

# D J Gershman

## 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.

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	Solitary Magnetic Structures Developed From Gyro-Resonance With Solar Wind Ions at Mars and Earth. <i>Geophysical Research Letters</i> , <b>2022</b> , 49,	4.9	0
255	Investigation of the homogeneity of energy conversion processes at dipolarization fronts from MMS measurements. <i>Physics of Plasmas</i> , <b>2022</b> , 29, 012906	2.1	1
254	Lower hybrid drift wave motion at a dayside magnetopause x-line with energy conversion dominated by a parallel electric field. <i>Physics of Plasmas</i> , <b>2022</b> , 29, 012905	2.1	2
253	Millisecond observations of nonlinear wave-electron interaction in electron phase space holes. <i>Physics of Plasmas</i> , <b>2022</b> , 29, 012309	2.1	2
252	Theory, observations, and simulations of kinetic entropy in a magnetotail electron diffusion region. <i>Physics of Plasmas</i> , <b>2022</b> , 29, 022902	2.1	2
251	Electron energization and thermal to non-thermal energy partition during earth's magnetotail reconnection. <i>Physics of Plasmas</i> , <b>2022</b> , 29, 052904	2.1	1
250	The EDR inflow region of a reconnecting current sheet in the geomagnetic tail. <i>Physics of Plasmas</i> , <b>2022</b> , 29, 052903	2.1	1
249	Energy dissipation in turbulent reconnection. <i>Physics of Plasmas</i> , <b>2021</b> , 28, 112305	2.1	7
248	Spatial evolution of magnetic reconnection diffusion region structures with distance from the X-line. <i>Physics of Plasmas</i> , <b>2021</b> , 28, 122901	2.1	2
247	Effect of the Electric Field on the Agyrotropic Electron Distributions. <i>Geophysical Research Letters</i> , <b>2021</b> , 48, e2020GL091437	4.9	1
246	MMS Observations of the Multiscale Wave Structures and Parallel Electron Heating in the Vicinity of the Southern Exterior Cusp. <i>Journal of Geophysical Research: Space Physics</i> , <b>2021</b> , 126, e2019JA027698	2.6	3
245	Statistical Relationship Between Interplanetary Magnetic Field Conditions and the Helicity Sign of Flux Transfer Event Flux Ropes. <i>Geophysical Research Letters</i> , <b>2021</b> , 48, e2020GL091257	4.9	1
244	Kinetic Interaction of Cold and Hot Protons With an Oblique EMIC Wave Near the Dayside Reconnecting Magnetopause. <i>Geophysical Research Letters</i> , <b>2021</b> , 48, e2021GL092376	4.9	3
243	Electron Trapping in Magnetic Mirror Structures at the Edge of Magnetopause Flux Ropes. <i>Journal of Geophysical Research: Space Physics</i> , <b>2021</b> , 126, e2021JA029182	2.6	1
242	Energy Transfer Between Hot Protons and Electromagnetic Ion Cyclotron Waves in Compressional Pc5 Ultra-low Frequency Waves. <i>Journal of Geophysical Research: Space Physics</i> , <b>2021</b> , 126, e2020JA028912	2.6	2
241	Direct Multipoint Observations Capturing the Reformation of a Supercritical Fast Magnetosonic Shock. <i>Astrophysical Journal Letters</i> , <b>2021</b> , 911, L31	7.9	3
240	Identification of Electron Diffusion Regions with a Machine Learning Approach on MMS Data at the Earth's Magnetopause. <i>Earth and Space Science</i> , <b>2021</b> , 8, e2020EA001530	3.1	3

239	Statistical Survey of Collisionless Dissipation in the Terrestrial Magnetosheath. <i>Journal of Geophysical Research: Space Physics</i> , <b>2021</b> , 126, e2020JA029000	2.6	4
238	Microscale Processes Determining Macroscale Evolution of Magnetic Flux Tubes along Earth's Magnetopause. <i>Astrophysical Journal</i> , <b>2021</b> , 914, 26	4.7	1
237	Calibrating Electrostatic Deflection of Charged Particle Sensors Using Ambient Plasma Measurements. <i>Journal of Geophysical Research: Space Physics</i> , <b>2021</b> , 126, e2021JA029149	2.6	0
236	Structures in the terms of the Vlasov equation observed at Earth's magnetopause. <i>Nature Physics</i> , <b>2021</b> , 17, 1056-1065	16.2	6
235	Juno Observations of Ion-Inertial Scale Flux Ropes in the Jovian Magnetotail. <i>Geophysical Research Letters</i> , <b>2021</b> , 48, e2020GL089721	4.9	2
234	Comparative Analysis of the Various Generalized Ohm's Law Terms in Magnetosheath Turbulence as Observed by Magnetospheric Multiscale. <i>Journal of Geophysical Research: Space Physics</i> , <b>2021</b> , 126, 2020JA028447	2.6	4
233	The Dynamics of a High Mach Number Quasi-perpendicular Shock: MMS Observations. <i>Astrophysical Journal</i> , <b>2021</b> , 908, 40	4.7	11
232	Energy Conversion Within Current Sheets in the Earth's Quasi-Parallel Magnetosheath. <i>Geophysical Research Letters</i> , <b>2021</b> , 48, e2020GL091859	4.9	3
231	Two-Dimensional Velocity of the Magnetic Structure Observed on July 11, 2017 by the Magnetospheric Multiscale Spacecraft. <i>Journal of Geophysical Research: Space Physics</i> , <b>2021</b> , 126, e2020JA028705	2.6	7
230	Upper-Hybrid Waves Driven by Meandering Electrons Around Magnetic Reconnection X Line. <i>Geophysical Research Letters</i> , <b>2021</b> , 48, e2021GL093164	4.9	3
229	Evaluating the deHoffmann-Teller Cross-Shock Potential at Real Collisionless Shocks. <i>Journal of Geophysical Research: Space Physics</i> , <b>2021</b> , 126, e2021JA029295	2.6	1
228	Observation of Kolmogorov Turbulence in the Jovian Magnetosheath From JADE Data. <i>Geophysical Research Letters</i> , <b>2021</b> , 48, e2021GL095006	4.9	0
227	A statistical study of three-second foreshock ULF waves observed by the Magnetospheric Multiscale mission. <i>Physics of Plasmas</i> , <b>2021</b> , 28, 082901	2.1	1
226	Anomalous Reconnection Layer at Earth's Dayside Magnetopause. <i>Journal of Geophysical Research: Space Physics</i> , <b>2021</b> , 126, e2021JA029678	2.6	1
225	Non-Maxwellianity of Electron Distributions Near Earth's Magnetopause. <i>Journal of Geophysical Research: Space Physics</i> , <b>2021</b> , 126, e2021JA029260	2.6	1
224	A Study of the Solar Wind Ion and Electron Measurements From the Magnetospheric Multiscale Mission's Fast Plasma Investigation. <i>Journal of Geophysical Research: Space Physics</i> , <b>2021</b> , 126, e2021JA029784	2.6	1
223	Solitary Magnetic Structures at Quasi-Parallel Collisionless Shocks: Formation. <i>Geophysical Research Letters</i> , <b>2021</b> , 48, e2020GL090800	4.9	6
222	Solar Cycle Dependence of Solar Wind Coupling With Giant Planet Magnetospheres. <i>Geophysical Research Letters</i> , <b>2020</b> , 47, e2020GL089315	4.9	2

221	Observation of an inertial-range energy cascade within a reconnection jet in the Earth's magnetotail. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , <b>2020</b> , 500, L6-L10	4.3	2
220	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> , <b>2020</b> , 47, e2020GL088761	4.9	4
219	Neural Network Repair of Lossy Compression Artifacts in the September 2015 to March 2016 Duration of the MMS/FPI Data Set. <i>Journal of Geophysical Research: Space Physics</i> , <b>2020</b> , 125, e2019JA027181	2.6	0
218	Observations of the Source Region of Whistler Mode Waves in Magnetosheath Mirror Structures. <i>Journal of Geophysical Research: Space Physics</i> , <b>2020</b> , 125, e2019JA027488	2.6	5
217	Plasma Sheet Boundary Layer in Jupiter's Magnetodisk as Observed by Juno. <i>Journal of Geophysical Research: Space Physics</i> , <b>2020</b> , 125, e2020JA027957	2.6	4
216	In Situ Observation of Hall Magnetohydrodynamic Cascade in Space Plasma. <i>Physical Review Letters</i> , <b>2020</b> , 124, 225101	7.4	26
215	Intermittency and Ion Temperature Anisotropy Instabilities: Simulation and Magnetosheath Observation. <i>Astrophysical Journal</i> , <b>2020</b> , 895, 83	4.7	4
214	Comparative Analysis of the Vlasiator Simulations and MMS Observations of Multiple X-Line Reconnection and Flux Transfer Events. <i>Journal of Geophysical Research: Space Physics</i> , <b>2020</b> , 125, e2019JA027410	2.6	8
213	On the Ubiquity of Magnetic Reconnection Inside Flux Transfer Event-Like Structures at the Earth's Magnetopause. <i>Geophysical Research Letters</i> , <b>2020</b> , 47, e2019GL086726	4.9	9
212	Latitudinal Dependence of the Kelvin-Helmholtz Instability and Beta Dependence of Vortex-Induced High-Guide Field Magnetic Reconnection. <i>Journal of Geophysical Research: Space Physics</i> , <b>2020</b> , 125, e2019JA027333	2.6	4
211	Statistics of Kinetic Dissipation in the Earth's Magnetosheath: MMS Observations. <i>Physical Review Letters</i> , <b>2020</b> , 124, 255101	7.4	22
210	Alfvénic Acceleration Sustains Ganymede's Footprint Tail Aurora. <i>Geophysical Research Letters</i> , <b>2020</b> , 47, e2019GL086527	4.9	14
209	Generation of Turbulence in Kelvin-Helmholtz Vortices at the Earth's Magnetopause: Magnetospheric Multiscale Observations. <i>Journal of Geophysical Research: Space Physics</i> , <b>2020</b> , 125, e2019JA027595	2.6	9
208	On the deviation from Maxwellian of the ion velocity distribution functions in the turbulent magnetosheath. <i>Journal of Plasma Physics</i> , <b>2020</b> , 86,	2.7	9
207	Electron Heating by Debye-Scale Turbulence in Guide-Field Reconnection. <i>Physical Review Letters</i> , <b>2020</b> , 124, 045101	7.4	16
206	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
205	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
204	Upstream Ultra-Low Frequency Waves Observed by MESSENGER's Magnetometer: Implications for Particle Acceleration at Mercury's Bow Shock. <i>Geophysical Research Letters</i> , <b>2020</b> , 47, e2020GL087350	4.9	6

203	Electron Acceleration and Thermalization at Magnetotail Separatrices. <i>Journal of Geophysical Research: Space Physics</i> , <b>2020</b> , 125, e2019JA027440	2.6	12
202	Magnetic Reconnection Inside a Flux Rope Induced by Kelvin-Helmholtz Vortices. <i>Journal of Geophysical Research: Space Physics</i> , <b>2020</b> , 125, e2019JA027665	2.6	9
201	In Situ Measurement of Curvature of Magnetic Field in Turbulent Space Plasmas: A Statistical Study. <i>Astrophysical Journal Letters</i> , <b>2020</b> , 893, L25	7.9	6
200	Electron Mixing and Isotropization in the Exhaust of Asymmetric Magnetic Reconnection With a Guide Field. <i>Geophysical Research Letters</i> , <b>2020</b> , 47, e2020GL087159	4.9	1
199	Energy Flux Densities near the Electron Dissipation Region in Asymmetric Magnetopause Reconnection. <i>Physical Review Letters</i> , <b>2020</b> , 125, 265102	7.4	7
198	Direct Measurement of the Solar-wind Taylor Microscale Using MMS Turbulence Campaign Data. <i>Astrophysical Journal</i> , <b>2020</b> , 899, 63	4.7	9
197	Scaling and Anisotropy of Solar Wind Turbulence at Kinetic Scales during the MMS Turbulence Campaign. <i>Astrophysical Journal</i> , <b>2020</b> , 903, 127	4.7	4
196	Sub-ion Scale Compressive Turbulence in the Solar Wind: MMS Spacecraft Potential Observations. <i>Astrophysical Journal, Supplement Series</i> , <b>2020</b> , 250, 35	8	9
195	Magnetic Reconnection Inside a Flux Transfer Event-Like Structure in Magnetopause Kelvin-Helmholtz Waves. <i>Journal of Geophysical Research: Space Physics</i> , <b>2020</b> , 125, e2019JA027527	2.6	5
194	Sequential Observations of Flux Transfer Events, Poleward-Moving Auroral Forms, and Polar Cap Patches. <i>Journal of Geophysical Research: Space Physics</i> , <b>2020</b> , 125, e2019JA027674	2.6	3
193	Energetic Proton Acceleration Associated With Io's Footprint Tail. <i>Geophysical Research Letters</i> , <b>2020</b> , 47, e2020GL090839	4.9	6
192	Electron Bernstein waves driven by electron crescents near the electron diffusion region. <i>Nature Communications</i> , <b>2020</b> , 11, 141	17.4	14
191	Proton Acceleration by Io's Alfvénic Interaction. <i>Journal of Geophysical Research: Space Physics</i> , <b>2020</b> , 125, e2019JA027314	2.6	8
190	A Case Study of Nonresonant Mode 3-s ULF Waves Observed by MMS. <i>Journal of Geophysical Research: Space Physics</i> , <b>2020</b> , 125, e2020JA028557	2.6	1
189	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
188	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
187	Flux Transfer Event Showers at Mercury: Dependence on Plasma In and Magnetic Shear and Their Contribution to the Dungey Cycle. <i>Geophysical Research Letters</i> , <b>2020</b> , 47, e2020GL089784	4.9	9
186	Magnetotail reconnection onset caused by electron kinetics with a strong external driver. <i>Nature Communications</i> , <b>2020</b> , 11, 5049	17.4	37

185	Electron Inflow Velocities and Reconnection Rates at Earth's Magnetopause and Magnetosheath. <i>Geophysical Research Letters</i> , <b>2020</b> , 47, e2020GL089082	4.9	11
184	Estimation of the Electron Density From Spacecraft Potential During High-Frequency Electric Field Fluctuations. <i>Journal of Geophysical Research: Space Physics</i> , <b>2020</b> , 125, e2020JA027854	2.6	5
183	Dissipation of Earthward Propagating Flux Rope Through Re-reconnection with Geomagnetic Field: An MMS Case Study. <i>Journal of Geophysical Research: Space Physics</i> , <b>2019</b> , 124, 7477-7493	2.6	6
182	Four-Spacecraft Measurements of the Shape and Dimensionality of Magnetic Structures in the Near-Earth Plasma Environment. <i>Journal of Geophysical Research: Space Physics</i> , <b>2019</b> , 124, 6850-6868	2.6	5
181	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
180	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
179	MMS Measurements of the Vlasov Equation: Probing the Electron Pressure Divergence Within Thin Current Sheets. <i>Geophysical Research Letters</i> , <b>2019</b> , 46, 7862-7872	4.9	11
178	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
177	Impulsively Reflected Ions: A Plausible Mechanism for Ion Acoustic Wave Growth in Collisionless Shocks. <i>Journal of Geophysical Research: Space Physics</i> , <b>2019</b> , 124, 1855-1865	2.6	12
176	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
175	Alfvénic Fluctuations Associated With Jupiter's Auroral Emissions. <i>Geophysical Research Letters</i> , <b>2019</b> , 46, 7157-7165	4.9	21
174	The Geometry of an Electron Scale Magnetic Cavity in the Plasma Sheet. <i>Geophysical Research Letters</i> , <b>2019</b> , 46, 9308-9317	4.9	7
173	Voyager 2 constraints on plasmoid-based transport at Uranus. <i>Geophysical Research Letters</i> , <b>2019</b> , 46, 10710-10718	4.9	9
172	Electron Vorticity Indicative of the Electron Diffusion Region of Magnetic Reconnection. <i>Geophysical Research Letters</i> , <b>2019</b> , 46, 6287-6296	4.9	13
171	Evidence of Electron Acceleration at a Reconnecting Magnetopause. <i>Geophysical Research Letters</i> , <b>2019</b> , 46, 5645-5652	4.9	24
170	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
169	MMS Multi-Point Analysis of FTE Evolution: Physical Characteristics and Dynamics. <i>Journal of Geophysical Research: Space Physics</i> , <b>2019</b> , 124, 5376-5395	2.6	8
168	Characterizing spacecraft potential effects on measured particle trajectories. <i>Physics of Plasmas</i> , <b>2019</b> , 26, 103504	2.1	5

167	Anisotropy of the Spectral Index in Ion Scale Compressible Turbulence: MMS Observations in the Magnetosheath. <i>Frontiers in Physics</i> , <b>2019</b> , 7,	3.9	10
166	Electrostatic Spacecraft Potential Structure and Wake Formation Effects for Characterization of Cold Ion Beams in the Earth's Magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , <b>2019</b> , 124, 10048-10062	2.6	13
165	Signatures of Magnetic Separatrices at the Borders of a Crater Flux Transfer Event Connected to an Active X-Line. <i>Journal of Geophysical Research: Space Physics</i> , <b>2019</b> , 124, 8600-8616	2.6	4
164	MMS Observations of Plasma Heating Associated With FTE Growth. <i>Geophysical Research Letters</i> , <b>2019</b> , 46, 12654-12664	4.9	14
163	Magnetic Reconnection in Three Dimensions: Observations of Electromagnetic Drift Waves in the Adjacent Current Sheet. <i>Journal of Geophysical Research: Space Physics</i> , <b>2019</b> , 124, 10104-10118	2.6	3
162	Systematic Uncertainties in Plasma Parameters Reported by the Fast Plasma Investigation on NASA's Magnetospheric Multiscale Mission. <i>Journal of Geophysical Research: Space Physics</i> , <b>2019</b> , 124, 10345-10359	2.6	8
161	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
160	Electron Scattering by Low-frequency Whistler Waves at Earth's Bow Shock. <i>Astrophysical Journal</i> , <b>2019</b> , 886, 53	4.7	11
159	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
158	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
157	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
156	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
155	Energy partitioning constraints at kinetic scales in low- turbulence. <i>Physics of Plasmas</i> , <b>2018</b> , 25,	2.1	20
154	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
153	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
152	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
151	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
150	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

149	On Multiple Hall-Like Electron Currents and Tripolar Guide Magnetic Field Perturbations During Kelvin-Helmholtz Waves. <i>Journal of Geophysical Research: Space Physics</i> , <b>2018</b> , 123, 1305-1324	2.6	9
148	Electron Dynamics Within the Electron Diffusion Region of Asymmetric Reconnection. <i>Journal of Geophysical Research: Space Physics</i> , <b>2018</b> , 123, 146-162	2.6	9
147	Electron Jet Detected by MMS at Dipolarization Front. <i>Geophysical Research Letters</i> , <b>2018</b> , 45, 556-564	4.9	56
146	Guide Field Reconnection: Exhaust Structure and Heating. <i>Geophysical Research Letters</i> , <b>2018</b> , 45, 4569-4577	4.7	23
145	Localized Oscillatory Energy Conversion in Magnetopause Reconnection. <i>Geophysical Research Letters</i> , <b>2018</b> , 45, 1237-1245	4.9	31
144	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
143	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
142	Extending the dynamic range of microchannel plate detectors using charge-integration-based counting. <i>Review of Scientific Instruments</i> , <b>2018</b> , 89, 073301	1.7	1
141	Physically Accurate Large Dynamic Range Pseudo Moments for the MMS Fast Plasma Investigation. <i>Earth and Space Science</i> , <b>2018</b> , 5, 503-515	3.1	1
140	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
139	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
138	Electron magnetic reconnection without ion coupling in Earth's turbulent magnetosheath. <i>Nature</i> , <b>2018</b> , 557, 202-206	50.4	173
137	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
136	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
135	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
134	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
133	Effects in the Near-Magnetopause Magnetosheath Elicited by Large-Amplitude Alfvénic Fluctuations Terminating in a Field and Flow Discontinuity. <i>Journal of Geophysical Research: Space Physics</i> , <b>2018</b> , 123, 8983-9004	2.6	1
132	Investigating the anatomy of magnetosheath jets [MMS observations]. <i>Annales Geophysicae</i> , <b>2018</b> , 36, 655-677	2	11



131	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
130	Electron Reconnection in the Magnetopause Current Layer. <i>Journal of Geophysical Research: Space Physics</i> , <b>2018</b> , 123, 9222-9238	2.6	8
129	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
128	Transport of Mass and Energy in Mercury's Plasma Sheet. <i>Geophysical Research Letters</i> , <b>2018</b> , 45, 12,163-170	2.6	10
127	Electron-scale dynamics of the diffusion region during symmetric magnetic reconnection in space. <i>Science</i> , <b>2018</b> , 362, 1391-1395	3.3	139
126	Incompressible Energy Transfer in the Earth's Magnetosheath: Magnetospheric Multiscale Observations. <i>Astrophysical Journal</i> , <b>2018</b> , 866, 106	4.7	32
125	Kinetic Range Spectral Features of Cross Helicity Using the Magnetospheric Multiscale Spacecraft. <i>Physical Review Letters</i> , <b>2018</b> , 121, 265101	7.4	11
124	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, 9941-9951	2.6	40
123	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
122	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
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