

Yuni Lee

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

1,093
citations

471509

17
h-index

642732

23
g-index

23
all docs

23
docs citations

23
times ranked

955
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	MAVEN observations of the response of Mars to an interplanetary coronal mass ejection. <i>Science</i> , 2015, 350, aad0210.	12.6	166
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	Characterizing Atmospheric Escape from Mars Today and Through Time, with MAVEN. <i>Space Science Reviews</i> , 2015, 195, 357-422.	8.1	99
5	Early MAVEN Deep Dip campaign reveals thermosphere and ionosphere variability. <i>Science</i> , 2015, 350, aad0459.	12.6	90
6	Solar wind interaction with the Martian upper atmosphere: Crustal field orientation, solar cycle, and seasonal variations. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 7857-7872.	2.4	51
7	Modeling Martian Atmospheric Losses over Time: Implications for Exoplanetary Climate Evolution and Habitability. <i>Astrophysical Journal Letters</i> , 2018, 859, L14.	8.3	51
8	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
9	Hot oxygen corona at Mars and the photochemical escape of oxygen: Improved description of the thermosphere, ionosphere, and exosphere. <i>Journal of Geophysical Research E: Planets</i> , 2015, 120, 1880-1892.	3.6	38
10	A comparison of 3D model predictions of Mars' oxygen corona with early MAVEN IUVS observations. <i>Geophysical Research Letters</i> , 2015, 42, 9015-9022.	4.0	35
11	Mars Dust Storm Effects in the Ionosphere and Magnetosphere and Implications for Atmospheric Carbon Loss. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, no.	2.4	23
12	MAVEN/NGIMS Thermospheric Neutral Wind Observations: Interpretation Using the MGS-GITM General Circulation Model. <i>Journal of Geophysical Research E: Planets</i> , 2019, 124, 3283-3303.	3.6	20
13	Global circulation of Mars's upper atmosphere. <i>Science</i> , 2019, 366, 1363-1366.	12.6	20
14	Hot carbon corona in Mars's upper thermosphere and exosphere: 1. Mechanisms and structure of the hot corona for low solar activity at equinox. <i>Journal of Geophysical Research E: Planets</i> , 2014, 119, 905-924.	3.6	19
15	Effects of a Solar Flare on the Martian Hot O Corona and Photochemical Escape. <i>Geophysical Research Letters</i> , 2018, 45, 6814-6822.	4.0	19
16	Seasonal, Solar Zenith Angle, and Solar Flux Variations of O ⁺ in the Topside Ionosphere of Mars. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 3125-3138.	2.4	19
17	Application of the Monte Carlo Method in Modeling Dusty Gas, Dust in Plasma, and Energetic Ions in Planetary, Magnetospheric, and Heliospheric Environments. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA028242.	2.4	17
18	MAVEN Observations of the Response of Martian Ionosphere to the Interplanetary Coronal Mass Ejections of March 2015. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 6917-6929.	2.4	15

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19	Effects of Global and Regional Dust Storms on the Martian Hot O Corona and Photochemical Loss. Journal of Geophysical Research: Space Physics, 2020, 125, e2019JA027115.	2.4	15
20	Solar Wind Interaction With the Martian Upper Atmosphere: Roles of the Cold Thermosphere and Hot Oxygen Corona. Journal of Geophysical Research: Space Physics, 2018, 123, 6639-6654.	2.4	14
21	Hot carbon corona in Mars' upper thermosphere and exosphere: 2. Solar cycle and seasonal variability. Journal of Geophysical Research E: Planets, 2014, 119, 2487-2509.	3.6	12
22	Effect of the 2018 Martian Global Dust Storm on the Main Species in the Upper Ionosphere: Observations and Simulations. Journal of Geophysical Research E: Planets, 2022, 127, .	3.6	6
23	Exosphere Modeling of Proxima b: A Case Study of Photochemical Escape with a Venus-like Atmosphere. Astrophysical Journal, 2021, 923, 190.	4.5	2