

Vania Jordanova

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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	The Electric and Magnetic Field Instrument Suite and Integrated Science (EMFISIS) on RBSP. <i>Space Science Reviews</i> , 2013 , 179, 127-181	7.5	760
148	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> , 2013 , 179, 311-336	7.5	383
147	Modeling ring current proton precipitation by electromagnetic ion cyclotron waves during the May 14-16, 1997, storm. <i>Journal of Geophysical Research</i> , 2001 , 106, 7-22		228
146	Precipitation of radiation belt electrons by EMIC waves, observed from ground and space. <i>Geophysical Research Letters</i> , 2008 , 35,	4.9	204
145	Collisional losses of ring current ions. <i>Journal of Geophysical Research</i> , 1996 , 101, 111-126		204
144	Relativistic electron precipitation by EMIC waves from self-consistent global simulations. <i>Journal of Geophysical Research</i> , 2008 , 113, n/a-n/a		196
143	Kinetic model of the ring current-atmosphere interactions. <i>Journal of Geophysical Research</i> , 1997 , 102, 14279-14291		155
142	Analysis of early phase ring current recovery mechanisms during geomagnetic storms. <i>Geophysical Research Letters</i> , 1999 , 26, 2845-2848	4.9	143
141	Global simulation of magnetosonic wave instability in the storm time magnetosphere. <i>Journal of Geophysical Research</i> , 2010 , 115, n/a-n/a		134
140	The occurrence and wave properties of H ⁺ , He ⁺ , and O ⁺ -band EMIC waves observed by the Van Allen Probes. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 7477-7492	2.6	133
139	Kinetic simulations of ring current evolution during the Geospace Environment Modeling challenge events. <i>Journal of Geophysical Research</i> , 2006 , 111,		124
138	Effects of a high-density plasma sheet on ring current development during the November 28, 1993, magnetic storm. <i>Journal of Geophysical Research</i> , 1998 , 103, 26285-26305		108
137	Self-consistent modeling of magnetic fields and plasmas in the inner magnetosphere: Application to a geomagnetic storm. <i>Journal of Geophysical Research</i> , 2006 , 111,		107
136	A statistical study of EMIC waves observed by Cluster: 1. Wave properties. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 5574-5592	2.6	102
135	October 1995 magnetic cloud and accompanying storm activity: Ring current evolution. <i>Journal of Geophysical Research</i> , 1998 , 103, 79-92		98
134	Multistep Dst development and ring current composition changes during the 4-8 June 1991 magnetic storm. <i>Journal of Geophysical Research</i> , 2002 , 107, SMP 33-1-SMP 33-22		95
133	Global simulation of EMIC wave excitation during the 21 April 2001 storm from coupled RCM-RAM-HOTRAY modeling. <i>Journal of Geophysical Research</i> , 2010 , 115,		91

132	Modeling of the Contribution of Electromagnetic Ion Cyclotron (EMIC) Waves to Stormtime Ring Current Erosion. <i>Geophysical Monograph Series</i> , 1997 , 187-202	1.1	89
131	Modeling the electromagnetic ion cyclotron wave-induced formation of detached subauroral proton arcs. <i>Journal of Geophysical Research</i> , 2007 , 112, n/a-n/a		84
130	Observations and modeling of energetic electron dynamics during the October 2001 storm. <i>Journal of Geophysical Research</i> , 2006 , 111,		83
129	Comparative study of ring current development using empirical, dipolar, and self-consistent magnetic field simulations. <i>Journal of Geophysical Research</i> , 2010 , 115, n/a-n/a		80
128	Relativistic model of ring current and radiation belt ions and electrons: Initial results. <i>Geophysical Research Letters</i> , 2005 , 32, n/a-n/a	4.9	74
127	Energy content in the storm time ring current. <i>Journal of Geophysical Research</i> , 2001 , 106, 19149-19156		72
126	A bounce-averaged kinetic model of the ring current ion population. <i>Geophysical Research Letters</i> , 1994 , 21, 2785-2788	4.9	72
125	Modeling ring current ion and electron dynamics and plasma instabilities during a high-speed stream driven storm. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		65
124	Three-dimensional ray tracing of VLF waves in a magnetospheric environment containing a plasmaspheric plume. <i>Geophysical Research Letters</i> , 2009 , 36,	4.9	65
123	A two-ejecta event associated with a two-step geomagnetic storm. <i>Journal of Geophysical Research</i> , 2006 , 111,		64
122	Ring current asymmetry from global simulations using a high-resolution electric field model. <i>Journal of Geophysical Research</i> , 2003 , 108,		63
121	Excitation of whistler mode chorus from global ring current simulations. <i>Journal of Geophysical Research</i> , 2010 , 115, n/a-n/a		62
120	Effect of wave-particle interactions on ring current evolution for January 10 th , 1997: Initial results. <i>Geophysical Research Letters</i> , 1998 , 25, 2971-2974	4.9	60
119	Dynamic Radiation Environment Assimilation Model: DREAM. <i>Space Weather</i> , 2012 , 10, n/a-n/a	3.7	58
118	Geospace environment modeling 2008-2009 challenge: Dst index. <i>Space Weather</i> , 2013 , 11, 187-205	3.7	56
117	Effects of heavy ions on the quasi-linear diffusion coefficients from resonant interactions with electromagnetic ion cyclotron waves. <i>Journal of Geophysical Research</i> , 1996 , 101, 19771-19778		56
116	Interaction of Emic Waves With Thermal Plasma and Radiation Belt Particles. <i>Geophysical Monograph Series</i> , 2006 , 213-223	1.1	53
115	Magnetosonic wave instability analysis for proton ring distributions observed by the LANL magnetospheric plasma analyzer. <i>Journal of Geophysical Research</i> , 2011 , 116,		51

114	Effects of inner magnetospheric convection on ring current dynamics: March 10 12 , 1998. <i>Journal of Geophysical Research</i> , 2001 , 106, 29705-29720		51
113	Excitation of EMIC waves detected by the Van Allen Probes on 28 April 2013. <i>Geophysical Research Letters</i> , 2014 , 41, 4101-4108	4.9	50
112	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> , 2017 , 122, 10,318	2.6	50
111	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> , 2013 , 118, 5695-5719	2.6	50
110	The effects of dynamic ionospheric outflow on the ring current. <i>Journal of Geophysical Research</i> , 2011 , 116, n/a-n/a		50
109	Statistical properties of the surface-charging environment at geosynchronous orbit. <i>Space Weather</i> , 2013 , 11, 237-244	3.7	48
108	Solar cycle variations of the electron radiation belts: Observations and radial diffusion simulation. <i>Space Weather</i> , 2004 , 2, n/a-n/a	3.7	47
107	Effect of spatial density variation and O ⁺ concentration on the growth and evolution of electromagnetic ion cyclotron waves. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 8372-8395 ^{2,6}	3.6	45
106	Recent Progress in Physics-Based Models of the Plasmasphere. <i>Space Science Reviews</i> , 2009 , 145, 193-229.5	2.5	44
105	Self-consistent model of magnetospheric ring current and electromagnetic ion cyclotron waves: The 27 May 1998 storm. <i>Journal of Geophysical Research</i> , 2003 , 108,		44
104	Ring current activity during the early Bz <i>Journal of Geophysical Research</i> , 1999 , 104, 24895-24914		39
103	Model Evaluation Guidelines for Geomagnetic Index Predictions. <i>Space Weather</i> , 2018 , 16, 2079-2102	3.7	38
102	Modeling subauroral polarization streams during the 17 March 2013 storm. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 1738-1750	2.6	36
101	Self-consistent inner magnetosphere simulation driven by a global MHD model. <i>Journal of Geophysical Research</i> , 2010 , 115, n/a-n/a		36
100	Effects of plasma sheet variability on the fast initial ring current decay. <i>Geophysical Research Letters</i> , 2003 , 30,	4.9	35
99	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> , 2002 , 107, SMP 14-1		35
98	Testing electric field models using ring current ion energy spectra from the Equator-S ion composition (ESIC) instrument. <i>Annales Geophysicae</i> , 1999 , 17, 1611-1621	2	35
97	A statistical study of EMIC waves observed by Cluster: 2. Associated plasma conditions. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 6458-6479	2.6	35

96	An improved empirical model of electron and ion fluxes at geosynchronous orbit based on upstream solar wind conditions. <i>Space Weather</i> , 2016 , 14, 511-523	3.7	34
95	Free energy to drive equatorial magnetosonic wave instability at geosynchronous orbit. <i>Journal of Geophysical Research</i> , 2011 , 116, n/a-n/a		32
94	An empirical model of electron and ion fluxes derived from observations at geosynchronous orbit. <i>Space Weather</i> , 2015 , 13, 233-249	3.7	31
93	L* neural networks from different magnetic field models and their applicability. <i>Space Weather</i> , 2012 , 10, n/a-n/a	3.7	31
92	Simulation of off-equatorial ring current ion spectra measured by Polar for a moderate storm at solar minimum. <i>Journal of Geophysical Research</i> , 1999 , 104, 429-436		31
91	Simulations of inner magnetosphere dynamics with an expanded RAM-SCB model and comparisons with Van Allen Probes observations. <i>Geophysical Research Letters</i> , 2014 , 41, 2687-2694	4.9	30
90	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> , 2016 , 121, 8712-8727	2.6	30
89	A new ionospheric electron precipitation module coupled with RAM-SCB within the geospace general circulation model. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 8554-8575	2.6	29
88	Electromagnetic ion cyclotron wave modeling during the geospace environment modeling challenge event. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 2963-2977	2.6	29
87	The two-way relationship between ionospheric outflow and the ring current. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 4338-4353	2.6	29
86	The role of ring current particle injections: Global simulations and Van Allen Probes observations during 17 March 2013 storm. <i>Geophysical Research Letters</i> , 2014 , 41, 1126-1132	4.9	28
85	Ring current development during high speed streams. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2009 , 71, 1093-1102	2	28
84	Diminished contribution of ram pressure to Dst during magnetic storms. <i>Journal of Geophysical Research</i> , 2005 , 110,		28
83	Effect of storm-time plasma pressure on the magnetic field in the inner magnetosphere. <i>Geophysical Research Letters</i> , 2005 , 32,	4.9	27
82	RING CURRENT DYNAMICS DURING THE 13-18 JULY 2000 STORM PERIOD. <i>Solar Physics</i> , 2001 , 204, 361-375		26
81	A semiempirical equatorial mapping of AMIE convection electric potentials (MACEP) for the January 10, 1997, magnetic storm. <i>Journal of Geophysical Research</i> , 2001 , 106, 12903-12917		26
80	Modeling the effects of cold-dense and hot-tenuous plasma sheet on proton ring current energy and peak location. <i>Geophysical Research Letters</i> , 2007 , 34,	4.9	25
79	Ring current heating of the thermal electrons at solar maximum. <i>Journal of Geophysical Research</i> , 2000 , 105, 27767-27776		23

78	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> , 2002 , 107, SSH 3-1		22
77	Specification of the near-Earth space environment with SHIELDS. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2018 , 177, 148-159	2	22
76	Effects of electric field methods on modeling the midlatitude ionospheric electrodynamics and inner magnetosphere dynamics. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 5321-5338	2.6	21
75	Derivation of inner magnetospheric electric field (UNH-IMEF) model using Cluster data set. <i>Annales Geophysicae</i> , 2008 , 26, 2887-2898	2	20
74	Survey of intense Sun-Earth connection events (1995-2003). <i>Advances in Space Research</i> , 2006 , 38, 498-502.	4	20
73	Electric field measurements in the inner magnetosphere by Cluster EDI. <i>Journal of Geophysical Research</i> , 2003 , 108,		20
72	Self-consistent geomagnetic storm simulation: The role of the induced electric fields. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2008 , 70, 511-518	2	19
71	Derivation of electric potential patterns in the inner magnetosphere from Cluster EDI data: Initial results. <i>Journal of Geophysical Research</i> , 2004 , 109,		19
70	FAST/TEAMS observations of charge exchange signatures in ions mirroring at low altitudes. <i>Geophysical Research Letters</i> , 1998 , 25, 2085-2088	4.9	19
69	Global, collisional model of high-energy photoelectrons. <i>Geophysical Research Letters</i> , 1996 , 23, 331-334.	4.9	19
68	Validation study of the magnetically self-consistent inner magnetosphere model RAM-SCB. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		18
67	New Insights on Geomagnetic Storms from Model Simulations Using Multi-Spacecraft Data. <i>Space Science Reviews</i> , 2003 , 107, 157-165	7.5	18
66	Storm-time plasma signatures observed by IMAGE/MENA and comparison with a global physics-based model. <i>Geophysical Research Letters</i> , 2005 , 32,	4.9	17
65	Visualization of ion cyclotron wave and particle interactions in the inner magnetosphere via THEMIS-ASI observations. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		16
64	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> , 2005 , 110,		16
63	Transport and loss of the inner plasma sheet electrons: THEMIS observations. <i>Journal of Geophysical Research</i> , 2011 , 116,		15
62	The latitudinal variation of geoelectromagnetic disturbances during large ($Dst \leq -100$ nT) geomagnetic storms. <i>Space Weather</i> , 2016 , 14, 668-681	3.7	14
61	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> , 2008 , 70, 564-573	2	14

60	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> , 2017 , 122, 3073-3086	2.6	13
59	The outer radiation belt injection, transport, acceleration and loss satellite (ORBITALS): A canadian small satellite mission for ILWS. <i>Advances in Space Research</i> , 2006 , 38, 1838-1860	2.4	13
58	Measurement and modeling of the refilling plasmasphere during 2001. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 2226-2248	2.6	12
57	Self-Consistent Modeling of Electron Precipitation and Responses in the Ionosphere: Application to Low-Altitude Energization During Substorms. <i>Geophysical Research Letters</i> , 2018 , 45, 6371-6381	4.9	12
56	Resonance of relativistic electrons with electromagnetic ion cyclotron waves. <i>Geophysical Research Letters</i> , 2015 , 42, 8263-8270	4.9	12
55	Recent Progress in Physics-Based Models of the Plasmasphere 2009 , 193-229		12
54	Predicting electromagnetic ion cyclotron wave amplitude from unstable ring current plasma conditions. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 10,954-10,965	2.6	11
53	Sources, Transport, and Losses of Energetic Particles During Geomagnetic Storms. <i>Geophysical Monograph Series</i> , 2005 , 9-21	1.1	11
52	Fast modulations of pulsating proton aurora related to subpacket structures of Pc1 geomagnetic pulsations at subauroral latitudes. <i>Geophysical Research Letters</i> , 2016 , 43, 7859-7866	4.9	11
51	The Evolution of the Plasma Sheet Ion Composition: Storms and Recoveries. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 12,040-12,054	2.6	10
50	Initial Results From the GEM Challenge on the Spacecraft Surface Charging Environment. <i>Space Weather</i> , 2019 , 17, 299-312	3.7	10
49	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> , 2015 , 120, 9617-9631	2.6	10
48	Ground disturbances of the ring, magnetopause, and tail currents on the day the solar wind almost disappeared. <i>Journal of Geophysical Research</i> , 2001 , 106, 25529-25540		10
47	Plasma Sheet Preconditioning, Enhanced Convection and Ring Current Development. <i>Astrophysics and Space Science Library</i> , 1998 , 755-760	0.3	10
46	Comparing simulated and observed EMIC wave amplitudes using in situ Van Allen Probes measurements. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2018 , 177, 190-201	2	9
45	Ring current pressure estimation with RAM-SCB using data assimilation and Van Allen Probe flux data. <i>Geophysical Research Letters</i> , 2016 , 43, 11,948	4.9	9
44	Modeling the Behavior of Corotating Interaction Region Driven Storms in Comparison with Coronal Mass Ejection Driven Storms. <i>Geophysical Monograph Series</i> , 2006 , 77-84	1.1	9
43	Integration of RAM-SCB into the Space Weather Modeling Framework. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2018 , 177, 160-168	2	8

42	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> , 2013 , 99, 14-26	2	8
41	The magnetosphere under weak solar wind forcing. <i>Annales Geophysicae</i> , 2007 , 25, 191-205	2	8
40	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> , 2014 , 119, 1683-1692	2.6	7
39	Large-scale geomagnetic effects of May 4, 1998. <i>Advances in Space Research</i> , 2003 , 31, 1111-1116	2.4	7
38	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 2013 , 311-336		7
37	The Effects of Field Line Curvature (FLC) Scattering on Ring Current Dynamics and Isotropic Boundary. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2020JA027830	2.6	7
36	Recent Advancements and Remaining Challenges Associated With Inner Magnetosphere Cross-Energy/Population Interactions (IMCEPI). <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 886-897	2.6	6
35	The Role of the Earth's Ring Current in Radiation Belt Dynamics. <i>Geophysical Monograph Series</i> , 2013 , 303-314	1.1	6
34	Modeling geomagnetic storm dynamics: New results and challenges. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2007 , 69, 56-66	2	6
33	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> , 2005 , 221-235	1.1	6
32	Simulations of Van Allen Probes Plasmaspheric Electron Density Observations. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 9453-9475	2.6	6
31	Improved Simulations of The Inner Magnetosphere During High Geomagnetic Activity With the RAM-SCB Model. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 4233-4248	2.6	5
30	Characteristics of storm time electric fields in the inner magnetosphere derived from Cluster data. <i>Journal of Geophysical Research</i> , 2010 , 115, n/a-n/a		5
29	IMF B_z and the seasonal dependences of the electric field in the inner magnetosphere. <i>Annales Geophysicae</i> , 2005 , 23, 2671-2678	2	5
28	Global Simulation of Electron Cyclotron Harmonic Wave Instability in a Storm-Time Magnetosphere. <i>Geophysical Research Letters</i> , 2020 , 47, e2019GL086368	4.9	4
27	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> , 2019 , 124, 5129-5142	2.6	4
26	Calculation of bounce-averaged velocities and hydrogen densities for a storm-time magnetic field. <i>Geophysical Research Letters</i> , 2007 , 34,	4.9	4
25	Space weather drivers in the ACE era. <i>Space Weather</i> , 2006 , 4, n/a-n/a	3.7	4

24	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> , 2021 , 126, e2020JA028553 ^{2,6}	4
23	Ring current decay 2020 , 181-223	3
22	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> , 2015 , 120, 2616-2630	2.6 3
21	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> , 2008 , 113, n/a-n/a	3
20	Modeling the Energetic Particles of the Inner Magnetosphere 2016 , 102-147	3
19	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> , 2021 , 126, e2020JA028812	2.6 3
18	Particle tracing modeling of ion fluxes at geosynchronous orbit. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2018 , 177, 131-140	2 3
17	Data-optimized source modeling with the Backwards Liouville Test Kinetic method. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2018 , 177, 125-130	2 2
16	Comparison of Electron Loss Models in the Inner Magnetosphere During the 2013 St. Patrick's Day Geomagnetic Storm. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 7872-7888	2.6 2
15	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> , 2014 , 32, 473-483	2 2
14	Self-Consistent Simulations of Plasma Waves and Their Effects on Energetic Particles 2011 , 189-199	2
13	Ion heating by fast magnetosonic waves and ring current-electron radiation belt coupling 2011 ,	2
12	Power to the magnetosphere: May 4, 1998. <i>Advances in Space Research</i> , 2003 , 31, 1117-1122	2.4 2
11	Contribution of Electron Pressure to Ring Current and Ground Magnetic Depression Using RAM-SCB Simulations and Arase Observations During 7 November 2017 Magnetic Storm. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2021JA029109	2.6 2
10	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> , 2018 , 177, 169-178	2 2
9	Introduction and historical background 2020 , 1-13	1
8	Space weather effects and prediction 2020 , 245-269	1
7	Tenuous solar winds: Insights on solar wind-magnetosphere interactions. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2008 , 70, 371-376	2 1

6	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> , 2021 , 126, e2020JA028216	2.6	1
5	Simulating the effects of warm O ⁺ ions on the growth of electromagnetic ion cyclotron (EMIC) waves. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2021 , 224, 105737	2	1
4	Predicting Solar Energetic Particles Using SDO/HMI Vector Magnetic Data Products and a Bidirectional LSTM Network. <i>Astrophysical Journal, Supplement Series</i> , 2022 , 260, 16	8	0
3	Recent observations and simulations of the Sun-Earth system, Grand Hotel Varna, Bulgaria, 1702 September 2006. <i>Eos</i> , 2007 , 88, 62-62	1.5	
2	New Insights on Geomagnetic Storms from Model Simulations Using Multi-Spacecraft Data 2003 , 157-165		
1	Global Modeling of Wave Generation Processes in the Inner Magnetosphere. <i>Geophysical Monograph Series</i> , 2016 , 155-166	1.1	