

Alejandro Cardesin Moinelo

List of Publications by Year in descending order

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Version: 2024-02-01

34
papers

621
citations

840776

11
h-index

580821

25
g-index

58
all docs

58
docs citations

58
times ranked

611
citing authors

#	ARTICLE	IF	CITATIONS
1	South-polar features on Venus similar to those near the north pole. <i>Nature</i> , 2007, 450, 637-640.	27.8	110
2	A dynamic upper atmosphere of Venus as revealed by VIRTIS on Venus Express. <i>Nature</i> , 2007, 450, 641-645.	27.8	95
3	Near-IR oxygen nightglow observed by VIRTIS in the Venus upper atmosphere. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	74
4	Independent confirmation of a methane spike on Mars and a source region east of Gale Crater. <i>Nature Geoscience</i> , 2019, 12, 326-332.	12.9	63
5	Mars Express investigations of Phobos and Deimos. <i>Planetary and Space Science</i> , 2014, 102, 18-34.	1.7	54
6	Thermal structure of Venusian nighttime mesosphere as observed by VIRTIS on Venus Express. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	41
7	No statistical evidence of lightning in Venus night-side atmosphere from VIRTIS-Venus Express Visible observations. <i>Icarus</i> , 2016, 277, 395-400.	2.5	30
8	Limb observations of CO ₂ and CO non-LTE emissions in the Venus atmosphere by VIRTIS/Venus Express. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	27
9	Limb clouds and dust on Mars from images obtained by the Visual Monitoring Camera (VMC) onboard Mars Express. <i>Icarus</i> , 2018, 299, 194-205.	2.5	23
10	Investigations of the Mars Upper Atmosphere with ExoMars Trace Gas Orbiter. <i>Space Science Reviews</i> , 2018, 214, 1.	8.1	13
11	The 2018 Martian Global Dust Storm Over the South Polar Region Studied With MEx/VMC. <i>Geophysical Research Letters</i> , 2019, 46, 10330-10337.	4.0	12
12	A Seasonally Recurrent Annular Cyclone in Mars Northern Latitudes and Observations of a Companion Vortex. <i>Journal of Geophysical Research E: Planets</i> , 2018, 123, 3020-3034.	3.6	11
13	Oxygen airglow emission on Venus and Mars as seen by VIRTIS/VEX and OMEGA/MEX imaging spectrometers. <i>Planetary and Space Science</i> , 2011, 59, 981-987.	1.7	9
14	An Extremely Elongated Cloud Over Arsia Mons Volcano on Mars: I. Life Cycle. <i>Journal of Geophysical Research E: Planets</i> , 2021, 126, e2020JE006517.	3.6	9
15	Cellular patterns and dry convection in textured dust storms at the edge of Mars North Polar Cap. <i>Icarus</i> , 2022, 387, 115183.	2.5	9
16	Hydroxyl airglow on Venus in comparison with Earth. <i>Planetary and Space Science</i> , 2011, 59, 974-980.	1.7	7
17	Calibration of Hyperspectral Imaging Data: VIRTIS-M Onboard Venus Express. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2010, , .	6.3	6
18	A Long-Term Study of Mars Mesospheric Clouds Seen at Twilight Based on Mars Express VMC Images. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL092188.	4.0	5

#	ARTICLE	IF	CITATIONS
19	Astrometric observations of Phobos with the SRC on Mars Express. <i>Astronomy and Astrophysics</i> , 2015, 580, A28.	5.1	4
20	First year of coordinated science observations by Mars Express and ExoMars 2016 Trace Gas Orbiter. <i>Icarus</i> , 2021, 353, 113707.	2.5	4
21	Mars' Ionospheric Interaction With Comet C/2013 A1 Siding Spring's Coma at Their Closest Approach as Seen by Mars Express. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA027344.	2.4	3
22	Global maps of Venus nightside mean infrared thermal emissions obtained by VIRTIS on Venus Express. <i>Icarus</i> , 2020, 343, 113683.	2.5	3
23	Quantifying the latitudinal distribution of climate-related landforms on Mars' southern hemisphere. <i>Icarus</i> , 2020, 346, 113806.	2.5	2
24	Visibility analysis of Phobos to support a science and exploration platform. <i>Earth, Planets and Space</i> , 2021, 73, .	2.5	2
25	Solar System Operations Lab for Constructing Optimized Science Observations. , 2012, , .		1
26	ExoMars Trace Gas Orbiter (TGO) Science Ground Segment (SGS). <i>Space Science Reviews</i> , 2018, 214, 1.	8.1	1
27	Mars Express Science Operations During Deep Eclipse: An Example of Adapting Science Operations On Aging Spacecraft. , 2018, , .		1
28	Long Term Planning for the ExoMars Trace Gas Orbiter Mission: Opportunity Analysis and Observation Scheduling. , 2018, , .		1
29	Calibration pipeline of VIRTIS-M onboard Venus Express. , 2009, , .		0
30	The Solar System Science Operations Laboratory: A Planetary Science Lab Simulator supporting the Jupiter Icy moons Explorer (JUICE) science operations development. , 2014, , .		0
31	ExoMars 2016 Trace Gas Orbiter and Mars Express Coordinated Science Operations Planning. , 2018, , .		0
32	From hot to cold? " Hydrothermal activities as a source for icy-debris flows on Dryas Mons, Terra Sirenum, Mars. <i>Icarus</i> , 2021, 372, 114698.	2.5	0
33	Science Planning Implementation and Challenges for the ExoMars Trace Gas Orbiter. , 2018, , .		0
34	ExoMars Trace Gas Orbiter Instrument Modelling Approach to Streamline Science Operations. , 2018, , .		0