J S Halekas

List of Publications by Year in Descending Order

325 papers	8,843 citations	49 h-index	76 g-index
377 ext. papers	10,745 ext. citations	4.5 avg, IF	5.94 L-index

#	Paper	IF	Citations
325	Solitary Magnetic Structures Developed From Gyro-Resonance With Solar Wind Ions at Mars and Earth. *Geophysical Research Letters*, **2022**, 49,	4.9	0
324	Making Waves: Mirror Mode Structures Around Mars Observed by the MAVEN Spacecraft. *Journal of Geophysical Research: Space Physics*, **2022**, 127,	2.6	1
323	Parker Solar Probe Evidence for the Absence of Whistlers Close to the Sun to Scatter Strahl and to Regulate Heat Flux. *Astrophysical Journal Letters*, **2022**, 924, L33	7.9	2
322	Energetic Neutral Atoms near Mars: Predicted Distributions Based on MAVEN Measurements. *Astrophysical Journal*, **2022**, 927, 11	4.7	1
321	Langmuir-Slow Extraordinary Mode Magnetic Signature Observations with Parker Solar Probe. *Astrophysical Journal*, **2022**, 927, 95	4.7	1
320	Particles and Photons as Drivers for Particle Release from the Surfaces of the Moon and Mercury. *Space Science Reviews*, **2022**, 218, 1	7.5	4
319	Core Electron Heating by Triggered Ion Acoustic Waves in the Solar Wind. *Astrophysical Journal Letters*, **2022**, 927, L15	7.9	0
318	Kinetic-scale Current Sheets in Near-Sun Solar Wind: Properties, Scale-dependent Features and Reconnection Onset. *Astrophysical Journal*, **2022**, 929, 58	4.7	0
317	Parker Solar Probe Enters the Magnetically Dominated Solar Corona.. *Physical Review Letters*, **2021**, 127, 255101	7.4	13
316	Ambipolar Electric Field and Potential in the Solar Wind Estimated from Electron Velocity Distribution Functions. *Astrophysical Journal*, **2021**, 921, 83	4.7	4
315	Space Weather Observations With InSight. *Geophysical Research Letters*, **2021**, 48, e2021GL095432	4.9	0
314	Using Solar Wind Helium to Probe the Structure and Seasonal Variability of the Martian Hydrogen Corona. *Journal of Geophysical Research E: Planets*, **2021**, 126, e2021JE007049	4.1	2
313	MAVEN Observations of Low Frequency Steepened Magnetosonic Waves and Associated Heating of the Martian Nightside Ionosphere. *Journal of Geophysical Research: Space Physics*, **2021**, 126, e2021JA029615	2.6	2
312	MOSAIC: A Satellite Constellation to Enable Groundbreaking Mars Climate System Science and Prepare for Human Exploration. *Planetary Science Journal*, **2021**, 2, 211	2.9	1
311	The Dayside Ionopause of Mars: Solar Wind Interaction, Pressure Balance, and Comparisons With Venus. *Journal of Geophysical Research E: Planets*, **2021**, 126, e2021JE006936	4.1	0
310	LRO/LAMP observations of the lunar helium exosphere: constraints on thermal accommodation and outgassing rate. *Monthly Notices of the Royal Astronomical Society*, **2021**, 501, 4438-4451	4.3	2
309	Cross-Shock Electrostatic Potentials at Mars Inferred From MAVEN Measurements. *Journal of Geophysical Research: Space Physics*, **2021**, 126, e2020JA029064	2.6	1

308	Evidence of Subproton-Scale Magnetic Holes in the Venusian Magnetosheath. *Geophysical Research Letters*, **2021**, 48, e2020GL090329	4.9	10
307	Observations of Energized Electrons in the Martian Magnetosheath. *Journal of Geophysical Research: Space Physics*, **2021**, 126, e2020JA028984	2.6	0
306	Electrostatic Waves and Electron Heating Observed Over Lunar Crustal Magnetic Anomalies. *Journal of Geophysical Research: Space Physics*, **2021**, 126, e2020JA028880	2.6	3
305	Parker Solar Probe Evidence for Scattering of Electrons in the Young Solar Wind by Narrowband Whistler-mode Waves. *Astrophysical Journal Letters*, **2021**, 911, L29	7.9	11
304	Induced Magnetospheres. *Geophysical Monograph Series*, **2021**, 391-406	1.1	1
303	Investigating the Moon's Interaction With the Terrestrial Magnetotail Lobe Plasma. *Geophysical Research Letters*, **2021**, 48, e2021GL093566	4.9	3
302	Magnetic increases with central current sheets: observations with Parker Solar Probe. *Astronomy and Astrophysics*, **2021**, 650, A11	5.1	5
301	Electron Bernstein waves and narrowband plasma waves near the electron cyclotron frequency in the near-Sun solar wind. *Astronomy and Astrophysics*, **2021**, 650, A97	5.1	3
300	Volatiles and Refractories in Surface-Bounded Exospheres in the Inner Solar System. *Space Science Reviews*, **2021**, 217, 61	7.5	4
299	Electron heat flux in the near-Sun environment. *Astronomy and Astrophysics*, **2021**, 650, A15	5.1	18
298	Whistler wave occurrence and the interaction with strahl electrons during the first encounter of Parker Solar Probe. *Astronomy and Astrophysics*, **2021**, 650, A9	5.1	9
297	Narrowband oblique whistler-mode waves: comparing properties observed by Parker Solar Probe at . *Astronomy and Astrophysics*, **2021**, 650, A8	5.1	11
296	Prevalence of magnetic reconnection in the near-Sun heliospheric current sheet. *Astronomy and Astrophysics*, **2021**, 650, A13	5.1	8
295	Lunar Photoemission Yields Inferred From ARTEMIS Measurements. *Journal of Geophysical Research E: Planets*, **2021**, 126, e2020JE006790	4.1	
294	Solar wind energy flux observations in the inner heliosphere: first results from Parker Solar Probe. *Astronomy and Astrophysics*, **2021**, 650, A14	5.1	2
293	Precipitating Solar Wind Hydrogen as Observed by the MAVEN Spacecraft: Distribution as a Function of Column Density, Altitude, and Solar Zenith Angle. *Journal of Geophysical Research E: Planets*, **2021**, 126, e2020JE006725	4.1	2
292	Distribution and variability of plasma perturbations observed by ARTEMIS near the Moon in the terrestrial magnetotail. *Advances in Space Research*, **2021**, 68, 259-274	2.4	0
291	Whistlers in the Solar Vicinity That Are Spiky in Time and Frequency. *Astrophysical Journal*, **2021**, 908, 26	4.7	2

290	Precipitating Solar Wind Hydrogen at Mars: Improved Calculations of the Backscatter and Albedo With MAVEN Observations. *Journal of Geophysical Research E: Planets*, **2021**, 126, e2020JE006666	4.1	3
289	The Sunward Electron Deficit: A Telltale Sign of the Sun's Electric Potential. *Astrophysical Journal*, **2021**, 916, 16	4.7	3
288	Solar cycle and seasonal variability of the nightside ionosphere of Mars: Insights from five years of MAVEN observations. *Icarus*, **2021**, 114615	3.8	0
287	ARTEMIS Observations of Lunar Nightside Surface Potentials in the Magnetotail Lobes: Evidence for Micrometeoroid Impact Charging. *Geophysical Research Letters*, **2021**, 48, e2021GL094585	4.9	1
286	The Evolution of Compressible Solar Wind Turbulence in the Inner Heliosphere: PSP, THEMIS, and MAVEN Observations. *Astrophysical Journal*, **2021**, 919, 19	4.7	9
285	On the Solar Wind Proton Temperature Anisotropy at Mars' Orbital Location. *Journal of Geophysical Research: Space Physics*, **2021**, 126, e2021JA029438	2.6	1
284	The Structure of the Martian Quasi-Perpendicular Supercritical Shock as Seen by MAVEN. *Journal of Geophysical Research: Space Physics*, **2021**, 126, e2020JA028938	2.6	2
283	Characteristic Scales of Magnetic Switchback Patches Near the Sun and Their Possible Association With Solar Supergranulation and Granulation. *Astrophysical Journal*, **2021**, 919, 96	4.7	4
282	Variability of Upstream Proton Cyclotron Wave Properties and Occurrence at Mars Observed by MAVEN. *Journal of Geophysical Research: Space Physics*, **2021**, 126, e2020JA028616	2.6	6
281	Kinetic-Scale Turbulence in the Venusian Magnetosheath. *Geophysical Research Letters*, **2021**, 48, e2020GL090783	4.9	8
280	A Solar Source of Alfvenic Magnetic Field Switchbacks: In Situ Remnants of Magnetic Funnels on Supergranulation Scales. *Astrophysical Journal*, **2021**, 923, 174	4.7	5
279	Mars Express Observations of Cold Plasma Structures in the Martian Magnetotail. *Journal of Geophysical Research: Space Physics*, **2020**, 125, e2020JA028056	2.6	3
278	Plasma Turbulence at Comet 67P/Churyumov-Gerasimenko: Rosetta Observations. *Journal of Geophysical Research: Space Physics*, **2020**, 125, e2020JA028100	2.6	2
277	The Magnetic Structure of the Subsolar MPB Current Layer From MAVEN Observations: Implications for the Hall Electric Force. *Geophysical Research Letters*, **2020**, 47, e2020GL089230	4.9	1
276	The Heliospheric Current Sheet and Plasma Sheet during Parker Solar Probe's First Orbit. *Astrophysical Journal Letters*, **2020**, 894, L19	7.9	24
275	Nonstationary Quasiperpendicular Shock and Ion Reflection at Mars. *Geophysical Research Letters*, **2020**, 47, e2020GL088309	4.9	6
274	Reflected Protons in the Lunar Wake and Their Effects on Wake Potentials. *Journal of Geophysical Research: Space Physics*, **2020**, 125, e2020JA028154	2.6	4
273	Solar Wind and Interplanetary Magnetic Field Influence on Ultralow Frequency Waves and Reflected Ions Near the Moon. *Journal of Geophysical Research: Space Physics*, **2020**, 125, e2019JA027209	2.6	2

272	The Solar Probe ANalyzers: Electrons on the Parker Solar Probe. *Astrophysical Journal, Supplement Series*, **2020**, 246, 74	8	53
271	Martian Ionopause Boundary: Coincidence With Photoelectron Boundary and Response to Internal and External Drivers. *Journal of Geophysical Research: Space Physics*, **2020**, 125, e2019JA027409	2.6	6
270	Constraining Ion-Scale Heating and Spectral Energy Transfer in Observations of Plasma Turbulence. *Physical Review Letters*, **2020**, 125, 025102	7.4	13
269	Relating Streamer Flows to Density and Magnetic Structures at the Parker Solar Probe. *Astrophysical Journal, Supplement Series*, **2020**, 246, 37	8	32
268	Characterizing Mars's Magnetotail Topology With Respect to the Upstream Interplanetary Magnetic Fields. *Journal of Geophysical Research: Space Physics*, **2020**, 125, no	2.6	10
267	Plasma Waves near the Electron Cyclotron Frequency in the Near-Sun Solar Wind. *Astrophysical Journal, Supplement Series*, **2020**, 246, 21	8	16
266	Electrons in the Young Solar Wind: First Results from the Parker Solar Probe. *Astrophysical Journal, Supplement Series*, **2020**, 246, 22	8	55
265	Variability of the Solar Wind Flow Asymmetry in the Martian Magnetosheath Observed by MAVEN. *Geophysical Research Letters*, **2020**, 47,	4.9	3
264	Solar Wind Turbulence Around Mars: Relation between the Energy Cascade Rate and the Proton Cyclotron Waves Activity. *Astrophysical Journal*, **2020**, 902, 134	4.7	10
263	Anticorrelation between the Bulk Speed and the Electron Temperature in the Pristine Solar Wind: First Results from the Parker Solar Probe and Comparison with Helios. *Astrophysical Journal, Supplement Series*, **2020**, 246, 62	8	26
262	Daedalus: a low-flying spacecraft for in situ exploration of the lower thermosphere–ionosphere. *Geoscientific Instrumentation, Methods and Data Systems*, **2020**, 9, 153-191	1.5	8
261	The Acceleration of Lunar Ions by Magnetic Forces in the Terrestrial Magnetotail Lobes. *Journal of Geophysical Research: Space Physics*, **2020**, 125, e2020JA027829	2.6	5
260	The global current systems of the Martian induced magnetosphere. *Nature Astronomy*, **2020**, 4, 979-985	12.1	16
259	Variations in the Ionospheric Peak Altitude at Mars in Response to Dust Storms: 13 Years of Observations From the Mars Express Radar Sounder. *Journal of Geophysical Research E: Planets*, **2020**, 125, e2019JE006092	4.1	12
258	Magnetic Holes Upstream of the Martian Bow Shock: MAVEN Observations. *Journal of Geophysical Research: Space Physics*, **2020**, 125, e2019JA027198	2.6	10
257	Influence of the Solar Wind Dynamic Pressure on the Ion Precipitation: MAVEN Observations and Simulation Results. *Journal of Geophysical Research: Space Physics*, **2020**, 125, e2020JA028183	2.6	0
256	Plasma Double Layers at the Boundary Between Venus and the Solar Wind. *Geophysical Research Letters*, **2020**, 47, e2020GL090115	4.9	7
255	Foreshock Cavities at Venus and Mars. *Journal of Geophysical Research: Space Physics*, **2020**, 125, e2020JA028023	2.6	4

254	Plasma Convection in the Terrestrial Magnetotail Lobes Measured Near the Moon's Orbit. *Geophysical Research Letters*, **2020**, 47, e2020GL090217	4.9	4
253	Prolonged Lifetime of the Transient Ionized Layer in the Martian Atmosphere Caused by Comet Siding Spring. *Journal of Geophysical Research E: Planets*, **2020**, 125, e2020JE006607	4.1	1
252	Ion Jets Within Current Sheets in the Martian Magnetosphere. *Journal of Geophysical Research: Space Physics*, **2020**, 125, e2020JA028576	2.6	7
251	Variations in Nightside Magnetic Field Topology at Mars. *Geophysical Research Letters*, **2020**, 47, e2020GL088921	4.9	21
250	The Influence of Interplanetary Magnetic Field Direction on Martian Crustal Magnetic Field Topology. *Geophysical Research Letters*, **2020**, 47, e2020GL087757	4.9	7
249	Mars' Ionopause: A Matter of Pressures. *Journal of Geophysical Research: Space Physics*, **2020**, 125, e2020JA028145	2.6	10
248	Properties of Plasma Waves Observed Upstream From Mars. *Journal of Geophysical Research: Space Physics*, **2020**, 125, e2020JA028221	2.6	9
247	MAVEN and MEX Multi-instrument Study of the Dayside of the Martian Induced Magnetospheric Structure Revealed by Pressure Analyses. *Journal of Geophysical Research: Space Physics*, **2019**, 124, 8564-8589	2.6	13
246	Magnetic Field in the Martian Magnetosheath and the Application as an IMF Clock Angle Proxy. *Journal of Geophysical Research: Space Physics*, **2019**, 124, 4295-4313	2.6	7
245	Thin Current Sheets of Sub-ion Scales observed by MAVEN in the Martian Magnetotail. *Geophysical Research Letters*, **2019**, 46, 6214-6222	4.9	13
244	Localized Ionization Hypothesis for Transient Ionospheric Layers. *Journal of Geophysical Research: Space Physics*, **2019**, 124, 4870-4880	2.6	14
243	Mapping the Lunar Wake Potential Structure With ARTEMIS Data. *Journal of Geophysical Research: Space Physics*, **2019**, 124, 3360-3377	2.6	9
242	The Induced Global Looping Magnetic Field on Mars. *Astrophysical Journal Letters*, **2019**, 871, L27	7.9	5
241	The Penetration of Draped Magnetic Field Into the Martian Upper Ionosphere and Correlations With Upstream Solar Wind Dynamic Pressure. *Journal of Geophysical Research: Space Physics*, **2019**, 124, 3021	2.6	2
240	The Influence of Solar Wind Pressure on Martian Crustal Magnetic Field Topology. *Geophysical Research Letters*, **2019**, 46, 2347-2354	4.9	19
239	Electron Density Profiles in the Upper Ionosphere of Mars From 11 Years of MARSIS Data: Variability Due to Seasons, Solar Cycle, and Crustal Magnetic Fields. *Journal of Geophysical Research: Space Physics*, **2019**, 124, 3057	2.6	8
238	MAVEN Case Studies of Plasma Dynamics in Low-Altitude Crustal Magnetic Field at Mars 1: Dayside Ion Spikes Associated With Radial Crustal Magnetic Fields. *Journal of Geophysical Research: Space Physics*, **2019**, 124, 1239-1261	2.6	3
237	The Space Physics Environment Data Analysis System (SPEDAS). *Space Science Reviews*, **2019**, 215, 9	7.5	205

236	The Effects of Solar Wind Dynamic Pressure on the Structure of the Topside Ionosphere of Mars. *Geophysical Research Letters*, **2019**, 46, 8652-8662	4.9	11
235	Influence of Extreme Ultraviolet Irradiance Variations on the Precipitating Ion Flux From MAVEN Observations. *Geophysical Research Letters*, **2019**, 46, 7761-7768	4.9	2
234	The Modulation of Solar Wind Hydrogen Deposition in the Martian Atmosphere by Foreshock Phenomena. *Journal of Geophysical Research: Space Physics*, **2019**, 124, 7086-7097	2.6	6
233	Statistical Study of Heavy Ion Outflows From Mars Observed in the Martian-Induced Magnetotail by MAVEN. *Journal of Geophysical Research: Space Physics*, **2019**, 124, 5482-5497	2.6	17
232	Unusual Plasma and Particle Signatures at Mars and STEREO-A Related to CME□CME Interaction. *Astrophysical Journal*, **2019**, 880, 18	4.7	14
231	Recovery Timescales of the Dayside Martian Magnetosphere to IMF Variability. *Geophysical Research Letters*, **2019**, 46, 10977-10986	4.9	9
230	Correcting Parker Solar Probe Electron Measurements for Spacecraft Magnetic and Electric Fields. *Journal of Geophysical Research: Space Physics*, **2019**, 124, 7369-7384	2.6	3
229	Importance of Ambipolar Electric Field in Driving Ion Loss From Mars: Results From a Multifluid MHD Model With the Electron Pressure Equation Included. *Journal of Geophysical Research: Space Physics*, **2019**, 124, 9040-9057	2.6	10
228	The Effects of Crustal Magnetic Fields and Solar EUV Flux on Ionopause Formation at Mars. *Geophysical Research Letters*, **2019**, 46, 10257-10266	4.9	7
227	Expansion and Shrinking of the Martian Topside Ionosphere. *Journal of Geophysical Research: Space Physics*, **2019**, 124, 9725-9738	2.6	8
226	Ion Composition Boundary Layer Instabilities at Mars. *Geophysical Research Letters*, **2019**, 46, 10303-10312	4.9	4
225	Locally Generated ULF Waves in the Martian Magnetosphere: MAVEN Observations. *Journal of Geophysical Research: Space Physics*, **2019**, 124, 8707-8726	2.6	3
224	Alfv□ic velocity spikes and rotational flows in the near-Sun solar wind. *Nature*, **2019**, 576, 228-231	50.4	172
223	Variability of Precipitating Ion Fluxes During the September 2017 Event at Mars. *Journal of Geophysical Research: Space Physics*, **2019**, 124, 420-432	2.6	5
222	Correlations between enhanced electron temperatures and electric field wave power in the Martian ionosphere. *Geophysical Research Letters*, **2018**, 45, 493-501	4.9	8
221	One-Hertz Waves at Mars: MAVEN Observations. *Journal of Geophysical Research: Space Physics*, **2018**, 123, 3460-3476	2.6	6
220	Seasonal Variability of Neutral Escape from Mars as Derived From MAVEN Pickup Ion Observations. *Journal of Geophysical Research E: Planets*, **2018**, 123, 1192-1202	4.1	27
219	Ionospheric Irregularities at Mars Probed by MARSIS Topside Sounding. *Journal of Geophysical Research: Space Physics*, **2018**, 123, 1018-1030	2.6	9

218	Evidence for Neutrals-Foreshock Electrons Impact at Mars. *Geophysical Research Letters*, **2018**, 45, 3768-3774	4.9	11
217	Hydrogen escape from Mars enhanced by deep convection in dust storms. *Nature Astronomy*, **2018**, 2, 126-132	12.1	79
216	Statistical Similarities Between WSA-ENLIL+Cone Model and MAVEN in Situ Observations From November 2014 to March 2016. *Space Weather*, **2018**, 16, 157-171	3.7	1
215	Autocorrelation Study of Solar Wind Plasma and IMF Properties as Measured by the MAVEN Spacecraft. *Journal of Geophysical Research: Space Physics*, **2018**, 123, 2493-2512	2.6	19
214	Magnetic Reconnection on Dayside Crustal Magnetic Fields at Mars: MAVEN Observations. *Geophysical Research Letters*, **2018**, 45, 4550-4558	4.9	20
213	Solar Wind Deflection by Mass Loading in the Martian Magnetosheath Based on MAVEN Observations. *Geophysical Research Letters*, **2018**, 45, 2574-2579	4.9	13
212	On Mars's Atmospheric Sputtering After MAVEN's First Martian Year of Measurements. *Geophysical Research Letters*, **2018**, 45, 4685-4691	4.9	17
211	Anticipated electrical environment at Phobos: Nominal and solar storm conditions. *Advances in Space Research*, **2018**, 62, 2199-2212	2.4	5
210	Martian ionosphere observed by MAVEN. 3. Influence of solar wind and IMF on upper ionosphere. *Planetary and Space Science*, **2018**, 160, 56-65	2	13
209	The Twisted Configuration of the Martian Magnetotail: MAVEN Observations. *Geophysical Research Letters*, **2018**, 45, 4559-4568	4.9	38
208	Discovery of a proton aurora at Mars. *Nature Astronomy*, **2018**, 2, 802-807	12.1	29
207	ARTEMIS Observations of Solar Wind Proton Scattering off the Lunar Surface. *Journal of Geophysical Research: Space Physics*, **2018**, 123, 5289-5299	2.6	13
206	Ionizing Electrons on the Martian Nightside: Structure and Variability. *Journal of Geophysical Research: Space Physics*, **2018**, 123, 4349-4363	2.6	25
205	MARSIS Observations of the Martian Nightside Ionosphere During the September 2017 Solar Event. *Geophysical Research Letters*, **2018**, 45, 7960-7967	4.9	13
204	Responses of the Martian Magnetosphere to an Interplanetary Coronal Mass Ejection: MAVEN Observations and LatHyS Results. *Geophysical Research Letters*, **2018**, 45, 7891-7900	4.9	13
203	Observations and Impacts of the 10 September 2017 Solar Events at Mars: An Overview and Synthesis of the Initial Results. *Geophysical Research Letters*, **2018**, 45, 8871-8885	4.9	49
202	Dynamics of Intense Currents in the Solar Wind. *Astrophysical Journal*, **2018**, 859, 95	4.7	13
201	Field-Aligned Electrostatic Potentials Above the Martian Exobase From MGS Electron Reflectometry: Structure and Variability. *Journal of Geophysical Research E: Planets*, **2018**, 123, 67-92	4.1	11

200	Formation Timescales of Amorphous Rims on Lunar Grains Derived From ARTEMIS Observations. *Journal of Geophysical Research E: Planets*, **2018**, 123, 37-46	4.1	21
199	Reconnection in the Martian Magnetotail: Hall-MHD With Embedded Particle-in-Cell Simulations. *Journal of Geophysical Research: Space Physics*, **2018**, 123, 3742-3763	2.6	12
198	Effects of the Crustal Magnetic Fields and Changes in the IMF Orientation on the Magnetosphere of Mars: MAVEN Observations and LatHyS Results. *Journal of Geophysical Research: Space Physics*, **2018**, 123, 5315-5333	2.6	14
197	Comparison of Global Martian Plasma Models in the Context of MAVEN Observations. *Journal of Geophysical Research: Space Physics*, **2018**, 123, 3714-3726	2.6	7
196	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
195	Measurements of Forbush decreases at Mars: both by MSL on ground and by MAVEN in orbit. *Astronomy and Astrophysics*, **2018**, 611, A79	5.1	21
194	Structure and Variability of the Martian Ion Composition Boundary Layer. *Journal of Geophysical Research: Space Physics*, **2018**, 123, 8439-8458	2.6	14
193	Evidence for Crustal Magnetic Field Control of Ions Precipitating Into the Upper Atmosphere of Mars. *Journal of Geophysical Research: Space Physics*, **2018**, 123, 8572-8586	2.6	11
192	The Structure of Martian Magnetosphere at the Dayside Terminator Region as Observed on MAVEN Spacecraft. *Journal of Geophysical Research: Space Physics*, **2018**, 123, 2679-2695	2.6	6
191	An Artificial Neural Network for Inferring Solar Wind Proxies at Mars. *Geophysical Research Letters*, **2018**, 45, 10,855	4.9	6
190	The Three-Dimensional Bow Shock of Mars as Observed by MAVEN. *Journal of Geophysical Research: Space Physics*, **2018**, 123, 4542-4555	2.6	24
189	Solar Wind Interaction With the Martian Upper Atmosphere: Roles of the Cold Thermosphere and Hot Oxygen Corona. *Journal of Geophysical Research: Space Physics*, **2018**, 123, 6639-6654	2.6	13
188	A Tenuous Lunar Ionosphere in the Geomagnetic Tail. *Geophysical Research Letters*, **2018**, 45, 9450-9459	4.9	7
187	Global Aurora on Mars During the September 2017 Space Weather Event. *Geophysical Research Letters*, **2018**, 45, 7391-7398	4.9	26
186	Cold Dense Ion Outflow Observed in the Martian-Induced Magnetotail by MAVEN. *Geophysical Research Letters*, **2018**, 45, 5283-5289	4.9	14
185	The Impact and Solar Wind Proxy of the 2017 September ICME Event at Mars. *Geophysical Research Letters*, **2018**, 45, 7248-7256	4.9	21
184	Loss of the Martian atmosphere to space: Present-day loss rates determined from MAVEN observations and integrated loss through time. *Icarus*, **2018**, 315, 146-157	3.8	136
183	MAVEN Observations of Solar Wind-Driven Magnetosonic Waves Heating the Martian Dayside Ionosphere. *Journal of Geophysical Research: Space Physics*, **2018**, 123, 4129-4149	2.6	25

182	MAVEN measured oxygen and hydrogen pickup ions: Probing the Martian exosphere and neutral escape. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 3689-3706	2.6	45
181	Whistler mode waves upstream of Saturn. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 227-284	2.6	3
180	Photochemical escape of oxygen from Mars: First results from MAVEN in situ data. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 3815-3836	2.6	74
179	Martian electron foreshock from MAVEN observations. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 1531-1541	2.6	10
178	Characterization of turbulence in the Mars plasma environment with MAVEN observations. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 656-674	2.6	22
177	Structure, dynamics, and seasonal variability of the Mars-solar wind interaction: MAVEN Solar Wind Ion Analyzer in-flight performance and science results. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 547-578	2.6	127
176	MAVEN observations on a hemispheric asymmetry of precipitating ions toward the Martian upper atmosphere according to the upstream solar wind electric field. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 1083-1101	2.6	15
175	Seasonal variability of Martian ion escape through the plume and tail from MAVEN observations. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 4009-4022	2.6	43
174	MAVEN observations of the solar cycle 24 space weather conditions at Mars. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 2768-2794	2.6	55
173	ARTEMIS observations of the solar wind proton scattering function from lunar crustal magnetic anomalies. *Journal of Geophysical Research E: Planets*, **2017**, 122, 771-783	4.1	13
172	Survey of magnetic reconnection signatures in the Martian magnetotail with MAVEN. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 5114-5131	2.6	25
171	Martian magnetic storms. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 6185-6209	2.6	29
170	Mars's magnetotail: Nature's current sheet laboratory. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 5404-5417	2.6	15
169	Seasonal variability of the hydrogen exosphere of Mars. *Journal of Geophysical Research E: Planets*, **2017**, 122, 901-911	4.1	58
168	The transient topside layer and associated current sheet in the ionosphere of Mars. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 5579-5590	2.6	9
167	Distribution and solar wind control of compressional solar wind-magnetic anomaly interactions observed at the Moon by ARTEMIS. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 6240-6254	2.6	4
166	Photoemission and electrostatic potentials on the dayside lunar surface in the terrestrial magnetotail lobes. *Geophysical Research Letters*, **2017**, 44, 5276-5282	4.9	7
165	Evidence for detection of energetic neutral atoms by LADEE. *Planetary and Space Science*, **2017**, 139, 31-36	2	2

164	MAVEN observations of tail current sheet flapping at Mars. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 4308-4324	2.6	27
163	MAVEN observations of a giant ionospheric flux rope near Mars resulting from interaction between the crustal and interplanetary draped magnetic fields. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 828-842	2.6	13
162	Identifying Ultra Low Frequency Waves in the Lunar Plasma Environment Using Trajectory Analysisand Resonance Conditions. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 9983-9993	2.6	3
161	On the origins of magnetic flux ropes in near-Mars magnetotail current sheets. *Geophysical Research Letters*, **2017**, 44, 7653-7662	4.9	14
160	Spontaneous hot flow anomalies at Mars and Venus. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 9910-9923	2.6	12
159	Characterization of Low-Altitude Nightside Martian Magnetic Topology Using Electron Pitch Angle Distributions. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 9777-9789	2.6	32
158	The Martian Photoelectron Boundary as Seen by MAVEN. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 10,472-10,485	2.6	21
157	Statistical Study of Relations Between the Induced Magnetosphere, Ion Composition, and Pressure Balance Boundaries Around Mars Based On MAVEN Observations. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 9723-9737	2.6	25
156	Effects of solar irradiance on the upper ionosphere and oxygen ion escape at Mars: MAVEN observations. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 7142-7152	2.6	25
155	Electric and magnetic variations in the near-Mars environment. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 8536-8559	2.6	25
154	The Mars crustal magnetic field control of plasma boundary locations and atmospheric loss: MHD prediction and comparison with MAVEN. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 4117-4137	2.6	37
153	Statistical analysis of the reflection of incident O+ pickup ions at Mars: MAVEN observations. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 4089-4101	2.6	6
152	On the Origins of Mars' Exospheric Nonthermal Oxygen Component as Observed by MAVEN and Modeled by HELIOSARES. *Journal of Geophysical Research E: Planets*, **2017**, 122, 2401-2428	4.1	19
151	Flows, Fields, and Forces in the Mars-Solar Wind Interaction. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 11,320-11,341	2.6	39
150	Comparative study of the Martian suprathermal electron depletions based on Mars Global Surveyor, Mars Express, and Mars Atmosphere and Volatile EvolutioN mission observations. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 857-873	2.6	22
149	The Effect of Solar Wind Variations on the Escape of Oxygen Ions From Mars Through Different Channels: MAVEN Observations. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 11,285-11,301	2.6	26
148	Variations of the Martian plasma environment during the ICME passage on 8 March 2015: A time-dependent MHD study. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 1714-1730	2.6	30
147	Dynamic response of the Martian ionosphere to an interplanetary shock: Mars Express and MAVEN observations. *Geophysical Research Letters*, **2017**, 44, 9116-9123	4.9	10

146	Ion Heating in the Martian Ionosphere. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 10,612-10,625	2.6	6
145	Response of the Martian ionosphere to solar activity including SEPs and ICMEs in a two-week period starting on 25 February 2015. *Planetary and Space Science*, **2017**, 145, 28-37	2	9
144	O+ ion beams reflected below the Martian bow shock: MAVEN observations. *Journal of Geophysical Research: Space Physics*, **2016**, 121, 3093-3107	2.6	8
143	Plasma clouds and snowplows: Bulk plasma escape from Mars observed by MAVEN. *Geophysical Research Letters*, **2016**, 43, 1426-1434	4.9	24
142	MAVEN observations of partially developed Kelvin-Helmholtz vortices at Mars. *Geophysical Research Letters*, **2016**, 43, 4763-4773	4.9	30
141	Continuous solar wind forcing knowledge: Providing continuous conditions at Mars with the WSA-ENLIL + Cone model. *Journal of Geophysical Research: Space Physics*, **2016**, 121, 6207-6222	2.6	8
140	ARTEMIS observations of terrestrial ionospheric molecular ion outflow at the Moon. *Geophysical Research Letters*, **2016**, 43, 6749-6758	4.9	19
139	MAVEN observation of an obliquely propagating low-frequency wave upstream of Mars. *Journal of Geophysical Research: Space Physics*, **2016**, 121, 2374-2389	2.6	16
138	Shadowing and anisotropy of solar energetic ions at Mars measured by MAVEN during the March 2015 solar storm. *Journal of Geophysical Research: Space Physics*, **2016**, 121, 2818-2829	2.6	13
137	3D PIC SIMULATIONS OF COLLISIONLESS SHOCKS AT LUNAR MAGNETIC ANOMALIES AND THEIR ROLE IN FORMING LUNAR SWIRLS. *Astrophysical Journal*, **2016**, 830, 146	4.7	14
136	Space Weather Storm Responses at Mars: Lessons from A Weakly Magnetized Terrestrial Planet. *Proceedings of the International Astronomical Union*, **2016**, 12, 211-217	0.1	
135	MAVEN observations of energy-time dispersed electron signatures in Martian crustal magnetic fields. *Geophysical Research Letters*, **2016**, 43, 939-944	4.9	15
134	Lunar exospheric helium observations of LRO/LAMP coordinated with ARTEMIS. *Icarus*, **2016**, 273, 36-44	3.8	12
133	Structure and composition of the distant lunar exosphere: Constraints from ARTEMIS observations of ion acceleration in time-varying fields. *Journal of Geophysical Research E: Planets*, **2016**, 121, 1102-1115	4.1	4
132	Solar Wind Electrons Alphas and Protons (SWEAP) Investigation: Design of the Solar Wind and Coronal Plasma Instrument Suite for Solar Probe Plus. *Space Science Reviews*, **2016**, 204, 131-186	7.5	257
131	Understanding temporal and spatial variability of the lunar helium atmosphere using simultaneous observations from LRO, LADEE, and ARTEMIS. *Icarus*, **2016**, 273, 45-52	3.8	15
130	LADEE/LDEX observations of lunar pickup ion distribution and variability. *Geophysical Research Letters*, **2016**, 43, 3069-3077	4.9	12
129	Proton cyclotron waves occurrence rate upstream from Mars observed by MAVEN: Associated variability of the Martian upper atmosphere. *Journal of Geophysical Research: Space Physics*, **2016**, 121, 11,113-11,128	2.6	40

128	MAVEN observations of electron-induced whistler mode waves in the Martian magnetosphere. *Journal of Geophysical Research: Space Physics*, **2016**, 121, 9717-9731	2.6	19
127	Solar wind interaction with comet 67P: Impacts of corotating interaction regions. *Journal of Geophysical Research: Space Physics*, **2016**, 121, 949-965	2.6	26
126	MAVEN observations of magnetic flux ropes with a strong field amplitude in the Martian magnetosheath during the ICME passage on 8 March 2015. *Geophysical Research Letters*, **2016**, 43, 4816-4824	4.9	13
125	Upstream Waves and Particles at the Moon. *Geophysical Monograph Series*, **2016**, 307-322	1.1	13
124	The Mars Atmosphere and Volatile Evolution (MAVEN) Mission. *Space Science Reviews*, **2015**, 195, 3-48	7.5	405
123	MAVEN observations of the response of Mars to an interplanetary coronal mass ejection. *Science*, **2015**, 350, aad0210	33.3	131
122	Early MAVEN Deep Dip campaign reveals thermosphere and ionosphere variability. *Science*, **2015**, 350, aad0459	33.3	77
121	The Solar Wind Ion Analyzer for MAVEN. *Space Science Reviews*, **2015**, 195, 125-151	7.5	210
120	Magnetotail dynamics at Mars: Initial MAVEN observations. *Geophysical Research Letters*, **2015**, 42, 8828-8837	4.9	37
119	Response of Mars O+ pickup ions to the 8 March 2015 ICME: Inferences from MAVEN data-based models. *Geophysical Research Letters*, **2015**, 42, 9095-9102	4.9	37
118	Moon's Plasma Wake. *Geophysical Monograph Series*, **2015**, 149-167	1.1	9
117	The electrostatic plasma environment of a small airless body under non-aligned plasma flow and UV conditions. *Planetary and Space Science*, **2015**, 119, 111-120	2	2
116	Low-frequency waves in the Martian magnetosphere and their response to upstream solar wind driving conditions. *Geophysical Research Letters*, **2015**, 42, 8917-8924	4.9	31
115	Strong plume fluxes at Mars observed by MAVEN: An important planetary ion escape channel. *Geophysical Research Letters*, **2015**, 42, 8942-8950	4.9	100
114	MAVEN observations of solar wind hydrogen deposition in the atmosphere of Mars. *Geophysical Research Letters*, **2015**, 42, 8901-8909	4.9	63
113	Detections of lunar exospheric ions by the LADEE neutral mass spectrometer. *Geophysical Research Letters*, **2015**, 42, 5162-5169	4.9	29
112	Multifluid MHD study of the solar wind interaction with Mars' upper atmosphere during the 2015 March 8th ICME event. *Geophysical Research Letters*, **2015**, 42, 9103-9112	4.9	45
111	First results of the MAVEN magnetic field investigation. *Geophysical Research Letters*, **2015**, 42, 8819-8827	4.9	75

110	Ionopause-like density gradients in the Martian ionosphere: A first look with MAVEN. *Geophysical Research Letters*, **2015**, 42, 8885-8893	4.9	30
109	Time-dispersed ion signatures observed in the Martian magnetosphere by MAVEN. *Geophysical Research Letters*, **2015**, 42, 8910-8916	4.9	20
108	Altitude dependence of nightside Martian suprathermal electron depletions as revealed by MAVEN observations. *Geophysical Research Letters*, **2015**, 42, 8877-8884	4.9	35
107	MHD model results of solar wind interaction with Mars and comparison with MAVEN plasma observations. *Geophysical Research Letters*, **2015**, 42, 9113-9120	4.9	46
106	Variability of helium, neon, and argon in the lunar exosphere as observed by the LADEE NMS instrument. *Geophysical Research Letters*, **2015**, 42, 3723-3729	4.9	55
105	Magnetic reconnection in the near-Mars magnetotail: MAVEN observations. *Geophysical Research Letters*, **2015**, 42, 8838-8845	4.9	45
104	Marsward and tailward ions in the near-Mars magnetotail: MAVEN observations. *Geophysical Research Letters*, **2015**, 42, 8925-8932	4.9	25
103	Mars heavy ion precipitating flux as measured by Mars Atmosphere and Volatile EvolutioN. *Geophysical Research Letters*, **2015**, 42, 9135-9141	4.9	33
102	Estimation of the spatial structure of a detached magnetic flux rope at Mars based on simultaneous MAVEN plasma and magnetic field observations. *Geophysical Research Letters*, **2015**, 42, 8933-8941	4.9	13
101	Implications of MAVEN Mars near-wake measurements and models. *Geophysical Research Letters*, **2015**, 42, 9087-9094	4.9	28
100	On the confinement of lunar induced magnetic fields. *Geophysical Research Letters*, **2015**, 42, 6931-6938	4.9	7
99	A hot flow anomaly at Mars. *Geophysical Research Letters*, **2015**, 42, 9121-9127	4.9	14
98	A comet engulfs Mars: MAVEN observations of comet Siding Spring's influence on the Martian magnetosphere. *Geophysical Research Letters*, **2015**, 42, 8810-8818	4.9	8
97	MAVEN insights into oxygen pickup ions at Mars. *Geophysical Research Letters*, **2015**, 42, 8870-8876	4.9	46
96	The spatial distribution of planetary ion fluxes near Mars observed by MAVEN. *Geophysical Research Letters*, **2015**, 42, 9142-9148	4.9	95
95	Statistical characterization of the foremoon particle and wave morphology: ARTEMIS observations. *Journal of Geophysical Research: Space Physics*, **2015**, 120, 4907-4921	2.6	21
94	Solar wind interaction effects on the magnetic fields around Mars: Consequences for interplanetary and crustal field measurements. *Planetary and Space Science*, **2015**, 117, 15-23	2	15
93	Surface charging and electrostatic dust acceleration at the nucleus of comet 67P during periods of low activity. *Planetary and Space Science*, **2015**, 119, 24-35	2	18

92	Anisotropic solar wind sputtering of the lunar surface induced by crustal magnetic anomalies. *Geophysical Research Letters*, **2014**, 41, 4865-4872	4.9	17
91	Lunar dayside current in the terrestrial lobe: ARTEMIS observations. *Journal of Geophysical Research: Space Physics*, **2014**, 119, 3381-3391	2.6	9
90	ARTEMIS observations of extreme diamagnetic fields in the lunar wake. *Geophysical Research Letters*, **2014**, 41, 3766-3773	4.9	30
89	Solar Wind Electrons Alphas and Protons (SWEAP) Science Operations Center initial design and implementation **2014**,		1
88	Extended lunar precursor regions: Electron-wave interaction. *Journal of Geophysical Research: Space Physics*, **2014**, 119, 9160-9173	2.6	11
87	The effects of solar wind velocity distributions on the refilling of the lunar wake: ARTEMIS observations and comparisons to one-dimensional theory. *Journal of Geophysical Research: Space Physics*, **2014**, 119, 5133-5149	2.6	23
86	Evidence for small-scale collisionless shocks at the Moon from ARTEMIS. *Geophysical Research Letters*, **2014**, 41, 7436-7443	4.9	23
85	Dependence of lunar surface charging on solar wind plasma conditions and solar irradiation. *Planetary and Space Science*, **2014**, 90, 10-27	2	52
84	Aurora in Martian Mini Magnetospheres. *Geophysical Monograph Series*, **2013**, 123-132	1.1	9
83	Lunar magnetic field measurements with a cubesat **2013**,		9
82	The self-sputtered contribution to the lunar exosphere. *Journal of Geophysical Research E: Planets*, **2013**, 118, 1934-1944	4.1	14
81	ARTEMIS observations of lunar pickup ions: Mass constraints on ion species. *Journal of Geophysical Research E: Planets*, **2013**, 118, 1766-1774	4.1	13
80	Model-based constraints on the lunar exosphere derived from ARTEMIS pickup ion observations in the terrestrial magnetotail. *Journal of Geophysical Research E: Planets*, **2013**, 118, 1135-1147	4.1	19
79	Using ARTEMIS pickup ion observations to place constraints on the lunar atmosphere. *Journal of Geophysical Research E: Planets*, **2013**, 118, 81-88	4.1	27
78	Redistribution of lunar polar water to mid-latitudes and its role in forming an OH veneer. *Planetary and Space Science*, **2013**, 89, 15-20	2	13
77	ARTEMIS observations of lunar dayside plasma in the terrestrial magnetotail lobe. *Journal of Geophysical Research: Space Physics*, **2013**, 118, 3042-3054	2.6	19
76	Designing a sun-pointing Faraday cup for solar probe plus **2013**,		6
75	The effects of reflected protons on the plasma environment of the moon for parallel interplanetary magnetic fields. *Geophysical Research Letters*, **2013**, 40, 4544-4548	4.9	28

74	Time history of the Martian dynamo from crater magnetic field analysis. *Journal of Geophysical Research E: Planets*, **2013**, 118, 1488-1511	4.1	60
73	The lunar photoelectron sheath: A change in trapping efficiency during a solar storm. *Journal of Geophysical Research E: Planets*, **2013**, 118, 1114-1122	4.1	19
72	Solar-Storm/Lunar Atmosphere Model (SSLAM): An overview of the effort and description of the driving storm environment. *Journal of Geophysical Research*, **2012**, 117,		21
71	Particle-in-cell simulations of the solar wind interaction with lunar crustal magnetic anomalies: Magnetic cusp regions. *Journal of Geophysical Research*, **2012**, 117, n/a-n/a		27
70	A comparison of ARTEMIS observations and particle-in-cell modeling of the lunar photoelectron sheath in the terrestrial magnetotail. *Geophysical Research Letters*, **2012**, 39, n/a-n/a	4.9	20
69	A chain of magnetic flux ropes in the magnetotail of Mars. *Geophysical Research Letters*, **2012**, 39, n/a-n/a	4.9	19
68	Kinetic instabilities in the lunar wake: ARTEMIS observations. *Journal of Geophysical Research*, **2012**, 117, n/a-n/a		21
67	Magnetization of the lunar crust. *Journal of Geophysical Research*, **2012**, 117, n/a-n/a		4
66	ARTEMIS observations of lunar pick-up ions in the terrestrial magnetotail lobes. *Geophysical Research Letters*, **2012**, 39, n/a-n/a	4.9	33
65	Lunar pickup ions observed by ARTEMIS: Spatial and temporal distribution and constraints on species and source locations. *Journal of Geophysical Research*, **2012**, 117, n/a-n/a		34
64	Lunar precursor effects in the solar wind and terrestrial magnetosphere. *Journal of Geophysical Research*, **2012**, 117, n/a-n/a		28
63	Solar wind electron interaction with the dayside lunar surface and crustal magnetic fields: Evidence for precursor effects. *Earth, Planets and Space*, **2012**, 64, 73-82	2.9	26
62	On wind-driven electrojets at magnetic cusps in the nightside ionosphere of Mars. *Earth, Planets and Space*, **2012**, 64, 93-103	2.9	18
61	Negative potentials above the day-side lunar surface in the terrestrial plasma sheet: Evidence of non-monotonic potentials. *Geophysical Research Letters*, **2011**, 38, n/a-n/a	4.9	41
60	Solar wind access to lunar polar craters: Feedback between surface charging and plasma expansion. *Geophysical Research Letters*, **2011**, 38, n/a-n/a	4.9	50
59	First remote measurements of lunar surface charging from ARTEMIS: Evidence for nonmonotonic sheath potentials above the dayside surface. *Journal of Geophysical Research*, **2011**, 116, n/a-n/a		17
58	Large-amplitude compressive sawtooth magnetic field oscillations in the Martian magnetosphere. *Journal of Geophysical Research*, **2011**, 116, n/a-n/a		18
57	Correction to electrons and magnetic fields in the lunar plasma wake *Journal of Geophysical Research*, **2011**, 116, n/a-n/a		2

56	Impact demagnetization of the Martian crust: Current knowledge and future directions. *Earth and Planetary Science Letters*, **2011**, 305, 257-269	5.3	25
55	New views of the lunar plasma environment. *Planetary and Space Science*, **2011**, 59, 1681-1694	2	89
54	Lunar surface electric potential changes associated with traversals through the Earth's foreshock. *Planetary and Space Science*, **2011**, 59, 1727-1743	2	9
53	On the role of dust in the lunar ionosphere. *Planetary and Space Science*, **2011**, 59, 1659-1664	2	49
52	A statistical study of flux ropes in the Martian magnetosphere. *Planetary and Space Science*, **2011**, 59, 1498-1505	2	35
51	Regarding the possible generation of a lunar nightside exo-ionosphere. *Icarus*, **2011**, 216, 169-172	3.8	2
50	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
49	ARTEMIS Science Objectives. *Space Science Reviews*, **2011**, 165, 59-91	7.5	40
48	First lunar wake passage of ARTEMIS: Discrimination of wake effects and solar wind fluctuations by 3D hybrid simulations. *Planetary and Space Science*, **2011**, 59, 661-671	2	41
47	Discharging of Roving Objects in the Lunar Polar Regions. *Journal of Spacecraft and Rockets*, **2011**, 48, 700-704	1.5	15
46	ARTEMIS Science Objectives **2011**, 27-59		4
45	First Results from ARTEMIS, a New Two-Spacecraft Lunar Mission: Counter-Streaming Plasma Populations in the Lunar Wake **2011**, 93-107		3
44	Anticipated electrical environment within permanently shadowed lunar craters. *Journal of Geophysical Research*, **2010**, 115,		52
43	How strong are lunar crustal magnetic fields at the surface?: Considerations from a reexamination of the electron reflectometry technique. *Journal of Geophysical Research*, **2010**, 115,		20
42	Study of impact demagnetization at Mars using Monte Carlo modeling and multiple altitude data. *Journal of Geophysical Research*, **2010**, 115,		40
41	Episodic detachment of Martian crustal magnetic fields leading to bulk atmospheric plasma escape. *Geophysical Research Letters*, **2010**, 37, n/a-n/a	4.9	80
40	A comparison of global models for the solar wind interaction with Mars. *Icarus*, **2010**, 206, 139-151	3.8	92
39	Global distribution, structure, and solar wind control of low altitude current sheets at Mars. *Icarus*, **2010**, 206, 64-73	3.8	15

38	Localized ionization patches in the nighttime ionosphere of Mars and their electrodynamic consequences. *Icarus*, **2010**, 206, 112-119	3.8	50
37	Search for Phobos and Deimos gas/dust tori using in situ observations from Mars Global Surveyor MAG/ER. *Icarus*, **2010**, 206, 189-198	3.8	14
36	Lunar Prospector measurements of secondary electron emission from lunar regolith. *Planetary and Space Science*, **2009**, 57, 78-82	2	45
35	Lunar surface charging during solar energetic particle events: Measurement and prediction. *Journal of Geophysical Research*, **2009**, 114, n/a-n/a		39
34	In situ observations of reconnection Hall magnetic fields at Mars: Evidence for ion diffusion region encounters. *Journal of Geophysical Research*, **2009**, 114, n/a-n/a		52
33	Evidence for collisionless magnetic reconnection at Mars. *Geophysical Research Letters*, **2008**, 35,	4.9	77
32	Loss of solar wind plasma neutrality and affect on surface potentials near the lunar terminator and shadowed polar regions. *Geophysical Research Letters*, **2008**, 35,	4.9	35
31	Concerning the dissipation of electrically charged objects in the shadowed lunar polar regions. *Geophysical Research Letters*, **2008**, 35,	4.9	27
30	Observations of aurorae by SPICAM ultraviolet spectrograph on board Mars Express: Simultaneous ASPERA-3 and MARSIS measurements. *Journal of Geophysical Research*, **2008**, 113, n/a-n/a		58
29	Lunar Prospector observations of the electrostatic potential of the lunar surface and its response to incident currents. *Journal of Geophysical Research*, **2008**, 113, n/a-n/a		96
28	Distribution and variability of accelerated electrons at Mars. *Advances in Space Research*, **2008**, 41, 1347-1352	1.4	24
27	Density cavity observed over a strong lunar crustal magnetic anomaly in the solar wind: A mini-magnetosphere?. *Planetary and Space Science*, **2008**, 56, 941-946	2	53
26	Solar wind interaction with lunar crustal magnetic anomalies. *Advances in Space Research*, **2008**, 41, 1319-1324	1.4	33
25	Global mapping of lunar crustal magnetic fields by Lunar Prospector. *Icarus*, **2008**, 194, 401-409	3.8	128
24	Complex electric fields near the lunar terminator: The near-surface wake and accelerated dust. *Geophysical Research Letters*, **2007**, 34,	4.9	70
23	Model calculations of electron precipitation induced ionization patches on the nightside of Mars. *Geophysical Research Letters*, **2007**, 34,	4.9	42
22	Electron pitch angle distributions as indicators of magnetic field topology near Mars. *Journal of Geophysical Research*, **2007**, 112, n/a-n/a		129
21	Extreme lunar surface charging during solar energetic particle events. *Geophysical Research Letters*, **2007**, 34,	4.9	57

20	The magnetic field draping direction at Mars from April 1999 through August 2004. *Icarus*, **2006**, 182, 464-473	3.8	67
19	On the origin of aurorae on Mars. *Geophysical Research Letters*, **2006**, 33, n/a-n/a	4.9	118
18	Current sheets at low altitudes in the Martian magnetotail. *Geophysical Research Letters*, **2006**, 33,	4.9	47
17	Origins of the Martian aurora observed by Spectroscopy for Investigation of Characteristics of the Atmosphere of Mars (SPICAM) on board Mars Express. *Journal of Geophysical Research*, **2006**, 111,		49
16	On the occurrence of magnetic enhancements caused by solar wind interaction with lunar crustal fields. *Geophysical Research Letters*, **2006**, 33,	4.9	35
15	Whistler waves observed near lunar crustal magnetic sources. *Geophysical Research Letters*, **2006**, 33,	4.9	42
14	Large negative lunar surface potentials in sunlight and shadow. *Geophysical Research Letters*, **2005**, 32,	4.9	54
13	Variability of the altitude of the Martian sheath. *Geophysical Research Letters*, **2005**, 32, n/a-n/a	4.9	103
12	Electrons and magnetic fields in the lunar plasma wake. *Journal of Geophysical Research*, **2005**, 110,		117
11	Correlation of a strong lunar magnetic anomaly with a high-albedo region of the Descartes mountains. *Geophysical Research Letters*, **2003**, 30,	4.9	39
10	Inferring the scale height of the lunar nightside double layer. *Geophysical Research Letters*, **2003**, 30,	4.9	18
9	Magnetic fields of lunar multi-ring impact basins. *Meteoritics and Planetary Science*, **2003**, 38, 565-578	2.8	51
8	Demagnetization signatures of lunar impact craters. *Geophysical Research Letters*, **2002**, 29, 23-1	4.9	29
7	Evidence for negative charging of the lunar surface in shadow. *Geophysical Research Letters*, **2002**, 29, 77-1-77-4	4.9	77
6	Initial mapping and interpretation of lunar crustal magnetic anomalies using Lunar Prospector magnetometer data. *Journal of Geophysical Research*, **2001**, 106, 27825-27839		147
5	Mapping of crustal magnetic anomalies on the lunar near side by the Lunar Prospector electron reflectometer. *Journal of Geophysical Research*, **2001**, 106, 27841-27852		109
4	Magnetospheric electric fields from ion data. *Geophysical Research Letters*, **1999**, 26, 1561-1564	4.9	3
3	Identification of magnetospheric particles that travel between spacecraft and their use to help obtain magnetospheric potential distributions. *Journal of Geophysical Research*, **1998**, 103, 93-102		8

2	Variations in the Ionospheric Peak Altitude at Mars in Response to Dust Storms		2
1	Parker Solar Probe observations of solar wind energetic proton beams produced by magnetic reconnection in the near-Sun heliospheric current sheet. *Geophysical Research Letters*,	4.9	0