

# D J Gershman

## List of Publications by Citations

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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.

256  
papers

6,685  
citations

40  
h-index

67  
g-index

306  
ext. papers

8,042  
ext. citations

4.9  
avg, IF

5.33  
L-index

#	Paper	IF	Citations
256	Fast Plasma Investigation for Magnetospheric Multiscale. <i>Space Science Reviews</i> , <b>2016</b> , 199, 331-406	7.5	712
255	Electron-scale measurements of magnetic reconnection in space. <i>Science</i> , <b>2016</b> , 352, aaf2939	33.3	418
254	Electron magnetic reconnection without ion coupling in Earth's turbulent magnetosheath. <i>Nature</i> , <b>2018</b> , 557, 202-206	50.4	173
253	Electron-scale dynamics of the diffusion region during symmetric magnetic reconnection in space. <i>Science</i> , <b>2018</b> , 362, 1391-1395	33.3	139
252	MESSENGER observations of Mercury's dayside magnetosphere under extreme solar wind conditions. <i>Journal of Geophysical Research: Space Physics</i> , <b>2014</b> , 119, 8087-8116	2.6	100
251	MESSENGER observations of the spatial distribution of planetary ions near Mercury. <i>Science</i> , <b>2011</b> , 333, 1862-5	33.3	91
250	Magnetospheric Multiscale observations of magnetic reconnection associated with Kelvin-Helmholtz waves. <i>Geophysical Research Letters</i> , <b>2016</b> , 43, 5606-5615	4.9	84
249	Magnetic flux pileup and plasma depletion in Mercury's subsolar magnetosheath. <i>Journal of Geophysical Research: Space Physics</i> , <b>2013</b> , 118, 7181-7199	2.6	84
248	Lower hybrid waves in the ion diffusion and magnetospheric inflow regions. <i>Journal of Geophysical Research: Space Physics</i> , <b>2017</b> , 122, 517-533	2.6	81
247	Ion-scale secondary flux ropes generated by magnetopause reconnection as resolved by MMS. <i>Geophysical Research Letters</i> , <b>2016</b> , 43, 4716-4724	4.9	80
246	MMS observations of electron-scale filamentary currents in the reconnection exhaust and near the X line. <i>Geophysical Research Letters</i> , <b>2016</b> , 43, 6060-6069	4.9	76
245	Distribution and compositional variations of plasma ions in Mercury's space environment: The first three Mercury years of MESSENGER observations. <i>Journal of Geophysical Research: Space Physics</i> , <b>2013</b> , 118, 1604-1619	2.6	72
244	Electron scale structures and magnetic reconnection signatures in the turbulent magnetosheath. <i>Geophysical Research Letters</i> , <b>2016</b> , 43, 5969-5978	4.9	72
243	Structure and dynamics of Mercury's magnetospheric cusp: MESSENGER measurements of protons and planetary ions. <i>Journal of Geophysical Research: Space Physics</i> , <b>2014</b> , 119, 6587-6602	2.6	69
242	Estimates of terms in Ohm's law during an encounter with an electron diffusion region. <i>Geophysical Research Letters</i> , <b>2016</b> , 43, 5918-5925	4.9	68
241	MMS observations of large guide field symmetric reconnection between colliding reconnection jets at the center of a magnetic flux rope at the magnetopause. <i>Geophysical Research Letters</i> , <b>2016</b> , 43, 5536-5544	4.9	65
240	Currents and associated electron scattering and bouncing near the diffusion region at Earth's magnetopause. <i>Geophysical Research Letters</i> , <b>2016</b> , 43, 3042-3050	4.9	65

239	Magnetospheric Multiscale Observations of Electron Vortex Magnetic Hole in the Turbulent Magnetosheath Plasma. <i>Astrophysical Journal Letters</i> , <b>2017</b> , 836, L27	7.9	63
238	Electron-Scale Measurements of Dipolarization Front. <i>Geophysical Research Letters</i> , <b>2018</b> , 45, 4628-4638	4.9	63
237	MESSENGER observations of flux ropes in Mercury's magnetotail. <i>Planetary and Space Science</i> , <b>2015</b> , 115, 77-89	2	62
236	Observations of turbulence in a Kelvin-Helmholtz event on 8 September 2015 by the Magnetospheric Multiscale mission. <i>Journal of Geophysical Research: Space Physics</i> , <b>2016</b> , 121, 11,021-11,034	2.6	59
235	Rippled Quasiperpendicular Shock Observed by the Magnetospheric Multiscale Spacecraft. <i>Physical Review Letters</i> , <b>2016</b> , 117, 165101	7.4	59
234	Electron jet of asymmetric reconnection. <i>Geophysical Research Letters</i> , <b>2016</b> , 43, 5571-5580	4.9	59
233	Wave-particle energy exchange directly observed in a kinetic Alfvén-branch wave. <i>Nature Communications</i> , <b>2017</b> , 8, 14719	17.4	57
232	Electron Jet Detected by MMS at Dipolarization Front. <i>Geophysical Research Letters</i> , <b>2018</b> , 45, 556-564	4.9	56
231	Electron energization and mixing observed by MMS in the vicinity of an electron diffusion region during magnetopause reconnection. <i>Geophysical Research Letters</i> , <b>2016</b> , 43, 6036-6043	4.9	55
230	Magnetospheric Multiscale Observation of Plasma Velocity-Space Cascade: Hermite Representation and Theory. <i>Physical Review Letters</i> , <b>2017</b> , 119, 205101	7.4	54
229	MMS Observation of Magnetic Reconnection in the Turbulent Magnetosheath. <i>Journal of Geophysical Research: Space Physics</i> , <b>2017</b> , 122, 11,442-11,467	2.6	53
228	Properties of the Turbulence Associated with Electron-only Magnetic Reconnection in Earth's Magnetosheath. <i>Astrophysical Journal Letters</i> , <b>2019</b> , 877, L37	7.9	52
227	Solar wind alpha particles and heavy ions in the inner heliosphere observed with MESSENGER. <i>Journal of Geophysical Research</i> , <b>2012</b> , 117, n/a-n/a		47
226	Electron dynamics in a subproton-gyroscale magnetic hole. <i>Geophysical Research Letters</i> , <b>2016</b> , 43, 4112-4118	4.9	44
225	Electron currents and heating in the ion diffusion region of asymmetric reconnection. <i>Geophysical Research Letters</i> , <b>2016</b> , 43, 4691-4700	4.9	43
224	Energy Conversion and Collisionless Plasma Dissipation Channels in the Turbulent Magnetosheath Observed by the Magnetospheric Multiscale Mission. <i>Astrophysical Journal</i> , <b>2018</b> , 862, 32	4.7	43
223	Ion kinetic properties in Mercury's pre-midnight plasma sheet. <i>Geophysical Research Letters</i> , <b>2014</b> , 41, 5740-5747	4.9	43
222	MESSENGER observations of magnetospheric substorm activity in Mercury's near magnetotail. <i>Geophysical Research Letters</i> , <b>2015</b> , 42, 3692-3699	4.9	43

221	Electron-Scale Quadrants of the Hall Magnetic Field Observed by the Magnetospheric Multiscale spacecraft during Asymmetric Reconnection. <i>Physical Review Letters</i> , <b>2017</b> , 118, 175101	7.4	42
220	Electron diffusion region during magnetopause reconnection with an intermediate guide field: Magnetospheric multiscale observations. <i>Journal of Geophysical Research: Space Physics</i> , <b>2017</b> , 122, 5235-5246	2.6	41
219	Solar wind forcing at Mercury: WSA-ENLIL model results. <i>Journal of Geophysical Research: Space Physics</i> , <b>2013</b> , 118, 45-57	2.6	41
218	Electron Heating at Kinetic Scales in Magnetosheath Turbulence. <i>Astrophysical Journal</i> , <b>2017</b> , 836, 247	4.7	40
217	Mercury's cross-tail current sheet: Structure, X-line location and stress balance. <i>Geophysical Research Letters</i> , <b>2017</b> , 44, 678-686	4.9	40
216	Magnetic Reconnection, Turbulence, and Particle Acceleration: Observations in the Earth's Magnetotail. <i>Geophysical Research Letters</i> , <b>2018</b> , 45, 3338-3347	4.9	40
215	Higher-Order Turbulence Statistics in the Earth's Magnetosheath and the Solar Wind Using Magnetospheric Multiscale Observations. <i>Journal of Geophysical Research: Space Physics</i> , <b>2018</b> , 123, 9941	2.6	40
214	MMS Observations of Electrostatic Waves in an Oblique Shock Crossing. <i>Journal of Geophysical Research: Space Physics</i> , <b>2018</b> , 123, 9430-9442	2.6	40
213	MMS Observations and Hybrid Simulations of Surface Ripples at a Marginally Quasi-Parallel Shock. <i>Journal of Geophysical Research: Space Physics</i> , <b>2017</b> , 122, 11,003-11,017	2.6	39
212	Electron Crescent Distributions as a Manifestation of Diamagnetic Drift in an Electron-Scale Current Sheet: Magnetospheric Multiscale Observations Using New 7.5 ms Fast Plasma Investigation Moments. <i>Geophysical Research Letters</i> , <b>2018</b> , 45, 578-584	4.9	39
211	In Situ Observation of Intermittent Dissipation at Kinetic Scales in the Earth's Magnetosheath. <i>Astrophysical Journal Letters</i> , <b>2018</b> , 856, L19	7.9	39
210	Magnetic reconnection and modification of the Hall physics due to cold ions at the magnetopause. <i>Geophysical Research Letters</i> , <b>2016</b> , 43, 6705-6712	4.9	39
209	Plasma distribution in Mercury's magnetosphere derived from MESSENGER Magnetometer and Fast Imaging Plasma Spectrometer observations. <i>Journal of Geophysical Research: Space Physics</i> , <b>2014</b> , 119, 2917-2932	2.6	37
208	Instability of Agyrotropic Electron Beams near the Electron Diffusion Region. <i>Physical Review Letters</i> , <b>2017</b> , 119, 025101	7.4	37
207	Magnetotail reconnection onset caused by electron kinetics with a strong external driver. <i>Nature Communications</i> , <b>2020</b> , 11, 5049	17.4	37
206	Whistler mode waves and Hall fields detected by MMS during a dayside magnetopause crossing. <i>Geophysical Research Letters</i> , <b>2016</b> , 43, 5943-5952	4.9	36
205	MMS Multipoint electric field observations of small-scale magnetic holes. <i>Geophysical Research Letters</i> , <b>2016</b> , 43, 5953-5959	4.9	36
204	Kinetic evidence of magnetic reconnection due to Kelvin-Helmholtz waves. <i>Geophysical Research Letters</i> , <b>2016</b> , 43, 5635-5643	4.9	36

203	Drift waves, intense parallel electric fields, and turbulence associated with asymmetric magnetic reconnection at the magnetopause. <i>Geophysical Research Letters</i> , <b>2017</b> , 44, 2978-2986	4.9	35
202	Spacecraft Observations and Analytic Theory of Crescent-Shaped Electron Distributions in Asymmetric Magnetic Reconnection. <i>Physical Review Letters</i> , <b>2016</b> , 117, 185101	7.4	34
201	Finite gyroradius effects in the electron outflow of asymmetric magnetic reconnection. <i>Geophysical Research Letters</i> , <b>2016</b> , 43, 6724-6733	4.9	34
200	MESSENGER observations of multiscale Kelvin-Helmholtz vortices at Mercury. <i>Journal of Geophysical Research: Space Physics</i> , <b>2015</b> , 120, 4354-4368	2.6	34
199	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> , <b>2016</b> , 43, 7785-7794	4.9	33
198	Mercury's surface magnetic field determined from proton-reflection magnetometry. <i>Geophysical Research Letters</i> , <b>2014</b> , 41, 4463-4470	4.9	33
197	Precipitating Electron Energy Flux and Characteristic Energies in Jupiter's Main Auroral Region as Measured by Juno/JEDI. <i>Journal of Geophysical Research: Space Physics</i> , <b>2018</b> , 123, 7554-7567	2.6	33
196	Solar Wind Turbulence Studies Using MMS Fast Plasma Investigation Data. <i>Astrophysical Journal</i> , <b>2018</b> , 866, 81	4.7	33
195	Incompressible Energy Transfer in the Earth's Magnetosheath: Magnetospheric Multiscale Observations. <i>Astrophysical Journal</i> , <b>2018</b> , 866, 106	4.7	32
194	Autogenous and efficient acceleration of energetic ions upstream of Earth's bow shock. <i>Nature</i> , <b>2018</b> , 561, 206-210	50.4	32
193	Accelerated flows at Jupiter's magnetopause: Evidence for magnetic reconnection along the dawn flank. <i>Geophysical Research Letters</i> , <b>2017</b> , 44, 4401-4409	4.9	31
192	Observations of Magnetic Reconnection in the Transition Region of Quasi-Parallel Shocks. <i>Geophysical Research Letters</i> , <b>2019</b> , 46, 1177-1184	4.9	31
191	An Electron-Scale Current Sheet Without Bursty Reconnection Signatures Observed in the Near-Earth Tail. <i>Geophysical Research Letters</i> , <b>2018</b> , 45, 4542-4549	4.9	31
190	MMS Examination of FTEs at the Earth's Subsolar Magnetopause. <i>Journal of Geophysical Research: Space Physics</i> , <b>2018</b> , 123, 1224-1241	2.6	31
189	Localized Oscillatory Energy Conversion in Magnetopause Reconnection. <i>Geophysical Research Letters</i> , <b>2018</b> , 45, 1237-1245	4.9	31
188	Magnetospheric Multiscale mission observations of the outer electron diffusion region. <i>Geophysical Research Letters</i> , <b>2017</b> , 44, 2049-2059	4.9	30
187	Plasma measurements in the Jovian polar region with Juno/JADE. <i>Geophysical Research Letters</i> , <b>2017</b> , 44, 7122-7130	4.9	30
186	RADIAL EVOLUTION OF A MAGNETIC CLOUD: MESSENGER, STEREO, AND VENUS EXPRESS OBSERVATIONS. <i>Astrophysical Journal</i> , <b>2015</b> , 807, 177	4.7	30

185	Electron Scattering by High-frequency Whistler Waves at Earth's Bow Shock. <i>Astrophysical Journal Letters</i> , <b>2017</b> , 842, L11	7.9	29
184	Electron Bulk Acceleration and Thermalization at Earth's Quasiperpendicular Bow Shock. <i>Physical Review Letters</i> , <b>2018</b> , 120, 225101	7.4	29
183	Motion of the MMS spacecraft relative to the magnetic reconnection structure observed on 16 October 2015 at 1307 UT. <i>Geophysical Research Letters</i> , <b>2016</b> , 43, 5589-5596	4.9	28
182	Cold ion demagnetization near the X-line of magnetic reconnection. <i>Geophysical Research Letters</i> , <b>2016</b> , 43, 6759-6767	4.9	27
181	The calculation of moment uncertainties from velocity distribution functions with random errors. <i>Journal of Geophysical Research: Space Physics</i> , <b>2015</b> , 120, 6633-6645	2.6	27
180	Multiscale Currents Observed by MMS in the Flow Braking Region. <i>Journal of Geophysical Research: Space Physics</i> , <b>2018</b> , 123, 1260-1278	2.6	27
179	In Situ Observation of Hall Magnetohydrodynamic Cascade in Space Plasma. <i>Physical Review Letters</i> , <b>2020</b> , 124, 225101	7.4	26
178	Spacecraft and Instrument Photoelectrons Measured by the Dual Electron Spectrometers on MMS. <i>Journal of Geophysical Research: Space Physics</i> , <b>2017</b> , 122, 11,548-11,558	2.6	25
177	Structure of the Current Sheet in the 11 July 2017 Electron Diffusion Region Event. <i>Journal of Geophysical Research: Space Physics</i> , <b>2019</b> , 124, 1173-1186	2.6	25
176	Microscopic, Multipoint Characterization of Foreshock Bubbles With Magnetospheric Multiscale (MMS). <i>Journal of Geophysical Research: Space Physics</i> , <b>2020</b> , 125, e2019JA027707	2.6	25
175	Lower Hybrid Drift Waves and Electromagnetic Electron Space-Phase Holes Associated With Dipolarization Fronts and Field-Aligned Currents Observed by the Magnetospheric Multiscale Mission During a Substorm. <i>Journal of Geophysical Research: Space Physics</i> , <b>2017</b> , 122, 12,236-12,257	2.6	24
174	Magnetic Reconnection at a Thin Current Sheet Separating Two Interlaced Flux Tubes at the Earth's Magnetopause. <i>Journal of Geophysical Research: Space Physics</i> , <b>2018</b> , 123, 1779	2.6	24
173	Observation of high-frequency electrostatic waves in the vicinity of the reconnection ion diffusion region by the spacecraft of the Magnetospheric Multiscale (MMS) mission. <i>Geophysical Research Letters</i> , <b>2016</b> , 43, 4808-4815	4.9	24
172	Evidence of Electron Acceleration at a Reconnecting Magnetopause. <i>Geophysical Research Letters</i> , <b>2019</b> , 46, 5645-5652	4.9	24
171	MESSENGER observations of cusp plasma filaments at Mercury. <i>Journal of Geophysical Research: Space Physics</i> , <b>2016</b> , 121, 8260-8285	2.6	24
170	Reconnection With Magnetic Flux Pileup at the Interface of Converging Jets at the Magnetopause. <i>Geophysical Research Letters</i> , <b>2019</b> , 46, 1937-1946	4.9	23
169	Guide Field Reconnection: Exhaust Structure and Heating. <i>Geophysical Research Letters</i> , <b>2018</b> , 45, 4569-4577	4.9	23
168	Signatures of complex magnetic topologies from multiple reconnection sites induced by Kelvin-Helmholtz instability. <i>Journal of Geophysical Research: Space Physics</i> , <b>2016</b> , 121, 9926-9939	2.6	23



167	Birkeland currents in Jupiter's magnetosphere observed by the polar-orbiting Juno spacecraft. <i>Nature Astronomy</i> , <b>2019</b> , 3, 904-909	12.1	23
166	High-resolution Statistics of Solar Wind Turbulence at Kinetic Scales Using the Magnetospheric Multiscale Mission. <i>Astrophysical Journal Letters</i> , <b>2017</b> , 844, L9	7.9	23
165	Coupling between Mercury and its nightside magnetosphere: Cross-tail current sheet asymmetry and substorm current wedge formation. <i>Journal of Geophysical Research: Space Physics</i> , <b>2017</b> , 122, 8419-8433	2.6	23
164	Transient, small-scale field-aligned currents in the plasma sheet boundary layer during storm time substorms. <i>Geophysical Research Letters</i> , <b>2016</b> , 43, 4841-4849	4.9	23
163	Decay of mesoscale flux transfer events during quasi-continuous spatially extended reconnection at the magnetopause. <i>Geophysical Research Letters</i> , <b>2016</b> , 43, 4755-4762	4.9	23
162	Statistics of Kinetic Dissipation in the Earth's Magnetosheath: MMS Observations. <i>Physical Review Letters</i> , <b>2020</b> , 124, 255101	7.4	22
161	Universality of Lower Hybrid Waves at Earth's Magnetopause. <i>Journal of Geophysical Research: Space Physics</i> , <b>2019</b> , 124, 8727-8760	2.6	22
160	A telescopic and microscopic examination of acceleration in the June 2015 geomagnetic storm: Magnetospheric Multiscale and Van Allen Probes study of substorm particle injection. <i>Geophysical Research Letters</i> , <b>2016</b> , 43, 6051-6059	4.9	21
159	Intense Electric Fields and Electron-Scale Substructure Within Magnetotail Flux Ropes as Revealed by the Magnetospheric Multiscale Mission. <i>Geophysical Research Letters</i> , <b>2018</b> , 45, 8783-8792	4.9	21
158	New Insights into the Nature of Turbulence in the Earth's Magnetosheath Using Magnetospheric MultiScale Mission Data. <i>Astrophysical Journal</i> , <b>2018</b> , 859, 127	4.7	21
157	Alfvénic Fluctuations Associated With Jupiter's Auroral Emissions. <i>Geophysical Research Letters</i> , <b>2019</b> , 46, 7157-7165	4.9	21
156	Interaction of Magnetic Flux Ropes Via Magnetic Reconnection Observed at the Magnetopause. <i>Journal of Geophysical Research: Space Physics</i> , <b>2017</b> , 122, 10,436-10,447	2.6	21
155	First observations of Mercury's plasma mantle by MESSENGER. <i>Geophysical Research Letters</i> , <b>2015</b> , 42, 9666-9675	4.9	21
154	The substructure of a flux transfer event observed by the MMS spacecraft. <i>Geophysical Research Letters</i> , <b>2016</b> , 43, 9434-9443	4.9	21
153	Reconstruction of the electron diffusion region observed by the Magnetospheric Multiscale spacecraft: First results. <i>Geophysical Research Letters</i> , <b>2017</b> , 44, 4566-4574	4.9	20
152	Energy partitioning constraints at kinetic scales in low-turbulence. <i>Physics of Plasmas</i> , <b>2018</b> , 25,	2.1	20
151	Magnetospheric Multiscale Mission observations and non-force free modeling of a flux transfer event immersed in a super-Alfvénic flow. <i>Geophysical Research Letters</i> , <b>2016</b> , 43, 6070-6077	4.9	20
150	Pressure Tensor Elements Breaking the Frozen-In Law During Reconnection in Earth's Magnetotail. <i>Physical Review Letters</i> , <b>2019</b> , 123, 225101	7.4	20

149	Strong current sheet at a magnetosheath jet: Kinetic structure and electron acceleration. <i>Journal of Geophysical Research: Space Physics</i> , <b>2016</b> , 121, 9608-9618	2.6	19
148	Energy budget and mechanisms of cold ion heating in asymmetric magnetic reconnection. <i>Journal of Geophysical Research: Space Physics</i> , <b>2017</b> , 122, 9396-9413	2.6	19
147	Interpreting ~1 Hz magnetic compressional waves in Mercury's inner magnetosphere in terms of propagating ion-Bernstein waves. <i>Journal of Geophysical Research: Space Physics</i> , <b>2015</b> , 120, 4213-4228	2.6	19
146	Invited article: Characterization of background sources in space-based time-of-flight mass spectrometers. <i>Review of Scientific Instruments</i> , <b>2014</b> , 85, 091301	1.7	19
145	Cyclic reformation of a quasi-parallel bow shock at Mercury: MESSENGER observations. <i>Journal of Geophysical Research: Space Physics</i> , <b>2013</b> , 118, 6457-6464	2.6	19
144	Direct measurements of two-way wave-particle energy transfer in a collisionless space plasma. <i>Science</i> , <b>2018</b> , 361, 1000-1003	33.3	19
143	Polynomial Reconstruction of the Reconnection Magnetic Field Observed by Multiple Spacecraft. <i>Journal of Geophysical Research: Space Physics</i> , <b>2020</b> , 125, e2019JA027481	2.6	18
142	The Properties of Lion Roars and Electron Dynamics in Mirror Mode Waves Observed by the Magnetospheric MultiScale Mission. <i>Journal of Geophysical Research: Space Physics</i> , <b>2018</b> , 123, 93-103	2.6	18
141	Energetic electron acceleration observed by MMS in the vicinity of an X-line crossing. <i>Geophysical Research Letters</i> , <b>2016</b> , 43, 7356-7363	4.9	18
140	Observations of large-amplitude, parallel, electrostatic waves associated with the Kelvin-Helmholtz instability by the magnetospheric multiscale mission. <i>Geophysical Research Letters</i> , <b>2016</b> , 43, 8859-8866	4.9	18
139	Ion Kinetics in a Hot Flow Anomaly: MMS Observations. <i>Geophysical Research Letters</i> , <b>2018</b> , 45, 11,520	4.9	18
138	Large-Amplitude High-Frequency Waves at Earth's Magnetopause. <i>Journal of Geophysical Research: Space Physics</i> , <b>2018</b> , 123, 2630-2657	2.6	17
137	Small-Scale Flux Transfer Events Formed in the Reconnection Exhaust Region Between Two X Lines. <i>Journal of Geophysical Research: Space Physics</i> , <b>2018</b> , 123, 8473-8488	2.6	17
136	Electron Heating by Debye-Scale Turbulence in Guide-Field Reconnection. <i>Physical Review Letters</i> , <b>2020</b> , 124, 045101	7.4	16
135	Large-Scale Survey of the Structure of the Dayside Magnetopause by MMS. <i>Journal of Geophysical Research: Space Physics</i> , <b>2018</b> , 123, 2018	2.6	16
134	Reconstruction of the Electron Diffusion Region of Magnetotail Reconnection Seen by the MMS Spacecraft on 11 July 2017. <i>Journal of Geophysical Research: Space Physics</i> , <b>2019</b> , 124, 122-138	2.6	16
133	Statistics of Reconnecting Current Sheets in the Transition Region of Earth's Bow Shock. <i>Journal of Geophysical Research: Space Physics</i> , <b>2020</b> , 125, e2019JA027119	2.6	15
132	Spacecraft Observations of Oblique Electron Beams Breaking the Frozen-In Law During Asymmetric Reconnection. <i>Physical Review Letters</i> , <b>2018</b> , 120, 055101	7.4	15



131	Ion-Scale Kinetic Alfvén Turbulence: MMS Measurements of the Alfvén Ratio in the Magnetosheath. <i>Geophysical Research Letters</i> , <b>2018</b> , 45, 7974-7984	4.9	15
130	Active current sheets and candidate hot flow anomalies upstream of Mercury's bow shock. <i>Journal of Geophysical Research: Space Physics</i> , <b>2014</b> , 119, 853-876	2.6	15
129	MESSENGER survey of in situ low frequency wave storms between 0.3 and 0.7 AU. <i>Journal of Geophysical Research: Space Physics</i> , <b>2015</b> , 120, 10,207-10,220	2.6	15
128	Wave-Particle Interactions Associated With Io's Auroral Footprint: Evidence of Alfvén, Ion Cyclotron, and Whistler Modes. <i>Geophysical Research Letters</i> , <b>2020</b> , 47, e2020GL088432	4.9	15
127	Alfvénic Acceleration Sustains Ganymede's Footprint Tail Aurora. <i>Geophysical Research Letters</i> , <b>2020</b> , 47, e2019GL086527	4.9	14
126	Near-Earth plasma sheet boundary dynamics during substorm dipolarization. <i>Earth, Planets and Space</i> , <b>2017</b> , 69, 129	2.9	14
125	Magnetospheric Multiscale analysis of intense field-aligned Poynting flux near the Earth's plasma sheet boundary. <i>Geophysical Research Letters</i> , <b>2017</b> , 44, 7106-7113	4.9	14
124	Shift of the magnetopause reconnection line to the winter hemisphere under southward IMF conditions: Geotail and MMS observations. <i>Geophysical Research Letters</i> , <b>2016</b> , 43, 5581-5588	4.9	14
123	Whistler Wave Generation by Anisotropic Tail Electrons During Asymmetric Magnetic Reconnection in Space and Laboratory. <i>Geophysical Research Letters</i> , <b>2018</b> , 45, 8054-8061	4.9	14
122	Juno observations of large-scale compressions of Jupiter's dawnside magnetopause. <i>Geophysical Research Letters</i> , <b>2017</b> , 44, 7559-7568	4.9	14
121	Electron Bernstein waves driven by electron crescents near the electron diffusion region. <i>Nature Communications</i> , <b>2020</b> , 11, 141	17.4	14
120	MMS Observations of Plasma Heating Associated With FTE Growth. <i>Geophysical Research Letters</i> , <b>2019</b> , 46, 12654-12664	4.9	14
119	A Comparative Study of the Proton Properties of Magnetospheric Substorms at Earth and Mercury in the Near Magnetotail. <i>Geophysical Research Letters</i> , <b>2018</b> , 45, 7933-7941	4.9	13
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