonic waves: A survey of polar observations. Journal of Geophysical Research: Space Physics, 2014, 119, 964-977.	2.4	77

#	ARTICLE	IF	CITATIONS
19	On the generation of solitary waves observed by Cluster in the near-Earth magnetosheath. <i>Nonlinear Processes in Geophysics</i> , 2005, 12, 181-193.	1.3	68
20	Propagation analysis of plasmaspheric hiss using Polar PWI measurements. <i>Geophysical Research Letters</i> , 2001, 28, 1127-1130.	4.0	66
21	Plasmaspheric hiss properties: Observations from Polar. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 414-431.	2.4	66
22	Properties of small-amplitude electron phase-space holes observed by Polar. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	61
23	First results from the Cluster wideband plasma wave investigation. <i>Annales Geophysicae</i> , 2001, 19, 1259-1272.	1.6	60
24	A mechanism for electrostatic solitary structures in the Earth's magnetosheath. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	58
25	Source regions of banded chorus. <i>Geophysical Research Letters</i> , 2009, 36, .	4.0	55
26	Cusp energetic ions: A bow shock source. <i>Geophysical Research Letters</i> , 1998, 25, 3729-3732.	4.0	53
27	Cluster multispacecraft determination of AKR angular beaming. <i>Geophysical Research Letters</i> , 2008, 35, .	4.0	51
28	Pitch angle transport of electrons due to cyclotron interactions with the coherent chorus subelements. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	51
29	Wave-particle interactions in the equatorial source region of whistler-mode emissions. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	51
30	Observations of the relationship between frequency sweep rates of chorus wave packets and plasma density. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	48
31	Characteristics of magnetospherically reflected chorus waves observed by CLUSTER. <i>Annales Geophysicae</i> , 2004, 22, 2597-2606.	1.6	48
32	VLF chorus emissions observed by Polar during the January 10, 1997, magnetic cloud. <i>Geophysical Research Letters</i> , 1998, 25, 2995-2998.	4.0	47
33	On the width-amplitude inequality of electron phase space holes. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	46
34	Statistics of multispacecraft observations of chorus dispersion and source location. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	46
35	Quasi-coherent chorus properties: 1. Implications for wave-particle interactions. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	42
36	Solitary structures associated with short large-amplitude magnetic structures (SLAMS) upstream of the Earth's quasi-parallel bow shock. <i>Geophysical Research Letters</i> , 2004, 31, .	4.0	41

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37	The January 10, 1997 auroral hot spot, horseshoe aurora and first substorm: A CME loop?. Geophysical Research Letters, 1998, 25, 3047-3050.	4.0	39
38	Generation of whistler mode emissions in the inner magnetosphere: An event study. Journal of Geophysical Research, 2010, 115, .	3.3	39
39	Conjugate observations of quasi-periodic emissions by Cluster and DEMETER spacecraft. Journal of Geophysical Research: Space Physics, 2013, 118, 198-208.	2.4	38
40	Dynamics and waves near multiple magnetic null points in reconnection diffusion region. Journal of Geophysical Research, 2009, 114, .	3.3	37
41	EMIC triggered chorus emissions in Cluster data. Journal of Geophysical Research: Space Physics, 2013, 118, 1159-1169.	2.4	36
42	Azimuthal directions of equatorial noise propagation determined using 10 years of data from the Cluster spacecraft. Journal of Geophysical Research: Space Physics, 2013, 118, 7160-7169.	2.4	36
43	Chorus source properties that produce time shifts and frequency range differences observed on different Cluster spacecraft. Journal of Geophysical Research, 2007, 112, n/a-n/a.	3.3	35
44	Generation of electrostatic solitary waves in the plasma sheet boundary layer. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	35
45	Quasiperiodic emissions observed by the Cluster spacecraft and their association with ULF magnetic pulsations. Journal of Geophysical Research: Space Physics, 2013, 118, 4210-4220.	2.4	35
46	Multispacecraft observations of chorus emissions as a tool for the plasma density fluctuations' remote sensing. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	34
47	Electrostatic solitary waves observed at Saturn by Cassini inside $10 R_S$ and near Enceladus. Journal of Geophysical Research: Space Physics, 2015, 120, 6569-6580.	2.4	34
48	Cluster measurements of rapidly moving sources of ELF/VLF chorus. Journal of Geophysical Research, 2004, 109, .	3.3	31
49	Parametric analysis of positive amplitude electron acoustic solitary waves in a magnetized plasma and its application to boundary layers. Journal of Geophysical Research, 2008, 113, .	3.3	31
50	Cluster observations of whistler mode ducts and banded chorus. Geophysical Research Letters, 2011, 38, n/a-n/a.	4.0	30
51	Formation of VLF chorus frequency spectrum: Cluster data and comparison with the backward wave oscillator model. Geophysical Research Letters, 2007, 34, .	4.0	29
52	Electromagnetic ion cyclotron waves in the helium branch induced by multiple electromagnetic ion cyclotron triggered emissions. Geophysical Research Letters, 2011, 38, n/a-n/a.	4.0	29
53	Equatorial noise emissions with quasiperiodic modulation of wave intensity. Journal of Geophysical Research: Space Physics, 2015, 120, 2649-2661.	2.4	29
54	Dayside ELF electromagnetic wave survey: A Polar statistical study of chorus and hiss. Journal of Geophysical Research, 2012, 117, .	3.3	28

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55	Lower- and Monochromatic Chorus Riser Subelement/Wave Packet Observations. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA028090.	2.4	28
56	Multispacecraft Cluster observations of quasiperiodic emissions close to the geomagnetic equator. Journal of Geophysical Research: Space Physics, 2014, 119, 9101-9112.	2.4	27
57	Statistical study of auroral kilometric radiation fine structure striations observed by Polar. Journal of Geophysical Research, 2000, 105, 18857-18866.	3.3	24
58	Locations of auroral kilometric radiation bursts inferred from multispacecraft wideband Cluster VLB observations. 1: Description of technique and initial results. Journal of Geophysical Research, 2003, 108, .	3.3	22
59	Locations of chorus emissions observed by the Polar Plasma Wave Instrument. Journal of Geophysical Research, 2010, 115, .	3.3	21
60	Electrostatic electron cyclotron waves generated by low-energy electron beams. Journal of Geophysical Research, 2002, 107, SMP 8-1.	3.3	20
61	CLUSTER observations of lower hybrid waves excited at high altitudes by electromagnetic whistler mode signals from the HAARP facility. Geophysical Research Letters, 2004, 31, n/a-n/a.	4.0	20
62	Electrostatic solitary waves in current layers: from Cluster observations during a super-substorm to beam experiments at the LAPD. Nonlinear Processes in Geophysics, 2009, 16, 431-442.	1.3	20
63	Plasmaspheric Hiss: Coherent and Intense. Journal of Geophysical Research: Space Physics, 2018, 123, 10,009.	2.4	20
64	Conjugate observations of quasiperiodic emissions by the Cluster, Van Allen Probes, and THEMIS spacecraft. Journal of Geophysical Research: Space Physics, 2016, 121, 7647-7663.	2.4	19
65	The dependence of Langmuir wave amplitudes on position in Earth's foreshock. Geophysical Research Letters, 2004, 31, n/a-n/a.	4.0	18
66	Multipoint observations of plasma phenomena made in space by Cluster. Journal of Plasma Physics, 2015, 81, .	2.1	18
67	Multispacecraft observations of chorus dispersion and source location. Journal of Geophysical Research, 2007, 112, n/a-n/a.	3.3	17
68	Two sources of dayside intense, quasi-coherent plasmaspheric hiss: A new mechanism for the slot region?. Journal of Geophysical Research: Space Physics, 2017, 122, 1643-1657.	2.4	16
69	Oblique lower band chorus waves: Time shifts between discrete elements observed by the Cluster spacecraft. Journal of Geophysical Research, 2009, 114, .	3.3	15
70	Near-source and remote observations of kilometric continuum radiation from multispacecraft observations. Journal of Geophysical Research, 2003, 108, .	3.3	14
71	Characteristics of Langmuir electric field waveforms and power spectra exhibiting nonlinear behavior in Earth's foreshock. Journal of Geophysical Research, 2010, 115, .	3.3	14
72	Whistlers observed by the Cluster spacecraft outside the plasmasphere. Journal of Geophysical Research, 2005, 110, .	3.3	13

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73	Rapidly moving sources of upper band ELF/VLF chorus near the magnetic equator. Journal of Geophysical Research, 2006, 111, .	3.3	13
74	Introduction to the special section on Chorus: Chorus and its role in space weather. Journal of Geophysical Research, 2010, 115, .	3.3	12
75	Low Frequency ($f < 200$ Hz) Polar Plasmaspheric Hiss: Coherent and Intense. Journal of Geophysical Research: Space Physics, 2019, 124, 10063-10084.	2.4	11
76	A Review of Electrostatic Solitary Wave Research From the Cluster Mission. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029548.	2.4	11
77	Variations in the chorus source location deduced from fluctuations of the ambient magnetic field: Comparison of Cluster data and the backward wave oscillator model. Journal of Geophysical Research, 2008, 113, .	3.3	10
78	ELF/VLF plasma waves in the low latitude boundary layer. Geophysical Monograph Series, 2003, , 189-203.	0.1	8
79	Magnetospheric line radiation event observed simultaneously on board Cluster 1, Cluster 2 and DEMETER spacecraft. Geophysical Research Letters, 2012, 39, .	4.0	8
80	Spatial dependence of banded chorus intensity near the magnetic equator. Geophysical Research Letters, 2012, 39, .	4.0	8
81	Drifting field-aligned density structures in the night-side polar cap. Geophysical Research Letters, 2005, 32, .	4.0	5
82	Pulsations of auroral kilometric radiation at Pc1 frequencies. Geophysical Research Letters, 2008, 35, .	4.0	4
83	Cluster multispacecraft measurement of spatial scales of foreshock Langmuir waves. Journal of Geophysical Research, 2009, 114, .	3.3	4
84	Vlasov simulation of electrostatic solitary structures in multi-component plasmas. Journal of Geophysical Research, 2012, 117, .	3.3	4
85	Fine Harmonic Structure of Equatorial Noise with a Quasiperiodic Modulation. Journal of Geophysical Research: Space Physics, 2020, 125, e2019JA027509.	2.4	4
86	South Pole Station Ground-Based and Cluster Satellite Measurements of Leaked and Escaping Auroral Kilometric Radiation. Journal of Geophysical Research: Space Physics, 2022, 127, .	2.4	4
87	Multi-Point Observation of Hiss Emerging From Lightning Whistlers. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029524.	2.4	3
88	A Review of Cluster Wideband Data Multi-Spacecraft Observations of Auroral Kilometric Radiation. Journal of Geophysical Research: Space Physics, 2022, 127, e2021JA029499.	2.4	3
89	On The Propagation And Modulation Of Electrostatic Solitary Waves Observed Near The Magnetopause On Cluster. AIP Conference Proceedings, 2011, , .	0.4	1
90	Soliton model for broadband electrostatic noise. , 2011, , .		0