

Agustin Maria Sanchez Lavega

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1069426/publications.pdf>

Version: 2024-02-01

64
papers

1,641
citations

236925

25
h-index

315739

38
g-index

65
all docs

65
docs citations

65
times ranked

1010
citing authors

#	ARTICLE	IF	CITATIONS
1	Saturn's Zonal Winds at Cloud Level. <i>Icarus</i> , 2000, 147, 405-420.	2.5	132
2	Deep winds beneath Saturn's upper clouds from a seasonal long-lived planetary-scale storm. <i>Nature</i> , 2011, 475, 71-74.	27.8	98
3	Saturn's zonal wind profile in 2004-2009 from Cassini ISS images and its long-term variability. <i>Icarus</i> , 2011, 215, 62-74.	2.5	88
4	The Merger of Two Giant Anticyclones in the Atmosphere of Jupiter. <i>Icarus</i> , 2001, 149, 491-495.	2.5	69
5	The jovian anticyclone BAll. Circulation and interaction with the zonal jets. <i>Icarus</i> , 2009, 203, 499-515.	2.5	54
6	The Onset and Growth of the 2018 Martian Global Dust Storm. <i>Geophysical Research Letters</i> , 2019, 46, 6101-6108.	4.0	47
7	The dynamic atmospheric and aeolian environment of Jezero crater, Mars. <i>Science Advances</i> , 2022, 8, .	10.3	47
8	A strong vortex in Saturn's South Pole. <i>Icarus</i> , 2006, 184, 524-531.	2.5	46
9	Large-Scale Storms in Saturn's Atmosphere During 1994. <i>Science</i> , 1996, 271, 631-634.	12.6	44
10	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.	4.0	43
11	Venus Upper Clouds and the UV Absorber From MESSENGER/MASCS Observations. <i>Journal of Geophysical Research E: Planets</i> , 2018, 123, 145-162.	3.6	41
12	Dynamics of Saturn's polar regions. <i>Journal of Geophysical Research E: Planets</i> , 2015, 120, 155-176.	3.6	40
13	Ground-Based Observations of Saturn's North Polar Spot and Hexagon. <i>Science</i> , 1993, 260, 329-332.	12.6	39
14	A model for large-scale convective storms in Jupiter. <i>Journal of Geophysical Research</i> , 2002, 107, 5-1.	3.3	39
15	The Planetary Laboratory for Image Analysis (PLIA). <i>Advances in Space Research</i> , 2010, 46, 1120-1138.	2.6	37
16	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.	2.5	33
17	Clouds and Aerosols in Saturn's Atmosphere. , 2009, , 161-179.		33
18	How Long Is the Day on Saturn?. <i>Science</i> , 2005, 307, 1223-1224.	12.6	32

#	ARTICLE	IF	CITATIONS
19	Solar flux in Saturn's atmosphere: Penetration and heating rates in the aerosol and cloud layers. <i>Icarus</i> , 2006, 180, 368-378.	2.5	32
20	A chaotic long-lived vortex at the southern pole of Venus. <i>Nature Geoscience</i> , 2013, 6, 254-257.	12.9	32
21	Jupiter's cyclones and anticyclones vorticity from Voyager and Galileo images. <i>Icarus</i> , 2005, 174, 178-191.	2.5	30
22	The jovian anticyclone BAIII. Aerosol properties and color change. <i>Icarus</i> , 2009, 203, 516-530.	2.5	29
23	Dust particle size and optical depth on Mars retrieved by the MSL navigation cameras. <i>Icarus</i> , 2019, 319, 43-57.	2.5	28
24	New Observations and Studies of Saturn's Long-Lived North Polar Spot. <i>Icarus</i> , 1997, 128, 322-334.	2.5	26
25	The jovian anticyclone BAI. Motions and interaction with the GRS from observations and non-linear simulations. <i>Icarus</i> , 2009, 203, 486-498.	2.5	26
26	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.	1.7	25
27	Analysis of Neptune's 2017 bright equatorial storm. <i>Icarus</i> , 2019, 321, 324-345.	2.5	25
28	An extremely high-altitude plume seen at Mars's morning terminator. <i>Nature</i> , 2015, 518, 525-528.	27.8	24
29	<i>PlanetCam UPV/EHU</i> : A Two-channel Lucky Imaging Camera for Solar System Studies in the Spectral Range 0.38-1.7 μ m. <i>Publications of the Astronomical Society of the Pacific</i> , 2016, 128, 035002.	3.1	23
30	Cloud morphology and dynamics in Saturn's northern polar region. <i>Icarus</i> , 2018, 299, 117-132.	2.5	23
31	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.	2.5	22
32	No Hexagonal Wave around Saturn's Southern Pole. <i>Icarus</i> , 2002, 160, 216-219.	2.5	21
33	An enduring rapidly moving storm as a guide to Saturn's Equatorial jet's complex structure. <i>Nature Communications</i> , 2016, 7, 13262.	12.8	21
34	Haze and cloud structure of Saturn's North Pole and Hexagon Wave from Cassini/ISS imaging. <i>Icarus</i> , 2018, 305, 284-300.	2.5	19
35	The Rich Dynamics of Jupiter's Great Red Spot from JunoCam: Juno Images. <i>Astronomical Journal</i> , 2018, 156, 162.	4.7	19
36	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.	2.5	17

#	ARTICLE	IF	CITATIONS
37	Dynamics and Interaction between a Large-Scale Vortex and the Great Red Spot in Jupiter. <i>Icarus</i> , 1998, 136, 14-26.	2.5	16
38	The 90-day oscillations of Jupiter's Great Red Spot revisited. <i>Planetary and Space Science</i> , 2000, 48, 331-339.	1.7	15
39	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.	3.6	15
40	A planetary-scale disturbance in a long living three vortex coupled system in Saturn's atmosphere. <i>Icarus</i> , 2018, 302, 499-513.	2.5	14
41	Gas Giants. , 2019, , 72-103.		14
42	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.	2.5	13
43	A complex storm system in Saturn's north polar atmosphere in 2018. <i>Nature Astronomy</i> , 2020, 4, 180-187.	10.1	13
44	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.	5.1	13
45	Jupiter's Great Red Spot: Strong Interactions With Incoming Anticyclones in 2019. <i>Journal of Geophysical Research E: Planets</i> , 2021, 126, e2020JE006686.	3.6	12
46	Saturn's Polar Atmosphere. , 2018, , 337-376.		11
47	Characterisation of Martian dust aerosol phase function from sky radiance measurements by MSL engineering cameras. <i>Icarus</i> , 2019, 330, 16-29.	2.5	11
48	Shallow water simulations of Saturn's giant storms at different latitudes. <i>Icarus</i> , 2017, 286, 241-260.	2.5	10
49	Morphology and Dynamics of Venus's Middle Clouds With Akatsuki/IR1. <i>Geophysical Research Letters</i> , 2019, 46, 2399-2407.	4.0	10
50	Spatial distribution of jovian clouds, hazes and colors from Cassini ISS multi-spectral images. <i>Icarus</i> , 2016, 267, 34-50.	2.5	9
51	Vertical cloud structure of the 2009 Jupiter impact based on HST/WFC3 observations. <i>Icarus</i> , 2012, 221, 1061-1078.	2.5	8
52	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.	5.1	8
53	Hazes and clouds in a singular triple vortex in Saturn's atmosphere from HST/WFC3 multispectral imaging. <i>Icarus</i> , 2019, 333, 22-36.	2.5	7
54	Potential Vorticity of Saturn's Polar Regions: Seasonality and Instabilities. <i>Journal of Geophysical Research E: Planets</i> , 2019, 124, 186-201.	3.6	6

#	ARTICLE	IF	CITATIONS
55	Multilayer hazes over Saturn's hexagon from Cassini ISS limb images. Nature Communications, 2020, 11, 2281.	12.8	6
56	Convective storms in closed cyclones in Jupiter's South Temperate Belt: (I) observations. Icarus, 2022, 380, 114994.	2.5	5
57	Midsummer Atmospheric Changes in Saturn's Northern Hemisphere from the Hubble OPAL Program. Planetary Science Journal, 2021, 2, 47.	3.6	4
58	Jupiter's third largest and longest-lived oval: Color changes and dynamics. Icarus, 2021, 361, 114394.	2.5	4
59	Assessing Multi-Stream Radiative Transfer Schemes for the Calculation of Aerosol Radiative Forcing in the Martian Atmosphere. Journal of Geophysical Research E: Planets, 2021, 126, e2021JE006889.	3.6	4
60	Vertical Distribution of Aerosols and Hazes Over Jupiter's Great Red Spot and Its Surroundings in 2016 From HST/WFC3 Imaging. Journal of Geophysical Research E: Planets, 2021, 126, e2021JE006996.	3.6	4
61	Convective storms in closed cyclones in Jupiter: (II) numerical modeling. Icarus, 2022, 386, 115169.	2.5	2
62	Interaction of Saturn's Hexagon With Convective Storms. Geophysical Research Letters, 2021, 48, e2021GL092461.	4.0	1
63	Energy Exchanges in Saturn's Polar Regions From Cassini Observations: Eddy-Zonal Flow Interactions. Journal of Geophysical Research E: Planets, 2022, 127, .	3.6	1
64	From storms to cyclones at Jupiter's poles. Nature Physics, 2022, 18, 226-227.	16.7	0