

A V Artemyev

List of Publications by Year in descending order

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311
papers

8,288
citations

53660

45
h-index

106150

65
g-index

317
all docs

317
docs citations

317
times ranked

2000
citing authors

#	ARTICLE	IF	CITATIONS
1	Statistics of whistler mode waves in the outer radiation belt: Cluster STAFF&SA measurements. Journal of Geophysical Research: Space Physics, 2013, 118, 3407-3420.	0.8	205
2	Particle Acceleration in the Magnetotail and Aurora. Space Science Reviews, 2012, 173, 49-102.	3.7	173
3	Oblique Whistler-Mode Waves in the Earth's Inner Magnetosphere: Energy Distribution, Origins, and Role in Radiation Belt Dynamics. Space Science Reviews, 2016, 200, 261-355.	3.7	145
4	Thin current sheets in collisionless plasma: Equilibrium structure, plasma instabilities, and particle acceleration. Plasma Physics Reports, 2011, 37, 118-160.	0.3	142
5	Time domain structures: What and where they are, what they do, and how they are made. Geophysical Research Letters, 2015, 42, 3627-3638.	1.5	121
6	Synthetic Empirical Chorus Wave Model From Combined Van Allen Probes and Cluster Statistics. Journal of Geophysical Research: Space Physics, 2018, 123, 297-314.	0.8	100
7	The role of localized inductive electric fields in electron injections around dipolarizing flux bundles. Journal of Geophysical Research: Space Physics, 2016, 121, 9560-9585.	0.8	95
8	Consequences of geomagnetic activity on energization and loss of radiation belt electrons by oblique chorus waves. Journal of Geophysical Research: Space Physics, 2014, 119, 2775-2796.	0.8	85
9	Embedded current sheets in the Earth's magnetotail. Journal of Geophysical Research, 2011, 116, .	3.3	78
10	Very oblique whistler generation by low-energy electron streams. Journal of Geophysical Research: Space Physics, 2015, 120, 3665-3683.	0.8	78
11	Quasiadiabatic dynamics of charged particles in a space plasma. Physics-Uspexhi, 2013, 56, 347-394.	0.8	76
12	Fast dropouts of multi-MeV electrons due to combined effects of EMIC and whistler mode waves. Geophysical Research Letters, 2016, 43, 4155-4163.	1.5	76
13	Unraveling the excitation mechanisms of highly oblique lower band chorus waves. Geophysical Research Letters, 2016, 43, 8867-8875.	1.5	75
14	Magnetotail reconnection onset caused by electron kinetics with a strong external driver. Nature Communications, 2020, 11, 5049.	5.8	75
15	Nonlinear local parallel acceleration of electrons through Landau trapping by oblique whistler mode waves in the outer radiation belt. Geophysical Research Letters, 2015, 42, 10,140.	1.5	74
16	Timescales for electron quasi-linear diffusion by parallel and oblique lower band chorus waves. Journal of Geophysical Research, 2012, 117, .	3.3	71
17	The quasi-electrostatic mode of chorus waves and electron nonlinear acceleration. Journal of Geophysical Research: Space Physics, 2014, 119, 1606-1626.	0.8	70
18	Current Sheets in the Earth Magnetotail: Plasma and Magnetic Field Structure with Cluster Project Observations. Space Science Reviews, 2015, 188, 311-337.	3.7	69

#	ARTICLE	IF	CITATIONS
19	Statistical Study of Whistler Waves in the Solar Wind at 1 au. <i>Astrophysical Journal</i> , 2019, 878, 41.	1.6	69
20	Cluster statistics of thin current sheets in the Earth magnetotail: Specifics of the dawn flank, proton temperature profiles and electrostatic effects. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	68
21	VLF waves from ground-based transmitters observed by the Van Allen Probes: Statistical model and effects on plasmaspheric electrons. <i>Geophysical Research Letters</i> , 2017, 44, 6483-6491.	1.5	66
22	Analytical estimates of electron quasi-linear diffusion by fast magnetosonic waves. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 3096-3112.	0.8	63
23	Evidence of stronger pitch angle scattering loss caused by oblique whistler-mode waves as compared with quasi-parallel waves. <i>Geophysical Research Letters</i> , 2014, 41, 6063-6070.	1.5	63
24	Electron-acoustic solitons and double layers in the inner magnetosphere. <i>Geophysical Research Letters</i> , 2017, 44, 4575-4583.	1.5	62
25	Properties of Intense Field-Aligned Lower-Band Chorus Waves: Implications for Nonlinear Wave-Particle Interactions. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 5379-5393.	0.8	62
26	Thin embedded current sheets: Cluster observations of ion kinetic structure and analytical models. <i>Annales Geophysicae</i> , 2009, 27, 4075-4087.	0.6	61
27	Non-diffusive resonant acceleration of electrons in the radiation belts. <i>Physics of Plasmas</i> , 2012, 19, .	0.7	61
28	Kinetic Structure of Current Sheets in the Earth Magnetotail. <i>Space Science Reviews</i> , 2013, 178, 419-440.	3.7	61
29	Electron Nonlinear Resonant Interaction With Short and Intense Parallel Chorus Wave Packets. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 4979-4999.	0.8	59
30	Proton velocity distribution in thin current sheets: Cluster observations and theory of transient trajectories. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	57
31	Extensive electron transport and energization via multiple, localized dipolarizing flux bundles. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 5059-5076.	0.8	56
32	A model of one-dimensional current sheet with parallel currents and normal component of magnetic field. <i>Physics of Plasmas</i> , 2011, 18, .	0.7	54
33	Wave energy budget analysis in the Earth's radiation belts uncovers a missing energy. <i>Nature Communications</i> , 2015, 6, 8143.	5.8	54
34	Ion resonance acceleration by dipolarization fronts: analytic theory and spacecraft observation. <i>Annales Geophysicae</i> , 2012, 30, 317-324.	0.6	53
35	Nonlinear Electron Interaction With Intense Chorus Waves: Statistics of Occurrence Rates. <i>Geophysical Research Letters</i> , 2019, 46, 7182-7190.	1.5	53
36	Whistler Wave Generation by Halo Electrons in the Solar Wind. <i>Astrophysical Journal Letters</i> , 2019, 870, L6.	3.0	53

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37	Spatial Extent and Temporal Correlation of Chorus and Hiss: Statistical Results From Multipoint THEMIS Observations. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 8317-8330.	0.8	52
38	Intense current sheets in the magnetotail: Peculiarities of electron physics. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 2789-2799.	0.8	51
39	Energy limits of electron acceleration in the plasma sheet during substorms: A case study with the Magnetospheric Multiscale (MMS) mission. <i>Geophysical Research Letters</i> , 2016, 43, 7785-7794.	1.5	51
40	Proton/electron temperature ratio in the magnetotail. <i>Annales Geophysicae</i> , 2011, 29, 2253-2257.	0.6	50
41	Transient electron precipitation during oscillatory BBF braking: THEMIS observations and theoretical estimates. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 3065-3076.	0.8	50
42	Inner belt and slot region electron lifetimes and energization rates based on AKEBONO statistics of whistler waves. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 2876-2893.	0.8	48
43	Hall effect control of magnetotail dawnâ€dusk asymmetry: A threeâ€dimensional global hybrid simulation. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 11,882.	0.8	48
44	Phase Decoherence Within Intense Chorus Wave Packets Constrains the Efficiency of Nonlinear Resonant Electron Acceleration. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL089807.	1.5	48
45	Nonlinear electron acceleration by oblique whistler waves: Landau resonance vs. cyclotron resonance. <i>Physics of Plasmas</i> , 2013, 20, .	0.7	47
46	Evolution of Electron Distribution Driven by Nonlinear Resonances With Intense Fieldâ€Aligned Chorus Waves. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 8149-8169.	0.8	47
47	Trapping (capture) into resonance and scattering on resonance: Summary of results for space plasma systems. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2018, 65, 111-160.	1.7	47
48	The ELFIN Mission. <i>Space Science Reviews</i> , 2020, 216, 103.	3.7	47
49	Near-Earth magnetotail reconnection powers space storms. <i>Nature Physics</i> , 2020, 16, 317-321.	6.5	47
50	Two types of tangential magnetopause current sheets: Cluster observations and theory. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	46
51	Chorus wave-normal statistics in the Earth's radiation belts from ray tracing technique. <i>Annales Geophysicae</i> , 2012, 30, 1223-1233.	0.6	46
52	Parametric validations of analytical lifetime estimates for radiation belt electron diffusion by whistler waves. <i>Annales Geophysicae</i> , 2013, 31, 599-624.	0.6	46
53	Electron trapping and acceleration by kinetic Alfvén waves in the inner magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 10,305.	0.8	46
54	Diffusive scattering of electrons by electron holes around injection fronts. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 3163-3182.	0.8	46

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55	Whistler and Electron Firehose Instability Control of Electron Distributions in and Around Dipolarizing Flux Bundles. <i>Geophysical Research Letters</i> , 2018, 45, 9380-9389.	1.5	46
56	Electron pitch angle diffusion in radiation belts: The effects of whistler wave oblique propagation. <i>Geophysical Research Letters</i> , 2012, 39, .	1.5	45
57	Generation of nonlinear electric field bursts in the outer radiation belt through the parametric decay of whistler waves. <i>Geophysical Research Letters</i> , 2015, 42, 3715-3722.	1.5	45
58	Magnetospheric Multiscale Satellite Observations of Parallel Electron Acceleration in Magnetic Field Reconnection by Fermi Reflection from Time Domain Structures. <i>Physical Review Letters</i> , 2016, 116, 145101.	2.9	45
59	Fast transport of resonant electrons in phase space due to nonlinear trapping by whistler waves. <i>Geophysical Research Letters</i> , 2014, 41, 5727-5733.	1.5	44
60	Empirical model of lower band chorus wave distribution in the outer radiation belt. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 10,425.	0.8	43
61	Solitary Waves Across Supercritical Quasi-Perpendicular Shocks. <i>Geophysical Research Letters</i> , 2018, 45, 5809-5817.	1.5	43
62	Rapid acceleration of protons upstream of earthward propagating dipolarization fronts. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 4952-4962.	0.8	41
63	Storm-induced energization of radiation belt electrons: Effect of wave obliquity. <i>Geophysical Research Letters</i> , 2013, 40, 4138-4143.	1.5	41
64	Nonlinear Interactions Between Radiation Belt Electrons and Chorus Waves: Dependence on Wave Amplitude Modulation. <i>Geophysical Research Letters</i> , 2020, 47, e2019GL085987.	1.5	41
65	Scaling laws for the inner structure of the radiation belts. <i>Geophysical Research Letters</i> , 2017, 44, 3009-3018.	1.5	40
66	Contemporaneous EMIC and whistler mode waves: Observations and consequences for MeV electron loss. <i>Geophysical Research Letters</i> , 2017, 44, 8113-8121.	1.5	40
67	Comparison of multi-point measurements of current sheet structure and analytical models. <i>Annales Geophysicae</i> , 2008, 26, 2749-2758.	0.6	39
68	Cluster observations of \hat{a} , B_z , \hat{a} , x during growth phase magnetotail stretching intervals. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 5720-5730.	0.8	39
69	Electron scattering and nonlinear trapping by oblique whistler waves: The critical wave intensity for nonlinear effects. <i>Physics of Plasmas</i> , 2014, 21, .	0.7	39
70	Electron pitch angle/energy distribution in the magnetotail. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 7214-7227.	0.8	39
71	Flow bouncing and electron injection observed by Cluster. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 2055-2072.	0.8	38
72	Thermal electron acceleration by localized bursts of electric field in the radiation belts. <i>Geophysical Research Letters</i> , 2014, 41, 5734-5739.	1.5	38

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73	Periodic Excitation of Chorus and ECH Waves Modulated by Ultralow Frequency Compressions. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 8535-8550.	0.8	38
74	Earthward electric field in the magnetotail: Cluster observations and theoretical estimates. <i>Geophysical Research Letters</i> , 2010, 37, .	1.5	37
75	Adiabatic electron heating in the magnetotail current sheet: Cluster observations and analytical models. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	37
76	Utilizing the Heliophysics/Geospace System Observatory to Understand Particle Injections: Their Scale Sizes and Propagation Directions. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 5584-5609.	0.8	37
77	Turbulence and Particle Acceleration in Collisionless Magnetic Reconnection: Effects of Temperature Inhomogeneity across Pre-reconnection Current Sheet. <i>Astrophysical Journal</i> , 2019, 878, 109.	1.6	37
78	Rapid Frequency Variations Within Intense Chorus Wave Packets. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL088853.	1.5	37
79	Stability of relativistic electron trapping by strong whistler or electromagnetic ion cyclotron waves. <i>Physics of Plasmas</i> , 2015, 22, 082901.	0.7	36
80	Exclusion principle for very oblique and parallel lower band chorus waves. <i>Geophysical Research Letters</i> , 2016, 43, 11,112.	1.5	36
81	Properties of current sheet thinning at $\omega \sim 10$ to $\omega \sim 12 \hat{A}R$. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 6718-6731.	0.8	36
82	Nonlinear Evolution of the Whistler Heat Flux Instability. <i>Astrophysical Journal</i> , 2019, 882, 81.	1.6	36
83	Earth's distant magnetotail current sheet near and beyond lunar orbit. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 8663-8680.	0.8	35
84	Near-relativistic electron acceleration by Landau trapping in time domain structures. <i>Geophysical Research Letters</i> , 2016, 43, 508-514.	1.5	35
85	On the Acceleration and Anisotropy of Ions Within Magnetotail Dipolarizing Flux Bundles. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 429-442.	0.8	35
86	Simultaneous Multispacecraft Probing of Electron Phase Space Holes. <i>Geophysical Research Letters</i> , 2018, 45, 11,513.	1.5	35
87	Identifying STEVE's Magnetospheric Driver Using Conjugate Observations in the Magnetosphere and on the Ground. <i>Geophysical Research Letters</i> , 2019, 46, 12665-12674.	1.5	35
88	Kinetic equation for nonlinear resonant wave-particle interaction. <i>Physics of Plasmas</i> , 2016, 23, .	0.7	34
89	Electrostatic Turbulence and Debye-scale Structures in Collisionless Shocks. <i>Astrophysical Journal Letters</i> , 2020, 889, L9.	3.0	34
90	Probability of relativistic electron trapping by parallel and oblique whistler-mode waves in Earth's radiation belts. <i>Physics of Plasmas</i> , 2015, 22, .	0.7	33

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91	Strong enhancement of 10–100 keV electron fluxes by combined effects of chorus waves and time domain structures. <i>Geophysical Research Letters</i> , 2016, 43, 4683-4690.	1.5	33
92	On the radial force balance in the quiet time magnetotail current sheet. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 4017-4026.	0.8	33
93	Kinetics of sub-ion scale magnetic holes in the near-Earth plasma sheet. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 10,304.	0.8	33
94	Formation of Dawn-Dusk Asymmetry in Earth's Magnetotail Thin Current Sheet: A Three-Dimensional Particle-in-Cell Simulation. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 2801-2814.	0.8	33
95	Time Scales for Electron Quasi-linear Diffusion by Lower-Band Chorus Waves: The Effects of ω_p Dependence on Geomagnetic Activity. <i>Geophysical Research Letters</i> , 2019, 46, 6178-6187.	1.5	33
96	Thin current sheets in the Jovian magnetotail. <i>Planetary and Space Science</i> , 2014, 96, 133-145.	0.9	32
97	Magnetic field depression within electron holes. <i>Geophysical Research Letters</i> , 2015, 42, 2123-2129.	1.5	32
98	Multiscale Currents Observed by MMS in the Flow Braking Region. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 1260-1278.	0.8	32
99	The Hall Electric Field in Earth's Magnetotail Thin Current Sheet. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 1052-1062.	0.8	32
100	Surfatron acceleration in electromagnetic waves with a low phase velocity. <i>JETP Letters</i> , 2009, 89, 441-447.	0.4	31
101	Long-term evolution of electron distribution function due to nonlinear resonant interaction with whistler mode waves. <i>Journal of Plasma Physics</i> , 2018, 84, .	0.7	31
102	Statistical Properties of Sub-ion Magnetic Holes in the Dipolarized Magnetotail: Formation, Structure, and Dynamics. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 342-359.	0.8	31
103	Multisatellite MMS Analysis of Electron Holes in the Earth's Magnetotail: Origin, Properties, Velocity Gap, and Transverse Instability. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2020JA028066.	0.8	31
104	Acceleration of radiation belts electrons by oblique chorus waves. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	30
105	Electron holes in the outer radiation belt: Characteristics and their role in electron energization. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 120-135.	0.8	30
106	Current sheet structure and kinetic properties of plasma flows during a near-Earth magnetic reconnection under the presence of a guide field. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 3265-3287.	0.8	29
107	Thermal electron acceleration by electric field spikes in the outer radiation belt: Generation of field-aligned pitch angle distributions. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 8616-8632.	0.8	29
108	Thin current sheets with strong bell-shape guide field: Cluster observations and models with beams. <i>Annales Geophysicae</i> , 2014, 32, 1349-1360.	0.6	28

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109	Observational evidence of generation mechanisms for very oblique lower band chorus using THEMIS waveform data. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 6732-6748.	0.8	28
110	Kinetic models of two-dimensional plane and axially symmetric current sheets: Group theory approach. <i>Physics of Plasmas</i> , 2013, 20, .	0.7	27
111	The structure of strongly tilted current sheets in the Earth magnetotail. <i>Annales Geophysicae</i> , 2014, 32, 133-146.	0.6	27
112	Characteristics of ion distribution functions in dipolarizing flux bundles: Event studies. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 5965-5978.	0.8	27
113	Nonlinear Electrostatic Steepening of Whistler Waves: The Guiding Factors and Dynamics in Inhomogeneous Systems. <i>Geophysical Research Letters</i> , 2018, 45, 2168-2176.	1.5	27
114	Magnetic reconnection in Earth's magnetotail: Energy conversion and its earthward-tailward asymmetry. <i>Physics of Plasmas</i> , 2018, 25, .	0.7	27
115	Electrostatic Steepening of Whistler Waves. <i>Physical Review Letters</i> , 2018, 120, 195101.	2.9	27
116	On the Kinetic Nature of Solar Wind Discontinuities. <i>Geophysical Research Letters</i> , 2019, 46, 1185-1194.	1.5	27
117	Superfast precipitation of energetic electrons in the radiation belts of the Earth. <i>Nature Communications</i> , 2022, 13, 1611.	5.8	27
118	Hot electrons as tracers of large-scale structure of magnetotail current sheets. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	1.5	26
119	Capture into resonance and escape from it in a forced nonlinear pendulum. <i>Regular and Chaotic Dynamics</i> , 2013, 18, 686-696.	0.3	26
120	PROBABILISTIC MODEL OF BEAM-PLASMA INTERACTION IN RANDOMLY INHOMOGENEOUS PLASMA. <i>Astrophysical Journal</i> , 2015, 807, 38.	1.6	26
121	Magnetospheric Multiscale (MMS) Observations of Magnetic Reconnection in Foreshock Transients. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2020JA027822.	0.8	26
122	Profiles of electron temperature and $\frac{B}{B_0} \frac{dz}{z}$ along Earth's magnetotail. <i>Annales Geophysicae</i> , 2013, 31, 1109-1114.	0.6	25
123	Proton acceleration at two-dimensional dipolarization fronts in the magnetotail. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 8929-8941.	0.8	25
124	On the current density reduction ahead of dipolarization fronts. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 4269-4278.	0.8	25
125	Probabilistic approach to nonlinear wave-particle resonant interaction. <i>Physical Review E</i> , 2017, 95, 023204.	0.8	25
126	Very Oblique Whistler Mode Propagation in the Radiation Belts: Effects of Hot Plasma and Landau Damping. <i>Geophysical Research Letters</i> , 2017, 44, 12,057.	1.5	25

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127	Characteristics of the Flank Magnetopause: THEMIS Observations. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 3421-3435.	0.8	25
128	Heavy ion acceleration at dipolarization fronts in planetary magnetotails. <i>Geophysical Research Letters</i> , 2015, 42, 8280-8287.	1.5	24
129	Electron holes in inhomogeneous magnetic field: Electron heating and electron hole evolution. <i>Physics of Plasmas</i> , 2016, 23, .	0.7	24
130	Scattering by the broadband electrostatic turbulence in the space plasma. <i>Physics of Plasmas</i> , 2018, 25, .	0.7	24
131	On the Nature and Origin of Bipolar Electrostatic Structures in the Earth's Bow Shock. <i>Frontiers in Physics</i> , 2020, 8, .	1.0	24
132	Electron Lifetimes and Diffusion Rates Inferred From ELFIN Measurements at Low Altitude: First Results. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2021JA029757.	0.8	24
133	Mechanisms of Spontaneous Reconnection: From Magnetospheric to Fusion Plasma. <i>Space Science Reviews</i> , 2013, 178, 441-457.	3.7	23
134	Butterfly pitch angle distribution of relativistic electrons in the outer radiation belt: Evidence of nonadiabatic scattering. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 4279-4297.	0.8	23
135	Fine Structure of Chorus Wave Packets: Comparison Between Observations and Wave Generation Models. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2021JA029330.	0.8	23
136	Electron pitch-angle diffusion: resonant scattering by waves vs. nonadiabatic effects. <i>Annales Geophysicae</i> , 2013, 31, 1485-1490.	0.6	22
137	Approximate analytical solutions for the trapped electron distribution due to quasi-linear diffusion by whistler mode waves. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 9962-9977.	0.8	22
138	Mars's magnetotail: Nature's current sheet laboratory. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 5404-5417.	0.8	22
139	Near-Earth Reconnection Ejecta at Lunar Distances. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 2736-2744.	0.8	22
140	Kinetic Properties of Solar Wind Discontinuities at 1 AU Observed by ARTEMIS. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 3858-3870.	0.8	22
141	Generation of Realistic Short Chorus Wave Packets. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL092178.	1.5	22
142	Models of Resonant Wave-Particle Interactions. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2021JA029216.	0.8	22
143	Short Chorus Wave Packets: Generation Within Chorus Elements, Statistics, and Consequences on Energetic Electron Precipitation. <i>Journal of Geophysical Research: Space Physics</i> , 2022, 127, .	0.8	22
144	Ion motion in the current sheet with sheared magnetic field – Part 1: Quasi-adiabatic theory. <i>Nonlinear Processes in Geophysics</i> , 2013, 20, 163-178.	0.6	21

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145	Acceleration of ions by electric field pulses in the inner magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 4628-4640.	0.8	21
146	Relativistic electron scattering by magnetosonic waves: Effects of discrete wave emission and high wave amplitudes. <i>Physics of Plasmas</i> , 2015, 22, .	0.7	21
147	Ion density and temperature profiles along (X_{GSM}) and across (Z_{GSM}) the magnetotail as observed by THEMIS, Geotail, and ARTEMIS. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 1590-1599.	0.8	21
148	Impact of Significant Time-Integrated Geomagnetic Activity on 2-MeV Electron Flux. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 4445-4461.	0.8	21
149	On quasi-parallel whistler waves in the solar wind. <i>Physics of Plasmas</i> , 2020, 27, .	0.7	21
150	Long-term dynamics driven by resonant wave-particle interactions: from Hamiltonian resonance theory to phase space mapping. <i>Journal of Plasma Physics</i> , 2021, 87, .	0.7	21
151	Theoretical model of the nonlinear resonant interaction of whistler-mode waves and field-aligned electrons. <i>Physics of Plasmas</i> , 2021, 28, .	0.7	21
152	Characteristics of Electron Microburst Precipitation Based on High-Resolution ELFIN Measurements. <i>Journal of Geophysical Research: Space Physics</i> , 2022, 127, .	0.8	21
153	Energy Transport by Whistler Waves Around Dipolarizing Flux Bundles. <i>Geophysical Research Letters</i> , 2019, 46, 11718-11727.	1.5	20
154	Electrostatic Solitary Waves in the Earth's Bow Shock: Nature, Properties, Lifetimes, and Origin. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2021JA029357.	0.8	20
155	Ion dynamics in magnetotail reconnection in the presence of density asymmetry. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 2010-2023.	0.8	19
156	Transitional regime of electron resonant interaction with whistler-mode waves in inhomogeneous space plasma. <i>Physical Review E</i> , 2021, 104, 055203.	0.8	19
157	Ducted Chorus Waves Cause Sub-Relativistic and Relativistic Electron Microbursts. <i>Geophysical Research Letters</i> , 2022, 49, .	1.5	19
158	Relativistic Electron Precipitation Driven by Nonlinear Resonance With Whistler-Mode Waves. <i>Journal of Geophysical Research: Space Physics</i> , 2022, 127, .	0.8	19
159	Acceleration of ions in the Jupiter magnetotail: Particle resonant interaction with dipolarization fronts. <i>Planetary and Space Science</i> , 2013, 82-83, 134-148.	0.9	18
160	Electron currents supporting the near-Earth magnetotail during current sheet thinning. <i>Geophysical Research Letters</i> , 2017, 44, 5-11.	1.5	18
161	Near-Earth Solar Wind: Plasma Characteristics From ARTEMIS Measurements. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 9955-9962.	0.8	18
162	Dynamics of Intense Currents in the Solar Wind. <i>Astrophysical Journal</i> , 2018, 859, 95.	1.6	18

#	ARTICLE	IF	CITATIONS
163	EMIC Wave-Driven Bounce Resonance Scattering of Energetic Electrons in the Inner Magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 2484-2496.	0.8	18
164	Effects of Cross-Sheet Density and Temperature Inhomogeneities on Magnetotail Reconnection. <i>Geophysical Research Letters</i> , 2019, 46, 28-36.	1.5	18
165	Unraveling the Formation Mechanism for the Bursts of Electron Butterfly Distributions: Test Particle and Quasilinear Simulations. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL090749.	1.5	18
166	On Whistler Mode Wave Relation to Electron Field-Aligned Plateau Populations. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA027735.	0.8	18
167	Precipitation of MeV and Sub-MeV Electrons Due to Combined Effects of EMIC and ULF Waves. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 7923-7935.	0.8	17
168	Mapping for nonlinear electron interaction with whistler-mode waves. <i>Physics of Plasmas</i> , 2020, 27, .	0.7	17
169	Kinetic Models of Tangential Discontinuities in the Solar Wind. <i>Astrophysical Journal</i> , 2020, 891, 86.	1.6	17
170	Localized Heating of the Martian Topside Ionosphere Through the Combined Effects of Magnetic Pumping by Large-Scale Magnetosonic Waves and Pitch Angle Diffusion by Whistler Waves. <i>Geophysical Research Letters</i> , 2020, 47, e2019GL086408.	1.5	17
171	Global and local processes of thin current sheet formation during substorm growth phase. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2021, 220, 105671.	0.6	17
172	Role of Ducting in Relativistic Electron Loss by Whistler-Mode Wave Scattering. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2021JA029851.	0.8	17
173	Amplitude Dependence of Nonlinear Precipitation Blocking of Relativistic Electrons by Large Amplitude EMIC Waves. <i>Geophysical Research Letters</i> , 2022, 49, .	1.5	17
174	Adiabatic description of capture into resonance and surfatron acceleration of charged particles by electromagnetic waves. <i>Chaos</i> , 2010, 20, 043128.	1.0	16
175	Equatorial electron loss by double resonance with oblique and parallel intense chorus waves. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 4498-4517.	0.8	16
176	Ultralow Frequency Waves Deep Inside the Inner Magnetosphere Driven by Dipolarizing Flux Bundles. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 10,112.	0.8	16
177	Lifetimes of Relativistic Electrons as Determined From Plasmaspheric Hiss Scattering Rates Statistics: Effects of ω_{pe}/ω_{ce} and Wave Frequency Dependence on Geomagnetic Activity. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL088052.	1.5	16
178	Electron Microbursts Induced by Nonducted Chorus Waves. <i>Frontiers in Astronomy and Space Sciences</i> , 2021, 8, .	1.1	16
179	Dependence of Nonlinear Effects on Whistler-Mode Wave Bandwidth and Amplitude: A Perspective From Diffusion Coefficients. <i>Journal of Geophysical Research: Space Physics</i> , 2022, 127, .	0.8	16
180	Statistics of intense dawn-dusk currents in the Earth's magnetotail. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 3804-3820.	0.8	15

#	ARTICLE	IF	CITATIONS
181	Formation of sub-ion scale filamentary force-free structures in the vicinity of reconnection region. <i>Plasma Physics and Controlled Fusion</i> , 2016, 58, 054002.	0.9	15
182	Effects of electron pressure anisotropy on current sheet configuration. <i>Physics of Plasmas</i> , 2016, 23, .	0.7	15
183	Near-Earth plasma sheet boundary dynamics during substorm dipolarization. <i>Earth, Planets and Space</i> , 2017, 69, 129.	0.9	15
184	Kinetic equation for nonlinear wave-particle interaction: Solution properties and asymptotic dynamics. <i>Physica D: Nonlinear Phenomena</i> , 2019, 393, 1-8.	1.3	15
185	Outer Radiation Belt Electron Lifetime Model Based on Combined Van Allen Probes and Cluster VLF Measurements. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2020JA028018.	0.8	15
186	Preferential acceleration of heavy ions in the reconnection outflow region. <i>Astronomy and Astrophysics</i> , 2014, 562, A58.	2.1	14
187	Rapid geometrical chaotization in slow-fast Hamiltonian systems. <i>Physical Review E</i> , 2014, 89, 060902.	0.8	14
188	Kinetic models of magnetic flux ropes observed in the Earth magnetosphere. <i>Physics of Plasmas</i> , 2016, 23, .	0.7	14
189	Magnetotail Reconnection. <i>Astrophysics and Space Science Library</i> , 2016, , 277-313.	1.0	14
190	Hot Ion Flows in the Distant Magnetotail: ARTEMIS Observations From Lunar Orbit to $\sim 4 \times 10^4 R_E$. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 9898-9909.	0.8	14
191	Potential Evidence of Low-Energy Electron Scattering and Ionospheric Precipitation by Time Domain Structures. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL089138.	1.5	14
192	Configuration of the Earth's Magnetotail Current Sheet. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL092153.	1.5	14
193	Kinetic-scale Current Sheets in the Solar Wind at 1 au: Scale-dependent Properties and Critical Current Density. <i>Astrophysical Journal Letters</i> , 2022, 926, L19.	3.0	14
194	Nonlinear dynamics of charged particles in an oblique electromagnetic wave. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2011, 375, 3075-3079.	0.9	13
195	Spatial spreading of magnetospherically reflected chorus elements in the inner magnetosphere. <i>Annales Geophysicae</i> , 2013, 31, 1429-1435.	0.6	13
196	Current sheets with inhomogeneous plasma temperature: Effects of polarization electric field and 2D solutions. <i>Physics of Plasmas</i> , 2015, 22, .	0.7	13
197	Statistics of Extreme Time-Integrated Geomagnetic Activity. <i>Geophysical Research Letters</i> , 2018, 45, 502-510.	1.5	13
198	Plasma Anisotropies and Currents in the Near-Earth Plasma Sheet and Inner Magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 5625-5639.	0.8	13

#	ARTICLE	IF	CITATIONS
199	Modulation of Whistler Waves by Ultra-Low-Frequency Perturbations: The Importance of Magnetopause Location. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2020JA028334.	0.8	13
200	Self-consistent kinetic model of nested electron- and ion-scale magnetic cavities in space plasmas. <i>Nature Communications</i> , 2020, 11, 5616.	5.8	13
201	On the Nature of Intense Sub-Relativistic Electron Precipitation. <i>Journal of Geophysical Research: Space Physics</i> , 2022, 127, .	0.8	13
202	Double power-law spectra of energetic electrons in the Earth magnetotail. <i>Annales Geophysicae</i> , 2013, 31, 91-106.	0.6	12
203	Two-dimensional configuration of the magnetotail current sheet: THEMIS observations. <i>Geophysical Research Letters</i> , 2015, 42, 3662-3667.	1.5	12
204	Role of lower hybrid waves in ion heating at dipolarization fronts. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 5092-5104.	0.8	12
205	Decay of Ultrarelativistic Remnant Belt Electrons Through Scattering by Plasmaspheric Hiss. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 5222-5233.	0.8	12
206	Global View of Current Sheet Thinning: Plasma Pressure Gradients and Large-Scale Currents. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 264-278.	0.8	12
207	Ionosphere Feedback to Electron Scattering by Equatorial Whistler Mode Waves. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2020JA028373.	0.8	12
208	Contribution of Anisotropic Electron Current to the Magnetotail Current Sheet as a Function of Location and Plasma Conditions. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA027251.	0.8	12
209	Dependence of Relativistic Electron Precipitation in the Ionosphere on EMIC Wave Minimum Resonant Energy at the Conjugate Equator. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2021JA029193.	0.8	12
210	Generation of High-frequency Whistler Waves in the Earth's Quasi-perpendicular Bow Shock. <i>Astrophysical Journal Letters</i> , 2021, 919, L17.	3.0	12
211	Jumps of adiabatic invariant at the separatrix of a degenerate saddle point. <i>Chaos</i> , 2011, 21, 043120.	1.0	11
212	Resonant acceleration of charged particles in the presence of random fluctuations. <i>Physical Review E</i> , 2011, 84, 046213.	0.8	11
213	Formation of the high-energy ion population in the earth's magnetotail: spacecraft observations and theoretical models. <i>Annales Geophysicae</i> , 2014, 32, 1233-1246.	0.6	11
214	Intense Cross-Tail Field-Aligned Currents in the Plasma Sheet at Lunar Distances. <i>Geophysical Research Letters</i> , 2018, 45, 4610-4617.	1.5	11
215	Ion Anisotropy in Earth's Magnetotail Current Sheet: Multicomponent Ion Population. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 3454-3467.	0.8	11
216	Energetic Electron Acceleration by Ion-scale Magnetic Islands in Turbulent Magnetic Reconnection: Particle-in-cell Simulations and ARTEMIS Observations. <i>Astrophysical Journal</i> , 2020, 896, 105.	1.6	11

#	ARTICLE	IF	CITATIONS
217	Solar Wind Discontinuity Transformation at the Bow Shock. <i>Astrophysical Journal</i> , 2021, 913, 142.	1.6	11
218	Spacecraft Observations and Theoretical Understanding of Slow Electron Holes. <i>Physical Review Letters</i> , 2021, 127, 165101.	2.9	11
219	On the Role of Whistler-Mode Waves in Electron Interaction With Dipolarizing Flux Bundles. <i>Journal of Geophysical Research: Space Physics</i> , 2022, 127, .	0.8	11
220	Ion-Acoustic Waves in a Quasi-Perpendicular Earth's Bow Shock. <i>Geophysical Research Letters</i> , 2022, 49, .	1.5	11
221	Field-aligned chorus wave spectral power in Earth's outer radiation belt. <i>Annales Geophysicae</i> , 2015, 33, 583-597.	0.6	10
222	Kinetic models of sub-ion cylindrical magnetic hole. <i>Physics of Plasmas</i> , 2016, 23, .	0.7	10
223	Nonlinear Landau resonance with localized wave pulses. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 5519-5527.	0.8	10
224	Transverse eV ion heating by random electric field fluctuations in the plasmasphere. <i>Physics of Plasmas</i> , 2017, 24, .	0.7	10
225	Evolution of electron phase space holes in inhomogeneous plasmas. <i>Physics of Plasmas</i> , 2017, 24, .	0.7	10
226	Juno Observations of Heavy Ion Energization During Transient Dipolarizations in Jupiter Magnetotail. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2020JA027933.	0.8	10
227	An Event Study of Simultaneous Earthward and Tailward Reconnection Exhaust Flows in the Earth's Midtail. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA027406.	0.8	10
228	On application of stochastic differential equations for simulation of nonlinear wave-particle resonant interactions. <i>Physics of Plasmas</i> , 2021, 28, .	0.7	10
229	Propagation of Ultralow-Frequency Waves from the Ion Foreshock into the Magnetosphere During the Passage of a Magnetic Cloud. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA028474.	0.8	10
230	Particle-in-cell Simulations of Secondary Magnetic Islands: Ion-scale Flux Ropes and Plasmoids. <i>Astrophysical Journal</i> , 2020, 900, 145.	1.6	10
231	Kinetic-scale Current Sheets in the Solar Wind at 1 au: Properties and the Necessary Condition for Reconnection. <i>Astrophysical Journal Letters</i> , 2021, 923, L19.	3.0	10
232	Formation of a quasi-one-dimensional current sheet in the laboratory experiment and in the Earth's magnetotail. <i>Plasma Physics Reports</i> , 2015, 41, 71-87.	0.3	9
233	The ion temperature gradient: An intrinsic property of Earth's magnetotail. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 8295-8309.	0.8	9
234	Field-Aligned Currents Originating From the Magnetic Reconnection Region: Conjugate MMS-ARTEMIS Observations. <i>Geophysical Research Letters</i> , 2018, 45, 5836-5844.	1.5	9

#	ARTICLE	IF	CITATIONS
235	Solar wind transient currents: statistical properties and impact on Earth's magnetosphere. Solar Physics, 2020, 295, 1.	1.0	9
236	Ionospheric Outflow During the Substorm Growth Phase: THEMIS Observations of Oxygen Ions at the Plasma Sheet Boundary. Journal of Geophysical Research: Space Physics, 2020, 125, e2019JA027612.	0.8	9
237	A Map for Systems with Resonant Trappings and Scatterings. Regular and Chaotic Dynamics, 2020, 25, 2-10.	0.3	9
238	On the Confinement of Ultrarelativistic Electron Remnant Belts to Low Shells. Journal of Geophysical Research: Space Physics, 2020, 125, e2019JA027469.	0.8	9
239	Beam-Driven Electron Cyclotron Harmonic Waves in Earth's Magnetotail. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028743.	0.8	9
240	Chorus and Hiss Scales in the Inner Magnetosphere: Statistics From High-Resolution Filter Bank (FBK) Van Allen Probes Multi-Point Measurements. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028998.	0.8	9
241	Realistic Electron Diffusion Rates and Lifetimes Due to Scattering by Electron Holes. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029380.	0.8	9
242	Energetic Electron Precipitation Driven by the Combined Effect of ULF, EMIC, and Whistler Waves. Journal of Geophysical Research: Space Physics, 2022, 127, .	0.8	9
243	Multisatellite Observations of Ion Holes in the Earth's Plasma Sheet. Geophysical Research Letters, 2022, 49, .	1.5	9
244	Equations of Motion Near Cyclotron Resonance. Frontiers in Astronomy and Space Sciences, 0, 9, .	1.1	9
245	Current Sheet in a non-Maxwellian collisionless plasma: Self-consistent theory, simulation, and comparison with spacecraft observations. Plasma Physics Reports, 2010, 36, 841-858.	0.3	8
246	Regular and chaotic charged particle dynamics in low frequency waves and role of separatrix crossings. Regular and Chaotic Dynamics, 2010, 15, 564-574.	0.3	8
247	Cyclotron resonance in plasma flow. Physics of Plasmas, 2013, 20, .	0.7	8
248	Resonant ion acceleration by plasma jets: Effects of jet breaking and the magnetic-field curvature. Physical Review E, 2015, 91, 053104.	0.8	8
249	Electron Cooling and Isotropization during Magnetotail Current Sheet Thinning: Implications for Parallel Electric Fields. Journal of Geophysical Research: Space Physics, 2017, 122, 11,389.	0.8	8
250	Thermodynamics of the Magnetotail Current Sheet Thinning. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028969.	0.8	8
251	Magnetosphere-Ionosphere Coupling of Precipitated Electrons in Diffuse Aurora Driven by Time Domain Structures. Geophysical Research Letters, 2021, 48, e2021GL092655.	1.5	8
252	Magnetotail Dipolarizations and Ion Flux Variations During the Main Phase of Magnetic Storms. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028470.	0.8	8

#	ARTICLE	IF	CITATIONS
253	Conjugate Observation of Magnetospheric Chorus Propagating to the Ionosphere by Ducting. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL095933.	1.5	8
254	Spaceâ€Ground Observations of Dynamics of Substorm Onset Beads. <i>Journal of Geophysical Research: Space Physics</i> , 2022, 127, .	0.8	8
255	Electron Resonant Interaction With Whistler Waves Around Foreshock Transients and the Bow Shock Behind the Terminator. <i>Journal of Geophysical Research: Space Physics</i> , 2022, 127, .	0.8	8
256	Charged-particle acceleration in braking plasma jets. <i>Physical Review E</i> , 2014, 89, 033108.	0.8	7
257	Earthward electric field and its reversal in the nearâ€Earth current sheet. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 10,803.	0.8	7
258	Evolution of electron phase space holes in inhomogeneous magnetic fields. <i>Geophysical Research Letters</i> , 2017, 44, 2105-2112.	1.5	7
259	Resonance controlled transport in phase space. <i>Physica D: Nonlinear Phenomena</i> , 2018, 364, 22-26.	1.3	7
260	Spatial Scales and Plasma Properties of the Distant Magnetopause: Evidence for Selective Ion and Electron Transport. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 5027-5041.	0.8	7
261	Plasma Sheet Boundary Layer in Jupiter's Magnetodisk as Observed by Juno. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2020JA027957.	0.8	7
262	Kinetic-scale Current Sheets in Near-Sun Solar Wind: Properties, Scale-dependent Features and Reconnection Onset. <i>Astrophysical Journal</i> , 2022, 929, 58.	1.6	7
263	Jump of the adiabatic invariant at a separatrix crossing: Degenerate cases. <i>Physica D: Nonlinear Phenomena</i> , 2012, 241, 566-573.	1.3	6
264	Ion motion in a polarized current sheet. <i>Physics of Plasmas</i> , 2017, 24, 012908.	0.7	6
265	Properties of the Equatorial Magnetotail Flanks $\hat{v}_{450}^{200} R_{E} _E$ Downtail. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 11,917.	0.8	6
266	Two-dimensional self-similar plasma equilibria. <i>Physics of Plasmas</i> , 2018, 25, .	0.7	6
267	Hall Effect in Laboratory and Space Current Sheets. <i>Plasma Physics Reports</i> , 2018, 44, 1126-1134.	0.3	6
268	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
269	Comparison of the Flank Magnetopause at Nearâ€Earth and Lunar Distances: MMS and ARTEMIS Observations. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2020JA028406.	0.8	6
270	Magnetic reconnection in a charged, electron-dominant current sheet. <i>Physics of Plasmas</i> , 2020, 27, .	0.7	6

#	ARTICLE	IF	CITATIONS
271	Superfast ion scattering by solar wind discontinuities. <i>Physical Review E</i> , 2020, 102, 033201.	0.8	6
272	Solar Wind Discontinuity Interaction with the Bow Shock: Current Density Growth and Dawn-Dusk Asymmetry. <i>Solar Physics</i> , 2021, 296, 1.	1.0	6
273	Fast Inverse Transform Sampling of Non-Gaussian Distribution Functions in Space Plasmas. <i>Journal of Geophysical Research: Space Physics</i> , 2022, 127, .	0.8	6
274	Stability of relativistic surfatron acceleration. <i>Physical Review E</i> , 2014, 89, 043106.	0.8	5
275	Intermediate regime of charged particle scattering in the field-reversal configuration. <i>Chaos</i> , 2015, 25, 123118.	1.0	5
276	Highly Oblique Lower-Band Chorus Statistics: Dependencies of Wave Power on Refractive Index and Geomagnetic Activity. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 4767-4784.	0.8	5
277	In-situ and optical observations of sub-ion magnetic holes. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2020, 208, 105365.	0.6	5
278	Ion Nongyrotropy in Solar Wind Discontinuities. <i>Astrophysical Journal Letters</i> , 2020, 889, L23.	3.0	5
279	Charged particle scattering in dipolarized magnetotail. <i>Physics of Plasmas</i> , 2021, 28, 102901.	0.7	5
280	Superposed Epoch Analyses of Electron-Driven and Proton-Driven Magnetic Dips. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL094934.	1.5	5
281	Electrodynamic Contributions to the Hall- and Parallel Electric Fields in Collisionless Magnetic Reconnection. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2021JA029550.	0.8	5
282	Comparative Study of Electric Currents and Energetic Particle Fluxes in a Solar Flare and Earth Magnetospheric Substorm. <i>Astrophysical Journal</i> , 2021, 923, 151.	1.6	5
283	Hot Plasma Effects on Electron Resonant Scattering by Electromagnetic Ion Cyclotron Waves. <i>Geophysical Research Letters</i> , 2022, 49, .	1.5	5
284	Superthin current sheets supported by anisotropic electrons. <i>Physics of Plasmas</i> , 2020, 27, 082904.	0.7	4
285	Helical Magnetic Cavities: Kinetic Model and Comparison With MMS Observations. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL092383.	1.5	4
286	Beam-driven ECH waves: A parametric study. <i>Physics of Plasmas</i> , 2021, 28, .	0.7	4
287	Configuration of Magnetotail Current Sheet Prior to Magnetic Reconnection Onset. <i>Geophysical Research Letters</i> , 2022, 49, .	1.5	4
288	Upper limit of electron fluxes generated by kinetic Alfvén waves in Maxwellian plasma. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 8361-8373.	0.8	3

#	ARTICLE	IF	CITATIONS
289	Electron Flux Enhancements at $L = 4.2$ Observed by Global Positioning System Satellites: Relationship With Solar Wind and Geomagnetic Activity. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 6189-6206.	0.8	3
290	On the Origin of Perpendicular Ion Anisotropy Inside Dipolarizing Flux Bundles. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 4009-4021.	0.8	3
291	A model of the current sheet in the Earth's magnetotail. <i>Physics of Plasmas</i> , 2020, 27, .	0.7	3
292	Dynamical Properties of Peak and Time-Integrated Geomagnetic Events Inferred From Sample Entropy. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA027599.	0.8	3
293	Electron magnetosonic waves and sub-ion magnetic holes in the magnetotail plasma. <i>Physics of Plasmas</i> , 2022, 29, .	0.7	3
294	Marginal stability of whistler-mode waves in plasma with multiple electron populations. <i>Physics of Plasmas</i> , 2022, 29, .	0.7	3
295	Approximate analytical formulation of radial diffusion and whistler-induced losses from a preexisting flux peak in the plasmasphere. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 7191-7208.	0.8	2
296	Effective collisions in weakly magnetized collisionless plasma: importance of Pitaevski's effect for magnetic reconnection. <i>Journal of Plasma Physics</i> , 2016, 82, .	0.7	2
297	Generation of discrete structures in phase-space via charged particle trapping by an electrostatic wave. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2017, 51, 133-140.	1.7	2
298	Relationship between electron field-aligned anisotropy and dawn-dusk magnetic field: Nine years of Cluster observations in the Earth magnetotail. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 9294-9305.	0.8	2
299	Three dimensional analytical model of dipolarizing flux bundles. <i>Physics of Plasmas</i> , 2018, 25, .	0.7	2
300	Remarkable charged particle dynamics near magnetic field null lines. <i>Chaos</i> , 2019, 29, 051104.	1.0	2
301	Hamiltonian in Guiding Center Theory: A Symplectic Structure Approach. <i>Proceedings of the Steklov Institute of Mathematics</i> , 2020, 310, 214-219.	0.1	2
302	Kinetic-scale Flux Ropes: Observations and Applications of Kinetic Equilibrium Models. <i>Astrophysical Journal</i> , 2022, 926, 208.	1.6	2
303	3D Magnetic Holes in Collisionless Plasmas. <i>Plasma Physics Reports</i> , 2018, 44, 729-737.	0.3	1
304	The dynamics of electron holes in current sheets. <i>Physics of Plasmas</i> , 2021, 28, 012902.	0.7	1
305	Stability of the magnetotail current sheet with normal magnetic field and field-aligned plasma flows. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2021JA029711.	0.8	1
306	Evolution of Thermal Electron Distributions in the Magnetotail: Convective Heating and Scattering-Induced Losses. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, .	0.8	1

#	ARTICLE	IF	CITATIONS
307	Properties of Storm-Time Magnetic Flux Transport. Journal of Geophysical Research: Space Physics, 2022, 127, .	0.8	1
308	Wavelength Measurements of Electron Cyclotron Harmonic Waves in Earth's Magnetotail. Journal of Geophysical Research: Space Physics, 2022, 127, .	0.8	1
309	Nonlinear resonances generate large-scale convection cells in phase space. Physical Review E, 2019, 99, 020201.	0.8	0
310	Short Chorus Packets in Radiation Belts: Statistics and Role in Energetic Electron Acceleration. , 2021, , .		0
311	Possibility of Oxygen Ion Fluxes Forming a Current Sheet in the Near-Earth Magnetotail. Bulletin of the Russian Academy of Sciences: Physics, 2022, 86, 243-248.	0.1	0