

# Vania Jordanova

## List of Publications by Year in Descending Order

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

149  
papers

6,428  
citations

44  
h-index

76  
g-index

172  
ext. papers

7,062  
ext. citations

3.1  
avg. IF

5.42  
L-index

#	Paper	IF	Citations
149	Predicting Solar Energetic Particles Using SDO/HMI Vector Magnetic Data Products and a Bidirectional LSTM Network. <i>Astrophysical Journal, Supplement Series</i> , <b>2022</b> , 260, 16	8	0
148	On the Ion Precipitation due to Field Line Curvature (FLC) and EMIC Wave Scattering and Their Subsequent Impact on Ionospheric Electrodynamics. <i>Journal of Geophysical Research: Space Physics</i> , <b>2021</b> , 126, e2020JA028812	2.6	3
147	Contribution of Electron Pressure to Ring Current and Ground Magnetic Depression Using RAM-SCB Simulations and Arase Observations During 7 <sup>B</sup> November 2017 Magnetic Storm. <i>Journal of Geophysical Research: Space Physics</i> , <b>2021</b> , 126, e2021JA029109	2.6	2
146	Study of Spatiotemporal Development of Global Distribution of Magnetospheric ELF/VLF Waves Using Ground-Based and Satellite Observations, and RAM-SCB Simulations, for the March and November 2017 Storms. <i>Journal of Geophysical Research: Space Physics</i> , <b>2021</b> , 126, e2020JA028216	2.6	1
145	Simulating the Ion Precipitation From the Inner Magnetosphere by H-Band and He-Band Electro Magnetic Ion Cyclotron Waves. <i>Journal of Geophysical Research: Space Physics</i> , <b>2021</b> , 126, e2020JA028553 <sup>2,6</sup>	2.6	4
144	Simulating the effects of warm O <sup>+</sup> ions on the growth of electromagnetic ion cyclotron (EMIC) waves. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , <b>2021</b> , 224, 105737	2	1
143	Introduction and historical background <b>2020</b> , 1-13		1
142	Ring current decay <b>2020</b> , 181-223		3
141	Space weather effects and prediction <b>2020</b> , 245-269		1
140	Global Simulation of Electron Cyclotron Harmonic Wave Instability in a Storm-Time Magnetosphere. <i>Geophysical Research Letters</i> , <b>2020</b> , 47, e2019GL086368	4.9	4
139	The Effects of Field Line Curvature (FLC) Scattering on Ring Current Dynamics and Isotropic Boundary. <i>Journal of Geophysical Research: Space Physics</i> , <b>2020</b> , 125, e2020JA027830	2.6	7
138	Improved Simulations of The Inner Magnetosphere During High Geomagnetic Activity With the RAM-SCB Model. <i>Journal of Geophysical Research: Space Physics</i> , <b>2019</b> , 124, 4233-4248	2.6	5
137	Recent Advancements and Remaining Challenges Associated With Inner Magnetosphere Cross-Energy/Population Interactions (IMCEPI). <i>Journal of Geophysical Research: Space Physics</i> , <b>2019</b> , 124, 886-897	2.6	6
136	Initial Results From the GEM Challenge on the Spacecraft Surface Charging Environment. <i>Space Weather</i> , <b>2019</b> , 17, 299-312	3.7	10
135	The Effects of Localized Thermal Pressure on Equilibrium Magnetic Fields and Particle Drifts in The Inner Magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , <b>2019</b> , 124, 5129-5142	2.6	4
134	Comparison of Electron Loss Models in the Inner Magnetosphere During the 2013 <sup>B</sup> St. Patrick's Day Geomagnetic Storm. <i>Journal of Geophysical Research: Space Physics</i> , <b>2019</b> , 124, 7872-7888	2.6	2
133	Integration of RAM-SCB into the Space Weather Modeling Framework. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , <b>2018</b> , 177, 160-168	2	8

132	Comparing simulated and observed EMIC wave amplitudes using in situ Van Allen Probes measurements. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , <b>2018</b> , 177, 190-201	2	9
131	Data-optimized source modeling with the Backwards Liouville Test kinetic method. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , <b>2018</b> , 177, 125-130	2	2
130	Self-Consistent Modeling of Electron Precipitation and Responses in the Ionosphere: Application to Low-Altitude Energization During Substorms. <i>Geophysical Research Letters</i> , <b>2018</b> , 45, 6371-6381	4.9	12
129	Particle tracing modeling of ion fluxes at geosynchronous orbit. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , <b>2018</b> , 177, 131-140	2	3
128	Specification of the near-Earth space environment with SHIELDS. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , <b>2018</b> , 177, 148-159	2	22
127	PIC simulations of wave-particle interactions with an initial electron velocity distribution from a kinetic ring current model. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , <b>2018</b> , 177, 169-178	2	2
126	Model Evaluation Guidelines for Geomagnetic Index Predictions. <i>Space Weather</i> , <b>2018</b> , 16, 2079-2102	3.7	38
125	Simulations of Van Allen Probes Plasmaspheric Electron Density Observations. <i>Journal of Geophysical Research: Space Physics</i> , <b>2018</b> , 123, 9453-9475	2.6	6
124	Van Allen Probes observations of structured whistler mode activity and coincident electron Landau acceleration inside a remnant plasmaspheric plume. <i>Journal of Geophysical Research: Space Physics</i> , <b>2017</b> , 122, 3073-3086	2.6	13
123	Effects of electric field methods on modeling the midlatitude ionospheric electrodynamics and inner magnetosphere dynamics. <i>Journal of Geophysical Research: Space Physics</i> , <b>2017</b> , 122, 5321-5338	2.6	21
122	The Evolution of the Plasma Sheet Ion Composition: Storms and Recoveries. <i>Journal of Geophysical Research: Space Physics</i> , <b>2017</b> , 122, 12,040-12,054	2.6	10
121	Global Three-Dimensional Simulation of Earth's Dayside Reconnection Using a Two-Way Coupled Magnetohydrodynamics With Embedded Particle-in-Cell Model: Initial Results. <i>Journal of Geophysical Research: Space Physics</i> , <b>2017</b> , 122, 10,318	2.6	50
120	The latitudinal variation of geoelectromagnetic disturbances during large ( $Dst \leq -100$ nT) geomagnetic storms. <i>Space Weather</i> , <b>2016</b> , 14, 668-681	3.7	14
119	An improved empirical model of electron and ion fluxes at geosynchronous orbit based on upstream solar wind conditions. <i>Space Weather</i> , <b>2016</b> , 14, 511-523	3.7	34
118	Ring current pressure estimation with RAM-SCB using data assimilation and Van Allen Probe flux data. <i>Geophysical Research Letters</i> , <b>2016</b> , 43, 11,948	4.9	9
117	A new ionospheric electron precipitation module coupled with RAM-SCB within the geospace general circulation model. <i>Journal of Geophysical Research: Space Physics</i> , <b>2016</b> , 121, 8554-8575	2.6	29
116	Predicting electromagnetic ion cyclotron wave amplitude from unstable ring current plasma conditions. <i>Journal of Geophysical Research: Space Physics</i> , <b>2016</b> , 121, 10,954-10,965	2.6	11
115	Measurement and modeling of the refilling plasmasphere during 2001. <i>Journal of Geophysical Research: Space Physics</i> , <b>2016</b> , 121, 2226-2248	2.6	12

114	Modeling the Energetic Particles of the Inner Magnetosphere <b>2016</b> , 102-147		3
113	Fast modulations of pulsating proton aurora related to subpacket structures of Pc1 geomagnetic pulsations at subauroral latitudes. <i>Geophysical Research Letters</i> , <b>2016</b> , 43, 7859-7866	4.9	11
112	A statistical study of EMIC waves observed by Cluster: 2. Associated plasma conditions. <i>Journal of Geophysical Research: Space Physics</i> , <b>2016</b> , 121, 6458-6479	2.6	35
111	RAM-SCB simulations of electron transport and plasma wave scattering during the October 2012 "double-dip" storm. <i>Journal of Geophysical Research: Space Physics</i> , <b>2016</b> , 121, 8712-8727	2.6	30
110	Global Modeling of Wave Generation Processes in the Inner Magnetosphere. <i>Geophysical Monograph Series</i> , <b>2016</b> , 155-166	1.1	
109	The occurrence and wave properties of H <sup>+</sup> , He <sup>+</sup> , and O <sup>+</sup> -band EMIC waves observed by the Van Allen Probes. <i>Journal of Geophysical Research: Space Physics</i> , <b>2015</b> , 120, 7477-7492	2.6	133
108	An empirical model of electron and ion fluxes derived from observations at geosynchronous orbit. <i>Space Weather</i> , <b>2015</b> , 13, 233-249	3.7	31
107	The two-way relationship between ionospheric outflow and the ring current. <i>Journal of Geophysical Research: Space Physics</i> , <b>2015</b> , 120, 4338-4353	2.6	29
106	A statistical study of EMIC waves observed by Cluster: 1. Wave properties. <i>Journal of Geophysical Research: Space Physics</i> , <b>2015</b> , 120, 5574-5592	2.6	102
105	Resonance of relativistic electrons with electromagnetic ion cyclotron waves. <i>Geophysical Research Letters</i> , <b>2015</b> , 42, 8263-8270	4.9	12
104	A direct link between chorus emissions and pulsating aurora on timescales from milliseconds to minutes: A case study at subauroral latitudes. <i>Journal of Geophysical Research: Space Physics</i> , <b>2015</b> , 120, 9617-9631	2.6	10
103	Bounce- and MLT-averaged diffusion coefficients in a physics-based magnetic field geometry obtained from RAM-SCB for the 17 March 2013 storm. <i>Journal of Geophysical Research: Space Physics</i> , <b>2015</b> , 120, 2616-2630	2.6	3
102	Modeling subauroral polarization streams during the 17 March 2013 storm. <i>Journal of Geophysical Research: Space Physics</i> , <b>2015</b> , 120, 1738-1750	2.6	36
101	The role of ring current particle injections: Global simulations and Van Allen Probes observations during 17 March 2013 storm. <i>Geophysical Research Letters</i> , <b>2014</b> , 41, 1126-1132	4.9	28
100	Simulations of inner magnetosphere dynamics with an expanded RAM-SCB model and comparisons with Van Allen Probes observations. <i>Geophysical Research Letters</i> , <b>2014</b> , 41, 2687-2694	4.9	30
99	Effect of spatial density variation and O <sup>+</sup> concentration on the growth and evolution of electromagnetic ion cyclotron waves. <i>Journal of Geophysical Research: Space Physics</i> , <b>2014</b> , 119, 8372-8395	2.6	45
98	Excitation of EMIC waves detected by the Van Allen Probes on 28 April 2013. <i>Geophysical Research Letters</i> , <b>2014</b> , 41, 4101-4108	4.9	50
97	Electromagnetic ion cyclotron wave modeling during the geospace environment modeling challenge event. <i>Journal of Geophysical Research: Space Physics</i> , <b>2014</b> , 119, 2963-2977	2.6	29

96	Application and testing of the L* neural network with the self-consistent magnetic field model of RAM-SCB. <i>Journal of Geophysical Research: Space Physics</i> , <b>2014</b> , 119, 1683-1692	2.6	7
95	Radiation belt data assimilation of a moderate storm event using a magnetic field configuration from the physics-based RAM-SCB model. <i>Annales Geophysicae</i> , <b>2014</b> , 32, 473-483	2	2
94	The Electric and Magnetic Field Instrument Suite and Integrated Science (EMFISIS) on RBSP. <i>Space Science Reviews</i> , <b>2013</b> , 179, 127-181	7.5	760
93	Science Goals and Overview of the Radiation Belt Storm Probes (RBSP) Energetic Particle, Composition, and Thermal Plasma (ECT) Suite on NASA's Van Allen Probes Mission. <i>Space Science Reviews</i> , <b>2013</b> , 179, 311-336	7.5	383
92	The Role of the Earth's Ring Current in Radiation Belt Dynamics. <i>Geophysical Monograph Series</i> , <b>2013</b> , 303-314	1.1	6
91	Features of the interaction of interplanetary coronal mass ejections/magnetic clouds with the Earth's magnetosphere. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , <b>2013</b> , 99, 14-26	2	8
90	Statistical properties of the surface-charging environment at geosynchronous orbit. <i>Space Weather</i> , <b>2013</b> , 11, 237-244	3.7	48
89	Geospace environment modeling 2008-2009 challenge: Dst index. <i>Space Weather</i> , <b>2013</b> , 11, 187-205	3.7	56
88	Estimating the effects of ionospheric plasma on solar wind/magnetosphere coupling via mass loading of dayside reconnection: Ion-plasma-sheet oxygen, plasmaspheric drainage plumes, and the plasma cloak. <i>Journal of Geophysical Research: Space Physics</i> , <b>2013</b> , 118, 5695-5719	2.6	50
87	Science Goals and Overview of the Radiation Belt Storm Probes (RBSP) Energetic Particle, Composition, and Thermal Plasma (ECT) Suite on NASA's Van Allen Probes Mission <b>2013</b> , 311-336		7
86	L* neural networks from different magnetic field models and their applicability. <i>Space Weather</i> , <b>2012</b> , 10, n/a-n/a	3.7	31
85	Validation study of the magnetically self-consistent inner magnetosphere model RAM-SCB. <i>Journal of Geophysical Research</i> , <b>2012</b> , 117, n/a-n/a		18
84	Modeling ring current ion and electron dynamics and plasma instabilities during a high-speed stream driven storm. <i>Journal of Geophysical Research</i> , <b>2012</b> , 117, n/a-n/a		65
83	Dynamic Radiation Environment Assimilation Model: DREAM. <i>Space Weather</i> , <b>2012</b> , 10, n/a-n/a	3.7	58
82	Visualization of ion cyclotron wave and particle interactions in the inner magnetosphere via THEMIS-ASI observations. <i>Journal of Geophysical Research</i> , <b>2012</b> , 117, n/a-n/a		16
81	The effects of dynamic ionospheric outflow on the ring current. <i>Journal of Geophysical Research</i> , <b>2011</b> , 116, n/a-n/a		50
80	Transport and loss of the inner plasma sheet electrons: THEMIS observations. <i>Journal of Geophysical Research</i> , <b>2011</b> , 116,		15
79	Magnetosonic wave instability analysis for proton ring distributions observed by the LANL magnetospheric plasma analyzer. <i>Journal of Geophysical Research</i> , <b>2011</b> , 116,		51

78	Free energy to drive equatorial magnetosonic wave instability at geosynchronous orbit. <i>Journal of Geophysical Research</i> , <b>2011</b> , 116, n/a-n/a		32
77	Self-Consistent Simulations of Plasma Waves and Their Effects on Energetic Particles <b>2011</b> , 189-199		2
76	Ion heating by fast magnetosonic waves and ring current-electron radiation belt coupling <b>2011</b> ,		2
75	Excitation of whistler mode chorus from global ring current simulations. <i>Journal of Geophysical Research</i> , <b>2010</b> , 115, n/a-n/a		62
74	Global simulation of EMIC wave excitation during the 21 April 2001 storm from coupled RCM-RAM-HOTRAY modeling. <i>Journal of Geophysical Research</i> , <b>2010</b> , 115,		91
73	Characteristics of storm time electric fields in the inner magnetosphere derived from Cluster data. <i>Journal of Geophysical Research</i> , <b>2010</b> , 115, n/a-n/a		5
72	Comparative study of ring current development using empirical, dipolar, and self-consistent magnetic field simulations. <i>Journal of Geophysical Research</i> , <b>2010</b> , 115, n/a-n/a		80
71	Global simulation of magnetosonic wave instability in the storm time magnetosphere. <i>Journal of Geophysical Research</i> , <b>2010</b> , 115, n/a-n/a		134
70	Self-consistent inner magnetosphere simulation driven by a global MHD model. <i>Journal of Geophysical Research</i> , <b>2010</b> , 115, n/a-n/a		36
69	Recent Progress in Physics-Based Models of the Plasmasphere. <i>Space Science Reviews</i> , <b>2009</b> , 145, 193-229.5		44
68	Ring current development during high speed streams. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , <b>2009</b> , 71, 1093-1102	2	28
67	Three-dimensional ray tracing of VLF waves in a magnetospheric environment containing a plasmaspheric plume. <i>Geophysical Research Letters</i> , <b>2009</b> , 36,	4-9	65
66	Recent Progress in Physics-Based Models of the Plasmasphere <b>2009</b> , 193-229		12
65	Modeling the effects of local time variation of plasma sheet properties on proton ring current energy and peak location. <i>Journal of Geophysical Research</i> , <b>2008</b> , 113, n/a-n/a		3
64	Precipitation of radiation belt electrons by EMIC waves, observed from ground and space. <i>Geophysical Research Letters</i> , <b>2008</b> , 35,	4-9	204
63	Relativistic electron precipitation by EMIC waves from self-consistent global simulations. <i>Journal of Geophysical Research</i> , <b>2008</b> , 113, n/a-n/a		196
62	Derivation of inner magnetospheric electric field (UNH-IMEF) model using Cluster data set. <i>Annales Geophysicae</i> , <b>2008</b> , 26, 2887-2898	2	20
61	Tenuous solar winds: Insights on solar wind-magnetosphere interactions. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , <b>2008</b> , 70, 371-376	2	1

60	An effort to derive an empirically based, inner-magnetospheric electric field model: Merging Cluster EDI and EFW data. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , <b>2008</b> , 70, 564-573	2	14
59	Self-consistent geomagnetic storm simulation: The role of the induced electric fields. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , <b>2008</b> , 70, 511-518	2	19
58	Modeling the electromagnetic ion cyclotron wave-induced formation of detached subauroral proton arcs. <i>Journal of Geophysical Research</i> , <b>2007</b> , 112, n/a-n/a		84
57	Recent observations and simulations of the Sun-Earth system, Grand Hotel Varna, Bulgaria, 17-22 September 2006. <i>Eos</i> , <b>2007</b> , 88, 62-62	1.5	
56	Calculation of bounce-averaged velocities and hydrogen densities for a storm-time magnetic field. <i>Geophysical Research Letters</i> , <b>2007</b> , 34,	4-9	4
55	The magnetosphere under weak solar wind forcing. <i>Annales Geophysicae</i> , <b>2007</b> , 25, 191-205	2	8
54	Modeling geomagnetic storm dynamics: New results and challenges. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , <b>2007</b> , 69, 56-66	2	6
53	Modeling the effects of cold-dense and hot-tenuous plasma sheet on proton ring current energy and peak location. <i>Geophysical Research Letters</i> , <b>2007</b> , 34,	4-9	25
52	Survey of intense Sun-Earth connection events (1995-2003). <i>Advances in Space Research</i> , <b>2006</b> , 38, 498-502.	4	20
51	The outer radiation belt injection, transport, acceleration and loss satellite (ORBITALS): A canadian small satellite mission for ILWS. <i>Advances in Space Research</i> , <b>2006</b> , 38, 1838-1860	2-4	13
50	Interaction of Emic Waves With Thermal Plasma and Radiation Belt Particles. <i>Geophysical Monograph Series</i> , <b>2006</b> , 213-223	1.1	53
49	Observations and modeling of energetic electron dynamics during the October 2001 storm. <i>Journal of Geophysical Research</i> , <b>2006</b> , 111,		83
48	Space weather drivers in the ACE era. <i>Space Weather</i> , <b>2006</b> , 4, n/a-n/a	3-7	4
47	Self-consistent modeling of magnetic fields and plasmas in the inner magnetosphere: Application to a geomagnetic storm. <i>Journal of Geophysical Research</i> , <b>2006</b> , 111,		107
46	Kinetic simulations of ring current evolution during the Geospace Environment Modeling challenge events. <i>Journal of Geophysical Research</i> , <b>2006</b> , 111,		124
45	A two-ejecta event associated with a two-step geomagnetic storm. <i>Journal of Geophysical Research</i> , <b>2006</b> , 111,		64
44	Modeling the Behavior of Corotating Interaction Region Driven Storms in Comparison with Coronal Mass Ejection Driven Storms. <i>Geophysical Monograph Series</i> , <b>2006</b> , 77-84	1.1	9
43	Effect of storm-time plasma pressure on the magnetic field in the inner magnetosphere. <i>Geophysical Research Letters</i> , <b>2005</b> , 32,	4-9	27

42	Interplanetary coronal mass ejection and ambient interplanetary magnetic field correlations during the Sun-Earth connection events of October–November 2003. <i>Journal of Geophysical Research</i> , <b>2005</b> , 110,		16
41	Relativistic model of ring current and radiation belt ions and electrons: Initial results. <i>Geophysical Research Letters</i> , <b>2005</b> , 32, n/a-n/a	4.9	74
40	Storm-time plasma signatures observed by IMAGE/MENA and comparison with a global physics-based model. <i>Geophysical Research Letters</i> , <b>2005</b> , 32,	4.9	17
39	Diminished contribution of ram pressure to Dst during magnetic storms. <i>Journal of Geophysical Research</i> , <b>2005</b> , 110,		28
38	Toward Understanding Radiation Belt Dynamics, Nuclear Explosion-Produced Artificial Belts, and Active Radiation Belt Remediation: Producing a Radiation Belt Data Assimilation Model. <i>Geophysical Monograph Series</i> , <b>2005</b> , 221-235	1.1	6
37	Sources, Transport, and Losses of Energetic Particles During Geomagnetic Storms. <i>Geophysical Monograph Series</i> , <b>2005</b> , 9-21	1.1	11
36	IMF $B_z$ and the seasonal dependences of the electric field in the inner magnetosphere. <i>Annales Geophysicae</i> , <b>2005</b> , 23, 2671-2678	2	5
35	Derivation of electric potential patterns in the inner magnetosphere from Cluster EDI data: Initial results. <i>Journal of Geophysical Research</i> , <b>2004</b> , 109,		19
34	Solar cycle variations of the electron radiation belts: Observations and radial diffusion simulation. <i>Space Weather</i> , <b>2004</b> , 2, n/a-n/a	3.7	47
33	New Insights on Geomagnetic Storms from Model Simulations Using Multi-Spacecraft Data. <i>Space Science Reviews</i> , <b>2003</b> , 107, 157-165	7.5	18
32	Large-scale geomagnetic effects of May 4, 1998. <i>Advances in Space Research</i> , <b>2003</b> , 31, 1111-1116	2.4	7
31	Power to the magnetosphere: May 4, 1998. <i>Advances in Space Research</i> , <b>2003</b> , 31, 1117-1122	2.4	2
30	Effects of plasma sheet variability on the fast initial ring current decay. <i>Geophysical Research Letters</i> , <b>2003</b> , 30,	4.9	35
29	Self-consistent model of magnetospheric ring current and electromagnetic ion cyclotron waves: The 27 May 1998 storm. <i>Journal of Geophysical Research</i> , <b>2003</b> , 108,		44
28	Electric field measurements in the inner magnetosphere by Cluster EDI. <i>Journal of Geophysical Research</i> , <b>2003</b> , 108,		20
27	Ring current asymmetry from global simulations using a high-resolution electric field model. <i>Journal of Geophysical Research</i> , <b>2003</b> , 108,		63
26	New Insights on Geomagnetic Storms from Model Simulations Using Multi-Spacecraft Data <b>2003</b> , 157-165		
25	Multistep Dst development and ring current composition changes during the 4B June 1991 magnetic storm. <i>Journal of Geophysical Research</i> , <b>2002</b> , 107, SMP 33-1-SMP 33-22		95



24	A self-consistent model of the interacting ring current ions and electromagnetic ion cyclotron waves, initial results: Waves and precipitating fluxes. <i>Journal of Geophysical Research</i> , <b>2002</b> , 107, SMP 14-1		35
23	Wind and ACE observations during the great flow of 17 May 1998: Relation to solar activity and implications for the magnetosphere. <i>Journal of Geophysical Research</i> , <b>2002</b> , 107, SSH 3-1		22
22	Energy content in the storm time ring current. <i>Journal of Geophysical Research</i> , <b>2001</b> , 106, 19149-19156		72
21	RING CURRENT DYNAMICS DURING THE 13-18 JULY 2000 STORM PERIOD. <i>Solar Physics</i> , <b>2001</b> , 204, 361-376		26
20	A semiempirical equatorial mapping of AMIE convection electric potentials (MACEP) for the January 10, 1997, magnetic storm. <i>Journal of Geophysical Research</i> , <b>2001</b> , 106, 12903-12917		26
19	Ground disturbances of the ring, magnetopause, and tail currents on the day the solar wind almost disappeared. <i>Journal of Geophysical Research</i> , <b>2001</b> , 106, 25529-25540		10
18	Modeling ring current proton precipitation by electromagnetic ion cyclotron waves during the May 14-16, 1997, storm. <i>Journal of Geophysical Research</i> , <b>2001</b> , 106, 7-22		228
17	Effects of inner magnetospheric convection on ring current dynamics: March 10-12, 1998. <i>Journal of Geophysical Research</i> , <b>2001</b> , 106, 29705-29720		51
16	Ring current heating of the thermal electrons at solar maximum. <i>Journal of Geophysical Research</i> , <b>2000</b> , 105, 27767-27776		23
15	Testing electric field models using ring current ion energy spectra from the Equator-S ion composition (ESIC) instrument. <i>Annales Geophysicae</i> , <b>1999</b> , 17, 1611-1621	2	35
14	Simulation of off-equatorial ring current ion spectra measured by Polar for a moderate storm at solar minimum. <i>Journal of Geophysical Research</i> , <b>1999</b> , 104, 429-436		31
13	Analysis of early phase ring current recovery mechanisms during geomagnetic storms. <i>Geophysical Research Letters</i> , <b>1999</b> , 26, 2845-2848	4.9	143
12	Ring current activity during the early Bz <i>Journal of Geophysical Research</i> , <b>1999</b> , 104, 24895-24914		39
11	October 1995 magnetic cloud and accompanying storm activity: Ring current evolution. <i>Journal of Geophysical Research</i> , <b>1998</b> , 103, 79-92		98
10	FAST/TEAMS observations of charge exchange signatures in ions mirroring at low altitudes. <i>Geophysical Research Letters</i> , <b>1998</b> , 25, 2085-2088	4.9	19
9	Effect of wave-particle interactions on ring current evolution for January 10-11, 1997: Initial results. <i>Geophysical Research Letters</i> , <b>1998</b> , 25, 2971-2974	4.9	60
8	Effects of a high-density plasma sheet on ring current development during the November 28, 1993, magnetic storm. <i>Journal of Geophysical Research</i> , <b>1998</b> , 103, 26285-26305		108
7	Plasma Sheet Preconditioning, Enhanced Convection and Ring Current Development. <i>Astrophysics and Space Science Library</i> , <b>1998</b> , 755-760	0.3	10

6	Modeling of the Contribution of Electromagnetic Ion Cyclotron (EMIC) Waves to Stormtime Ring Current Erosion. <i>Geophysical Monograph Series</i> , <b>1997</b> , 187-202	1.1	89
5	Kinetic model of the ring current-atmosphere interactions. <i>Journal of Geophysical Research</i> , <b>1997</b> , 102, 14279-14291		155
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