

Andrei Runov

List of Publications by Year in Descending Order

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Version: 2023-06-03

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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.

358
papers

20,078
citations

68
h-index

127
g-index

368
ext. papers

22,209
ext. citations

4.2
avg, IF

6.84
L-index

#	Paper	IF	Citations
358	Space-Ground Observations of Dynamics of Substorm Onset Beads. <i>Journal of Geophysical Research: Space Physics</i> , 2022 , 127,	2.5	2
357	Ion distribution functions in magnetotail reconnection: global hybrid-Vlasov simulation results. <i>Annales Geophysicae</i> , 2021 , 39, 599-612	1.9	1
356	Configuration of the Earth's Magnetotail Current Sheet. <i>Geophysical Research Letters</i> , 2021 , 48, e2020GL028153,	4.2	153
355	Superthermal Proton and Electron Fluxes in the Plasma Sheet Transition Region and Their Dependence on Solar Wind Parameters. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2020JA028380	2.5	380
354	Magnetotail Processes. <i>Geophysical Monograph Series</i> , 2021 , 243-275	1.1	
353	Magnetotail Dipolarizations and Ion Flux Variations During the Main Phase of Magnetic Storms. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2020JA028470	2.5	1
352	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	2.5	3
351	Comparative Study of Electric Currents and Energetic Particle Fluxes in a Solar Flare and Earth Magnetospheric Substorm. <i>Astrophysical Journal</i> , 2021 , 923, 151	4.7	0
350	Electrodynamic Contributions to the Hall- and Parallel Electric Fields in Collisionless Magnetic Reconnection. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2021JA029550	2.5	0
349	Role of Ducting in Relativistic Electron Loss by Whistler-Mode Wave Scattering. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2021JA029851	2.5	0
348	Comparison of the Flank Magnetopause at Near-Earth and Lunar Distances: MMS and ARTEMIS Observations. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2020JA028406	2.5	1
347	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	2.5	4
346	Magnetic reconnection in a charged, electron-dominant current sheet. <i>Physics of Plasmas</i> , 2020 , 27, 102902	2.0	3
345	Magnetotail reconnection onset caused by electron kinetics with a strong external driver. <i>Nature Communications</i> , 2020 , 11, 5049	16.9	27
344	Superfast ion scattering by solar wind discontinuities. <i>Physical Review E</i> , 2020 , 102, 033201	2.4	3
343	Potential Evidence of Low-Energy Electron Scattering and Ionospheric Precipitation by Time Domain Structures. <i>Geophysical Research Letters</i> , 2020 , 47, e2020GL089138	4.8	5
342	Ionosphere Feedback to Electron Scattering by Equatorial Whistler Mode Waves. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2020JA028373	2.5	5

341	Ionospheric Outflow During the Substorm Growth Phase: THEMIS Observations of Oxygen Ions at the Plasma Sheet Boundary. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2019JA027612	2.5	4
340	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	4.7	4
339	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, e2019JA027231	2.5	7
338	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	2.5	5
337	Extreme Magnetosphere-Ionosphere-Thermosphere Responses to the 5 April 2010 Supersubstorm. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2019JA027654	2.5	7
336	AME: A Cross-Scale Constellation of CubeSats to Explore Magnetic Reconnection in the Solar-Terrestrial Relation. <i>Frontiers in Physics</i> , 2020 , 8,	3.8	3
335	Relative contributions of large-scale and wedgelet currents in the substorm current wedge. <i>Earth, Planets and Space</i> , 2020 , 72, 106	2.7	4
334	Particle-in-cell Simulations of Secondary Magnetic Islands: Ion-scale Flux Ropes and Plasmoids. <i>Astrophysical Journal</i> , 2020 , 900, 145	4.7	8
333	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	2.5	10
332	The Hall Electric Field in Earth's Magnetotail Thin Current Sheet. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 1052-1062	2.5	16
331	Explosive Magnetotail Activity. <i>Space Science Reviews</i> , 2019 , 215, 31	7.4	41
330	Kinetic Properties of Solar Wind Discontinuities at 1 AU Observed by ARTEMIS. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 3858-3870	2.5	11
329	On the Origin of Perpendicular Ion Anisotropy Inside Dipolarizing Flux Bundles. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 4009-4021	2.5	2
328	Ion Anisotropy in Earth's Magnetotail Current Sheet: Multicomponent Ion Population. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 3454-3467	2.5	6
327	Particle Beams in the Vicinity of Magnetic Separatrix According to Near-Lunar ARTEMIS Observations. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 1883-1903	2.5	1
326	Characteristics of the Flank Magnetopause: THEMIS Observations. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 3421-3435	2.5	13
325	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	2.5	18
324	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	2.5	2

323	Energy Transport by Whistler Waves Around Dipolarizing Flux Bundles. <i>Geophysical Research Letters</i> , 2019 , 46, 11718-11727	4.8	10
322	On the Contribution of Dipolarizing Flux Bundles to the Substorm Current Wedge and to Flux and Energy Transport. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 5408-5420	2.5	14
321	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	2.5	6
320	The Space Physics Environment Data Analysis System (SPEDAS). <i>Space Science Reviews</i> , 2019 , 215, 9	7.4	175
319	On the Kinetic Nature of Solar Wind Discontinuities. <i>Geophysical Research Letters</i> , 2019 , 46, 1185-1194	4.8	14
318	Effects of Cross-Sheet Density and Temperature Inhomogeneities on Magnetotail Reconnection. <i>Geophysical Research Letters</i> , 2019 , 46, 28-36	4.8	13
317	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	2.5	19
316	Nonlinear Electrostatic Steepening of Whistler Waves: The Guiding Factors and Dynamics in Inhomogeneous Systems. <i>Geophysical Research Letters</i> , 2018 , 45, 2168-2176	4.8	18
315	A Case Study of Connection Between Ground Magnetic Field Perturbations and Tail Current Sheet Bursty Flows at ~ -60 . <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 1822-1833	2.5	9
314	Pulsating aurora from electron scattering by chorus waves. <i>Nature</i> , 2018 , 554, 337-340	47.5	93
313	Magnetic reconnection in Earth's magnetotail: Energy conversion and its earthward/eastward asymmetry. <i>Physics of Plasmas</i> , 2018 , 25, 012905	2	13
312	On the Acceleration and Anisotropy of Ions Within Magnetotail Dipolarizing Flux Bundles. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 429-442	2.5	23
311	Comment on Pulsating Auroras Produced by Interactions of Electrons and Time Domain Structures by Mozer Et Al.. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 2064-2070	2.5	11
310	Near-Earth Reconnection Ejecta at Lunar Distances. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 2736-2744	2.5	13
309	Magnetotail Fast Flow Occurrence Rate and Dawn-Dusk Asymmetry at $X \sim -60$ R. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 1767-1778	2.5	15
308	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	2.5	19
307	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	2.5	9
306	The Current System of Dipolarizing Flux Bundles and Their Role as Wedgelets in the Substorm Current Wedge. <i>Geophysical Monograph Series</i> , 2018 , 323-337	1.1	5

305	Intense Cross-Tail Field-Aligned Currents in the Plasma Sheet at Lunar Distances. <i>Geophysical Research Letters</i> , 2018 , 45, 4610-4617	4.8	5
304	Field-Aligned Currents Originating From the Magnetic Reconnection Region: Conjugate MMS-ARTEMIS Observations. <i>Geophysical Research Letters</i> , 2018 , 45, 5836-5844	4.8	7
303	Near-Earth Solar Wind: Plasma Characteristics From ARTEMIS Measurements. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 9955	2.5	13
302	A Case Study of Near-Earth Magnetotail Conditions at Substorm and Pseudosubstorm Onsets. <i>Geophysical Research Letters</i> , 2018 , 45, 6353-6361	4.8	4
301	Whistler and Electron Firehose Instability Control of Electron Distributions in and Around Dipolarizing Flux Bundles. <i>Geophysical Research Letters</i> , 2018 , 45, 9380-9389	4.8	25
300	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	2.5	35
299	Magnetotail Configuration During a Steady Convection Event as Observed by Low-Altitude and Magnetospheric Spacecraft. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 8390-8406	2.5	1
298	Evolution of Electron Distribution Driven by Nonlinear Resonances With Intense Field-Aligned Chorus Waves. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 8149-8169	2.5	23
297	Hot Ion Flows in the Distant Magnetotail: ARTEMIS Observations From Lunar Orbit to ~200 RE. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 9898-9909	2.5	6
296	THEMIS multispacecraft observations of a reconnecting magnetosheath current sheet with symmetric boundary conditions and a large guide field. <i>Geophysical Research Letters</i> , 2017 , 44, 7598-7606	4.8	11
295	The ion temperature gradient: An intrinsic property of Earth's magnetotail. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 8295-8309	2.5	8
294	Ion velocity distributions in dipolarization events: Distributions in the central plasma sheet. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 8014-8025	2.5	25
293	Electron Cooling and Isotropization during Magnetotail Current Sheet Thinning: Implications for Parallel Electric Fields. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 11,389-11,401	2.5	7
292	Properties of the Equatorial Magnetotail Flanks ~50-200 RE Downtail. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 11,917-11,930	2.5	4
291	Characteristics of high-latitude precursor flows ahead of dipolarization fronts. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 5307-5320	2.5	4
290	Extensive electron transport and energization via multiple, localized dipolarizing flux bundles. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 5059-5076	2.5	37
289	Influence of Auroral Streamers on Rapid Evolution of Ionospheric SAPS Flows. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 12,406	2.5	22
288	Ion velocity distributions in dipolarization events: Beams in the vicinity of the plasma sheet boundary. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 8026-8036	2.5	8

287	Extremely field-aligned cool electrons in the dayside outer magnetosphere. <i>Geophysical Research Letters</i> , 2017 , 44, 44-51	4.8	7
286	Ion motion in a polarized current sheet. <i>Physics of Plasmas</i> , 2017 , 24, 012908	2	6
285	The interaction of finite-width reconnection exhaust jets with a dipolar magnetic field configuration. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 3183-3200	2.5	21
284	Ion dynamics in magnetotail reconnection in the presence of density asymmetry. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 2010-2023	2.5	17
283	Characteristics of ion distribution functions in dipolarizing flux bundles: Event studies. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 5965-5978	2.5	25
282	Waves in the innermost open boundary layer formed by dayside magnetopause reconnection. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 3291-3307	2.5	8
281	Mars's magnetotail: Nature's current sheet laboratory. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 5404-5417	2.5	12
280	Off-equatorial current-driven instabilities ahead of approaching dipolarization fronts. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 5247-5260	2.5	4
279	Role of lower hybrid waves in ion heating at dipolarization fronts. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 5092-5104	2.5	9
278	Ion density and temperature profiles along (XGSM) and across (ZGSM) the magnetotail as observed by THEMIS, Geotail, and ARTEMIS. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 1590-1599	2.5	16
277	Electron currents supporting the near-Earth magnetotail during current sheet thinning. <i>Geophysical Research Letters</i> , 2017 , 44, 5-11	4.8	14
276	Cross-scale observations of the 2015 St. Patrick's day storm: THEMIS, Van Allen Probes, and TWINS. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 368-392	2.5	19
275	Premidnight Preponderance of Dispersionless Ion and Electron Injections. <i>Geophysical Monograph Series</i> , 2017 , 171-185	1.1	4
274	Multipoint Observations of Energetic Particle Injections and Substorm Activity During a Conjunction Between Magnetospheric Multiscale (MMS) and Van Allen Probes. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 11,481-11,504	2.5	20
273	Ultralow Frequency Waves Deep Inside the Inner Magnetosphere Driven by Dipolarizing Flux Bundles. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 10,112-10,128	2.5	9
272	Monosov Satellite Space Observatory to Study Extreme Phenomena in Space. <i>Space Science Reviews</i> , 2017 , 212, 1705-1738	7.4	16
271	Dawn-Dusk Asymmetries in the Auroral Particle Precipitation and Their Modulations by Substorms. <i>Geophysical Monograph Series</i> , 2017 , 255-272	1.1	1
270	Physical mechanism causing rapid changes in ultrarelativistic electron pitch angle distributions right after a shock arrival: Evaluation of an electron dropout event. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 8300-8316	2.5	14

269	Magnetotail energy dissipation during an auroral substorm. <i>Nature Physics</i> , 2016 , 12, 1158-1163	16	12
268	ARTEMIS observations of terrestrial ionospheric molecular ion outflow at the Moon. <i>Geophysical Research Letters</i> , 2016 , 43, 6749-6758	4.8	18
267	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	4.8	31
266	Evolution of partial ring current ion pitch angle distributions during the main phase of a storm on 17 March 2015. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 5284-5293	2.5	7
265	Understanding the ion distributions near the boundaries of reconnection outflow region. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 9400-9410	2.5	5
264	Relativistic Electrons Produced by Foreshock Disturbances Observed Upstream of Earth's Bow Shock. <i>Physical Review Letters</i> , 2016 , 117, 215101	7.3	34
263	Effects of electron pressure anisotropy on current sheet configuration. <i>Physics of Plasmas</i> , 2016 , 23, 092901	2	11
262	Storm time current distribution in the inner equatorial magnetosphere: THEMIS observations. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 5250-5259	2.5	11
261	Contribution of ion reflection to the energy budgets of dipolarization fronts. <i>Geophysical Research Letters</i> , 2016 , 43, 493-500	4.8	14
260	Radiation belt electron acceleration during the 17 March 2015 geomagnetic storm: Observations and simulations. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 5520-5536	2.5	52
259	Simulation of energy-dependent electron diffusion processes in the Earth's outer radiation belt. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 4217-4231	2.5	31
258	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	2.5	34
257	Properties of current sheet thinning at $x \sim 10$ to 12 RE. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 6718-6731	2.5	24
256	Evidence of kinetic Alfvén eigenmode in the near-Earth magnetotail during substorm expansion phase. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 4316-4330	2.5	22
255	Solar wind-driven variations of electron plasma sheet densities and temperatures beyond geostationary orbit during storm times. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 8343-8360	2.5	13
254	Earthward electric field and its reversal in the near-Earth current sheet. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 10,803-10,812	2.5	5
253	Characteristic energy range of electron scattering due to plasmaspheric hiss. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 11,737	2.5	33
252	Dipolarizing flux bundles in the cis-geosynchronous magnetosphere: Relationship between electric fields and energetic particle injections. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 1362-1376	2.5	42

251	A unified approach to inner magnetospheric state prediction. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 2423-2430	2.5	26
250	The role of localized inductive electric fields in electron injections around dipolarizing flux bundles. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 9560-9585	2.5	69
249	Direct evidence for EMIC wave scattering of relativistic electrons in space. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 6620-6631	2.5	41
248	On the current density reduction ahead of dipolarization fronts. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 4269-4278	2.5	19
247	Suprathermal particle energization in dipolarization fronts: Particle-in-cell simulations. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 9483-9500	2.5	56
246	On the radial force balance in the quiet time magnetotail current sheet. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 4017-4026	2.5	21
245	Distribution of Region 1 and 2 currents in the quiet and substorm time plasma sheet from THEMIS observations. <i>Geophysical Research Letters</i> , 2016 , 43, 7813-7821	4.8	6
244	Average thermodynamic and spectral properties of plasma in and around dipolarizing flux bundles. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 4369-4383	2.5	83
243	On the generation of magnetic dips ahead of advancing dipolarization fronts. <i>Geophysical Research Letters</i> , 2015 , 42, 4256-4262	4.8	27
242	First evidence for chorus at a large geocentric distance as a source of plasmaspheric hiss: Coordinated THEMIS and Van Allen Probes observation. <i>Geophysical Research Letters</i> , 2015 , 42, 241-248	4.8	37
241	Space weather conditions during the Galaxy 15 spacecraft anomaly. <i>Space Weather</i> , 2015 , 13, 484-502	3.6	19
240	On a possible connection between the longitudinally propagating near-Earth plasma sheet and auroral arc waves: A reexamination. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 432-444	2.5	5
239	Modeling inward diffusion and slow decay of energetic electrons in the Earth's outer radiation belt. <i>Geophysical Research Letters</i> , 2015 , 42, 987-995	4.8	58
238	Energetic electron injections deep into the inner magnetosphere associated with substorm activity. <i>Geophysical Research Letters</i> , 2015 , 42, 2079-2087	4.8	84
237	Substorm current wedge composition by wedgelets. <i>Geophysical Research Letters</i> , 2015 , 42, 1669-1676	4.8	45
236	Cross-tail expansion of dipolarizing flux bundles. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 2516-2530	2.5	23
235	Acceleration of ions by electric field pulses in the inner magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 4628-4640	2.5	17
234	Ion beams in the plasma sheet boundary layer. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 7522-7535	2.5	15

233	Large-amplitude electric fields associated with bursty bulk flow braking in the Earth's plasma sheet. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 1832-1844	2.5	67
232	Ion acceleration and reflection on magnetotail antidipolarization fronts. <i>Geophysical Research Letters</i> , 2015 , 42, 9166-9175	4.8	9
231	Energetic ions in dipolarization events. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 7698-7717	4.7	36
230	First observation of rising-tone magnetosonic waves. <i>Geophysical Research Letters</i> , 2014 , 41, 7419-7426	4.8	53
229	Three-dimensional lunar wake reconstructed from ARTEMIS data. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 5220-5243	2.5	44
228	The quasi-electrostatic mode of chorus waves and electron nonlinear acceleration. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 1606-1626	2.5	51
227	Testing a two-loop pattern of the substorm current wedge (SCW2L). <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 947-963	2.5	43
226	Diamagnetic oscillations ahead of stopped dipolarization fronts. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 1643-1657	2.5	26
225	Magnetic flux transport by dipolarizing flux bundles. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 909-926	2.5	109
224	Stopping flow bursts and their role in the generation of the substorm current wedge. <i>Geophysical Research Letters</i> , 2014 , 41, 1106-1112	4.8	30
223	Azimuthal extent and properties of midtail plasmoids from two-point ARTEMIS observations at the Earth-Moon Lagrange points. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 1781-1796	2.5	16
222	Statistical characteristics of particle injections throughout the equatorial magnetotail. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 2512-2535	2.5	130
221	Quantified energy dissipation rates in the terrestrial bow shock: 2. Waves and dissipation. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 6475-6495	2.5	55
220	Quantified energy dissipation rates in the terrestrial bow shock: 1. Analysis techniques and methodology. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 6455-6474	2.5	41
219	Lunar dayside current in the terrestrial lobe: ARTEMIS observations. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 3381-3391	2.5	8
218	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	2.5	29
217	Ion bulk heating in magnetic reconnection exhausts at Earth's magnetopause: Dependence on the inflow Alfvén speed and magnetic shear angle. <i>Geophysical Research Letters</i> , 2014 , 41, 7002-7010	4.8	55
216	Coordinated SuperDARN THEMIS ASI observations of mesoscale flow bursts associated with auroral streamers. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 142-150	2.5	43

215	On the origin of pressure and magnetic perturbations ahead of dipolarization fronts. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 211-220	2.5	48
214	Whistler-mode waves inside flux pileup region: Structured or unstructured?. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 9089-9100	2.5	88
213	Asymmetric braking and dawnward deflection of dipolarization fronts: Effects of ion reflection. <i>Geophysical Research Letters</i> , 2014 , 41, 6994-7001	4.8	17
212	On an energy-latitude dispersion pattern of ion precipitation potentially associated with magnetospheric EMIC waves. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 8137-8160	2.5	23
211	Energetic electrons in dipolarization events: Spatial properties and anisotropy. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 3604-3616	2.5	61
210	Period and damping factor of Pi2 pulsations during oscillatory flow braking in the magnetotail. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 4512-4520	2.5	17
209	On the increasing oscillation period of flows at the tailward retreating flux pileup region during dipolarization. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 6603-6611	2.5	10
208	On the fine structure of dipolarization fronts. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 6367-6385	2.5	21
207	Antidipolarization fronts observed by ARTEMIS. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 7181-7198	2.5	20
206	Observations of plasma waves in the colliding jet region of a magnetic flux rope flanked by two active X lines at the subsolar magnetopause. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 6256-6272	2.5	26
205	Electromagnetic energy conversion at reconnection fronts. <i>Science</i> , 2013 , 341, 1478-82	32.2	188
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