

# Jane L Fox

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8628836/publications.pdf>

Version: 2024-02-01

29  
papers

1,266  
citations

361413

20  
h-index

552781

26  
g-index

29  
all docs

29  
docs citations

29  
times ranked

830  
citing authors

#	ARTICLE	IF	CITATIONS
1	Photochemical escape of oxygen from Mars: A comparison of the exobase approximation to a Monte Carlo method. <i>Icarus</i> , 2009, 204, 527-544.	2.5	167
2	Solar cycle variability of hot oxygen atoms at Mars. <i>Journal of Geophysical Research</i> , 1998, 103, 29339-29342.	3.3	134
3	Photochemical escape of oxygen from Mars: First results from MAVEN in situ data. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 3815-3836.	2.4	106
4	Energy Deposition in Planetary Atmospheres by Charged Particles and Solar Photons. <i>Space Science Reviews</i> , 2008, 139, 3-62.	8.1	77
5	Cross Sections and Reaction Rates for Comparative Planetary Aeronomy. <i>Space Science Reviews</i> , 2008, 139, 63-105.	8.1	74
6	MGS electron density profiles: Analysis of the peak magnitudes. <i>Icarus</i> , 2009, 200, 468-479.	2.5	59
7	Morphology of the dayside ionosphere of Mars: Implications for ion outflows. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	58
8	Water and water ions in the Martian thermosphere/ionosphere. <i>Geophysical Research Letters</i> , 2015, 42, 8977-8985.	4.0	56
9	The chemistry of protonated species in the martian ionosphere. <i>Icarus</i> , 2015, 252, 366-392.	2.5	53
10	Isotope fractionation in the photochemical escape of O from Mars. <i>Icarus</i> , 2010, 208, 176-191.	2.5	51
11	The escape of O from Mars: Sensitivity to the elastic cross sections. <i>Icarus</i> , 2014, 228, 375-385.	2.5	50
12	MGS electron density profiles: Analysis and modeling of peak altitudes. <i>Icarus</i> , 2012, 221, 1002-1019.	2.5	42
13	Hot oxygen escape from Mars: Simple scaling with solar EUV irradiance. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 1102-1116.	2.4	40
14	Escape of O(3P), O(1D), and O(1S) from the Martian atmosphere. <i>Icarus</i> , 2018, 300, 411-439.	2.5	39
15	Comparisons of electron fluxes measured in the crustal fields at Mars by the MGS magnetometer/electron reflectometer instrument with aBfield-dependent transport code. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	35
16	Upper Neutral Atmosphere and Ionosphere. , 2017, , 433-463.		33
17	The ionospheric source of the red and green lines of atomic oxygen in the Venus nightglow. <i>Icarus</i> , 2012, 221, 787-799.	2.5	32
18	Hydrocarbon ions in the lower ionosphere of Saturn. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 384-395.	2.4	29

#	ARTICLE	IF	CITATIONS
19	Advances in the aeronomy of Venus and Mars. <i>Advances in Space Research</i> , 2004, 33, 132-139.	2.6	26
20	Chemical origins of the Mars ultraviolet dayglow. <i>Faraday Discussions</i> , 2010, 147, 307.	3.2	25
21	The post-terminator ionosphere of Venus. <i>Icarus</i> , 2011, 216, 625-639.	2.5	24
22	Photochemical determination of O densities in the Martian thermosphere: Effect of a revised rate coefficient. <i>Geophysical Research Letters</i> , 2017, 44, 8099-8106.	4.0	18
23	Rate coefficients for the reactions of CO <sup>+</sup> with O: Lessons from MAVEN at Mars. <i>Icarus</i> , 2021, 358, 114186.	2.5	15
24	Detection of the Nitric Oxide Dayglow on Mars by MAVEN/IUVS. <i>Journal of Geophysical Research E: Planets</i> , 2019, 124, 1226-1237.	3.6	13
25	Intensities of the Martian N <sub>2</sub> electron-impact excited dayglow emissions. <i>Geophysical Research Letters</i> , 2013, 40, 2529-2533.	4.0	5
26	Hot carbon densities in the exosphere of Venus. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	3
27	Intensities of the Venusian N <sub>2</sub> electron-impact excited dayglow emissions. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 7850-7863.	2.4	2
28	Dissociative Recombination Data Needs for the Aeronomy Community. <i>Journal of Physics: Conference Series</i> , 2011, 300, 012025.	0.4	0
29	ALEXANDER DALGARNO. , 2009, , .		0