

D J Andrews

List of Publications by Year in descending order

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75
papers

2,773
citations

126708

33
h-index

182168

51
g-index

77
all docs

77
docs citations

77
times ranked

1678
citing authors

#	ARTICLE	IF	CITATIONS
1	Mars's plasma system. Scientific potential of coordinated multipoint missions: "The next generation". <i>Experimental Astronomy</i> , 2022, 54, 641-676.	1.6	9
2	A Two-Spacecraft Study of Mars' Induced Magnetosphere's Response to Upstream Conditions. <i>Journal of Geophysical Research: Space Physics</i> , 2022, 127, .	0.8	2
3	Mars' Ionospheric Interaction With Comet C/2013 A1 Siding Spring's Coma at Their Closest Approach as Seen by Mars Express. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA027344.	0.8	3
4	Mars Express Observations of Cold Plasma Structures in the Martian Magnetotail. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2020JA028056.	0.8	4
5	Observations of Sounder Accelerated Electrons by Mars Express. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA027206.	0.8	1
6	Oblique Reflections of Mars Express MARSIS Radar Signals From Ionospheric Density Structures: Raytracing Analysis. <i>Journal of Geophysical Research E: Planets</i> , 2019, 124, 1177-1187.	1.5	1
7	In Situ Electron Density From Active Sounding: The Influence of the Spacecraft Wake. <i>Geophysical Research Letters</i> , 2019, 46, 10250-10256.	1.5	0
8	Solar flares observed by Rosetta at comet 67P/Churyumov-Gerasimenko. <i>Astronomy and Astrophysics</i> , 2019, 630, A49.	2.1	4
9	Saturn's Dusty Ionosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 1679-1697.	0.8	27
10	The Structure of Planetary Period Oscillations in Saturn's Equatorial Magnetosphere: Results From the Cassini Mission. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 8361-8395.	0.8	9
11	Characterizing Average Electron Densities in the Martian Dayside Upper Ionosphere. <i>Journal of Geophysical Research E: Planets</i> , 2019, 124, 76-93.	1.5	13
12	Saturn's Ionosphere: Electron Density Altitude Profiles and Ring Interaction From The Cassini Grand Finale. <i>Geophysical Research Letters</i> , 2019, 46, 9362-9369.	1.5	20
13	The Dusty Plasma Disk Around the Janus/Epimetheus Ring. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 4668-4678.	0.8	8
14	In situ measurements of Saturn's ionosphere show that it is dynamic and interacts with the rings. <i>Science</i> , 2018, 359, 66-68.	6.0	40
15	Ions Accelerated by Sounder Plasma Interaction as Observed by Mars Express. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 9802-9814.	0.8	5
16	Titan's Variable Ionosphere During the T118 and T119 Cassini Flybys. <i>Geophysical Research Letters</i> , 2018, 45, 8721-8728.	1.5	2
17	The Cassini RPWS/LP Observations of Dusty Plasma in the Kronian System. <i>Proceedings of the International Astronomical Union</i> , 2018, 14, 415-416.	0.0	0
18	Loss of the Martian atmosphere to space: Present-day loss rates determined from MAVEN observations and integrated loss through time. <i>Icarus</i> , 2018, 315, 146-157.	1.1	216

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19	MARSIS Observations of Field-Aligned Irregularities and Ducted Radio Propagation in the Martian Ionosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 6251-6263.	0.8	2
20	Martian ionosphere observed by Mars Express. 2. Influence of solar irradiance on upper ionosphere and escape fluxes. <i>Planetary and Space Science</i> , 2017, 145, 1-8.	0.9	14
21	Electric and magnetic variations in the near-Mars environment. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 8536-8559.	0.8	30
22	Ionospheric Electron Densities at Mars: Comparison of Mars Express Ionospheric Sounding and MAVEN Local Measurements. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 12,393.	0.8	6
23	Interplanetary coronal mass ejection observed at STEREO-A, Mars, comet 67P/Churyumov-Gerasimenko, Saturn, and New Horizons en route to Pluto: Comparison of its Forbush decreases at 1.4, 3.1, and 9.9 AU. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 7865-7890.	0.8	87
24	Mars plasma system response to solar wind disturbances during solar minimum. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 6611-6634.	0.8	24
25	Ion and aerosol precursor densities in Titan's ionosphere: A multi-instrument case study. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 10075-10090.	0.8	23
26	Transport and chemical loss rates in Saturn's inner plasma disk. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 2321-2334.	0.8	3
27	A survey of superthermal electron flux depressions, or "electron holes," within the illuminated Martian induced magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 4835-4857.	0.8	22
28	Empirical model of the Martian dayside ionosphere: Effects of crustal magnetic fields and solar ionizing flux at higher altitudes. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 1760-1771.	0.8	31
29	Solar wind interaction with comet 67P: Impacts of corotating interaction regions. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 949-965.	0.8	33
30	Martian ionosphere observed by Mars Express. 1. Influence of the crustal magnetic fields. <i>Planetary and Space Science</i> , 2016, 124, 62-75.	0.9	32
31	Plasma observations during the Mars atmospheric "plume" event of March-April 2012. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 3139-3154.	0.8	10
32	Enhanced O^{2+} loss at Mars due to an ambipolar electric field from electron heating. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 4668-4678.	0.8	48
33	Electron densities in the ionosphere of Mars: A comparison of MARSIS and radio occultation measurements. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 10,241.	0.8	6
34	CME impact on comet 67P/Churyumov-Gerasimenko. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 462, S45-S56.	1.6	42
35	Annual variations in the Martian bow shock location as observed by the Mars Express mission. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 11,474.	0.8	44
36	Comment on "A new approach to Saturn's periodicities" by J. F. Carbary. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 2418-2422.	0.8	11

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37	The morphology of the topside ionosphere of Mars under different solar wind conditions: Results of a multi-instrument observing campaign by Mars Express in 2010. <i>Planetary and Space Science</i> , 2016, 120, 24-34.	0.9	12
38	Saturn Plasma Sources and Associated Transport Processes. <i>Space Sciences Series of ISSI</i> , 2016, , 237-283.	0.0	1
39	The first in situ electron temperature and density measurements of the Martian nightside ionosphere. <i>Geophysical Research Letters</i> , 2015, 42, 8854-8861.	1.5	62
40	Control of the topside Martian ionosphere by crustal magnetic fields. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 3042-3058.	0.8	45
41	Dayside electron temperature and density profiles at Mars: First results from the MAVEN Langmuir probe and waves instrument. <i>Geophysical Research Letters</i> , 2015, 42, 8846-8853.	1.5	116
42	MARSIS remote sounding of localized density structures in the dayside Martian ionosphere: A study of controlling parameters. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 8125-8145.	0.8	20
43	Saturn Plasma Sources and Associated Transport Processes. <i>Space Science Reviews</i> , 2015, 192, 237-283.	3.7	25
44	Cold ion escape from the Martian ionosphere. <i>Planetary and Space Science</i> , 2015, 119, 92-102.	0.9	26
45	Effects of Saturn's magnetospheric dynamics on Titan's ionosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 8884-8898.	0.8	11
46	Comment on "Magnetic phase structure of Saturn's 10.7h oscillations" by Yates et al.. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 5686-5690.	0.8	5
47	MAVEN observations of the response of Mars to an interplanetary coronal mass ejection. <i>Science</i> , 2015, 350, aad0210.	6.0	166
48	Dust observations at orbital altitudes surrounding Mars. <i>Science</i> , 2015, 350, aad0398.	6.0	41
49	Early MAVEN Deep Dip campaign reveals thermosphere and ionosphere variability. <i>Science</i> , 2015, 350, aad0459.	6.0	90
50	Ionospheric plasma density variations observed at Mars by MAVEN/LPW. <i>Geophysical Research Letters</i> , 2015, 42, 8862-8869.	1.5	32
51	Discrepancy between ionopause and photoelectron boundary determined from Mars Express measurements. <i>Geophysical Research Letters</i> , 2014, 41, 8221-8227.	1.5	21
52	Effects of a strong ICME on the Martian ionosphere as detected by Mars Express and Mars Odyssey. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 5891-5908.	0.8	41
53	Oblique reflections in the Mars Express MARSIS data set: Stable density structures in the Martian ionosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 3944-3960.	0.8	41
54	Cassini nightside observations of the oscillatory motion of Saturn's northern auroral oval. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 3528-3543.	0.8	17

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55	Planetary period magnetic field oscillations in Saturn's magnetosphere: Postequinox abrupt nonmonotonic transitions to northern system dominance. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 3243-3264.	0.8	58
56	Determination of local plasma densities with the MARSIS radar: Asymmetries in the high-altitude Martian ionosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 6228-6242.	0.8	38
57	Mars ionospheric response to solar wind variability. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 6558-6587.	0.8	42
58	Extreme densities in Titan's ionosphere during the T85 magnetosheath encounter. <i>Geophysical Research Letters</i> , 2013, 40, 2879-2883.	1.5	27
59	Solar cycle modulation of Titan's ionosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 5255-5264.	0.8	38
60	Rotational modulation and local time dependence of Saturn's infrared H ₃ auroral intensity. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	33
61	Dual periodicities in planetary-period magnetic field oscillations in Saturn's tail. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	70
62	Planetary period oscillations in Saturn's magnetosphere: Evolution of magnetic oscillation properties from southern summer to post-equinox. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	88
63	Detection of currents and associated electric fields in Titan's ionosphere from Cassini data. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	23
64	Magnetospheric period magnetic field oscillations at Saturn: Equatorial phase "jitter" produced by superposition of southern and northern period oscillations. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	62
65	Planetary period oscillations in Saturn's magnetosphere: Evidence in magnetic field phase data for rotational modulation of Saturn kilometric radiation emissions. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	44
66	Periodic motion of Saturn's nightside plasma sheet. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	84
67	Structured ionospheric outflow during the Cassini T55-T59 Titan flybys. <i>Planetary and Space Science</i> , 2011, 59, 788-797.	0.9	34
68	Magnetic field oscillations near the planetary period in Saturn's equatorial magnetosphere: Variation of amplitude and phase with radial distance and local time. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	66
69	Magnetopause oscillations near the planetary period at Saturn: Occurrence, phase, and amplitude. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	48
70	Magnetospheric period oscillations of Saturn's bow shock. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	34
71	Magnetospheric period oscillations at Saturn: Comparison of equatorial and high-latitude magnetic field periods with north and south Saturn kilometric radiation periods. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	92
72	Polarization and phase of planetary-period magnetic field oscillations on high-latitude field lines in Saturn's magnetosphere. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	83

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73	Planetary period oscillations in Saturn's magnetosphere: Phase relation of equatorial magnetic field oscillations and Saturn kilometric radiation modulation. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	98
74	Modulation of Jupiter's plasma flow, polar currents, and auroral precipitation by solar wind-induced compressions and expansions of the magnetosphere: a simple theoretical model. <i>Annales Geophysicae</i> , 2007, 25, 1433-1463.	0.6	56
75	Cassini observations of planetary-period oscillations of Saturn's magnetopause. <i>Geophysical Research Letters</i> , 2006, 33, .	1.5	51