Janet G Luhmann

List of Publications by Year
in descending order

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		6592	18606
343	19,192	79	119
papers	citations	h-index	g-index

349	349	349	5129
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The Mars Atmosphere and Volatile Evolution (MAVEN) Mission. Space Science Reviews, 2015, 195, 3-48.	3.7	563
2	Properties of Interplanetary Coronal Mass Ejections at One AU During 1995 â€“ 2004. Solar Physics, 2006, 239, 393-436.	1.0	277
3	Stream structure and coronal sources of the solar wind during the May 12th, 1997 CME. Journal of Atmospheric and Solar-Terrestrial Physics, 2004, 66, 1295-1309.	0.6	272
4	STEREO IMPACT Investigation Goals, Measurements, and Data Products Overview. Space Science Reviews, 2008, 136, 117-184.	3.7	257
5	Magnetic fields near Mars: first results. Nature, 1989, 341, 604-607.	13.7	246
6	The Analyzer of Space Plasmas and Energetic Atoms (ASPERA-3) for the Mars Express Mission. Space Science Reviews, 2007, 126, 113-164.	3.7	241
7	Evolutionary impact of sputtering of the Martian atmosphere by O⁺ pickup ions. Geophysical Research Letters, 1992, 19, 2151-2154.	1.5	236
8	Properties of Stream Interactions at One AU During 1995 â€“ 2004. Solar Physics, 2006, 239, 337-392.	1.0	234
9	A Comparison between Global Solar Magnetohydrodynamic and Potential Field Source Surface Model Results. Astrophysical Journal, 2006, 653, 1510-1516.	1.6	227
10	Observations of an extreme storm in interplanetary space caused by successive coronal mass ejections. Nature Communications, 2014, 5, 3481.	5.8	223
11	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.	1.1	216
12	The Analyser of Space Plasmas and Energetic Atoms (ASPERA-4) for the Venus Express mission. Planetary and Space Science, 2007, 55, 1772-1792.	0.9	214
13	The STEREO/IMPACT Magnetic Field Experiment. Space Science Reviews, 2008, 136, 203-226.	3.7	209
14	Solar Wind-Induced Atmospheric Erosion at Mars: First Results from ASPERA-3 on Mars Express. Science, 2004, 305, 1933-1936.	6.0	204
15	Topological Evolution of a Fast Magnetic Breakout CME in Three Dimensions. Astrophysical Journal, 2008, 683, 1192-1206.	1.6	204
16	Dayside pickup oxygen ion precipitation at Venus and Mars: Spatial distributions, energy deposition and consequences. Journal of Geophysical Research, 1991, 96, 5457-5467.	3.3	196
17	Composition of Titan's ionosphere. Geophysical Research Letters, 2006, 33, .	1.5	191
18	Structure, dynamics, and seasonal variability of the Marsâ€“solar wind interaction: MAVEN Solar Wind Ion Analyzer inâ€flight performance and science results. Journal of Geophysical Research: Space Physics, 2017, 122, 547-578.	0.8	191

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19	The Cassini Ion and Neutral Mass Spectrometer (INMS) Investigation. Space Science Reviews, 2004, 114, 113-231.	3.7	188
20	A Three-dimensional Model of the Solar Wind Incorporating Solar Magnetogram Observations. Astrophysical Journal, 2003, 595, L57-L61.	1.6	179
21	The solar wind interaction with Venus. Space Science Reviews, 1986, 44, 241.	3.7	178
22	Solar cycle evolution of the structure of magnetic clouds in the inner heliosphere. Geophysical Research Letters, 1998, 25, 2959-2962.	1.5	171
23	The loss of ions from Venus through the plasma wake. Nature, 2007, 450, 650-653.	13.7	168
24	MAVEN observations of the response of Mars to an interplanetary coronal mass ejection. Science, 2015, 350, aad0210.	6.0	166
25	An observational study of the nightside ionospheres of Mars and Venus with radio occultation methods. Journal of Geophysical Research, 1990, 95, 17095-17102.	3.3	152
26	Relationships between coronal mass ejection speeds from coronagraph images and interplanetary characteristics of associated interplanetary coronal mass ejections. Journal of Geophysical Research, 1999, 104, 12515-12523.	3.3	151
27	Geomagnetic response to magnetic clouds of different polarity. Geophysical Research Letters, 1998, 25, 2999-3002.	1.5	148
28	CONNECTING SPEEDS, DIRECTIONS AND ARRIVAL TIMES OF 22 CORONAL MASS EJECTIONS FROM THE SUN TO 1 AU. Astrophysical Journal, 2014, 787, 119.	1.6	145
29	Multispacecraft observation of magnetic cloud erosion by magnetic reconnection during propagation. Journal of Geophysical Research, 2012, 117, .	3.3	143
30	Strong plume fluxes at Mars observed by MAVEN: An important planetary ion escape channel. Geophysical Research Letters, 2015, 42, 8942-8950.	1.5	143
31	On the origin of aurorae on Mars. Geophysical Research Letters, 2006, 33, n/a-n/a.	1.5	139
32	Magnetic fields in the ionosphere of Venus. Space Science Reviews, 1991, 55, 201.	3.7	133
33	RECONSTRUCTING CORONAL MASS EJECTIONS WITH COORDINATED IMAGING AND IN SITU OBSERVATIONS: GLOBAL STRUCTURE, KINEMATICS, AND IMPLICATIONS FOR SPACE WEATHER FORECASTING. Astrophysical Journal, 2010, 722, 1762-1777.	1.6	128
34	How unprecedented a solar minimum?. Reviews of Geophysics, 2010, 48, .	9.0	128
35	Comparing Solar Minimum 23/24 with Historical Solar Wind Records at 1 AU. Solar Physics, 2011, 274, 321-344.	1.0	128
36	Characteristics of the Marslike limit of the Venusâ€solar wind interaction. Journal of Geophysical Research, 1987, 92, 8545-8557.	3.3	126

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37	Upstream waves at Mars: Phobos observations. Geophysical Research Letters, 1990, 17, 897-900.	1.5	125
38	A postâ€Pioneer Venus reassessment of the Martian dayside ionosphere as observed by radio occultation methods. Journal of Geophysical Research, 1990, 95, 14829-14839.	3.3	125
39	Impact of space weather on climate and habitability of terrestrial-type exoplanets. International Journal of Astrobiology, 2020, 19, 136-194.	0.9	125
40	Solar cycle changes in coronal holes and space weather cycles. Journal of Geophysical Research, 2002, 107, SMP 3-1-SMP 3-12.	3.3	124
41	THE VERY UNUSUAL INTERPLANETARY CORONAL MASS EJECTION OF 2012 JULY 23: A BLAST WAVE MEDIATED BY SOLAR ENERGETIC PARTICLES. Astrophysical Journal, 2013, 770, 38.	1.6	123
42	ON SUN-TO-EARTH PROPAGATION OF CORONAL MASS EJECTIONS. Astrophysical Journal, 2013, 769, 45.	1.6	120
43	Charge exchange near Mars: The solar wind absorption and energetic neutral atom production. Journal of Geophysical Research, 1997, 102, 22183-22197.	3.3	116
44	Mars solar wind interaction: Formation of the Martian corona and atmospheric loss to space. Journal of Geophysical Research, 2007, 112, .	3.3	115
45	The spatial distribution of planetary ion fluxes near Mars observed by MAVEN. Geophysical Research Letters, 2015, 42, 9142-9148.	1.5	115
46	Solar and interplanetary control of the location of the Venus bow shock. Journal of Geophysical Research, 1988, 93, 5461-5469.	3.3	114
47	Global MHD Modeling of the Solar Corona and Inner Heliosphere for the Whole Heliosphere Interval. Solar Physics, 2011, 274, 361-377.	1.0	114
48	QUIET-TIME INTERPLANETARY â^¼2-20 keV SUPERHALO ELECTRONS AT SOLAR MINIMUM. Astrophysical Journal Letters, 2012, 753, L23.	3.0	114
49	ROTATION OF CORONAL MASS EJECTIONS DURING ERUPTION. Astrophysical Journal, 2009, 697, 1918-1927.	1.6	113
50	Holes in the nightside ionosphere of Venus. Journal of Geophysical Research, 1982, 87, 199-211.	3.3	111
51	Electron heat flux dropouts in the solar wind: Evidence for interplanetary magnetic field reconnection?. Journal of Geophysical Research, 1989, 94, 6907-6916.	3.3	111
52	The magnetotail of Mars: Phobos observations. Geophysical Research Letters, 1990, 17, 885-888.	1.5	111
53	Plasma Acceleration Above Martian Magnetic Anomalies. Science, 2006, 311, 980-983.	6.0	111
54	MULTI-POINT SHOCK AND FLUX ROPE ANALYSIS OF MULTIPLE INTERPLANETARY CORONAL MASS EJECTIONS AROUND 2010 AUGUST 1 IN THE INNER HELIOSPHERE. Astrophysical Journal, 2012, 758, 10.	1.6	109

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55	Cassini Ion and Neutral Mass Spectrometer data in Titan's upper atmosphere and exosphere: Observation of a suprathermal corona. Journal of Geophysical Research, 2007, 112, .	3.3	108
56	A comparison of global models for the solar wind interaction with Mars. Icarus, 2010, 206, 139-151.	1.1	108
57	Martian lowâ€altitude magnetic topology deduced from MAVEN/SWEA observations. Journal of Geophysical Research: Space Physics, 2017, 122, 1831-1852.	0.8	107
58	Merging of coronal and heliospheric numerical two-dimensional MHD models. Journal of Geophysical Research, 2002, 107, SSH 14-1-SSH 14-11.	3.3	106
59	Statistical study of magnetic cloud erosion by magnetic reconnection. Journal of Geophysical Research: Space Physics, 2015, 120, 43-60.	0.8	106
60	Carbon dioxide photoelectron energy peaks at Mars. Icarus, 2006, 182, 371-382.	1.1	105
61	The ancient oxygen exosphere of Mars: Implications for atmosphere evolution. Journal of Geophysical Research, 1993, 98, 10915-10923.	3.3	104
62	Mass composition of the escaping plasma at Mars. Icarus, 2006, 182, 320-328.	1.1	103
63	Observations of large scale steady magnetic fields in the dayside Venus ionosphere. Geophysical Research Letters, 1980, 7, 917-920.	1.5	102
64	On the sources of interplanetary shocks at 0.72 AU. Journal of Geophysical Research, 1994, 99, 11.	3.3	102
65	Mars Express and Venus Express multi-point observations of geoeffective solar flare events in December 2006. Planetary and Space Science, 2008, 56, 873-880.	0.9	102
66	STEREO observations of interplanetary coronal mass ejections and prominence deflection during solar minimum period. Annales Geophysicae, 2009, 27, 4491-4503.	0.6	102
67	Initial results from the MAVEN mission to Mars. Geophysical Research Letters, 2015, 42, 8791-8802.	1.5	101
68	INTERACTIONS BETWEEN CORONAL MASS EJECTIONS VIEWED IN COORDINATED IMAGING AND IN SITU OBSERVATIONS. Astrophysical Journal Letters, 2012, 746, L15.	3.0	99
69	Characterizing Atmospheric Escape from Mars Today and Through Time, with MAVEN. Space Science Reviews, 2015, 195, 357-422.	3.7	99
70	A Multispacecraft Analysis of a Small-Scale Transient Entrained by Solar Wind Streams. Solar Physics, 2009, 256, 307-326.	1.0	93
71	Interplanetary magnetic field control of magnetotail magnetic field geometry: IMP 8 observations. Journal of Geophysical Research, 1994, 99, 11113.	3.3	91
72	Early MAVEN Deep Dip campaign reveals thermosphere and ionosphere variability. Science, 2015, 350, aad0459.	6.0	90

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73	The solar wind interaction with Venus through the eyes of the Pioneer Venus Orbiter. Planetary and Space Science, 2006, 54, 1482-1495.	0.9	89
74	Coronal Field Opens at Lower Height During the Solar Cycles 22 and 23 Minimum Periods: IMF Comparison Suggests the Source Surface Should Be Lowered. Solar Physics, 2011, 269, 367-388.	1.0	87
75	A comparison of induced magnetotails of planetary bodies: Venus, Mars, and Titan. Journal of Geophysical Research, 1991, 96, 11199-11208.	3.3	84
76	Titan's ionosphere: Model comparisons with Cassini Ta data. Geophysical Research Letters, 2005, 32, n/a-n/a.	1.5	81
77	Structure of the martian wake. Icarus, 2006, 182, 329-336.	1.1	81
78	Interplanetary Signatures of Unipolar Streamers and the Origin of the Slow Solar Wind. Solar Physics, 2012, 277, 355-373.	1.0	81
79	PLASMA AND MAGNETIC FIELD CHARACTERISTICS OF SOLAR CORONAL MASS EJECTIONS IN RELATION TO GEOMAGNETIC STORM INTENSITY AND VARIABILITY. Astrophysical Journal Letters, 2015, 809, L34.	3.0	81
80	Effects of crustal field rotation on the solar wind plasma interaction with Mars. Geophysical Research Letters, 2014, 41, 6563-6569.	1.5	80
81	The MAVEN Solar Energetic Particle Investigation. Space Science Reviews, 2015, 195, 153-172.	3.7	79
82	Solar Wind Interaction and Impact on the Venus Atmosphere. Space Science Reviews, 2017, 212, 1453-1509.	3.7	79
83	SOLAR SOURCE AND HELIOSPHERIC CONSEQUENCES OF THE 2010 APRIL 3 CORONAL MASS EJECTION: A COMPREHENSIVE VIEW. Astrophysical Journal, 2011, 734, 84.	1.6	78
84	MAVEN observations of solar wind hydrogen deposition in the atmosphere of Mars. Geophysical Research Letters, 2015, 42, 8901-8909.	1.5	78
85	MAVEN observations of the solar cycle 24 space weather conditions at Mars. Journal of Geophysical Research: Space Physics, 2017, 122, 2768-2794.	0.8	78
86	Multipoint ICME encounters: Pre-STEREO and STEREO observations. Journal of Atmospheric and Solar-Terrestrial Physics, 2011, 73, 1228-1241.	0.6	77
87	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.	1.5	77
88	The IMPACT Solar Wind Electron Analyzer (SWEA). Space Science Reviews, 2008, 136, 227-239.	3.7	76
89	Time scales for the decay of induced largeâ€scale magnetic fields in the Venus ionosphere. Journal of Geophysical Research, 1984, 89, 362-368.	3.3	73
90	Titan's thermospheric response to various plasma environments. Journal of Geophysical Research, 2011, 116, .	3.3	73

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91	The solar cycle dependence of the location and shape of the Venus bow shock. Journal of Geophysical Research, 1990, 95, 14961-14967.	3.3	72
92	Small Solar Wind Transients and Their Connection toÂtheÂLarge-Scale Coronal Structure. Solar Physics, 2009, 256, 327-344.	1.0	71
93	Induced magnetospheres. Advances in Space Research, 2004, 33, 1905-1912.	1.2	70
94	LOW-LATITUDE CORONAL HOLES AT THE MINIMUM OF THE 23rd SOLAR CYCLE. Astrophysical Journal, 2010, 712, 813-818.	1.6	70
95	Observations of ion cyclotron waves in the solar wind near 0.3 AU. Journal of Geophysical Research, 2010, 115, .	3.3	70
96	Optimized Gradâ€‰â€“â€‰Shafranov Reconstruction ofÂaÂMagnetic Cloud Using STEREO-Wind Observations. Solar Physics, 2009, 256, 427-441.	1.0	69
97	Multispacecraft Observations of Magnetic Clouds andÂTheir Solar Origins between 19 and 23 May 2007. Solar Physics, 2009, 254, 325-344.	1.0	68
98	The solar wind interaction with Mars: Consideration of Phobos 2 mission observations of an ion composition boundary on the dayside. Journal of Geophysical Research, 1991, 96, 11165-11174.	3.3	67
99	Coupled model simulation of a Sun-to-Earth space weather event. Journal of Atmospheric and Solar-Terrestrial Physics, 2004, 66, 1243-1256.	0.6	67
100	The Solar Wind at 1 AU During the Declining Phase ofÂSolar Cycle 23: Comparison of 3D Numerical Model Results with Observations. Solar Physics, 2009, 254, 155-183.	1.0	67
101	The Twisted Configuration of the Martian Magnetotail: MAVEN Observations. Geophysical Research Letters, 2018, 45, 4559-4568.	1.5	66
102	Solar Wind Sources in the Late Declining Phase ofÂCycleÂ23: Effects of the Weak Solar Polar Field onÂHighÂSpeed Streams. Solar Physics, 2009, 256, 285-305.	1.0	65
103	Sun to 1 AU propagation and evolution of a slow streamerâ€blowout coronal mass ejection. Journal of Geophysical Research, 2010, 115, .	3.3	65
104	Flows, Fields, and Forces in the Marsâ€Solar Wind Interaction. Journal of Geophysical Research: Space Physics, 2017, 122, 11,320.	0.8	64
105	The Aeronomy of Mars: Characterization by MAVEN of the Upper Atmosphere Reservoir That Regulates Volatile Escape. Space Science Reviews, 2015, 195, 423-456.	3.7	63
106	Magnetic field and plasma wave observations in a plasma cloud at Venus. Geophysical Research Letters, 1982, 9, 45-48.	1.5	62
107	The relationship between large-scale solar magnetic field evolution and coronal mass ejections. Journal of Geophysical Research, 1998, 103, 6585-6593.	3.3	61
108	Cone model-based SEP event calculations for applications to multipoint observations. Advances in Space Research, 2010, 46, 1-21.	1.2	61

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109	Hemispheric asymmetry of the magnetic field wrapping pattern in the Venusian magnetotail. Geophysical Research Letters, 2010, 37, .	1.5	61
110	Asymmetries in the location of the Venus ionopause. Journal of Geophysical Research, 1988, 93, 3927-3941.	3.3	60
111	Threeâ€dimensional simulations of the solar wind interaction with Mars. Journal of Geophysical Research, 1993, 98, 1345-1357.	3.3	60
112	Solar Cycle 21 effects on the interplanetary magnetic field and related parameters at 0.7 and 1.0 AU. Journal of Geophysical Research, 1993, 98, 5559-5572.	3.3	60
113	Atmospheric erosion of Venus during stormy space weather. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	60
114	On the effect of the martian crustal magnetic field on atmospheric erosion. Icarus, 2010, 206, 130-138.	1.1	57
115	SUN-TO-EARTH CHARACTERISTICS OF TWO CORONAL MASS EJECTIONS INTERACTING NEAR 1 AU: FORMATION OF A COMPLEX EJECTA AND GENERATION OF A TWO-STEP GEOMAGNETIC STORM. Astrophysical Journal Letters, 2014, 793, L41.	3.0	57
116	Coronal mass ejection and stream interaction region characteristics and their potential geomagnetic effectiveness. Journal of Geophysical Research, 1995, 100, 16999.	3.3	56
117	Magnetic field near Venus: A comparison between Pioneer Venus Orbiter magnetic field observations and an MHD simulation. Journal of Geophysical Research, 1998, 103, 4723-4737.	3.3	56
118	Numerical interpretation of high-altitude photoelectron observations. Icarus, 2006, 182, 383-395.	1.1	56
119	Multiple, distant (40Â°) in situ observations of a magnetic cloud and a corotating interaction region complex. Journal of Atmospheric and Solar-Terrestrial Physics, 2011, 73, 1254-1269.	0.6	56
120	STEREO Observations of Interplanetary Coronal Mass Ejections in 2007â€“2016. Astrophysical Journal, 2018, 855, 114.	1.6	55
121	A model of the ion wake of Mars. Geophysical Research Letters, 1990, 17, 869-872.	1.5	54
122	Some expected impacts of a solar energetic particle event at Mars. Journal of Geophysical Research, 2002, 107, SIA 5-1.	3.3	54
123	Electric fields within the martian magnetosphere and ion extraction: ASPERA-3 observations. Icarus, 2006, 182, 337-342.	1.1	54
124	Space weather at Venus and its potential consequences for atmosphere evolution. Journal of Geophysical Research, 2007, 112, .	3.3	54
125	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.	1.5	54
126	Sputter contribution to the atmospheric corona on Mars. Journal of Geophysical Research, 1998, 103, 3649-3653.	3.3	53

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127	Comparison of Observations at ACE and Ulysses with Enlil Model Results: Stream Interaction Regions During Carrington Rotations 2016â€‰â€“â€‰2018. Solar Physics, 2011, 273, 179-203.	1.0	53
128	Waves upstream and downstream of interplanetary shocks driven by coronal mass ejections. Journal of Geophysical Research, 2012, 117, .	3.3	53
129	Intermittent release of transients in the slow solar wind: 2. In situ evidence. Journal of Geophysical Research, 2010, 115, .	3.3	52
130	Effects of the Weak Polar Fields of Solar Cycle 23: Investigation Using OMNI for the STEREO Mission Period. Solar Physics, 2009, 256, 345-363.	1.0	51
131	Multispacecraft recovery of a magnetic cloud and its origin from magnetic reconnection on the Sun. Journal of Geophysical Research, 2009, 114, .	3.3	51
132	ARRIVAL TIME CALCULATION FOR INTERPLANETARY CORONAL MASS EJECTIONS WITH CIRCULAR FRONTS AND APPLICATION TOSTEREOOBSERVATIONS OF THE 2009 FEBRUARY 13 ERUPTION. Astrophysical Journal, 2011, 741, 34.	1.6	51
133	A statistical analysis of properties of small transients in the solar wind 2007â€“2009: STEREO and Wind observations. Journal of Geophysical Research: Space Physics, 2014, 119, 689-708.	0.8	51
134	Comparative pick-up ion distributions at Mars and Venus: Consequences for atmospheric deposition and escape. Planetary and Space Science, 2015, 115, 35-47.	0.9	51
135	ON SUN-TO-EARTH PROPAGATION OF CORONAL MASS EJECTIONS: II. SLOW EVENTS AND COMPARISON WITH OTHERS. Astrophysical Journal, Supplement Series, 2016, 222, 23.	3.0	51
136	Modeling Martian Atmospheric Losses over Time: Implications for Exoplanetary Climate Evolution and Habitability. Astrophysical Journal Letters, 2018, 859, L14.	3.0	51
137	Comparative analysis of Venus and Mars magnetotails. Planetary and Space Science, 2008, 56, 812-817.	0.9	48
138	A model for stealth coronal mass ejections. Journal of Geophysical Research: Space Physics, 2016, 121, 10,677.	0.8	48
139	Solar Terrestrial Relations Observatory (STEREO) Observations of Stream Interaction Regions in 2007â€‰â€“â€‰2016: Relationship with Heliospheric Current Sheets, Solar Cycle Variations, and Dual Observations. Solar Physics, 2019, 294, 1.	1.0	48
140	Response of Mars O⁺ pickup ions to the 8 March 2015 ICME: Inferences from MAVEN dataâ€based models. Geophysical Research Letters, 2015, 42, 9095-9102.	1.5	47
141	Interplanetary field control of the location of the Venus bow shock: Evidence for cometâ€like ion pickup. Geophysical Research Letters, 1986, 13, 917-920.	1.5	45
142	The importance of pickup oxygen ion precipitation to the Mars upper atmosphere under extreme solar wind conditions. Geophysical Research Letters, 2013, 40, 1922-1927.	1.5	45
143	Impact of a paleomagnetic field on sputtering loss of Martian atmospheric argon and neon. Journal of Geophysical Research, 1997, 102, 9183-9189.	3.3	44
144	Venus Express observations of atmospheric oxygen escape during the passage of several coronal mass ejections. Journal of Geophysical Research, 2008, 113, .	3.3	44

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145	The Venus ultraviolet aurora: Observations at 130.4 nm. Geophysical Research Letters, 1986, 13, 1047-1050.	1.5	42
146	Venus O+ pickup ions: Collected PVO results and expectations for Venus Express. Planetary and Space Science, 2006, 54, 1457-1471.	0.9	42
147	Stream Interactions and Interplanetary Coronal Mass Ejections at 5.3 AU near the Solar Ecliptic Plane. Solar Physics, 2008, 250, 375-402.	1.0	41
148	Altitude dependence of nightside Martian suprathermal electron depletions as revealed by MAVEN observations. Geophysical Research Letters, 2015, 42, 8877-8884.	1.5	41
149	The Dependence of the Cerean Exosphere on Solar Energetic Particle Events. Astrophysical Journal Letters, 2017, 838, L8.	3.0	41
150	Comparisons of peak ionosphere pressures at Mars and Venus with incident solar wind dynamic Pressure. Journal of Geophysical Research, 1992, 97, 1017-1025.	3.3	40
151	Theoretical modeling for the stereo mission. Space Science Reviews, 2008, 136, 565-604.	3.7	40
152	Martian magnetic storms. Journal of Geophysical Research: Space Physics, 2017, 122, 6185-6209.	0.8	40
153	Hot oxygen escape from Mars: Simple scaling with solar EUV irradiance. Journal of Geophysical Research: Space Physics, 2017, 122, 1102-1116.	0.8	40
154	Stream Interactions and Interplanetary Coronal Mass Ejections atÂ0.72 AU. Solar Physics, 2008, 249, 85-101.	1.0	39
155	Observation of a Complex Solar Wind Reconnection Exhaust from Spacecraft Separated by over 1800 R E. Solar Physics, 2009, 256, 379-392.	1.0	39
156	Mars heavy ion precipitating flux as measured by Mars Atmosphere and Volatile EvolutioN. Geophysical Research Letters, 2015, 42, 9135-9141.	1.5	39
157	The Morphology of the Solar Wind Magnetic Field Draping on the Dayside of Mars and Its Variability. Geophysical Research Letters, 2018, 45, 3356-3365.	1.5	39
158	Investigation of Martian Magnetic Topology Response to 2017 September ICME. Geophysical Research Letters, 2018, 45, 7337-7346.	1.5	39
159	Seasonal Variability of Neutral Escape from Mars as Derived From MAVEN Pickup Ion Observations. Journal of Geophysical Research E: Planets, 2018, 123, 1192-1202.	1.5	38
160	SHOCK CONNECTIVITY IN THE 2010 AUGUST AND 2012 JULY SOLAR ENERGETIC PARTICLE EVENTS INFERRED FROM OBSERVATIONS AND ENLIL MODELING. Astrophysical Journal, 2016, 825, 1.	1.6	37
161	ICME Evolution in the Inner Heliosphere. Solar Physics, 2020, 295, 1.	1.0	37
162	Asymmetries in the location of the Venus and Mars bow shock. Geophysical Research Letters, 1991, 18, 127-129.	1.5	36

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163	Observations of magnetic anomaly signatures in Mars Express ASPERA-3 ELS data. Icarus, 2006, 182, 396-405.	1.1	36
164	Escape probability of Martian atmospheric ions: Controlling effects of the electromagnetic fields. Journal of Geophysical Research, 2010, 115, .	3.3	36
165	The STEREO IMPACT Suprathermal Electron (STE) Instrument. Space Science Reviews, 2008, 136, 241-255.	3.7	35
166	The Solar Magnetic Field and Coronal Dynamics of the Eruption on 2007 May 19. Astrophysical Journal, 2008, 681, L37-L40.	1.6	35
167	Implications of MAVEN Mars nearâ€wake measurements and models. Geophysical Research Letters, 2015, 42, 9087-9094.	1.5	35
168	Modeling solar energetic particle events using ENLIL heliosphere simulations. Space Weather, 2017, 15, 934-954.	1.3	35
169	The properties of the low altitude magnetic belt in the Venus ionosphere. Advances in Space Research, 1982, 2, 13-16.	1.2	34
170	Ion escape at Mars: Comparison of a 3-D hybrid simulation with Mars Express IMA/ASPERA-3 measurements. Icarus, 2006, 182, 350-359.	1.1	34
171	Evolution of solar wind structures from 0.72 to 1AU. Advances in Space Research, 2008, 41, 259-266.	1.2	34
172	Dynamical and magnetic field time constants for Titan's ionosphere: Empirical estimates and comparisons with Venus. Journal of Geophysical Research, 2010, 115, .	3.3	34
173	Interplanetary shocks and foreshocks observed by STEREO during 2007â€“2010. Journal of Geophysical Research: Space Physics, 2016, 121, 992-1008.	0.8	34
174	Shock Connectivity and the Late Cycle 24 Solar Energetic Particle Events in July and September 2017. Space Weather, 2018, 16, 557-568.	1.3	34
175	Analysis of the Internal Structure of the Streamer Blowout Observed by the Parker Solar Probe During the First Solar Encounter. Astrophysical Journal, Supplement Series, 2020, 246, 63.	3.0	34
176	An unusual interplanetary event: encounter with a comet?. Nature, 1983, 305, 612-615.	13.7	33
177	Interaction of the solar wind with the planet Mars: Phobos 2 magnetic field observations. Planetary and Space Science, 1991, 39, 75-81.	0.9	33
178	A model of the ionospheric tail rays of Venus. Journal of Geophysical Research, 1993, 98, 17615-17621.	3.3	33
179	Small solar wind transients at 1ÂAU: STEREO observations (2007â€“2014) and comparison with nearâ€Earth wind results (1995â€“2014). Journal of Geophysical Research: Space Physics, 2016, 121, 5005-5024.	0.8	33
180	A heliospheric simulation-based approach to SEP source and transport modeling. Advances in Space Research, 2007, 40, 295-303.	1.2	32

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