

Vania Jordanova

List of Publications by Year in descending order

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159
papers

7,726
citations

46984

47
h-index

56687

83
g-index

172
all docs

172
docs citations

172
times ranked

2256
citing authors

#	ARTICLE	IF	CITATIONS
1	The Electric and Magnetic Field Instrument Suite and Integrated Science (EMFISIS) on RBSP. Space Science Reviews, 2013, 179, 127-181.	3.7	932
2	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. Space Science Reviews, 2013, 179, 311-336.	3.7	463
3	Modeling ring current proton precipitation by electromagnetic ion cyclotron waves during the May 14-16, 1997, storm. Journal of Geophysical Research, 2001, 106, 7-22.	3.3	261
4	Precipitation of radiation belt electrons by EMIC waves, observed from ground and space. Geophysical Research Letters, 2008, 35, .	1.5	245
5	Collisional losses of ring current ions. Journal of Geophysical Research, 1996, 101, 111-126.	3.3	225
6	Relativistic electron precipitation by EMIC waves from self-consistent global simulations. Journal of Geophysical Research, 2008, 113, .	3.3	223
7	The occurrence and wave properties of H ⁺ , He ⁺ , and O ⁺ band EMIC waves observed by the Van Allen Probes. Journal of Geophysical Research: Space Physics, 2015, 120, 7477-7492.	0.8	184
8	Kinetic model of the ring current-atmosphere interactions. Journal of Geophysical Research, 1997, 102, 14279-14291.	3.3	180
9	Analysis of early phase ring current recovery mechanisms during geomagnetic storms. Geophysical Research Letters, 1999, 26, 2845-2848.	1.5	162
10	Global simulation of magnetosonic wave instability in the storm time magnetosphere. Journal of Geophysical Research, 2010, 115, .	3.3	152
11	Kinetic simulations of ring current evolution during the Geospace Environment Modeling challenge events. Journal of Geophysical Research, 2006, 111, .	3.3	144
12	A statistical study of EMIC waves observed by Cluster: 1. Wave properties. Journal of Geophysical Research: Space Physics, 2015, 120, 5574-5592.	0.8	136
13	Effects of a high-density plasma sheet on ring current development during the November 2-6, 1993, magnetic storm. Journal of Geophysical Research, 1998, 103, 26285-26305.	3.3	121
14	Global simulation of EMIC wave excitation during the 21 April 2001 storm from coupled RCM-GRAM-HOTRAY modeling. Journal of Geophysical Research, 2010, 115, .	3.3	120
15	Self-consistent modeling of magnetic fields and plasmas in the inner magnetosphere: Application to a geomagnetic storm. Journal of Geophysical Research, 2006, 111, .	3.3	119
16	October 1995 magnetic cloud and accompanying storm activity: Ring current evolution. Journal of Geophysical Research, 1998, 103, 79-92.	3.3	112
17	Multistep Dst development and ring current composition changes during the 4-6 June 1991 magnetic storm. Journal of Geophysical Research, 2002, 107, SMP 33-1-SMP 33-22.	3.3	108
18	Modeling of the contribution of electromagnetic ion cyclotron (EMIC) waves to stormtime ring current erosion. Geophysical Monograph Series, 1997, , 187-202.	0.1	102

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19	Observations and modeling of energetic electron dynamics during the October 2001 storm. Journal of Geophysical Research, 2006, 111, .	3.3	94
20	Modeling the electromagnetic ion cyclotron waveâ€induced formation of detached subauroral proton arcs. Journal of Geophysical Research, 2007, 112, .	3.3	94
21	Comparative study of ring current development using empirical, dipolar, and selfâ€consistent magnetic field simulations. Journal of Geophysical Research, 2010, 115, .	3.3	91
22	Relativistic model of ring current and radiation belt ions and electrons: Initial results. Geophysical Research Letters, 2005, 32, n/a-n/a.	1.5	86
23	Energy content in the storm time ring current. Journal of Geophysical Research, 2001, 106, 19149-19156.	3.3	84
24	A bounce-averaged kinetic model of the ring current ion population. Geophysical Research Letters, 1994, 21, 2785-2788.	1.5	77
25	Threeâ€dimensional ray tracing of VLF waves in a magnetospheric environment containing a plasmaspheric plume. Geophysical Research Letters, 2009, 36, .	1.5	76
26	Dynamic Radiation Environment Assimilation Model: DREAM. Space Weather, 2012, 10, .	1.3	74
27	Modeling ring current ion and electron dynamics and plasma instabilities during a highâ€speed stream driven storm. Journal of Geophysical Research, 2012, 117, .	3.3	73
28	A two-ejecta event associated with a two-step geomagnetic storm. Journal of Geophysical Research, 2006, 111, .	3.3	71
29	Geospace environment modeling 2008â€2009 challenge: <i>D</i>_{st} index. Space Weather, 2013, 11, 187-205.	1.3	69
30	Ring current asymmetry from global simulations using a high-resolution electric field model. Journal of Geophysical Research, 2003, 108, .	3.3	68
31	Interaction of EMIC Waves With Thermal Plasma and Radiation Belt Particles. Geophysical Monograph Series, 2006, , 213-223.	0.1	66
32	Excitation of whistler mode chorus from global ring current simulations. Journal of Geophysical Research, 2010, 115, .	3.3	65
33	Magnetosonic wave instability analysis for proton ring distributions observed by the LANL magnetospheric plasma analyzer. Journal of Geophysical Research, 2011, 116, .	3.3	63
34	Estimating the effects of ionospheric plasma on solar wind/magnetosphere coupling via mass loading of dayside reconnection: Ionâ€plasmaâ€sheet oxygen, plasmaspheric drainage plumes, and the plasma cloak. Journal of Geophysical Research: Space Physics, 2013, 118, 5695-5719.	0.8	63
35	Effect of wave-particle interactions on ring current evolution for January 10-11, 1997: Initial results. Geophysical Research Letters, 1998, 25, 2971-2974.	1.5	62
36	Statistical properties of the surfaceâ€charging environment at geosynchronous orbit. Space Weather, 2013, 11, 237-244.	1.3	62

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37	Global Threeâ€Dimensional Simulation of Earth's Dayside Reconnection Using a Twoâ€Way Coupled Magnetohydrodynamics With Embedded Particleâ€Cell Model: Initial Results. Journal of Geophysical Research: Space Physics, 2017, 122, 10,318.	0.8	62
38	Model Evaluation Guidelines for Geomagnetic Index Predictions. Space Weather, 2018, 16, 2079-2102.	1.3	62
39	Effects of heavy ions on the quasi-linear diffusion coefficients from resonant interactions with electromagnetic ion cyclotron waves. Journal of Geophysical Research, 1996, 101, 19771-19778.	3.3	61
40	The effects of dynamic ionospheric outflow on the ring current. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	58
41	Effects of inner magnetospheric convection on ring current dynamics: March 10-12, 1998. Journal of Geophysical Research, 2001, 106, 29705-29720.	3.3	55
42	Effect of spatial density variation and O+ concentration on the growth and evolution of electromagnetic ion cyclotron waves. Journal of Geophysical Research: Space Physics, 2014, 119, 8372-8395.	0.8	55
43	Excitation of EMIC waves detected by the Van Allen Probes on 28 April 2013. Geophysical Research Letters, 2014, 41, 4101-4108.	1.5	55
44	Solar cycle variations of the electron radiation belts: Observations and radial diffusion simulation. Space Weather, 2004, 2, n/a-n/a.	1.3	53
45	Self-consistent model of magnetospheric ring current and electromagnetic ion cyclotron waves: The 2â€7 May 1998 storm. Journal of Geophysical Research, 2003, 108, .	3.3	52
46	Modeling subauroral polarization streams during the 17 March 2013 storm. Journal of Geophysical Research: Space Physics, 2015, 120, 1738-1750.	0.8	52
47	Recent Progress in Physics-Based Models of the Plasmasphere. Space Science Reviews, 2009, 145, 193-229.	3.7	50
48	A statistical study of EMIC waves observed by Cluster: 2. Associated plasma conditions. Journal of Geophysical Research: Space Physics, 2016, 121, 6458-6479.	0.8	45
49	Ring current activity during the early Bz < 0 phase of the January 1997 magnetic cloud. Journal of Geophysical Research, 1999, 104, 24895-24914.	3.3	44
50	An empirical model of electron and ion fluxes derived from observations at geosynchronous orbit. Space Weather, 2015, 13, 233-249.	1.3	44
51	Effects of plasma sheet variability on the fast initial ring current decay. Geophysical Research Letters, 2003, 30, .	1.5	43
52	Self-consistent inner magnetosphere simulation driven by a global MHD model. Journal of Geophysical Research, 2010, 115, .	3.3	43
53	An improved empirical model of electron and ion fluxes at geosynchronous orbit based on upstream solar wind conditions. Space Weather, 2016, 14, 511-523.	1.3	42
54	RAM-SCB simulations of electron transport and plasma wave scattering during the October 2012 â€doubleâ€dipâ€ storm. Journal of Geophysical Research: Space Physics, 2016, 121, 8712-8727.	0.8	41

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55	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.	0.8	40
56	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.	0.6	39
57	Electromagnetic ion cyclotron wave modeling during the geospace environment modeling challenge event. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 2963-2977.	0.8	39
58	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.	3.3	38
59	Free energy to drive equatorial magnetosonic wave instability at geosynchronous orbit. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	38
60	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.	3.3	37
61	Diminished contribution of ram pressure to Dst during magnetic storms. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	36
62	Using neural networks from different magnetic field models and their applicability. <i>Space Weather</i> , 2012, 10, .	1.3	36
63	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.	1.5	36
64	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.	1.5	34
65	The two-way relationship between ionospheric outflow and the ring current. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 4338-4353.	0.8	33
66	Ring current heating of the thermal electrons at solar maximum. <i>Journal of Geophysical Research</i> , 2000, 105, 27767-27776.	3.3	31
67	Specification of the near-Earth space environment with SHIELDS. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2018, 177, 148-159.	0.6	31
68	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.	0.8	30
69	RING CURRENT DYNAMICS DURING THE 13-18 JULY 2000 STORM PERIOD. <i>Solar Physics</i> , 2001, 204, 361-375.	1.0	29
70	Ring current development during high speed streams. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2009, 71, 1093-1102.	0.6	29
71	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.	3.3	28
72	Effect of storm-time plasma pressure on the magnetic field in the inner magnetosphere. <i>Geophysical Research Letters</i> , 2005, 32, .	1.5	28

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73	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, .	1.5	28
74	Wind and ACE observations during the great flow of 1â€“4 May 1998: Relation to solar activity and implications for the magnetosphere. <i>Journal of Geophysical Research</i> , 2002, 107, SSH 3-1.	3.3	26
75	Electric field measurements in the inner magnetosphere by Cluster EDI. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	26
76	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.	1.5	25
77	Derivation of electric potential patterns in the inner magnetosphere from Cluster EDI data: Initial results. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	24
78	The latitudinal variation of geoelectromagnetic disturbances during large ($\langle i \rangle Dst \sim 100 \text{ nT}$) geomagnetic storms. <i>Space Weather</i> , 2016, 14, 668-681.	1.3	23
79	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, .	3.3	22
80	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.	0.8	22
81	Global, collisional model of high-energy photoelectrons. <i>Geophysical Research Letters</i> , 1996, 23, 331-334.	1.5	21
82	Derivation of inner magnetospheric electric field (UNH-IMEF) model using Cluster data set. <i>Annales Geophysicae</i> , 2008, 26, 2887-2898.	0.6	21
83	Visualization of ion cyclotron wave and particle interactions in the inner magnetosphere via THEMIS-ASI observations. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	21
84	New Insights on Geomagnetic Storms from Model Simulations Using Multi-Spacecraft Data. <i>Space Science Reviews</i> , 2003, 107, 157-165.	3.7	20
85	Storm-time plasma signatures observed by IMAGE/MENA and comparison with a global physics-based model. <i>Geophysical Research Letters</i> , 2005, 32, .	1.5	20
86	Survey of intense Sun-Earth connection events (1995-2003). <i>Advances in Space Research</i> , 2006, 38, 498-502.	1.2	20
87	Validation study of the magnetically self-consistent inner magnetosphere model RAM-SCB. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	20
88	FAST/TEAMS observations of charge exchange signatures in ions mirroring at low altitudes. <i>Geophysical Research Letters</i> , 1998, 25, 2085-2088.	1.5	19
89	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.	0.6	19
90	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.	0.8	17

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91	Initial Results From the GEM Challenge on the Spacecraft Surface Charging Environment. Space Weather, 2019, 17, 299-312.	1.3	17
92	The outer radiation belt injection, transport, acceleration and loss satellite (ORBITALS): A canadian small satellite mission for ILWS. Advances in Space Research, 2006, 38, 1838-1860.	1.2	16
93	An effort to derive an empirically based, inner-magnetospheric electric field model: Merging Cluster EDI and EFW data. Journal of Atmospheric and Solar-Terrestrial Physics, 2008, 70, 564-573.	0.6	16
94	Predicting electromagnetic ion cyclotron wave amplitude from unstable ring current plasma conditions. Journal of Geophysical Research: Space Physics, 2016, 121, 10,954.	0.8	16
95	Transport and loss of the inner plasma sheet electrons: THEMIS observations. Journal of Geophysical Research, 2011, 116, .	3.3	15
96	A direct link between chorus emissions and pulsating aurora on timescales from milliseconds to minutes: A case study at subauroral latitudes. Journal of Geophysical Research: Space Physics, 2015, 120, 9617-9631.	0.8	14
97	Ring current pressure estimation with RAM-SCB using data assimilation and Van Allen Probe flux data. Geophysical Research Letters, 2016, 43, 11,948.	1.5	14
98	Simulating the Ion Precipitation From the Inner Magnetosphere by He-Band and He-Band Electro Magnetic Ion Cyclotron Waves. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028553.	0.8	14
99	On the Ion Precipitation due to Field Line Curvature (FLC) and EMIC Wave Scattering and Their Subsequent Impact on Ionospheric Electrodynamics. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028812.	0.8	14
100	Ground disturbances of the ring, magnetopause, and tail currents on the day the solar wind almost disappeared. Journal of Geophysical Research, 2001, 106, 25529-25540.	3.3	13
101	Resonance of relativistic electrons with electromagnetic ion cyclotron waves. Geophysical Research Letters, 2015, 42, 8263-8270.	1.5	13
102	Fast modulations of pulsating proton aurora related to subpacket structures of Pc1 geomagnetic pulsations at subauroral latitudes. Geophysical Research Letters, 2016, 43, 7859-7866.	1.5	13
103	Measurement and modeling of the refilling plasmasphere during 2001. Journal of Geophysical Research: Space Physics, 2016, 121, 2226-2248.	0.8	13
104	Integration of RAM-SCB into the Space Weather Modeling Framework. Journal of Atmospheric and Solar-Terrestrial Physics, 2018, 177, 160-168.	0.6	13
105	Recent Progress in Physics-Based Models of the Plasmasphere. , 2009, , 193-229.		13
106	Sources, Transport, and Losses of Energetic Particles During Geomagnetic Storms. Geophysical Monograph Series, 0, , 9-21.	0.1	12
107	The Evolution of the Plasma Sheet Ion Composition: Storms and Recoveries. Journal of Geophysical Research: Space Physics, 2017, 122, 12,040.	0.8	12
108	Comparing simulated and observed EMIC wave amplitudes using in situ Van Allen Probes measurements. Journal of Atmospheric and Solar-Terrestrial Physics, 2018, 177, 190-201.	0.6	11

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109	The magnetosphere under weak solar wind forcing. <i>Annales Geophysicae</i> , 2007, 25, 191-205.	0.6	10
110	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.	0.1	9
111	Application and testing of the L^1 neural network with the self-consistent magnetic field model of RAM-SCB. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 1683-1692.	0.8	9
112	Large-scale geomagnetic effects of May 4, 1998. <i>Advances in Space Research</i> , 2003, 31, 1111-1116.	1.2	8
113	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.	0.6	8
114	Simulations of Van Allen Probes Plasmaspheric Electron Density Observations. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 9453-9475.	0.8	8
115	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.	0.8	8
116	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.	0.8	8
117	Ring current decay. , 2020, , 181-223.		8
118	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.		8
119	Effects of EMIC Wave-Driven Proton Precipitation on the Ionosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2022, 127, .	0.8	8
120	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.	0.1	7
121	IMF \times B and the seasonal dependences of the electric field in the inner magnetosphere. <i>Annales Geophysicae</i> , 2005, 23, 2671-2678.	0.6	7
122	Modeling geomagnetic storm dynamics: New results and challenges. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2007, 69, 56-66.	0.6	7
123	The Role of the Earth's Ring Current in Radiation Belt Dynamics. <i>Geophysical Monograph Series</i> , 0, , 303-314.	0.1	6
124	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.	0.8	6
125	Global Simulation of Electron Cyclotron Harmonic Wave Instability in a Storm-Time Magnetosphere. <i>Geophysical Research Letters</i> , 2020, 47, e2019GL086368.	1.5	6
126	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.	3.0	6

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127	Characteristics of storm time electric fields in the inner magnetosphere derived from Cluster data. Journal of Geophysical Research, 2010, 115, .	3.3	5
128	PIC simulations of wave-particle interactions with an initial electron velocity distribution from a kinetic ring current model. Journal of Atmospheric and Solar-Terrestrial Physics, 2018, 177, 169-178.	0.6	5
129	Quantifying the Effect of Magnetic Field Line Curvature Scattering on the Loss of Ring Current Ions. Journal of Geophysical Research: Space Physics, 2021, 126, .	0.8	5
130	On the Importance of Using Event-Specific Wave Diffusion Rates in Modeling Diffuse Electron Precipitation. Journal of Geophysical Research: Space Physics, 2022, 127, .	0.8	5
131	Space weather drivers in the ACE era. Space Weather, 2006, 4, n/a-n/a.	1.3	4
132	Calculation of bounce-averaged velocities and hydrogen densities for a storm-time magnetic field. Geophysical Research Letters, 2007, 34, .	1.5	4
133	Bounce- and MLT-averaged diffusion coefficients in a physics-based magnetic field geometry obtained from RAM-SCB for the 17 March 2013 storm. Journal of Geophysical Research: Space Physics, 2015, 120, 2616-2630.	0.8	4
134	Comparison of Electron Loss Models in the Inner Magnetosphere During the 2013 St. Patrick's Day Geomagnetic Storm. Journal of Geophysical Research: Space Physics, 2019, 124, 7872-7888.	0.8	4
135	Contribution of Electron Pressure to Ring Current and Ground Magnetic Depression Using RAM-SCB Simulations and Arase Observations During 7-8 November 2017 Magnetic Storm. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029109.	0.8	4
136	Plasma Imaging, Local Measurement, and Tomographic Experiment (PILOT): A Mission Concept for Transformational Multi-Scale Observations of Mass and Energy Flow Dynamics in Earth's Magnetosphere. Frontiers in Astronomy and Space Sciences, 0, 9, .	1.1	4
137	Power to the magnetosphere: May 4, 1998. Advances in Space Research, 2003, 31, 1117-1122.	1.2	3
138	Modeling the effects of local time variation of plasma sheet properties on proton ring current energy and peak location. Journal of Geophysical Research, 2008, 113, .	3.3	3
139	Data-optimized source modeling with the Backwards Liouville Test-Kinetic method. Journal of Atmospheric and Solar-Terrestrial Physics, 2018, 177, 125-130.	0.6	3
140	Particle tracing modeling of ion fluxes at geosynchronous orbit. Journal of Atmospheric and Solar-Terrestrial Physics, 2018, 177, 131-140.	0.6	3
141	Introduction and historical background. , 2020, , 1-13.		3
142	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. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028216.	0.8	3
143	Simulating the effects of warm O ⁺ ions on the growth of electromagnetic ion cyclotron (EMIC) waves. Journal of Atmospheric and Solar-Terrestrial Physics, 2021, 224, 105737.	0.6	3
144	Modeling the Energetic Particles of the Inner Magnetosphere. , 2016, , 102-147.		3

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145	Tenuous solar winds: Insights on solar windâ€“magnetosphere interactions. Journal of Atmospheric and Solar-Terrestrial Physics, 2008, 70, 371-376.	0.6	2
146	Self-Consistent Simulations of Plasma Waves and Their Effects on Energetic Particles. , 2011, , 189-199.		2
147	Ion heating by fast magnetosonic waves and ring current-electron radiation belt coupling. , 2011, , .		2
148	Radiation belt data assimilation of a moderate storm event using a magnetic field configuration from the physics-based RAM-SCB model. Annales Geophysicae, 2014, 32, 473-483.	0.6	2
149	Space weather effects and prediction. , 2020, , 245-269.		1
150	EDI convection measurements at 5â€“6 R. Annales Geophysicae, 1999, 17, 1503.	0.6	1
151	TributaryPCA: Distributed, Streaming PCA for In Situ Dimension Reduction with Application to Space Weather Simulations. , 2021, , .		1
152	Long-distance Correlations of Interplanetary Parameters: A Case Study with HELIOS. AIP Conference Proceedings, 2003, , .	0.3	0
153	Recent observations and simulations of the Sun-Earth system, Grand Hotel Varna, Bulgaria, 17-22 September 2006. Eos, 2007, 88, 62-62.	0.1	0
154	Numerical Simulation of Energetic Electrons in the Inner Magnetosphere during the October 2001 storm. , 2009, , .		0
155	New Insights on Geomagnetic Storms from Observations and Modeling. , 2009, , .		0
156	New Insights on Geomagnetic Storms from Model Simulations Using Multi-Spacecraft Data. , 2003, , 157-165.		0
157	Integrating Research of the Sun-Earth System. Eos, 2017, , .	0.1	0
158	Topological Segmentation and Tracking for Space Weather Modeling. , 2021, , .		0
159	From Theory to Largeâ€“Scale Simulations, or Living Without â€œThe Paradox of Choiceâ€œ: Perspectives of Earth and Space Scientists, 2022, 3, .	0.2	0