Hari Nair

List of Publications by Year
in descending order

21 papers	1,296 citations	623734 14 h-index	677142 22 g-index
23 all docs	23 docs citations	23 times ranked	1535 citing authors

#	Article	IF	Citations
1	A Photochemical Model of the Martian Atmosphere. Icarus, 1994, 111, 124-150.	2.5	330
2	Shape of (101955) Bennu indicative of a rubble pile with internal stiffness. Nature Geoscience, 2019, 12, 247-252.	12.9	179
3	Compact Reconnaissance Imaging Spectrometer for Mars investigation and data set from the Mars Reconnaissance Orbiter's primary science phase. Journal of Geophysical Research, 2009, 114, .	3.3	178
4	Annual (perihelion-aphelion) cycles in the photochemical behavior of the global Mars atmosphere. Journal of Geophysical Research, 1996, 101, 12785-12790.	3.3	89
5	Digital terrain mapping by the OSIRIS-REx mission. Planetary and Space Science, 2020, 180, 104764.	1.7	81
6	Images of surface volatiles in Mercuryâ€™s polar craters acquired by the MESSENGER spacecraft. Geology, 2014, 42, 1051-1054.	4.4	67
7	Vertical profiles of Mars 1.27ÂÂµm O 2 dayglow from MRO CRISM limb spectra: Seasonal/global behaviors, comparisons to LMDGCM simulations, and a global definition for Mars water vapor profiles. Icarus, 2017, 293, 132-156.	2.5	58
8	First detection of Mars atmospheric hydroxyl: CRISM Near-IR measurement versus LMD GCM simulation of OH Meinel band emission in the Mars polar winter atmosphere. Icarus, 2013, 226, 272-281.	2.5	54
9	Calibration, Projection, and Final Image Products of MESSENGERâ€™s Mercury Dual Imaging System. Space Science Reviews, 2018, 214, 1.	8.1	53
10	Isotopic fractionation of methane in the martian atmosphere. Icarus, 2005, 175, 32-35.	2.5	44
11	Comparison of TWINS images of lowâ€altitude emission of energetic neutral atoms with DMSP precipitating ion fluxes. Journal of Geophysical Research, 2010, 115, .	3.3	43
12	Imaging Mercury's polar deposits during MESSENGER's lowâ€altitude campaign. Geophysical Research Letters, 2016, 43, 9461-9468.	4.0	31
13	The Morphometry of Impact Craters on Bennu. Geophysical Research Letters, 2020, 47, e2020GL089672.	4.0	20
14	Validation of Stereophotoclinometric Shape Models of Asteroid (101955) Bennu during the OSIRIS-REx Mission. Planetary Science Journal, 2021, 2, 82.	3.6	17
15	Localized rapid ozone loss in the northern winter stratosphere: An analysis of UARS observations. Journal of Geophysical Research, 1998, 103, 1555-1571.	3.3	14
16	New insights into martian atmospheric chemistry. Icarus, 2014, 242, 97-104.	2.5	10
17	Persephone: A Pluto-system Orbiter and Kuiper Belt Explorer. Planetary Science Journal, 2021, 2, 75.	3.6	7
18	MEGANE investigations of Phobos and the Small Body Mapping Tool. Earth, Planets and Space, 2021, 73, 217.	2.5	4

#	Article	IF	Citations
19	O₂(a¹Î”_g, Ï… = 0) chemical loss coefficients determined from SABER sunset measurements. Geophysical Research Letters, 2009, 36, .	4.0	3
20	The morphometry of small impact craters on Bennu: Relationships to geologic units, boulders, and impact armoring. Icarus, 2022, 384, 115058.	2.5	3
21	Determining shape of a seasonally shadowed asteroid using stellar occultation imaging. Planetary and Space Science, 2016, 131, 24-32.	1.7	0