

List of Publications by Year in Descending Order

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

195
papers

3,355
citations

31
h-index

45
g-index

211
ext. papers

4,062
ext. citations

3.7
avg, IF

5.48
L-index

#	Paper	IF	Citations
195	Physical Regimes of Two-dimensional MHD Turbulent Reconnection in Different Lundquist Numbers. <i>Astrophysical Journal</i> , 2022 , 926, 97	4.7	0
194	Fine Structures of the Electron Current Sheet in Magnetotail Guide-Field Reconnection. <i>Geophysical Research Letters</i> , 2022 , 49,	4.9	1
193	Electron Acceleration by Moderate-Mach-number Low- β Shocks: Particle-in-Cell Simulations. <i>Astrophysical Journal</i> , 2022 , 930, 155	4.7	
192	Electron-Only Reconnection as a Transition From Quiet Current Sheet to Standard Reconnection in Earth's Magnetotail: Particle-In-Cell Simulation and Application to MMS Data. <i>Geophysical Research Letters</i> , 2022 , 49,	4.9	0
191	The Correlation Between Whistler Mode Waves and Electron Beam-Like Distribution: Test Particle Simulations and THEMIS Observations. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2021JA029834	2.6	34
190	Particle-in-cell simulations of asymmetric reconnection driven by laser-powered capacitor coils. <i>Plasma Physics and Controlled Fusion</i> , 2021 , 63, 015010	2	0
189	The Evolution of Collisionless Magnetic Reconnection from Electron Scales to Ion Scales. <i>Astrophysical Journal</i> , 2021 , 922, 51	4.7	0
188	Large-Scale Parallel Electric Field Colocated in an Extended Electron Diffusion Region During the Magnetosheath Magnetic Reconnection. <i>Geophysical Research Letters</i> , 2021 , 48, e2021GL094879	4.9	1
187	Propagation of Electromagnetic Ion Cyclotron Waves in a Dipole Magnetic Field: A 2-D Hybrid Simulation. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2021JA029720	2.6	
186	Modulation of Magnetosonic Waves by Background Plasma Density in a Dipole Magnetic Field: 2-D PIC Simulation. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2021JA029729	2.6	0
185	Formation of Pancake, Rolling Pin, and Cigar Distributions of Energetic Electrons at the Dipolarization Fronts (DFs) Driven by Magnetic Reconnection: A Two-Dimensional Particle-In-Cell Simulation. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2021JA029939	2.6	2
184	Three-Dimensional Global Hybrid Simulations of High Latitude Magnetopause Reconnection and Flux Ropes During the Northward IMF. <i>Geophysical Research Letters</i> , 2021 , 48, e2021GL095003	4.9	0
183	Whistler-Mode Waves Trapped by Density Irregularities in the Earth's Magnetosphere. <i>Geophysical Research Letters</i> , 2021 , 48, e2020GL092305	4.9	11
182	Observational Evidence for Whistler Mode Waves Guided/Ducted by the Inner and Outer Edges of the Plasmapause. <i>Geophysical Research Letters</i> , 2021 , 48, e2021GL092652	4.9	5
181	Energy Dissipation via Magnetic Reconnection Within the Coherent Structures of the Magnetosheath Turbulence. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2020JA028860	2.6	1
180	In Situ Observations of Whistler-Mode Chorus Waves Guided by Density Ducts. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2020JA028814	2.6	10
179	Re-Reconnection Processes of Magnetopause Flux Ropes: Three-Dimensional Global Hybrid Simulations. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2021JA029388	2.6	2

178	Energization of cold ions by electromagnetic ion cyclotron waves: Magnetospheric multiscale (MMS) observations. <i>Physics of Plasmas</i> , 2021 , 28, 072901	2.1	1
177	Gap Formation Around 0.5 β of Whistler-Mode Waves Excited by Electron Temperature Anisotropy. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2020JA028631	2.6	8
176	Structure and Coalescence of Magnetopause Flux Ropes and Their Dependence on IMF Clock Angle: Three-Dimensional Global Hybrid Simulations. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2020JA028670	2.6	4
175	MMS Observations of Broadband Electrostatic Waves in Electron Diffusion Region of Magnetotail Reconnection. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2020JA028882	2.6	2
174	Low-frequency Waves Upstream of Quasi-parallel Shocks: Two-dimensional Hybrid Simulations. <i>Astrophysical Journal</i> , 2021 , 915, 64	4.7	0
173	Particle-In-Cell Simulations of Electrostatic Solitary Waves in Asymmetric Magnetic Reconnection. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2021JA029290	2.6	2
172	Upper-Hybrid Waves Driven by Meandering Electrons Around Magnetic Reconnection X Line. <i>Geophysical Research Letters</i> , 2021 , 48, e2021GL093164	4.9	3
171	Repetitive Emissions of Rising-Tone Chorus Waves in the Inner Magnetosphere. <i>Geophysical Research Letters</i> , 2021 , 48, e2021GL094979	4.9	3
170	Two-dimensional Particle-in-cell Simulation of Magnetic Reconnection in the Downstream of a Quasi-perpendicular Shock. <i>Astrophysical Journal</i> , 2021 , 919, 28	4.7	2
169	Simultaneous Observation of Whistler Waves and Electron Cyclotron Harmonic Waves in the Separatrix Region of Magnetopause Reconnection. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2021JA029609	2.6	2
168	Energy Budgets From Collisionless Magnetic Reconnection Site to Reconnection Front. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2021JA029712	2.6	6
167	Nonlinear Wave-Wave Coupling Related to Whistler-mode and Electron Bernstein Waves Observed by the Parker Solar Probe. <i>Astrophysical Journal</i> , 2021 , 918, 26	4.7	2
166	Annihilation of Magnetic Islands at the Top of Solar Flare Loops. <i>Astrophysical Journal</i> , 2021 , 923, 227	4.7	1
165	Scaling of Magnetic Reconnection With a Limited X-Line Extent. <i>Geophysical Research Letters</i> , 2020 , 47, e2020GL088147	4.9	6
164	Physical Implication of Two Types of Reconnection Electron Diffusion Regions With and Without Ion-Coupling in the Magnetotail Current Sheet. <i>Geophysical Research Letters</i> , 2020 , 47, e2020GL088761	4.9	4
163	Particle-in-Cell Simulations of Characteristics of Rising-Tone Chorus Waves in the Inner Magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2020JA027961	2.6	1
162	Observation of the Tailward Electron Flows Commonly Detected at the Flow Boundary of the Earthward Ion Bursty Bulk Flows in the Magnetotail. <i>Astrophysical Journal</i> , 2020 , 891, 175	4.7	1
161	Spontaneous Onset of Collisionless Magnetic Reconnection on an Electron Scale. <i>Astrophysical Journal Letters</i> , 2020 , 890, L15	7.9	3

160	In Situ Observations of the Formation of Periodic Collisionless Plasma Shocks from Fast Mode Waves. <i>Astrophysical Journal Letters</i> , 2020 , 888, L17	7.9	5
159	Turbulence-Driven Magnetic Reconnection in the Magnetosheath Downstream of a Quasi-Parallel Shock: A Three-Dimensional Global Hybrid Simulation. <i>Geophysical Research Letters</i> , 2020 , 47, e2019GL085661	4.9	9
158	PIC Simulations of Microinstabilities and Waves at Near-Sun Solar Wind Perpendicular Shocks: Predictions for Parker Solar Probe and Solar Orbiter. <i>Astrophysical Journal Letters</i> , 2020 , 900, L24	7.9	3
157	Observational Evidence for Fast Mode Periodic Small-scale Shocks: A New Type of Plasma Phenomenon. <i>Astrophysical Journal Letters</i> , 2020 , 905, L4	7.9	3
156	Two-band whistler-mode waves excited by an electron bi-Maxwellian distribution plus parallel beams. <i>AIP Advances</i> , 2020 , 10, 125010	1.5	2
155	Generation of harmonic Alfvén waves and its implications to heavy ion heating in the solar corona: Hybrid simulations. <i>Physics of Plasmas</i> , 2020 , 27, 012901	2.1	6
154	Lower-Band Monochromatic Chorus Riser Subelement/Wave Packet Observations. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2020JA028090	2.6	12
153	Magnetotail reconnection onset caused by electron kinetics with a strong external driver. <i>Nature Communications</i> , 2020 , 11, 5049	17.4	37
152	Statistical Evidence for EMIC Wave Excitation Driven by Substorm Injection and Enhanced Solar Wind Pressure in the Earth's Magnetosphere: Two Different EMIC Wave Sources. <i>Geophysical Research Letters</i> , 2020 , 47, e2020GL090275	4.9	9
151	Direct evidence of secondary reconnection inside filamentary currents of magnetic flux ropes during magnetic reconnection. <i>Nature Communications</i> , 2020 , 11, 3964	17.4	11
150	Analyzing EMIC Waves in the Inner Magnetosphere Using Long-Term Van Allen Probes Observations. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 7402-7412	2.6	13
149	Role of magnetic field curvature in magnetohydrodynamic turbulence. <i>Physics of Plasmas</i> , 2019 , 26, 072306	3.0	12
148	Study of a magnetically driven reconnection platform using ultrafast proton radiography. <i>Physics of Plasmas</i> , 2019 , 26, 062113	2.1	5
147	A Parametric Study of the Structure of Hall Magnetic Field Based on Kinetic Simulations. I. Anti-parallel Magnetic Reconnection in an Asymmetric Current Sheet. <i>Astrophysical Journal</i> , 2019 , 877, 155	4.7	5
146	Two-Dimensional gcPIC Simulation of Rising-Tone Chorus Waves in a Dipole Magnetic Field. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 4157-4167	2.6	31
145	Anisotropic Electron Distributions and Whistler Waves in a Series of the Flux Transfer Events at the Magnetopause. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 1753-1769	2.6	13
144	The Effects of Thermal Electrons on Whistler Mode Waves Excited by Anisotropic Hot Electrons: Linear Theory and 2-D PIC Simulations. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 5234-5245	2.6	4
143	Observation of spontaneous decay of Alfvénic fluctuations into co- and counter-propagating magnetosonic waves in a laboratory plasma. <i>Physics of Plasmas</i> , 2019 , 26, 032105	2.1	3

142	Dissipation and reformation of thermal fronts in solar flares. <i>Astrophysics and Space Science</i> , 2019 , 364, 1	1.6	4
141	Statistical Results of the Power Gap Between Lower-Band and Upper-Band Chorus Waves. <i>Geophysical Research Letters</i> , 2019 , 46, 4098-4105	4.9	17
140	Saturation Properties of Whistler Wave Instability in a Plasma With Two Electron Components. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 5121-5128	2.6	2
139	Electron acceleration and formation of power-law spectra of energetic electrons during the merging process of multiple magnetic islands: particle-in-cell simulations. <i>Astrophysics and Space Science</i> , 2019 , 364, 1	1.6	
138	Nonideal Electric Field Observed in the Separatrix Region of a Magnetotail Reconnection Event. <i>Geophysical Research Letters</i> , 2019 , 46, 10744-10753	4.9	8
137	Unraveling the Correlation Between Chorus Wave and Electron Beam-Like Distribution in the Earth's Magnetosphere. <i>Geophysical Research Letters</i> , 2019 , 46, 11671-11678	4.9	12
136	A Parametric Study of the Structure of Hall Magnetic Field Based on Kinetic Simulations. II. Asymmetric Magnetic Reconnection with a Guide Field. <i>Astrophysical Journal</i> , 2019 , 882, 126	4.7	1
135	1-D particle-in-cell simulations of electron acoustic solitary structures in an electron beam-plasma. <i>AIP Advances</i> , 2019 , 9, 025029	1.5	2
134	Observation of Nongyrotropic Electron Distribution Across the Electron Diffusion Region in the Magnetotail Reconnection. <i>Geophysical Research Letters</i> , 2019 , 46, 14263-14273	4.9	10
133	Expansion of Solar Coronal Hot Electrons in an Inhomogeneous Magnetic Field: 1D PIC Simulation. <i>Astrophysical Journal</i> , 2019 , 887, 96	4.7	3
132	An Electron-Scale Current Sheet Without Bursty Reconnection Signatures Observed in the Near-Earth Tail. <i>Geophysical Research Letters</i> , 2018 , 45, 4542-4549	4.9	31
131	Impact of Shock Front Rippling and Self-reformation on the Electron Dynamics at Low-Mach-number Shocks. <i>Astrophysical Journal</i> , 2018 , 857, 36	4.7	10
130	Nonlinear Evolution of Counter-Propagating Whistler Mode Waves Excited by Anisotropic Electrons Within the Equatorial Source Region: 1-D PIC Simulations. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 1200-1207	2.6	6
129	The Quasi-monochromatic ULF Wave Boundary in the Venusian Foreshock: Venus Express Observations. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 374-384	2.6	4
128	Electron acceleration behind a wavy dipolarization front. <i>Astrophysics and Space Science</i> , 2018 , 363, 1	1.6	3
127	Quadrupolar and hexapolar Hall magnetic field during asymmetric magnetic reconnection without a guide field. <i>Physics of Plasmas</i> , 2018 , 25, 062120	2.1	5
126	Statistical Results of Multiband Chorus by Using THEMIS Waveform Data. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 5506-5515	2.6	7
125	Parametric decay of oblique whistler waves in the Earth's magnetosphere: 2-D PIC simulations. <i>Physics of Plasmas</i> , 2018 , 25, 072901	2.1	3

124	Particle-in-cell simulations of magnetically driven reconnection using laser-powered capacitor coils. <i>Physics of Plasmas</i> , 2018 , 25, 052104	2.1	5
123	Generation of Lower Harmonic Magnetosonic Waves Through Nonlinear Wave-Wave Interactions. <i>Geophysical Research Letters</i> , 2018 , 45, 8029-8034	4.9	10
122	In Situ Observations of Harmonic Alfvén Waves and Associated Heavy Ion Heating. <i>Astrophysical Journal</i> , 2018 , 859, 120	4.7	17
121	Intense Cross-Tail Field-Aligned Currents in the Plasma Sheet at Lunar Distances. <i>Geophysical Research Letters</i> , 2018 , 45, 4610-4617	4.9	7
120	A statistical study of the spatial distribution and source-region size of chorus waves using Van Allen Probes data. <i>Annales Geophysicae</i> , 2018 , 36, 867-878	2	13
119	Two-Dimensional Particle-in-Cell Simulation of Magnetosonic Wave Excitation in a Dipole Magnetic Field. <i>Geophysical Research Letters</i> , 2018 , 45, 8712-8720	4.9	10
118	Formation of power law spectra of energetic electrons during multiple X line magnetic reconnection with a guide field. <i>Physics of Plasmas</i> , 2018 , 25, 072126	2.1	22
117	Theoretical analysis on lower band cascade as a mechanism for multiband chorus in the Earth's magnetosphere. <i>AIP Advances</i> , 2018 , 8, 055003	1.5	6
116	Two-dimensional Hybrid Simulations of Filamentary Structures and Kinetic Slow Waves Downstream of a Quasi-parallel Shock. <i>Astrophysical Journal</i> , 2018 , 861, 57	4.7	4
115	Parametric decay of a parallel propagating monochromatic whistler wave: Particle-in-cell simulations. <i>Physics of Plasmas</i> , 2017 , 24, 012108	2.1	12
114	Development of Turbulent Magnetic Reconnection in a Magnetic Island. <i>Astrophysical Journal</i> , 2017 , 835, 245	4.7	9
113	Generation of Multiband Chorus in the Earth's Magnetosphere: 1-D PIC Simulation. <i>Geophysical Research Letters</i> , 2017 , 44, 618-624	4.9	37
112	Formation of high-speed electron jets as the evidence for magnetic reconnection in laser-produced plasma. <i>Physics of Plasmas</i> , 2017 , 24, 041406	2.1	9
111	Spectral properties and associated plasma energization by magnetosonic waves in the Earth's magnetosphere: Particle-in-cell simulations. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 5377-5390	2.6	28
110	First report of resonant interactions between whistler mode waves in the Earth's magnetosphere. <i>Geophysical Research Letters</i> , 2017 , 44, 5269-5275	4.9	19
109	Electron acceleration in a secondary magnetic island formed during magnetic reconnection with a guide field. <i>Physics of Plasmas</i> , 2017 , 24, 052113	2.1	17
108	Reformation of rippled quasi-parallel shocks: 2-D hybrid simulations. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 6385-6396	2.6	22
107	A generalized AZ-non-Maxwellian velocity distribution function for space plasmas. <i>Physics of Plasmas</i> , 2017 , 24, 033702	2.1	16

106	Magnetic field annihilation and reconnection driven by femtosecond lasers in inhomogeneous plasma. <i>Science China: Physics, Mechanics and Astronomy</i> , 2017 , 60, 1	3.6	3
105	Lower Band Cascade of Whistler Waves Excited by Anisotropic Hot Electrons: One-Dimensional PIC Simulations. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 10,448-10,457	2.6	14
104	Interaction of Magnetic Flux Ropes Via Magnetic Reconnection Observed at the Magnetopause. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 10,436-10,447	2.6	21
103	Formation of electron energy spectra during magnetic reconnection in laser-produced plasma. <i>Physics of Plasmas</i> , 2017 , 24, 102101	2.1	8
102	The influence of multi-ion streaming on the variation of dust particle surface potential with Maxwellian/non-Maxwellian dusty plasmas. <i>Physics of Plasmas</i> , 2017 , 24, 083702	2.1	2
101	Generation of rising-tone chorus in a two-dimensional mirror field by using the general curvilinear PIC code. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 8154-8165	2.6	32
100	Quasilinear analysis of saturation properties of broadband whistler mode waves. <i>Geophysical Research Letters</i> , 2017 , 44, 8122-8129	4.9	22
99	Modeling radiation belt dynamics using a 3-D layer method code. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 8642-8658	2.6	7
98	Electron-Scale Quadrants of the Hall Magnetic Field Observed by the Magnetospheric Multiscale spacecraft during Asymmetric Reconnection. <i>Physical Review Letters</i> , 2017 , 118, 175101	7.4	42
97	Electrostatic and electromagnetic fluctuations detected inside magnetic flux ropes during magnetic reconnection. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 9473-9482	2.6	9
96	GLOBAL EXPLICIT PARTICLE-IN-CELL SIMULATIONS OF THE NONSTATIONARY BOW SHOCK AND MAGNETOSPHERE. <i>Astrophysical Journal, Supplement Series</i> , 2016 , 225, 13	8	10
95	Coalescence of magnetic flux ropes observed in the tailward high-speed flows. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 10,898-10,909	2.6	11
94	THE MECHANISMS OF ELECTRON ACCELERATION DURING MULTIPLE X LINE MAGNETIC RECONNECTION WITH A GUIDE FIELD. <i>Astrophysical Journal</i> , 2016 , 821, 84	4.7	45
93	He ²⁺ -HEATING VIA PARAMETRIC INSTABILITIES OF PARALLEL PROPAGATING ALFVÉN WAVES WITH AN INCOHERENT SPECTRUM. <i>Astrophysical Journal</i> , 2016 , 827, 64	4.7	4
92	Coalescence of magnetic flux ropes in the ion diffusion region of magnetic reconnection. <i>Nature Physics</i> , 2016 , 12, 263-267	16.2	85
91	A parametric study for the generation of ion Bernstein modes from a discrete spectrum to a continuous one in the inner magnetosphere. I. Linear theory. <i>Physics of Plasmas</i> , 2016 , 23, 022901	2.1	18
90	A parametric study for the generation of ion Bernstein modes from a discrete spectrum to a continuous one in the inner magnetosphere. II. Particle-in-cell simulations. <i>Physics of Plasmas</i> , 2016 , 23, 022902	2.1	24
89	Generation of multiband chorus by lower band cascade in the Earth's magnetosphere. <i>Geophysical Research Letters</i> , 2016 , 43, 2343-2350	4.9	50

88	Hall effect control of magnetotail dawn-dusk asymmetry: A three-dimensional global hybrid simulation. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 11,882-11,895	2.6	37
87	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	2.6	24
86	The structures of magnetic islands formed during collisionless magnetic reconnections in a force-free current sheet. <i>Physics of Plasmas</i> , 2016 , 23, 112106	2.1	6
85	Formation of downstream high-speed jets by a rippled nonstationary quasi-parallel shock: 2-D hybrid simulations. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 2080-2094	2.6	25
84	ION DYNAMICS AT A RIPPLED QUASI-PARALLEL SHOCK: 2D HYBRID SIMULATIONS. <i>Astrophysical Journal</i> , 2016 , 823, 7	4.7	21
83	Generation of magnetosonic waves over a continuous spectrum. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 1137-1147	2.6	30
82	Characteristics of quasi-monochromatic ULF waves in the Venusian foreshock. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 7385-7397	2.6	12
81	On the current density reduction ahead of dipolarization fronts. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 4269-4278	2.6	19
80	Current sheet flapping motions in the tailward flow of magnetic reconnection. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 7817-7827	2.6	8
79	A statistical analysis of Pi2-band waves in the plasma sheet and their relation to magnetospheric drivers. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 6167-6175	2.6	17
78	Evolution of flux ropes in the magnetotail: A three-dimensional global hybrid simulation. <i>Physics of Plasmas</i> , 2015 , 22, 052901	2.1	13
77	The shape of the Venusian bow shock at solar minimum and maximum: Revisit based on VEX observations. <i>Planetary and Space Science</i> , 2015 , 109-110, 32-37	2	17
76	IMPACT OF PICKUP IONS ON THE SHOCK FRONT NONSTATIONARITY AND ENERGY DISSIPATION OF THE HELIOSPHERIC TERMINATION SHOCK: TWO-DIMENSIONAL FULL PARTICLE SIMULATIONS AND COMPARISON WITH VOYAGER 2 OBSERVATIONS. <i>Astrophysical Journal</i> , 2015 , 809, 28	4.7	20
75	THE ROLE OF LARGE AMPLITUDE UPSTREAM LOW-FREQUENCY WAVES IN THE GENERATION OF SUPER-THERMAL IONS AT A QUASI-PARALLEL COLLISIONLESS SHOCK: CLUSTER OBSERVATIONS. <i>Astrophysical Journal</i> , 2015 , 808, 2	4.7	9
74	Two-stage acceleration of interstellar ions driven by high-energy lepton plasma flows. <i>Science China: Physics, Mechanics and Astronomy</i> , 2015 , 58, 1	3.6	4
73	Dipolarization fronts as earthward propagating flux ropes: A three-dimensional global hybrid simulation. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 6286-6300	2.6	55
72	The evolution of the ion diffusion region during collisionless magnetic reconnection in a force-free current sheet. <i>Physics of Plasmas</i> , 2015 , 22, 092110	2.1	7
71	Magnetic islands formed due to the Kelvin-Helmholtz instability in the outflow region of collisionless magnetic reconnection. <i>Geophysical Research Letters</i> , 2015 , 42, 7282-7286	4.9	30

70	The effect of different solar wind parameters upon significant relativistic electron flux dropouts in the magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 4324-4337	2.6	33
69	In situ observations of multistage electron acceleration driven by magnetic reconnection. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 6320-6331	2.6	23
68	Electron acceleration in the dipolarization front driven by magnetic reconnection. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 1759-1765	2.6	42
67	ION DYNAMICS DURING THE PARAMETRIC INSTABILITIES OF A LEFT-HAND POLARIZED ALFVÉN WAVE IN A PROTON-ELECTRON-ALPHA PLASMA. <i>Astrophysical Journal</i> , 2014 , 780, 56	4.7	13
66	Observation of double layer in the separatrix region during magnetic reconnection. <i>Geophysical Research Letters</i> , 2014 , 41, 4851-4858	4.9	38
65	Dissipation of an electron phase-space hole and its consequence on electron heating. <i>Astrophysics and Space Science</i> , 2014 , 352, 565-570	1.6	2
64	Effects of magnetic field configuration on the day-night asymmetry of chorus occurrence rate: A numerical study. <i>Geophysical Research Letters</i> , 2014 , 41, 6577-6582	4.9	25
63	Statistical results describing the bandwidth and coherence coefficient of whistler mode waves using THEMIS waveform data. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 8992-9003	2.6	30
62	Characteristics of electron holes generated in the separatrix region during antiparallel magnetic reconnection. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 6445-6454	2.6	14
61	In situ observation of magnetic reconnection in the front of bursty bulk flow. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 9952-9961	2.6	10
60	New evidence for generation mechanisms of discrete and hiss-like whistler mode waves. <i>Geophysical Research Letters</i> , 2014 , 41, 4805-4811	4.9	46
59	Transmission of large-amplitude ULF waves through a quasi-parallel shock at Venus. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 237-245	2.6	21
58	The effect of a guide field on the structures of magnetic islands formed during multiple X line reconnections: Two-dimensional particle-in-cell simulations. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 798-807	2.6	16
57	He ²⁺ dynamics and ion cyclotron waves in the downstream of quasi-perpendicular shocks: 2-D hybrid simulations. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 3225-3236	2.6	15
56	Investigation of storm time magnetotail and ion injection using three-dimensional global hybrid simulation. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 7413-7432	2.6	60
55	Formation of electron kappa distributions due to interactions with parallel propagating whistler waves. <i>Physics of Plasmas</i> , 2014 , 21, 022901	2.1	9
54	Formation of super-Alfvénic electron jets during laser-driven magnetic reconnection at the Shenguang-II facility: particle-in-cell simulations. <i>New Journal of Physics</i> , 2014 , 16, 083021	2.9	14
53	Comparison between magnetic coplanarity and MVA methods in determining the normal of Venusian bow shock. <i>Science Bulletin</i> , 2013 , 58, 2469-2472		2

52	The transfer between electron bulk kinetic energy and thermal energy in collisionless magnetic reconnection. <i>Physics of Plasmas</i> , 2013 , 20, 061203	2.1	27
51	Out-of-plane electron currents in magnetic islands formed during collisionless magnetic reconnection. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 991-996	2.6	9
50	A statistical study of electron acceleration behind the dipolarization fronts in the magnetotail. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 4804-4810	2.6	56
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