Dave G Sibeck

List of Publications by Year in Descending Order

263 papers	8,832 citations	44 h-index	84 g-index
272 ext. papers	9,748 ext. citations	3.6 avg, IF	5.96 L-index

#	Paper	IF	Citations
263	Solitary Magnetic Structures Developed From Gyro-Resonance With Solar Wind Ions at Mars and Earth. *Geophysical Research Letters*, **2022**, 49,	4.9	0
262	Neutral Densities in the Outer Exosphere Near the Subsolar Magnetopause. *Geophysical Research Letters*, **2021**, 48, e2021GL093383	4.9	0
261	Multi-Parameter Chorus and Plasmaspheric Hiss Wave Models. *Journal of Geophysical Research: Space Physics*, **2021**, 126, e2020JA028403	2.6	2
260	Soft X-ray and ENA Imaging of the Earth's Dayside Magnetosphere. *Journal of Geophysical Research: Space Physics*, **2021**, 126, e2020JA028816	2.6	5
259	Magnetosphere□Ionosphere Coupling of Precipitating Electrons and Ionospheric Conductance. *Geophysical Monograph Series*, **2021**, 229-242	1.1	3
258	Large-Scale Structure and Dynamics of the Magnetosphere. *Geophysical Monograph Series*, **2021**, 15-36	1.1	0
257	Radiation Belt Response to Fast Reverse Shock at Geosynchronous Orbit. *Astrophysical Journal*, **2021**, 910, 154	4.7	0
256	The Cusp Plasma Imaging Detector (CuPID) CubeSat Observatory: Mission Overview. *Journal of Geophysical Research: Space Physics*, **2021**, 126, e2020JA029015	2.6	1
255	Ion Acceleration by Foreshock Bubbles. *Journal of Geophysical Research: Space Physics*, **2021**, 126, e2020JA028924	2.6	2
254	Foreshock Cavities: Direct Transmission Through the Bow Shock. *Journal of Geophysical Research: Space Physics*, **2021**, 126, e2021JA029201	2.6	3
253	Microscale Processes Determining Macroscale Evolution of Magnetic Flux Tubes along Earth□ Magnetopause. *Astrophysical Journal*, **2021**, 914, 26	4.7	1
252	Comparison of MMS Observations of Foreshock Bubbles With a Global Hybrid Simulation. *Journal of Geophysical Research: Space Physics*, **2021**, 126, e2020JA028848	2.6	1
251	Dynamic Mechanisms Associated With High-Energy Electron Flux Dropout in the Earth's Outer Radiation Belt Under the Influence of a Coronal Mass Ejection Sheath Region. *Journal of Geophysical Research: Space Physics*, **2021**, 126,	2.6	2
250	Evolution of Pitch Angle Distributions of Relativistic Electrons During Geomagnetic Storms: Van Allen Probes Observations. *Journal of Geophysical Research: Space Physics*, **2021**, 126, e2020JA028335	2.6	0
249	High-Energy Electron Flux Enhancement Pattern in the Outer Radiation Belt in Response to the Alfv□ic Fluctuations Within High-Speed Solar Wind Stream: A Statistical Analysis. *Journal of Geophysical Research: Space Physics*, **2021**, 126, e2021JA029363	2.6	4
248	Is the Relation Between the Solar Wind Dynamic Pressure and the Magnetopause Standoff Distance so Straightforward?. *Geophysical Research Letters*, **2020**, 47, e2019GL086474	4.9	8
247	A Framework for Understanding and Quantifying the Loss and Acceleration of Relativistic Electrons in the Outer Radiation Belt During Geomagnetic Storms. *Space Weather*, **2020**, 18, e2020SW002477	3.7	5

246	Transient Phenomena at the Magnetopause and Bow Shock and Their Ground Signatures. *Geophysical Monograph Series*, **2020**, 11-37	1.1	6
245	Characteristics of Minor Ions and Electrons in Flux Transfer Events Observed by the Magnetospheric Multiscale Mission. *Journal of Geophysical Research: Space Physics*, **2020**, 125, e2020JA027778	2.6	6
244	Multi-Point Observations of the Geospace Plume. *Geophysical Monograph Series*, **2020**, 243-264	1.1	2
243	An Examination of the Magnetopause Position and Shape Based Upon New Observations. *Geophysical Monograph Series*, **2020**, 135-151	1.1	5
242	Radial Response of Outer Radiation Belt Relativistic Electrons During Enhancement Events at Geostationary Orbit. *Journal of Geophysical Research: Space Physics*, **2020**, 125, e2019JA027660	2.6	1
241	Characteristics of Escaping Magnetospheric Ions Associated With Magnetic Field Fluctuations. *Journal of Geophysical Research: Space Physics*, **2020**, 125, e2019JA027337	2.6	0
240	Foreshock Bubbles at Venus: Hybrid Simulations and VEX Observations. *Journal of Geophysical Research: Space Physics*, **2020**, 125, e2019JA027056	2.6	8
239	Magnetic Reconnection Inside a Flux Rope Induced by Kelvin-Helmholtz Vortices. *Journal of Geophysical Research: Space Physics*, **2020**, 125, e2019JA027665	2.6	9
238	Multipoint observations of compressional Pc5 pulsations in the dayside magnetosphere and corresponding particle signatures. *Annales Geophysicae*, **2020**, 38, 1267-1281	2	1
237	Sequential Observations of Flux Transfer Events, Poleward-Moving Auroral Forms, and Polar Cap Patches. *Journal of Geophysical Research: Space Physics*, **2020**, 125, e2019JA027674	2.6	3
236	Association Between EMIC Wave Occurrence and Enhanced Convection Periods During Ion Injections. *Geophysical Research Letters*, **2020**, 47, e2019GL085676	4.9	7
235	Flux Transfer Event With an Electron-Scale Substructure Observed by the Magnetospheric Multiscale Mission. *Journal of Geophysical Research: Space Physics*, **2020**, 125, e2019JA027308	2.6	0
234	Foreshock Cavities at Venus and Mars. *Journal of Geophysical Research: Space Physics*, **2020**, 125, e2020JA028023	2.6	4
233	Electromagnetic Ion Cyclotron Waves Pattern Recognition Based on a Deep Learning Technique: Bag-of-Features Algorithm Applied to Spectrograms. *Astrophysical Journal, Supplement Series*, **2020**, 249, 13	8	
232	A K-Means Clustering Analysis of the Jovian and Terrestrial Magnetopauses: A Technique to Classify Global Magnetospheric Behavior. *Journal of Geophysical Research E: Planets*, **2020**, 125, e2019JE006366	4.1	1
231	Inner Magnetospheric ULF Waves: The Occurrence and Distribution of Broadband and Discrete Wave Activity. *Journal of Geophysical Research: Space Physics*, **2020**, 125, e2020JA027887	2.6	2
230	Dayside Auroral Observation Resulting From a Rapid Localized Compression of the Earth's Magnetic Field. *Geophysical Research Letters*, **2020**, 47, e2020GL088995	4.9	0
229	Formation and Topology of Foreshock Bubbles. *Journal of Geophysical Research: Space Physics*, **2020**, 125, e2020JA028058	2.6	14

228	Current Status of Inner Magnetosphere and Radiation Belt Modeling. *Geophysical Monograph Series*, **2020**, 231-242	1.1	1
227	Structure and Dynamics of the Magnetosheath. *Geophysical Monograph Series*, **2020**, 117-133	1.1	1
226	The Formation of Electron Heat Flux Over the Sunlit Quiet Polar Cap Ionosphere. *Geophysical Research Letters*, **2019**, 46, 10201-10208	4.9	5
225	Properties of Magnetic Reconnection and FTEs on the Dayside Magnetopause With and Without Positive IMF Bx Component During Southward IMF. *Journal of Geophysical Research: Space Physics*, **2019**, 124, 4037-4048	2.6	20
224	Contribution of ULF Wave Activity to the Global Recovery of the Outer Radiation Belt During the Passage of a High-Speed Solar Wind Stream Observed in September 2014. *Journal of Geophysical Research: Space Physics*, **2019**, 124, 1660-1678	2.6	9
223	Low Energy Precipitating Electrons in the Diffuse Aurorae. *Geophysical Research Letters*, **2019**, 46, 3582-3589	4.9	9
222	On the Contribution of EMIC Waves to the Reconfiguration of the Relativistic Electron Butterfly Pitch Angle Distribution Shape on 2014 September 12: A Case Study. *Astrophysical Journal*, **2019**, 872, 36	4.7	3
221	Electron Vorticity Indicative of the Electron Diffusion Region of Magnetic Reconnection. *Geophysical Research Letters*, **2019**, 46, 6287-6296	4.9	13
220	Formation of the Potential Jump Over the Geomagnetically Quiet Sunlit Polar Cap Region. *Journal of Geophysical Research: Space Physics*, **2019**, 124, 4384-4401	2.6	2
219	Magnetospheric Multiscale Mission Observations of Reconnecting Electric Fields in the Magnetotail on Kinetic Scales. *Geophysical Research Letters*, **2019**, 46, 10295-10302	4.9	2
218	The Magnetosphere-Ionosphere Electron Precipitation Dynamics and Their Geospace Consequences During the 17 March 2013 Storm. *Journal of Geophysical Research: Space Physics*, **2019**, 124, 6504-6523	2.6	11
217	High-Frequency Wave Generation in Magnetotail Reconnection: Nonlinear Harmonics of Upper Hybrid Waves. *Geophysical Research Letters*, **2019**, 46, 7873-7882	4.9	11
216	The Evolution of a Pitch-Angle Bite-Out Scattering Signature Caused by EMIC Wave Activity: A Case Study. *Journal of Geophysical Research: Space Physics*, **2019**, 124, 5042-5055	2.6	8
215	Mechanism of Reconnection on Kinetic Scales Based on Magnetospheric Multiscale Mission Observations. *Astrophysical Journal Letters*, **2019**, 885, L26	7.9	7
214	Magnetotail boundary crossings at lunar distances: ARTEMIS observations. *Journal of Atmospheric and Solar-Terrestrial Physics*, **2019**, 182, 45-60	2	2
213	Space Weather Operation at KASI With Van Allen Probes Beacon Signals. *Space Weather*, **2018**, 16, 108-120	3.7	
212	The Global Statistical Response of the Outer Radiation Belt During Geomagnetic Storms. *Geophysical Research Letters*, **2018**, 45, 3783-3792	4.9	36
211	Generation Mechanism for Interlinked Flux Tubes on the Magnetopause. *Journal of Geophysical Research: Space Physics*, **2018**, 123, 1337-1355	2.6	3

210	Dawn-Dusk Auroral Oval Oscillations Associated With High-Speed Solar Wind. *Journal of Geophysical Research: Space Physics*, **2018**, 123, 600-610	2.6	1
209	The Role of Localized Compressional Ultra-low Frequency Waves in Energetic Electron Precipitation. *Journal of Geophysical Research: Space Physics*, **2018**, 123, 1900	2.6	21
208	Impact of Precipitating Electrons and Magnetosphere-Ionosphere Coupling Processes on Ionospheric Conductance. *Space Weather*, **2018**, 16, 829-837	3.7	19
207	Jets Downstream of Collisionless Shocks. *Space Science Reviews*, **2018**, 214, 1	7.5	66
206	Determining the Mode, Frequency, and Azimuthal Wave Number of ULF Waves During a HSS and Moderate Geomagnetic Storm. *Journal of Geophysical Research: Space Physics*, **2018**, 123, 6457-6477	2.6	14
205	Ion Injection Triggered EMIC Waves in the Earth's Magnetosphere. *Journal of Geophysical Research: Space Physics*, **2018**, 123, 4921-4938	2.6	23
204	Magnetospheric Multiscale Observations of Turbulence in the Magnetosheath on Kinetic Scales. *Astrophysical Journal Letters*, **2018**, 864, L29	7.9	16
203	Solar Wind Induced Waves in the Skies of Mars: Ionospheric Compression, Energization, and Escape Resulting From the Impact of Ultralow Frequency Magnetosonic Waves Generated Upstream of the Martian Bow Shock. *Journal of Geophysical Research: Space Physics*, **2018**, 123, 7241-7256	2.6	17
202	A Study of Intense Local dB/dt Variations During Two Geomagnetic Storms. *Space Weather*, **2018**, 16, 676-693	3.7	29
201	Cavitons and spontaneous hot flow anomalies in a hybrid-Vlasov global magnetospheric simulation **2018**,		1
200	Ultralow Frequency Waves as an Intermediary for Solar Wind Energy Input Into the Radiation Belts. *Journal of Geophysical Research: Space Physics*, **2018**, 123, 10,090	2.6	11
199	Multisatellite observations of the magnetosphere response to changes in the solar wind and interplanetary magnetic field. *Annales Geophysicae*, **2018**, 36, 1319-1333	2	5
198	Imaging Plasma Density Structures in the Soft X-Rays Generated by Solar Wind Charge Exchange with Neutrals. *Space Science Reviews*, **2018**, 214, 1	7.5	28
197	Magnetosheath jet properties and evolution as determined by a global hybrid-Vlasov simulation. *Annales Geophysicae*, **2018**, 36, 1171-1182	2	19
196	Cavitons and spontaneous hot flow anomalies in a hybrid-Vlasov global magnetospheric simulation. *Annales Geophysicae*, **2018**, 36, 1081-1097	2	9
195	Small-Scale Flux Transfer Events Formed in the Reconnection Exhaust Region Between Two X Lines. *Journal of Geophysical Research: Space Physics*, **2018**, 123, 8473-8488	2.6	17
194	Characteristics, Occurrence, and Decay Rates of Remnant Belts Associated With Three-Belt Events in the Earth's Radiation Belts. *Geophysical Research Letters*, **2018**, 45, 12,099-12,107	4.9	7
193	Magnetosheath Propagation Time of Solar Wind Directional Discontinuities. *Journal of Geophysical Research: Space Physics*, **2018**, 123, 3727-3741	2.6	6

192	Is diffuse aurora driven from above or below?. *Geophysical Research Letters*, **2017**, 44, 641-647	4.9	13
191	A method to predict magnetopause expansion in radial IMF events by MHD simulations. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 3110-3126	2.6	11
190	Magnetospheric Multiscale mission observations of the outer electron diffusion region. *Geophysical Research Letters*, **2017**, 44, 2049-2059	4.9	30
189	Comparative study of three reconnection X line models at the Earth's dayside magnetopause using in situ observations. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 4228-4250	2.6	6
188	Conjugate observations of electromagnetic ion cyclotron waves associated with traveling convection vortex events. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 7336-7352	2.6	7
187	Major pathways to electron distribution function formation in regions of diffuse aurora. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 4251-4265	2.6	14
186	Ultra-relativistic radiation belt extinction and ULF wave radial diffusion: Modeling the September 2014 extended dropout event. *Geophysical Research Letters*, **2017**, 44, 2624-2633	4.9	29
185	MMS observation of inverse energy dispersion in shock drift accelerated ions. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 3232-3246	2.6	1
184	Lower hybrid frequency range waves generated by ion polarization drift due to electromagnetic ion cyclotron waves: Analysis of an event observed by the Van Allen Probe B. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 449-463	2.6	4
183	Structure and Properties of the Foreshock at Venus. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 10,275-10,286	2.6	13
182	On the Effect of Geomagnetic Storms on Relativistic Electrons in the Outer Radiation Belt: Van Allen Probes Observations. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 11,100-11,108	2.6	31
181	THEMIS satellite observations of hot flow anomalies at Earth's bow shock. *Annales Geophysicae*, **2017**, 35, 443-451	2	18
180	Intermittent Anisotropic Turbulence Detected by THEMIS in the Magnetosheath. *Astrophysical Journal Letters*, **2017**, 851, L42	7.9	8
179	Acceleration of radiation belt electrons and the role of the average interplanetary magnetic field Bz component in high-speed streams. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 10,084-10,101	2.6	6
178	Spontaneous hot flow anomalies at Mars and Venus. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 9910-9923	2.6	12
177	CIMI simulations with newly developed multiparameter chorus and plasmaspheric hiss wave models. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 9344-9357	2.6	14
176	Traveling Foreshocks and Transient Foreshock Phenomena. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 9148-9168	2.6	18
175	What Happens Before a Southward IMF Turning Reaches the Magnetopause?. *Geophysical Research Letters*, **2017**, 44, 9159-9166	4.9	5

174	Statistical analysis of MMS observations of energetic electron escape observed at/beyond the dayside magnetopause. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 9440-9463	2.6	11
173	The Role of Solar Wind Structures in the Generation of ULF Waves in the Inner Magnetosphere. *Solar Physics*, **2017**, 292, 1	2.6	3
172	Energetic particle loss through the magnetopause: A combined global MHD and test-particle study. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 9329-9343	2.6	27
171	The Role of Solar Wind Structures in the Generation of ULF Waves in the Inner Magnetosphere **2017**, 653-667		
170	Multipoint spacecraft observations of long-lasting poloidal Pc4 pulsations in the dayside magnetosphere on 1 May 2014. *Annales Geophysicae*, **2016**, 34, 985-998	2	10
169	Ionosphere-magnetosphere energy interplay in the regions of diffuse aurora. *Journal of Geophysical Research: Space Physics*, **2016**, 121, 6661-6673	2.6	7
168	Observation of chorus waves by the Van Allen Probes: Dependence on solar wind parameters and scale size. *Journal of Geophysical Research: Space Physics*, **2016**, 121, 7608-7621	2.6	22
167	Inverse energy dispersion of energetic ions observed in the magnetosheath. *Geophysical Research Letters*, **2016**, 43, 7338-7347	4.9	5
166	Density variations in the Earth's magnetospheric cusps. *Journal of Geophysical Research: Space Physics*, **2016**, 121, 2131-2142	2.6	7
165	Relativistic Electrons Produced by Foreshock Disturbances Observed Upstream of Earth's Bow Shock. *Physical Review Letters*, **2016**, 117, 215101	7.4	35
164	A neural network approach for identifying particle pitch angle distributions in Van Allen Probes data. *Space Weather*, **2016**, 14, 275-284	3.7	3
163	Outer radiation belt dropout dynamics following the arrival of two interplanetary coronal mass ejections. *Geophysical Research Letters*, **2016**, 43, 978-987	4.9	20
162	Wide field-of-view soft X-ray imaging for solar wind-magnetosphere interactions. *Journal of Geophysical Research: Space Physics*, **2016**, 121, 3353-3361	2.6	14
161	Accurately characterizing the importance of wave-particle interactions in radiation belt dynamics: The pitfalls of statistical wave representations. *Journal of Geophysical Research: Space Physics*, **2016** , 121, 7895-7899	2.6	21
160	Observations of energetic particle escape at the magnetopause: Early results from the MMS Energetic Ion Spectrometer (EIS). *Geophysical Research Letters*, **2016**, 43, 5960-5968	4.9	22
159	Do we know the actual magnetopause position for typical solar wind conditions?. *Journal of Geophysical Research: Space Physics*, **2016**, 121, 6493-6508	2.6	23
158	Impacts of spontaneous hot flow anomalies on the magnetosheath and magnetopause. *Journal of Geophysical Research: Space Physics*, **2016**, 121, 3155-3169	2.6	34
157	The substructure of a flux transfer event observed by the MMS spacecraft. *Geophysical Research Letters*, **2016**, 43, 9434-9443	4.9	21

156	Superthermal electron magnetosphere-ionosphere coupling in the diffuse aurora in the presence of ECH waves. *Journal of Geophysical Research: Space Physics*, **2015**, 120, 445-459	2.6	12
155	Conjugate observations of traveling convection vortices associated with transient events at the magnetopause. *Journal of Geophysical Research: Space Physics*, **2015**, 120, 2015-2035	2.6	15
154	The impact of a slow interplanetary coronal mass ejection on Venus. *Journal of Geophysical Research: Space Physics*, **2015**, 120, 3489-3502	2.6	13
153	THE SOLAR WIND CHARGE-EXCHANGE PRODUCTION FACTOR FOR HYDROGEN. *Astrophysical Journal*, **2015**, 808, 143	4.7	22
152	Ion distributions in the Earth's foreshock: Hybrid-Vlasov simulation and THEMIS observations. *Journal of Geophysical Research: Space Physics*, **2015**, 120, 3684-3701	2.6	33
151	On the dependence of storm time ULF wave power on magnetopause location: Impacts for ULF wave radial diffusion. *Geophysical Research Letters*, **2015**, 42, 9676-9684	4.9	27
150	Role of Multiple Atmospheric Reflections in Formation of Electron Distribution Function in the Diffuse Aurora Region. *Geophysical Monograph Series*, **2015**, 115-130	1.1	6
149	Magnetosheath plasma structures and their relation to foreshock processes. *Journal of Geophysical Research: Space Physics*, **2015**, 120, 7687-7697	2.6	25
148	Electron distribution function formation in regions of diffuse aurora. *Journal of Geophysical Research: Space Physics*, **2015**, 120, 9891-9915	2.6	32
147	Weak kinetic Alfvén waves turbulence during the 14 November 2012 geomagnetic storm: Van Allen Probes observations. *Journal of Geophysical Research: Space Physics*, **2015**, 120, 5504-5523	2.6	28
146	Invited Article: First flight in space of a wide-field-of-view soft x-ray imager using lobster-eye optics: Instrument description and initial flight results. *Review of Scientific Instruments*, **2015**, 86, 071301	1.7	17
145	Asymmetric magnetospheric compressions and expansions in response to impact of inclined interplanetary shock. *Geophysical Research Letters*, **2015**, 42, 4716-4722	4.9	19
144	Relation between cusp ion structures and dayside reconnection for four IMF clock angles: OpenGGCM-LTPT results. *Journal of Geophysical Research: Space Physics*, **2015**, 120, 4890-4906	2.6	13
143	THEMIS observation of intermittent turbulence behind the quasi-parallel and quasi-perpendicular shocks. *Journal of Geophysical Research: Space Physics*, **2015**, 120, 7466-7476	2.6	9
142	Van Allen Probe observations of drift-bounce resonances with Pc 4 pulsations and wave–particle interactions in the pre-midnight inner magnetosphere. *Annales Geophysicae*, **2015**, 33, 955-964	2	11
141	The global context of the 14 November 2012 storm event. *Journal of Geophysical Research: Space Physics*, **2015**, 120, 1939-1956	2.6	8
140	Size and shape of the distant magnetotail. *Journal of Geophysical Research: Space Physics*, **2014**, 119, 1028-1043	2.6	26
139	On lunar exospheric column densities and solar wind access beyond the terminator from ROSAT soft X-ray observations of solar wind charge exchange. *Journal of Geophysical Research E: Planets*, **2014**, 119, 1459-1478	4.1	20

138	Study of a global auroral Pc5 pulsation event with concurrent ULF waves. *Geophysical Research Letters*, **2014**, 41, 6547-6555	4.9	4
137	Plasma and energetic particle behaviors during asymmetric magnetic reconnection at the magnetopause. *Journal of Geophysical Research: Space Physics*, **2014**, 119, 1658-1672	2.6	28
136	Magnetosheath filamentary structures formed by ion acceleration at the quasi-parallel bow shock. *Journal of Geophysical Research: Space Physics*, **2014**, 119, 2593-2604	2.6	32
135	The plasmaspheric plume and magnetopause reconnection. *Geophysical Research Letters*, **2014**, 41, 223-228	4.9	63
134	A survey of hot flow anomalies at Venus. *Journal of Geophysical Research: Space Physics*, **2014**, 119, 978-991	2.6	16
133	Active current sheets and candidate hot flow anomalies upstream of Mercury's bow shock. *Journal of Geophysical Research: Space Physics*, **2014**, 119, 853-876	2.6	15
132	Parametric dependencies of spontaneous hot flow anomalies. *Journal of Geophysical Research: Space Physics*, **2014**, 119, 9823-9833	2.6	23
131	On the electron diffusion region in planar, asymmetric, systems. *Geophysical Research Letters*, **2014**, 41, 8673-8680	4.9	109
130	The link between shocks, turbulence, and magnetic reconnection in collisionless plasmas. *Physics of Plasmas*, **2014**, 21, 062308	2.1	175
129	Simultaneous ground- and space-based observations of the plasmaspheric plume and reconnection. *Science*, **2014**, 343, 1122-5	33.3	88
128	Large-scale flow vortices following a magnetospheric sudden impulse. *Journal of Geophysical Research: Space Physics*, **2013**, 118, 3055-3064	2.6	20
127	The Magnetospheric and Ionospheric Response to Solar Wind Dynamic Pressure Variations. *Geophysical Monograph Series*, **2013**, 1-8	1.1	1
126	THEMIS observations of compressional poloidal pulsations in the dawnside magnetosphere: A case study. *Journal of Geophysical Research: Space Physics*, **2013**, 118, 7665-7673	2.6	13
125	Transient and Quasi-Periodic (5–15 Min) Events in the Outer Magnetosphere. *Geophysical Monograph Series*, **2013**, 173-182	1.1	24
124	Spontaneous hot flow anomalies at quasi-parallel shocks: 1. Observations. *Journal of Geophysical Research: Space Physics*, **2013**, 118, 3357-3363	2.6	81
123	The Magnetospheric Response to Foreshock Pressure Pulses. *Geophysical Monograph Series*, **2013**, 293-302	1.1	10
122	Science Objectives and Rationale for the Radiation Belt Storm Probes Mission. *Space Science Reviews*, **2013**, 179, 3-27	7.5	686
121	Spontaneous hot flow anomalies at quasi-parallel shocks: 2. Hybrid simulations. *Journal of Geophysical Research: Space Physics*, **2013**, 118, 173-180	2.6	72

120	First observations of foreshock bubbles upstream of Earth's bow shock: Characteristics and comparisons to HFAs. *Journal of Geophysical Research: Space Physics*, **2013**, 118, 1552-1570	2.6	78
119	Dynamics of the foreshock compressional boundary and its connection to foreshock cavities. *Journal of Geophysical Research: Space Physics*, **2013**, 118, 823-831	2.6	34
118	A new three-dimensional magnetopause model with a support vector regression machine and a large database of multiple spacecraft observations. *Journal of Geophysical Research: Space Physics*, **2013**, 118, 2173-2184	2.6	35
117	Solar wind charge exchange and Earth's magnetosheath **2013**,		1
116	Magnetopause reconnection and interlinked flux tubes. *Annales Geophysicae*, **2013**, 31, 1853-1866	2	7
115	The DXL and STORM sounding rocket mission **2013**,		4
114	Generation of ULF Magnetic Pulsations in Response to Sudden Variations in Solar Wind Dynamic Pressure. *Geophysical Monograph Series*, **2013**, 265-271	1.1	7
113	Frequency doubling and field-aligned ion streaming in a long-period poloidal pulsation. *Journal of Geophysical Research*, **2012**, 117, n/a-n/a		14
112	THEMIS observations of unusual bow shock motion attending a transient magnetospheric event. *Journal of Geophysical Research*, **2012**, 117, n/a-n/a		6
111	The first in situ observation of Kelvin-Helmholtz waves at high-latitude magnetopause during strongly dawnward interplanetary magnetic field conditions. *Journal of Geophysical Research*, **2012**, 117, n/a-n/a		56
110	Hot flow anomalies at Venus. *Journal of Geophysical Research*, **2012**, 117, n/a-n/a		29
109	Dawn-dusk asymmetries in the Earth's magnetosheath. *Journal of Geophysical Research*, **2012**, 117, n/a-n/a		51
108	Short large-amplitude magnetic structures (SLAMS) at Venus. *Journal of Geophysical Research*, **2012** , 117, n/a-n/a		14
107	IMPALAS: Investigation of MagnetoPause Activity using Longitudinally-Aligned Satellites mission concept proposed for the ESA M3 2020/2022 launch. *Experimental Astronomy*, **2012**, 33, 365-401	1.3	
106	Spatial distribution of rolled up Kelvin-Helmholtz vortices at Earth's dayside and flank magnetopause. *Annales Geophysicae*, **2012**, 30, 1025-1035	2	48
105	Interball-1 observations of flux transfer events. *Annales Geophysicae*, **2012**, 30, 1451-1462	2	3
104	Inner plasma structure of the low-latitude reconnection layer. *Journal of Geophysical Research*, **2012**, 117, n/a-n/a		7
103	Survival of flux transfer event (FTE) flux ropes far along the tail magnetopause. *Journal of Geophysical Research*, **2012**, 117, n/a-n/a		34

102	Concerning the motion and orientation of flux transfer events produced by component and antiparallel reconnection. *Journal of Geophysical Research*, **2011**, 116, n/a-n/a		9
101	THEMIS observations of a transient event at the magnetopause. *Journal of Geophysical Research*, **2011**, 116, n/a-n/a		12
100	Propagation of a sudden impulse through the magnetosphere initiating magnetospheric Pc5 pulsations. *Journal of Geophysical Research*, **2011**, 116, n/a-n/a		26
99	Magnetopause reconnection across wide local time. *Annales Geophysicae*, **2011**, 29, 1683-1697	2	49
98	First Results from ARTEMIS, a New Two-Spacecraft Lunar Mission: Counter-Streaming Plasma Populations in the Lunar Wake. *Space Science Reviews*, **2011**, 165, 93-107	7.5	41
97	ARTEMIS Science Objectives. *Space Science Reviews*, **2011**, 165, 59-91	7.5	40
96	Radiation belt storm probes: Resolving fundamental physics with practical consequences. *Journal of Atmospheric and Solar-Terrestrial Physics*, **2011**, 73, 1417-1424	2	22
95	Extended magnetic reconnection across the dayside magnetopause. *Physical Review Letters*, **2011**, 107, 025004	7.4	39
94	Dayside magnetopause transients correlated with changes of the magnetosheath magnetic field orientation. *Annales Geophysicae*, **2011**, 29, 687-699	2	13
93	Concerning the motion of flux transfer events generated by component reconnection across the dayside magnetopause. *Journal of Geophysical Research*, **2010**, 115, n/a-n/a		9
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