MÃ¡tÃ© AdÃ¡mkovics

List of Publications by Year
in descending order

51 papers	1,291 citations	279798 23 h-index	361022 35 g-index
52 all docs	52 docs citations	52 times ranked	1367 citing authors

#	Article	IF	Citations
1	Valley formation and methane precipitation rates on Titan. Journal of Geophysical Research, 2006, 111, .	3.3	104
2	Fluvial features on Titan: Insights from morphology and modeling. Bulletin of the Geological Society of America, 2013, 125, 299-321.	3.3	93
3	Radar observations and shape model of asteroid 16 Psyche. Icarus, 2017, 281, 388-403.	2.5	87
4	FORMATION OF ORGANIC MOLECULES AND WATER IN WARM DISK ATMOSPHERES. Astrophysical Journal, 2011, 743, 147.	4.5	58
5	Persistent rings in and around Jupiterâ€™s anticyclones â€“ Observations and theory. Icarus, 2010, 210, 742-762.	2.5	52
6	Locally enhanced precipitation organized by planetary-scale waves on Titan. Nature Geoscience, 2011, 4, 589-592.	12.9	52
7	Widespread Morning Drizzle on Titan. Science, 2007, 318, 962-965.	12.6	51
8	Observations of Rotationally Resolved C3in Translucent Sight Lines. Astrophysical Journal, 2003, 595, 235-246.	4.5	48
9	AVIATRâ€”Aerial Vehicle for In-situ and Airborne Titan Reconnaissance. Experimental Astronomy, 2012, 33, 55-127.	3.7	45
10	Overview of the coordinated ground-based observations of Titan during the Huygens mission. Journal of Geophysical Research, 2006, 111, .	3.3	34
11	JUPITERâ€™S DEEP CLOUD STRUCTURE REVEALED USING KECK OBSERVATIONS OF SPECTRALLY RESOLVED LINE SHAPES. Astrophysical Journal, 2015, 810, 122.	4.5	34
12	Near-infrared monitoring of Io and detection of a violent outburst on 29 August 2013. Icarus, 2014, 242, 352-364.	2.5	31
13	SHIELDING BY WATER AND OH IN FUV AND X-RAY IRRADIATED PROTOPLANETARY DISKS. Astrophysical Journal, 2014, 786, 135.	4.5	30
14	X-RAY IONIZATION OF HEAVY ELEMENTS APPLIED TO PROTOPLANETARY DISKS. Astrophysical Journal, 2011, 736, 143.	4.5	29
15	The Gas Composition and Deep Cloud Structure of Jupiter's Great Red Spot. Astronomical Journal, 2018, 156, 101.	4.7	29
16	The near-surface methane humidity on Titan. Icarus, 2017, 286, 270-279.	2.5	27
17	First ALMA Millimeter-wavelength Maps of Jupiter, with a Multiwavelength Study of Convection. Astronomical Journal, 2019, 158, 139.	4.7	27
18	DISCOVERY OF FOG AT THE SOUTH POLE OF TITAN. Astrophysical Journal, 2009, 706, L110-L113.	4.5	26

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19	Seeing double at Neptuneâ€™s south pole. Icarus, 2010, 208, 938-944.	2.5	25
20	Two new, rare, high-effusion outburst eruptions at Rarog and Heno Paterae on Io. Icarus, 2014, 242, 365-378.	2.5	24
21	Meridional variation in tropospheric methane on Titan observed with AO spectroscopy at Keck and VLT. Icarus, 2016, 270, 376-388.	2.5	24
22	A TRANSMISSION SPECTRUM OF TITAN'S NORTH POLAR ATMOSPHERE FROM A SPECULAR REFLECTION OF THE SUN. Astrophysical Journal, 2013, 777, 161.	4.5	23
23	Global near-IR maps from Gemini-N and Keck in 2010, with a special focus on Janus Patera and Kanehekili Fluctus. Icarus, 2014, 242, 379-395.	2.5	23
24	A re-examination of the 4051 Ã... band of C3 using cavity ringdown spectroscopy of a supersonic plasma. Chemical Physics Letters, 2003, 374, 583-586.	2.6	21
25	Titan's bright spots: Multiband spectroscopic measurement of surface diversity and hazes. Journal of Geophysical Research, 2006, 111, .	3.3	21
26	Clouds and aerosols on Uranus: Radiative transfer modeling of spatially-resolved near-infrared Keck spectra. Icarus, 2015, 256, 120-137.	2.5	21
27	Three decades of Loki Patera observations. Icarus, 2017, 297, 265-281.	2.5	19
28	Titan imagery with Keck adaptive optics during and after probe entry. Journal of Geophysical Research, 2006, 111, .	3.3	18
29	Retrieving Neptuneâ€™s aerosol properties from Keck OSIRIS observations. I. Dark regions. Icarus, 2016, 276, 52-87.	2.5	18
30	Observations of a stationary mid-latitude cloud system on Titan. Icarus, 2010, 208, 868-877.	2.5	17
31	Photochemical formation rates of organic aerosols through time-resolved in situ laboratory measurements. Journal of Geophysical Research, 2003, 108, .	3.3	16
32	Diffuse Interstellar Bands Toward HD 62542. Astrophysical Journal, 2005, 625, 857-863.	4.5	16
33	Component-resolved near-infrared spectra of the (22) Kalliope system. Icarus, 2009, 204, 574-579.	2.5	16
34	FUV IRRADIATED DISK ATMOSPHERES: LYÎ± AND THE ORIGIN OF HOT H₂ EMISSION. Astrophysical Journal, 2016, 817, 82.	4.5	16
35	Spatially-resolved spectroscopy at 1.6 Î¼m of Titan's atmosphere and surface. Geophysical Research Letters, 2004, 31, n/a-n/a.	4.0	15
36	Evidence for condensed-phase methane enhancement over Xanadu on Titan. Planetary and Space Science, 2009, 57, 1586-1595.	1.7	15

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37	Keck adaptive optics images of Jupiterâ€™s north polar cap and Northern Red Oval. Icarus, 2011, 213, 559-563.	2.5	14
38	FUV Irradiation and the Heat Signature of Accretion in Protoplanetary Disk Atmospheres. Astrophysical Journal, 2017, 847, 6.	4.5	14
39	Near-infrared spectra of the uranian ring system. Icarus, 2013, 226, 1038-1044.	2.5	12
40	Emission from volcanic SO gas on Io at high spectral resolution. Icarus, 2019, 317, 104-120.	2.5	12
41	Spherical Radiative Transfer in C++ (SRTC++): A Parallel Monte Carlo Radiative Transfer Model for Titan. Astronomical Journal, 2018, 155, 264.	4.7	6
42	High Spatial and Spectral Resolution Observations of the Forbidden 1.707 Î¼m Rovibronic SO Emissions on Io: Evidence for Widespread Stealth Volcanism*. Planetary Science Journal, 2020, 1, 29.	3.6	6
43	A STUDY OF RO-VIBRATIONAL OH EMISSION FROM HERBIG Ae/Be STARS. Astrophysical Journal, 2016, 830, 112.	4.5	5
44	Water and OH Emission from the Inner Disk of a Herbig Ae/Be Star. Astrophysical Journal, 2019, 871, 173.	4.5	5
45	Modeling transmission windows in Titanâ€™s lower troposphere: Implications for infrared spectrometers aboard future aerial and surface missions. Icarus, 2021, 357, 114228.	2.5	3
46	Tracking Short-term Variations in the Haze Distribution of Titanâ€™s Atmosphere with SINFONI VLT. Planetary Science Journal, 2021, 2, 180.	3.6	3
47	Search for methane isotope fractionation due to Rayleigh distillation on Titan. Icarus, 2016, 275, 232-238.	2.5	2
48	Titanâ€™s surface and atmosphere. Icarus, 2016, 270, 1.	2.5	2
49	Observations of the global haze redistribution on Titan from 2006 to 2015 with OSIRIS at Keck. Icarus, 2017, 290, 134-149.	2.5	2
50	Correction to â€œTitan's bright spots: Multiband spectroscopic measurement of surface diversity and hazesâ€• Journal of Geophysical Research, 2008, 113, .	3.3	0
51	The changing rotational excitation of C3 in comet 9P/Tempel 1 during Deep Impact. Astrophysics and Space Science, 2012, 342, 309-315.	1.4	0