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List of Publications by Year in descending order

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59
papers

3,339
citations

136740

32
h-index

168136

53
g-index

61
all docs

61
docs citations

61
times ranked

2226
citing authors

#	ARTICLE	IF	CITATIONS
1	The Emirates Mars Mission. <i>Space Science Reviews</i> , 2022, 218, 4.	3.7	29
2	Laboratory Study of the Cameron Bands, the First Negative Bands, and Fourth Positive Bands in the Middle Ultraviolet 180–280 nm by Electron Impact Upon CO. <i>Journal of Geophysical Research E: Planets</i> , 2021, 126, .	1.5	7
3	Martian water loss to space enhanced by regional dust storms. <i>Nature Astronomy</i> , 2021, 5, 1036-1042.	4.2	40
4	Emirates Mars Mission Characterization of Mars Atmosphere Dynamics and Processes. <i>Space Science Reviews</i> , 2021, 217, .	3.7	23
5	The Emirates Mars Ultraviolet Spectrometer (EMUS) for the EMM Mission. <i>Space Science Reviews</i> , 2021, 217, 1.	3.7	17
6	The UV Spectrum of the Lyman- α –Birge–Hopfield Band System of N_2 Induced by Cascading from Electron Impact. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA027546.	0.8	13
7	Long-term Variations of Venus's 365 nm Albedo Observed by Venus Express, Akatsuki, MESSENGER, and the Hubble Space Telescope. <i>Astronomical Journal</i> , 2019, 158, 126.	1.9	30
8	UV Study of the Fourth Positive Band System of CO and O λ 135.6 nm From Electron Impact on CO and CO $_2$. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 2954-2977.	0.8	12
9	Venus Upper Clouds and the UV Absorber From MESSENGER/MASCS Observations. <i>Journal of Geophysical Research E: Planets</i> , 2018, 123, 145-162.	1.5	41
10	Mars H Escape Rates Derived From MAVEN/IUVS Lyman Alpha Brightness Measurements and Their Dependence on Model Assumptions. <i>Journal of Geophysical Research E: Planets</i> , 2018, 123, 2192-2210.	1.5	42
11	Global Aurora on Mars During the September 2017 Space Weather Event. <i>Geophysical Research Letters</i> , 2018, 45, 7391-7398.	1.5	44
12	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
13	Discovery of a proton aurora at Mars. <i>Nature Astronomy</i> , 2018, 2, 802-807.	4.2	50
14	Significant Space Weather Impact on the Escape of Hydrogen From Mars. <i>Geophysical Research Letters</i> , 2018, 45, 8844-8852.	1.5	29
15	Martian Thermospheric Response to an X8.2 Solar Flare on 10 September 2017 as Seen by MAVEN/IUVS. <i>Geophysical Research Letters</i> , 2018, 45, 7312-7319.	1.5	24
16	Variability of D and H in the Martian upper atmosphere observed with the MAVEN IUVS echelle channel. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 2336-2344.	0.8	64
17	Martian mesospheric cloud observations by IUVS on MAVEN: Thermal tides coupled to the upper atmosphere. <i>Geophysical Research Letters</i> , 2017, 44, 4709-4715.	1.5	23
18	Detection of a persistent meteoric metal layer in the Martian atmosphere. <i>Nature Geoscience</i> , 2017, 10, 401-404.	5.4	52

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19	Nitric oxide nightglow and Martian mesospheric circulation from MAVEN/IUVS observations and LMD-MGCM predictions. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 5782-5797.	0.8	36
20	IUVS echelle-mode observations of interplanetary hydrogen: Standard for calibration and reference for cavity variations between Earth and Mars during MAVEN cruise. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 2089-2105.	0.8	16
21	Electron impact study of the 100ÅeV emission cross section and lifetime of the Lyman-β Hopfield band system of N ₂ : Direct excitation and cascade. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 6776-6790.	0.8	7
22	Cassini UVIS observations of Titan ultraviolet airglow intensity dependence with solar zenith angle. <i>Geophysical Research Letters</i> , 2017, 44, 88-96.	1.5	20
23	Microchannel plate life testing for UV spectroscopy instruments. , 2017, , .		1
24	Ultraviolet observations of the hydrogen coma of comet C/2013 A1 (Siding Spring) by MAVEN/IUVS. <i>Geophysical Research Letters</i> , 2015, 42, 8803-8809.	1.5	11
25	MAVEN IUVS observations of the aftermath of the Comet Siding Spring meteor shower on Mars. <i>Geophysical Research Letters</i> , 2015, 42, 4755-4761.	1.5	56
26	Nonmigrating tides in the Martian atmosphere as observed by MAVEN IUVS. <i>Geophysical Research Letters</i> , 2015, 42, 9057-9063.	1.5	43
27	Retrieval of CO ₂ and N ₂ in the Martian thermosphere using dayglow observations by IUVS on MAVEN. <i>Geophysical Research Letters</i> , 2015, 42, 9040-9049.	1.5	43
28	Study of the Martian cold oxygen corona from the O I 130.4nm by IUVS/MAVEN. <i>Geophysical Research Letters</i> , 2015, 42, 9031-9039.	1.5	21
29	The structure and variability of Mars upper atmosphere as seen in MAVEN/IUVS dayglow observations. <i>Geophysical Research Letters</i> , 2015, 42, 9023-9030.	1.5	95
30	Three-dimensional structure in the Mars H corona revealed by IUVS on MAVEN. <i>Geophysical Research Letters</i> , 2015, 42, 9001-9008.	1.5	67
31	MAVEN IUVS observation of the hot oxygen corona at Mars. <i>Geophysical Research Letters</i> , 2015, 42, 9009-9014.	1.5	77
32	New observations of molecular nitrogen in the Martian upper atmosphere by IUVS on MAVEN. <i>Geophysical Research Letters</i> , 2015, 42, 9050-9056.	1.5	41
33	Probing the Martian atmosphere with MAVEN/IUVS stellar occultations. <i>Geophysical Research Letters</i> , 2015, 42, 9064-9070.	1.5	42
34	The Imaging Ultraviolet Spectrograph (IUVS) for the MAVEN Mission. <i>Space Science Reviews</i> , 2015, 195, 75-124.	3.7	139
35	The Mars Atmosphere and Volatile Evolution (MAVEN) Mission. <i>Space Science Reviews</i> , 2015, 195, 3-48.	3.7	563
36	MAVEN observations of the response of Mars to an interplanetary coronal mass ejection. <i>Science</i> , 2015, 350, aad0210.	6.0	166

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37	Discovery of diffuse aurora on Mars. <i>Science</i> , 2015, 350, aad0313.	6.0	98
38	Early MAVEN Deep Dip campaign reveals thermosphere and ionosphere variability. <i>Science</i> , 2015, 350, aad0459.	6.0	90
39	Visible to near-infrared hyperspectral measurements of mercury: Challenges for deciphering surface mineralogy. , 2014, , .		2
40	The low-iron, reduced surface of Mercury as seen in spectral reflectance by MESSENGER. <i>Icarus</i> , 2014, 228, 364-374.	1.1	82
41	Hydrogen atoms in the inner heliosphere: SWAN&SOHO and MASCS&MESSENGER observations. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 8017-8029.	0.8	6
42	Global inventory and characterization of pyroclastic deposits on Mercury: New insights into pyroclastic activity from MESSENGER orbital data. <i>Journal of Geophysical Research E: Planets</i> , 2014, 119, 635-658.	1.5	79
43	SOLAR OCCULTATION BY TITAN MEASURED BY <i>CASSINI</i> /UVIS. <i>Astrophysical Journal Letters</i> , 2013, 766, L16.	3.0	9
44	Lyman- α Models for LRO LAMP from MESSENGER MASCS and SOHO SWAN Data. , 2013, , 163-175.		6
45	Cassini UVIS observations of Titan nightglow spectra. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	28
46	The production of Titan's ultraviolet nitrogen airglow. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	49
47	The auroral footprint of Enceladus on Saturn. <i>Nature</i> , 2011, 472, 331-333.	13.7	82
48	The ultraviolet reflectance of Enceladus: Implications for surface composition. <i>Icarus</i> , 2010, 206, 608-617.	1.1	52
49	Whole-disk spectrophotometric properties of Mercury: Synthesis of MESSENGER and ground-based observations. <i>Icarus</i> , 2010, 209, 101-124.	1.1	35
50	A comparison of the ultraviolet to near-infrared spectral properties of Mercury and the Moon as observed by MESSENGER. <i>Icarus</i> , 2010, 209, 179-194.	1.1	26
51	Venus Spectrophotometry During the MESSENGER Mission Fly-By. <i>Thirty Years of Astronomical Discovery With UKIRT</i> , 2010, , 455-455.	0.3	0
52	Characteristics of Saturn's polar atmosphere and auroral electrons derived from HST/STIS, FUSE and Cassini/UVIS spectra. <i>Icarus</i> , 2009, 200, 176-187.	1.1	51
53	Multispectral images of Mercury from the first MESSENGER flyby: Analysis of global and regional color trends. <i>Earth and Planetary Science Letters</i> , 2009, 285, 272-282.	1.8	88
54	In-flight performance of MESSENGER's Mercury Dual Imaging System. <i>Proceedings of SPIE</i> , 2009, , .	0.8	22

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55	Reflectance and Color Variations on Mercury: Regolith Processes and Compositional Heterogeneity. Science, 2008, 321, 66-69.	6.0	167
56	Spectroscopic Observations of Mercury's Surface Reflectance During MESSENGER's First Mercury Flyby. Science, 2008, 321, 62-65.	6.0	94
57	Absolute ultraviolet irradiance of the moon from SORCE SOLSTICE. , 2007, , .		2
58	Titan airglow spectra from Cassini Ultraviolet Imaging Spectrograph (UVIS): EUV analysis. Geophysical Research Letters, 2007, 34, .	1.5	69
59	Radiation-induced changes in the solid state detector performance for the Mercury atmospheric and surface composition spectrometer (MASCS). , 2003, , .		0