

Agustin Maria Sanchez Lavega

List of Publications by Year in descending order

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Version: 2024-02-01

64
papers

1,641
citations

236612

25
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315357

38
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all docs

65
docs citations

65
times ranked

1010
citing authors

#	ARTICLE	IF	CITATIONS
1	From storms to cyclones at Jupiter's poles. <i>Nature Physics</i> , 2022, 18, 226-227.	6.5	0
2	Constraints on the structure and seasonal variations of Triton's atmosphere from the 5 October 2017 stellar occultation and previous observations. <i>Astronomy and Astrophysics</i> , 2022, 659, A136.	2.1	8
3	Convective storms in closed cyclones in Jupiter's South Temperate Belt: (I) observations. <i>Icarus</i> , 2022, 380, 114994.	1.1	5
4	Energy Exchanges in Saturn's Polar Regions From Cassini Observations: Eddy-Zonal Flow Interactions. <i>Journal of Geophysical Research E: Planets</i> , 2022, 127, .	1.5	1
5	The dynamic atmospheric and aeolian environment of Jezero crater, Mars. <i>Science Advances</i> , 2022, 8, .	4.7	47
6	Convective storms in closed cyclones in Jupiter: (II) numerical modeling. <i>Icarus</i> , 2022, 386, 115169.	1.1	2
7	Dust particle size, shape and optical depth during the 2018/MY34 martian global dust storm retrieved by MSL Curiosity rover Navigation Cameras. <i>Icarus</i> , 2021, 354, 114021.	1.1	17
8	Midsummer Atmospheric Changes in Saturn's Northern Hemisphere from the Hubble OPAL Program. <i>Planetary Science Journal</i> , 2021, 2, 47.	1.5	4
9	Jupiter's Great Red Spot: Strong Interactions With Incoming Anticyclones in 2019. <i>Journal of Geophysical Research E: Planets</i> , 2021, 126, e2020JE006686.	1.5	12
10	Interaction of Saturn's Hexagon With Convective Storms. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL092461.	1.5	1
11	Jupiter's third largest and longest-lived oval: Color changes and dynamics. <i>Icarus</i> , 2021, 361, 114394.	1.1	4
12	Assessing Multi-Stream Radiative Transfer Schemes for the Calculation of Aerosol Radiative Forcing in the Martian Atmosphere. <i>Journal of Geophysical Research E: Planets</i> , 2021, 126, e2021JE006889.	1.5	4
13	Vertical Distribution of Aerosols and Hazes Over Jupiter's Great Red Spot and Its Surroundings in 2016 From HST/WFC3 Imaging. <i>Journal of Geophysical Research E: Planets</i> , 2021, 126, e2021JE006996.	1.5	4
14	Saturn atmospheric dynamics one year after Cassini: Long-lived features and time variations in the drift of the Hexagon. <i>Icarus</i> , 2020, 336, 113429.	1.1	13
15	A complex storm system in Saturn's north polar atmosphere in 2018. <i>Nature Astronomy</i> , 2020, 4, 180-187.	4.2	13
16	Multilayer hazes over Saturn's hexagon from Cassini ISS limb images. <i>Nature Communications</i> , 2020, 11, 2281.	5.8	6
17	Strong increase in dust devil activity at Gale crater on the third year of the MSL mission and suppression during the 2018 Global Dust Storm. <i>Icarus</i> , 2020, 347, 113814.	1.1	22
18	Hazes and clouds in a singular triple vortex in Saturn's atmosphere from HST/WFC3 multispectral imaging. <i>Icarus</i> , 2019, 333, 22-36.	1.1	7

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19	The Onset and Growth of the 2018 Martian Global Dust Storm. <i>Geophysical Research Letters</i> , 2019, 46, 6101-6108.	1.5	47
20	Characterisation of Martian dust aerosol phase function from sky radiance measurements by MSL engineering cameras. <i>Icarus</i> , 2019, 330, 16-29.	1.1	11
21	Morphology and Dynamics of Venus's Middle Clouds With Akatsuki/IR1. <i>Geophysical Research Letters</i> , 2019, 46, 2399-2407.	1.5	10
22	Gas Giants. , 2019, , 72-103.		14
23	Potential Vorticity of Saturn's Polar Regions: Seasonality and Instabilities. <i>Journal of Geophysical Research E: Planets</i> , 2019, 124, 186-201.	1.5	6
24	Analysis of Neptune's 2017 bright equatorial storm. <i>Icarus</i> , 2019, 321, 324-345.	1.1	25
25	Dust particle size and optical depth on Mars retrieved by the MSL navigation cameras. <i>Icarus</i> , 2019, 319, 43-57.	1.1	28
26	Venus Upper Clouds and the UV Absorber From MESSENGER/MASCS Observations. <i>Journal of Geophysical Research E: Planets</i> , 2018, 123, 145-162.	1.5	41
27	A planetary-scale disturbance in a long living three vortex coupled system in Saturn's atmosphere. <i>Icarus</i> , 2018, 302, 499-513.	1.1	14
28	Haze and cloud structure of Saturn's North Pole and Hexagon Wave from Cassini/ISS imaging. <i>Icarus</i> , 2018, 305, 284-300.	1.1	19
29	The Planetary Virtual Observatory and Laboratory (PVOL) and its integration into the Virtual European Solar and Planetary Access (VESPA). <i>Planetary and Space Science</i> , 2018, 150, 22-35.	0.9	25
30	Cloud morphology and dynamics in Saturn's northern polar region. <i>Icarus</i> , 2018, 299, 117-132.	1.1	23
31	Saturn's Polar Atmosphere. , 2018, , 337-376.		11
32	The Rich Dynamics of Jupiter's Great Red Spot from JunoCam: Juno Images. <i>Astronomical Journal</i> , 2018, 156, 162.	1.9	19
33	Shallow water simulations of Saturn's giant storms at different latitudes. <i>Icarus</i> , 2017, 286, 241-260.	1.1	10
34	Temporal and spatial variations of the absolute reflectivity of Jupiter and Saturn from 0.38 to 1.7 μm with PlanetCam-UPV/EHU. <i>Astronomy and Astrophysics</i> , 2017, 607, A72.	2.1	13
35	PlanetCam UPV/EHU: A Two-channel Lucky Imaging Camera for Solar System Studies in the Spectral Range 0.38 μm to 1.7 μm . <i>Publications of the Astronomical Society of the Pacific</i> , 2016, 128, 035002.	1.0	23
36	An enduring rapidly moving storm as a guide to Saturn's Equatorial jet's complex structure. <i>Nature Communications</i> , 2016, 7, 13262.	5.8	21

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37	Spatial distribution of jovian clouds, hazes and colors from Cassini ISS multi-spectral images. <i>Icarus</i> , 2016, 267, 34-50.	1.1	9
38	Dynamics of Saturn's polar regions. <i>Journal of Geophysical Research E: Planets</i> , 2015, 120, 155-176.	1.5	40
39	An extremely high-altitude plume seen at Mars's morning terminator. <i>Nature</i> , 2015, 518, 525-528.	13.7	24
40	The long-term steady motion of Saturn's hexagon and the stability of its enclosed jet stream under seasonal changes. <i>Geophysical Research Letters</i> , 2014, 41, 1425-1431.	1.5	43
41	A chaotic long-lived vortex at the southern pole of Venus. <i>Nature Geoscience</i> , 2013, 6, 254-257.	5.4	32
42	Colors of Jupiter's large anticyclones and the interaction of a Tropical Red Oval with the Great Red Spot in 2008. <i>Journal of Geophysical Research E: Planets</i> , 2013, 118, 2537-2557.	1.5	15
43	Vertical cloud structure of the 2009 Jupiter impact based on HST/WFC3 observations. <i>Icarus</i> , 2012, 221, 1061-1078.	1.1	8
44	The 2009-2010 fade of Jupiter's South Equatorial Belt: Vertical cloud structure models and zonal winds from visible imaging. <i>Icarus</i> , 2012, 217, 256-271.	1.1	33
45	Saturn's zonal wind profile in 2004-2009 from Cassini ISS images and its long-term variability. <i>Icarus</i> , 2011, 215, 62-74.	1.1	88
46	Deep winds beneath Saturn's upper clouds from a seasonal long-lived planetary-scale storm. <i>Nature</i> , 2011, 475, 71-74.	13.7	98
47	The Planetary Laboratory for Image Analysis (PLIA). <i>Advances in Space Research</i> , 2010, 46, 1120-1138.	1.2	37
48	The jovian anticyclone BAI. Motions and interaction with the GRS from observations and non-linear simulations. <i>Icarus</i> , 2009, 203, 486-498.	1.1	26
49	The jovian anticyclone BAIII. Aerosol properties and color change. <i>Icarus</i> , 2009, 203, 516-530.	1.1	29
50	The jovian anticyclone BAII. Circulation and interaction with the zonal jets. <i>Icarus</i> , 2009, 203, 499-515.	1.1	54
51	Clouds and Aerosols in Saturn's Atmosphere. , 2009, , 161-179.		33
52	Solar flux in Saturn's atmosphere: Penetration and heating rates in the aerosol and cloud layers. <i>Icarus</i> , 2006, 180, 368-378.	1.1	32
53	A strong vortex in Saturn's South Pole. <i>Icarus</i> , 2006, 184, 524-531.	1.1	46
54	Jupiter's cyclones and anticyclones vorticity from Voyager and Galileo images. <i>Icarus</i> , 2005, 174, 178-191.	1.1	30

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55	How Long Is the Day on Saturn?. Science, 2005, 307, 1223-1224.	6.0	32
56	A model for large-scale convective storms in Jupiter. Journal of Geophysical Research, 2002, 107, 5-1.	3.3	39
57	No Hexagonal Wave around Saturn's Southern Pole. Icarus, 2002, 160, 216-219.	1.1	21
58	The Merger of Two Giant Anticyclones in the Atmosphere of Jupiter. Icarus, 2001, 149, 491-495.	1.1	69
59	Saturn's Zonal Winds at Cloud Level. Icarus, 2000, 147, 405-420.	1.1	132
60	The 90-day oscillations of Jupiter's Great Red Spot revisited. Planetary and Space Science, 2000, 48, 331-339.	0.9	15
61	Dynamics and Interaction between a Large-Scale Vortex and the Great Red Spot in Jupiter. Icarus, 1998, 136, 14-26.	1.1	16
62	New Observations and Studies of Saturn's Long-Lived North Polar Spot. Icarus, 1997, 128, 322-334.	1.1	26
63	Large-Scale Storms in Saturn's Atmosphere During 1994. Science, 1996, 271, 631-634.	6.0	44
64	Ground-Based Observations of Saturn's North Polar Spot and Hexagon. Science, 1993, 260, 329-332.	6.0	39