

Judit Szulagyi

List of Publications by Year in descending order

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Version: 2024-02-01

52
papers

2,124
citations

201674

27
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243625

44
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all docs

52
docs citations

52
times ranked

1640
citing authors

#	ARTICLE	IF	CITATIONS
1	Meridional Circulation of Dust and Gas in the Circumstellar Disk: Delivery of Solids onto the Circumplanetary Region. <i>Astrophysical Journal</i> , 2022, 924, 1.	4.5	19
2	An exomoon survey of 70 cool giant exoplanets and the new candidate Kepler-1708 b-i. <i>Nature Astronomy</i> , 2022, 6, 367-380.	10.1	32
3	Gas temperature structure across transition disk cavities. <i>Astronomy and Astrophysics</i> , 2022, 663, A23.	5.1	18
4	An N -body population synthesis framework for the formation of moons around Jupiter-like planets. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 504, 5455-5474.	4.4	12
5	Observability of forming planets and their circumplanetary discs – III. Polarized scattered light in near-infrared. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 506, 73-83.	4.4	7
6	First 3D grid-based gas-dust simulations of circumstellar discs with an embedded planet. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 506, 5969-5988.	4.4	19
7	Perturbers: SPHERE detection limits to planetary-mass companions in protoplanetary disks. <i>Astronomy and Astrophysics</i> , 2021, 652, A101.	5.1	36
8	Formation of satellites in circumplanetary discs generated by disc instability. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 499, 1023-1036.	4.4	12
9	RefPlanets: Search for reflected light from extrasolar planets with SPHERE/ZIMPOL. <i>Astronomy and Astrophysics</i> , 2020, 634, A69.	5.1	14
10	Searching for the near-infrared counterpart of Proxima c using multi-epoch high-contrast SPHERE data at VLT. <i>Astronomy and Astrophysics</i> , 2020, 638, A120.	5.1	11
11	Gap, shadows, spirals, and streamers: SPHERE observations of binary-disk interactions in GG Tauri A. <i>Astronomy and Astrophysics</i> , 2020, 639, A62.	5.1	31
12	Can Chondrules Be Produced by the Interaction of Jupiter with the Protosolar Disk?. <i>Astrophysical Journal</i> , 2020, 901, 60.	4.5	7
13	Hydrogen Recombination Line Luminosities and Variability from Forming Planets. <i>Astrophysical Journal</i> , 2020, 902, 126.	4.5	22
14	ALMA observations require slower Core Accretion runaway growth. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2019, 488, L12-L17.	3.3	22
15	Observability of forming planets and their circumplanetary discs II. – SEDs and near-infrared fluxes. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 487, 1248-1258.	4.4	41
16	A search for accreting young companions embedded in circumstellar disks. <i>Astronomy and Astrophysics</i> , 2019, 622, A156.	5.1	50
17	High-resolution ALMA Observations of HD 100546: Asymmetric Circumstellar Ring and Circumplanetary Disk Upper Limits. <i>Astrophysical Journal</i> , 2019, 871, 48.	4.5	54
18	Post-conjunction detection of β Pictoris b with VLT/SPHERE. <i>Astronomy and Astrophysics</i> , 2019, 621, L8.	5.1	41

#	ARTICLE	IF	CITATIONS
19	Detection of H α emission from PZ Telescopii B using SPHERE/ZIMPOL. <i>Astronomy and Astrophysics</i> , 2019, 631, A84.	5.1	6
20	Dust production in the debris disk around HR 4796 A. <i>Astronomy and Astrophysics</i> , 2019, 630, A142.	5.1	18
21	Mapping of shadows cast on a protoplanetary disk by a close binary system. <i>Nature Astronomy</i> , 2019, 3, 167-172.	10.1	11
22	In Situ Formation of Icy Moons of Uranus and Neptune. <i>Astrophysical Journal Letters</i> , 2018, 868, L13.	8.3	27
23	Dust Evolution and Satellitesimal Formation in Circumplanetary Disks. <i>Astrophysical Journal</i> , 2018, 866, 142.	4.5	28
24	Evolution of protoplanetary disks from their taxonomy in scattered light: spirals, rings, cavities, and shadows. <i>Astronomy and Astrophysics</i> , 2018, 620, A94.	5.1	82
25	Observability of forming planets and their circumplanetary discs – I. Parameter study for ALMA. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 473, 3573-3583.	4.4	35
26	New disk discovered with VLT/SPHERE around the M star GSC 07396-00759. <i>Astronomy and Astrophysics</i> , 2018, 613, L6.	5.1	22
27	Effects of the Planetary Temperature on the Circumplanetary Disk and on the Gap. <i>Astrophysical Journal</i> , 2017, 842, 103.	4.5	59
28	Exploring Dust around HD 142527 down to 0.03025 (4 au) Using SPHERE/ZIMPOL. <i>Astronomical Journal</i> , 2017, 154, 33.	4.7	62
29	Circumplanetary discs around young giant planets: a comparison between core-accretion and disc instability. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 464, 3158-3168.	4.4	42
30	The Circumstellar Disk HD 169142: Gas, Dust, and Planets Acting in Concert?*. <i>Astrophysical Journal</i> , 2017, 850, 52.	4.5	82
31	Discovery of a warm, dusty giant planet around HIP 65426. <i>Astronomy and Astrophysics</i> , 2017, 605, L9.	5.1	172
32	SPHERE/ZIMPOL observations of the symbiotic system R Aquarii. <i>Astronomy and Astrophysics</i> , 2017, 602, A53.	5.1	37
33	New constraints on the disk characteristics and companion candidates around T Chamaeleontis with VLT/SPHERE. <i>Astronomy and Astrophysics</i> , 2017, 605, A34.	5.1	34
34	The HIP 79977 debris disk in polarized light. <i>Astronomy and Astrophysics</i> , 2017, 607, A90.	5.1	40
35	Transiting planet candidates with ASTEP-400 at Dome C, Antarctica. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 463, 45-62.	4.4	54
36	Circumplanetary disc or circumplanetary envelope?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 460, 2853-2861.	4.4	115

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37	Six winters of photometry from Dome C, Antarctica: challenges, improvements, and results from the ASTEP experiment. Proceedings of SPIE, 2016, , .	0.8	0
38	PLANET FORMATION SIGNPOSTS: OBSERVABILITY OF CIRCUMPLANETARY DISKS VIA GAS KINEMATICS. Astrophysical Journal Letters, 2015, 811, L5.	8.3	112
39	Outwards migration for planets in stellar irradiated 3D discs. Monthly Notices of the Royal Astronomical Society, 2015, 452, 1717-1726.	4.4	29
40	Planet heating prevents inward migration of planetary cores. Nature, 2015, 520, 63-65.	27.8	127
41	ACCRETION OF JUPITER-MASS PLANETS IN THE LIMIT OF VANISHING VISCOSITY. Astrophysical Journal, 2014, 782, 65.	4.5	173
42	Meridional circulation of gas into gaps opened by giant planets in three-dimensional low-viscosity disks. Icarus, 2014, 232, 266-270.	2.5	112
43	Unveiling new members in five nearby young moving groups. Monthly Notices of the Royal Astronomical Society, 2013, 435, 1376-1388.	4.4	36
44	A RESOLVED DEBRIS DISK AROUND THE CANDIDATE PLANET-HOSTING STAR HD 95086. Astrophysical Journal Letters, 2013, 775, L51.	8.3	42
45	The secondary eclipses of WASP-19b as seen by the ASTEP400 telescope from Antarctica. Astronomy and Astrophysics, 2013, 553, A49.	5.1	40
46	Time domain astronomy from Dome C: results from ASTEP. Proceedings of the International Astronomical Union, 2012, 8, 218-225.	0.0	0
47	ASTEP South: a first photometric analysis. Proceedings of the International Astronomical Union, 2012, 8, 226-230.	0.0	1
48	OBSERVATIONAL CONSTRAINTS ON THE STELLAR RADIATION FIELD IMPINGING ON TRANSITIONAL DISK ATMOSPHERES. Astrophysical Journal, 2012, 759, 47.	4.5	9
49	Two years of polar winter observations with the ASTEP400 telescope. , 2012, , .		0
50	Application of the trend filtering algorithm to the MACHO database. Astronomy and Astrophysics, 2009, 500, 917-927.	5.1	4
51	Thermodynamics of Giant Planet Formation: Shocking Hot Surfaces on Circumplanetary Disks. Monthly Notices of the Royal Astronomical Society: Letters, 0, , .	3.3	51
52	Satellites Form Fast & Late: a Population Synthesis for the Galilean Moons. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	14