

Juan Alday

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

666
citations

623188

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676716

22
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43
all docs

43
docs citations

43
times ranked

551
citing authors

#	ARTICLE	IF	CITATIONS
1	Stormy water on Mars: The distribution and saturation of atmospheric water during the dusty season. <i>Science</i> , 2020, 367, 297-300.	6.0	117
2	No detection of methane on Mars from early ExoMars Trace Gas Orbiter observations. <i>Nature</i> , 2019, 568, 517-520.	13.7	111
3	Martian dust storm impact on atmospheric H ₂ O and D/H observed by ExoMars Trace Gas Orbiter. <i>Nature</i> , 2019, 568, 521-525.	13.7	107
4	Transient HCl in the atmosphere of Mars. <i>Science Advances</i> , 2021, 7, .	4.7	37
5	The vertical structure of CO in the Martian atmosphere from the ExoMars Trace Gas Orbiter. <i>Nature Geoscience</i> , 2021, 14, 67-71.	5.4	30
6	Isotopic fractionation of water and its photolytic products in the atmosphere of Mars. <i>Nature Astronomy</i> , 2021, 5, 943-950.	4.2	27
7	A New UV Spectral Feature on Europa: Confirmation of NaCl in Leading-hemisphere Chaos Terrain. <i>Planetary Science Journal</i> , 2022, 3, 27.	1.5	25
8	Oxygen isotopic ratios in Martian water vapour observed by ACS MIR on board the ExoMars Trace Gas Orbiter. <i>Astronomy and Astrophysics</i> , 2019, 630, A91.	2.1	24
9	Revealing a High Water Abundance in the Upper Mesosphere of Mars With ACS Onboard TGO. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL093411.	1.5	24
10	First detection of ozone in the mid-infrared at Mars: implications for methane detection. <i>Astronomy and Astrophysics</i> , 2020, 639, A141.	2.1	23
11	Gravity Wave Activity in the Martian Atmosphere at Altitudes 20–160 km From ACS/TGO Occultation Measurements. <i>Journal of Geophysical Research E: Planets</i> , 2021, 126, e2021JE006899.	1.5	22
12	New constraints on Ganymede's hydrogen corona: Analysis of Lyman- α emissions observed by HST/STIS between 1998 and 2014. <i>Planetary and Space Science</i> , 2017, 148, 35-44.	0.9	20
13	Seasonal reappearance of HCl in the atmosphere of Mars during the Mars year 35 dusty season. <i>Astronomy and Astrophysics</i> , 2021, 647, A161.	2.1	17
14	A stringent upper limit of 20 pptv for methane on Mars and constraints on its dispersion outside Gale crater. <i>Astronomy and Astrophysics</i> , 0, , .	2.1	16
15	Detection of a hydrogen corona at Callisto. <i>Journal of Geophysical Research E: Planets</i> , 2017, 122, 1046-1055.	1.5	14
16	Isotopic Composition of CO ₂ in the Atmosphere of Mars: Fractionation by Diffusive Separation Observed by the ExoMars Trace Gas Orbiter. <i>Journal of Geophysical Research E: Planets</i> , 2021, 126, .	1.5	12
17	Mid-ultraviolet Hubble Observations of Europa and the Global Surface Distribution of SO ₂ . <i>Planetary Science Journal</i> , 2022, 3, 129.	1.5	8
18	Isotopes of chlorine from HCl in the Martian atmosphere. <i>Astronomy and Astrophysics</i> , 2021, 651, A32.	2.1	7

#	ARTICLE	IF	CITATIONS
19	Reappraising the Production and Transfer of Hydrogen Atoms From the Middle to the Upper Atmosphere of Mars at Times of Elevated Water Vapor. <i>Journal of Geophysical Research E: Planets</i> , 2022, 127, .	1.5	5
20	Upper limits for phosphine (PH ₃) in the atmosphere of Mars. <i>Astronomy and Astrophysics</i> , 2021, 649, L1.	2.1	4
21	Seasonal Changes in the Vertical Structure of Ozone in the Martian Lower Atmosphere and Its Relationship to Water Vapor. <i>Journal of Geophysical Research E: Planets</i> , 2022, 127, .	1.5	4
22	The HDO Cycle on Mars: Comparison of ACS Observations With GCM Simulations. <i>Journal of Geophysical Research E: Planets</i> , 2022, 127, .	1.5	4
23	No detection of SO ₂ , H ₂ S, or OCS in the atmosphere of Mars from the first two Martian years of observations from TGO/ACS. <i>Astronomy and Astrophysics</i> , 2022, 658, A86.	2.1	1