

Shane Stone

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

1,273
citations

567281

15
h-index

794594

19
g-index

23
all docs

23
docs citations

23
times ranked

1313
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Mars's atmospheric history derived from upper-atmosphere measurements of $^{38}\text{Ar}/^{36}\text{Ar}$. <i>Ar. Science</i> , 2017, 355, 1408-1410.	12.6	183
3	Structure and composition of the neutral upper atmosphere of Mars from the MAVEN NGIMS investigation. <i>Geophysical Research Letters</i> , 2015, 42, 8951-8957.	4.0	168
4	MAVEN observations of the response of Mars to an interplanetary coronal mass ejection. <i>Science</i> , 2015, 350, aad0210.	12.6	166
5	Thermal Structure of the Martian Upper Atmosphere From MAVEN NGIMS. <i>Journal of Geophysical Research E: Planets</i> , 2018, 123, 2842-2867.	3.6	91
6	Early MAVEN Deep Dip campaign reveals thermosphere and ionosphere variability. <i>Science</i> , 2015, 350, aad0459.	12.6	90
7	Hydrogen escape from Mars is driven by seasonal and dust storm transport of water. <i>Science</i> , 2020, 370, 824-831.	12.6	66
8	A novel dialkylthio benzo[1,2-b:4,5-b']dithiophene derivative for high open-circuit voltage in polymer solar cells. <i>Chemical Communications</i> , 2011, 47, 10987.	4.1	60
9	He bulge revealed: He and CO_2 diurnal and seasonal variations in the upper atmosphere of Mars as detected by MAVEN NGIMS. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 2564-2573.	2.4	52
10	Global characteristics of gravity waves in the upper atmosphere of Mars as measured by MAVEN/NGIMS. <i>Icarus</i> , 2019, 333, 12-21.	2.5	41
11	Variability of Martian Turbopause Altitudes. <i>Journal of Geophysical Research E: Planets</i> , 2018, 123, 2939-2957.	3.6	30
12	Evaluating Local Ionization Balance in the Nightside Martian Upper Atmosphere during MAVEN Deep Dip Campaigns. <i>Astrophysical Journal Letters</i> , 2019, 876, L12.	8.3	27
13	The Impact of Crustal Magnetic Fields on the Thermal Structure of the Martian Upper Atmosphere. <i>Astrophysical Journal Letters</i> , 2018, 853, L33.	8.3	18
14	In Situ Measurements of Thermal Ion Temperature in the Martian Ionosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2021JA029531.	2.4	17
15	The Deuterium Isotopic Ratio of Water Released From the Martian Caps as Measured With TGO/NOMAD. <i>Geophysical Research Letters</i> , 2022, 49, .	4.0	15
16	Seasonal Variability of Deuterium in the Upper Atmosphere of Mars. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 2152-2164.	2.4	13
17	Two-dimensional model for the martian exosphere: Applications to hydrogen and deuterium Lyman α observations. <i>Icarus</i> , 2020, 339, 113573.	2.5	8
18	Subsolar Electron Temperatures in the Lower Martian Ionosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA027597.	2.4	6

#	ARTICLE	IF	CITATIONS
19	Neutral Composition and Horizontal Variations of the Martian Upper Atmosphere From MAVEN NGIMS. Journal of Geophysical Research E: Planets, 2022, 127, .	3.6	4