

Glyn A Collinson

List of Publications by Year in descending order

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Version: 2024-02-01

55
papers

2,820
citations

279798

23
h-index

168389

53
g-index

55
all docs

55
docs citations

55
times ranked

2545
citing authors

#	ARTICLE	IF	CITATIONS
1	A Revised Understanding of the Structure of the Venusian Magnetotail From a High-Altitude Intercept With a Tail Ray by Parker Solar Probe. <i>Geophysical Research Letters</i> , 2022, 49, .	4.0	5
2	The Solar Wind at (16) Psyche: Predictions for a Metal World. <i>Astrophysical Journal</i> , 2022, 927, 202.	4.5	4
3	The Endurance Rocket Mission. <i>Space Science Reviews</i> , 2022, 218, .	8.1	2
4	Depleted Plasma Densities in the Ionosphere of Venus Near Solar Minimum From Parker Solar Probe Observations of Upper Hybrid Resonance Emission. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL092243.	4.0	7
5	Impact of space weather on climate and habitability of terrestrial-type exoplanets. <i>International Journal of Astrobiology</i> , 2020, 19, 136-194.	1.6	125
6	Foreshock Cavities at Venus and Mars. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2020JA028023.	2.4	7
7	Foreshock Bubbles at Venus: Hybrid Simulations and VEX Observations. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA027056.	2.4	14
8	Constantly forming sporadic E-like layers and rifts in the Martian ionosphere and their implications for Earth. <i>Nature Astronomy</i> , 2020, 4, 486-491.	10.1	14
9	Traveling Ionospheric Disturbances at Mars. <i>Geophysical Research Letters</i> , 2019, 46, 4554-4563.	4.0	13
10	Ionospheric Ambipolar Electric Fields of Mars and Venus: Comparisons Between Theoretical Predictions and Direct Observations of the Electric Potential Drop. <i>Geophysical Research Letters</i> , 2019, 46, 1168-1176.	4.0	21
11	MAVEN Case Studies of Plasma Dynamics in Low-Altitude Crustal Magnetic Field at Mars 1: Dayside Ion Spikes Associated With Radial Crustal Magnetic Fields. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 1239-1261.	2.4	6
12	Locally Generated ULF Waves in the Martian Magnetosphere: MAVEN Observations. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 8707-8726.	2.4	8
13	New Results From Galileo's First Flyby of Ganymede: Reconnection-Driven Flows at the Low-Latitude Magnetopause Boundary, Crossing the Cusp, and Icy Ionospheric Escape. <i>Geophysical Research Letters</i> , 2018, 45, 3382-3392.	4.0	20
14	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. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 7241-7256.	2.4	32
15	A hybrid electrostatic retarding potential analyzer for the measurement of plasmas at extremely high energy resolution. <i>Review of Scientific Instruments</i> , 2018, 89, 113306.	1.3	7
16	Field-Aligned Potentials at Mars From MAVEN Observations. <i>Geophysical Research Letters</i> , 2018, 45, 10,119.	4.0	31
17	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.	2.5	216
18	MAVEN Observations of Solar Wind-Driven Magnetosonic Waves Heating the Martian Dayside Ionosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 4129-4149.	2.4	40

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19	Field-Aligned Electrostatic Potentials Above the Martian Exobase From MGS Electron Reflectometry: Structure and Variability. <i>Journal of Geophysical Research E: Planets</i> , 2018, 123, 67-92.	3.6	14
20	Structure, dynamics, and seasonal variability of the Mars-solar wind interaction: MAVEN Solar Wind Ion Analyzer in-flight performance and science results. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 547-578.	2.4	191
21	Unique, non-Earthlike, meteoritic ion behavior in upper atmosphere of Mars. <i>Geophysical Research Letters</i> , 2017, 44, 3066-3072.	4.0	30
22	Structure and Properties of the Foreshock at Venus. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 10,275.	2.4	17
23	Spontaneous hot flow anomalies at Mars and Venus. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 9910-9923.	2.4	15
24	A study of ionopause perturbation and associated boundary wave formation at Venus. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 4284-4298.	2.4	2
25	Electric Mars: A large trans-terminator electric potential drop on closed magnetic field lines above Utopia Planitia. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 2260-2271.	2.4	16
26	Validation of single spacecraft methods for collisionless shock velocity estimation. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 8632-8641.	2.4	3
27	Fast Plasma Investigation for Magnetospheric Multiscale. , 2017, , 329-404.		3
28	Constraining electric fields from electrostatic deflector plates: A brief report and case study from the Fast Plasma Investigation for the Magnetospheric Multiscale Mission. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 7887-7894.	2.4	3
29	Properties of planetward ion flows in Venus's magnetotail. <i>Icarus</i> , 2016, 274, 73-82.	2.5	25
30	Fast Plasma Investigation for Magnetospheric Multiscale. <i>Space Science Reviews</i> , 2016, 199, 331-406.	8.1	960
31	The electric wind of Venus: A global and persistent "polar wind"-like ambipolar electric field sufficient for the direct escape of heavy ionospheric ions. <i>Geophysical Research Letters</i> , 2016, 43, 5926-5934.	4.0	31
32	MAVEN observation of an obliquely propagating low-frequency wave upstream of Mars. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 2374-2389.	2.4	19
33	Magnetotail dynamics at Mars: Initial MAVEN observations. <i>Geophysical Research Letters</i> , 2015, 42, 8828-8837.	4.0	52
34	PROPAGATION OF THE 2014 JANUARY 7 CME AND RESULTING GEOMAGNETIC NON-EVENT. <i>Astrophysical Journal</i> , 2015, 812, 145.	4.5	43
35	The role of the Hall effect in the global structure and dynamics of planetary magnetospheres: Ganymede as a case study. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 5377-5392.	2.4	35
36	Magnetic reconnection in the near-Mars magnetotail: MAVEN observations. <i>Geophysical Research Letters</i> , 2015, 42, 8838-8845.	4.0	59

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37	Electric Mars: The first direct measurement of an upper limit for the Martian "polar wind" electric potential. <i>Geophysical Research Letters</i> , 2015, 42, 9128-9134.	4.0	38
38	A hot flow anomaly at Mars. <i>Geophysical Research Letters</i> , 2015, 42, 9121-9127.	4.0	20
39	The impact of a slow interplanetary coronal mass ejection on Venus. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 3489-3502.	2.4	14
40	MAVEN observations of the response of Mars to an interplanetary coronal mass ejection. <i>Science</i> , 2015, 350, aad0210.	12.6	166
41	Early MAVEN Deep Dip campaign reveals thermosphere and ionosphere variability. <i>Science</i> , 2015, 350, aad0459.	12.6	90
42	The science case for an orbital mission to Uranus: Exploring the origins and evolution of ice giant planets. <i>Planetary and Space Science</i> , 2014, 104, 122-140.	1.7	56
43	A survey of hot flow anomalies at Venus. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 978-991.	2.4	21
44	Active current sheets and candidate hot flow anomalies upstream of Mercury's bow shock. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 853-876.	2.4	22
45	The extension of ionospheric holes into the tail of Venus. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 6940-6953.	2.4	17
46	"Snowplow" injection front effects. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 6478-6488.	2.4	6
47	The geometric factor of electrostatic plasma analyzers: A case study from the Fast Plasma Investigation for the Magnetospheric Multiscale mission. <i>Review of Scientific Instruments</i> , 2012, 83, 033303.	1.3	30
48	Hot flow anomalies at Venus. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	35
49	Short large-amplitude magnetic structures (SLAMS) at Venus. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	17
50	Lunar Net—a proposal in response to an ESA M3 call in 2010 for a medium sized mission. <i>Experimental Astronomy</i> , 2012, 33, 587-644.	3.7	15
51	Uranus Pathfinder: exploring the origins and evolution of Ice Giant planets. <i>Experimental Astronomy</i> , 2012, 33, 753-791.	3.7	44
52	Penetrators for in situ subsurface investigations of Europa. <i>Advances in Space Research</i> , 2011, 48, 725-742.	2.6	51
53	On variable geometric factor systems for top-hat electrostatic space plasma analyzers. <i>Measurement Science and Technology</i> , 2010, 21, 105903.	2.6	10
54	Electron optical study of the Venus Express ASPERA-4 Electron Spectrometer (ELS) top-hat electrostatic analyser. <i>Measurement Science and Technology</i> , 2009, 20, 055204.	2.6	30

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55	Ionospheric photoelectrons at Venus: Initial observations by ASPERA-4 ELS. Planetary and Space Science, 2008, 56, 802-806.	1.7	48