

# 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  
h-index

243625

44  
g-index

52  
all docs

52  
docs citations

52  
times ranked

1640  
citing authors

#	ARTICLE	IF	CITATIONS
1	ACCRETION OF JUPITER-MASS PLANETS IN THE LIMIT OF VANISHING VISCOSITY. <i>Astrophysical Journal</i> , 2014, 782, 65.	4.5	173
2	Discovery of a warm, dusty giant planet around HIP 65426. <i>Astronomy and Astrophysics</i> , 2017, 605, L9.	5.1	172
3	Planet heating prevents inward migration of planetary cores. <i>Nature</i> , 2015, 520, 63-65.	27.8	127
4	Circumplanetary disc or circumplanetary envelope?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 460, 2853-2861.	4.4	115
5	Meridional circulation of gas into gaps opened by giant planets in three-dimensional low-viscosity disks. <i>Icarus</i> , 2014, 232, 266-270.	2.5	112
6	PLANET FORMATION SIGNPOSTS: OBSERVABILITY OF CIRCUMPLANETARY DISKS VIA GAS KINEMATICS. <i>Astrophysical Journal Letters</i> , 2015, 811, L5.	8.3	112
7	The Circumstellar Disk HD 169142: Gas, Dust, and Planets Acting in Concert?*. <i>Astrophysical Journal</i> , 2017, 850, 52.	4.5	82
8	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
9	Exploring Dust around HD 142527 down to 0.3025 (4 au) Using SPHERE/ZIMPOL. <i>Astronomical Journal</i> , 2017, 154, 33.	4.7	62
10	Effects of the Planetary Temperature on the Circumplanetary Disk and on the Gap. <i>Astrophysical Journal</i> , 2017, 842, 103.	4.5	59
11	Transiting planet candidates with ASTEP400 at Dome C, Antarctica. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 463, 45-62.	4.4	54
12	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
13	Thermodynamics of Giant Planet Formation: Shocking Hot Surfaces on Circumplanetary Disks. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 0, , .	3.3	51
14	A search for accreting young companions embedded in circumstellar disks. <i>Astronomy and Astrophysics</i> , 2019, 622, A156.	5.1	50
15	A RESOLVED DEBRIS DISK AROUND THE CANDIDATE PLANET-HOSTING STAR HD 95086. <i>Astrophysical Journal Letters</i> , 2013, 775, L51.	8.3	42
16	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
17	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
18	Post-conjunction detection of $\beta$ Pictoris b with VLT/SPHERE. <i>Astronomy and Astrophysics</i> , 2019, 621, L8.	5.1	41

#	ARTICLE	IF	CITATIONS
19	The secondary eclipses of WASP-19b as seen by the ASTEP-400 telescope from Antarctica. <i>Astronomy and Astrophysics</i> , 2013, 553, A49.	5.1	40
20	The HIP 79977 debris disk in polarized light. <i>Astronomy and Astrophysics</i> , 2017, 607, A90.	5.1	40
21	SPHERE/ZIMPOL observations of the symbiotic system R Aquarii. <i>Astronomy and Astrophysics</i> , 2017, 602, A53.	5.1	37
22	Unveiling new members in five nearby young moving groups. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 435, 1376-1388.	4.4	36
23	Perturbbers: SPHERE detection limits to planetary-mass companions in protoplanetary disks. <i>Astronomy and Astrophysics</i> , 2021, 652, A101.	5.1	36
24	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
25	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
26	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
27	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
28	Outwards migration for planets in stellar irradiated 3D discs. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 452, 1717-1726.	4.4	29
29	Dust Evolution and Satellitesimal Formation in Circumplanetary Disks. <i>Astrophysical Journal</i> , 2018, 866, 142.	4.5	28
30	In Situ Formation of Icy Moons of Uranus and Neptune. <i>Astrophysical Journal Letters</i> , 2018, 868, L13.	8.3	27
31	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
32	New disk discovered with VLT/SPHERE around the M star GSC 07396-00759. <i>Astronomy and Astrophysics</i> , 2018, 613, L6.	5.1	22
33	Hydrogen Recombination Line Luminosities and Variability from Forming Planets. <i>Astrophysical Journal</i> , 2020, 902, 126.	4.5	22
34	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
35	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
36	Dust production in the debris disk around HR 4796 A. <i>Astronomy and Astrophysics</i> , 2019, 630, A142.	5.1	18

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37	Gas temperature structure across transition disk cavities. <i>Astronomy and Astrophysics</i> , 2022, 663, A23.	5.1	18
38	Satellites Form Fast & Late: a Population Synthesis for the Galilean Moons. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , .	4.4	14
39	RefPlanets: Search for reflected light from extrasolar planets with SPHERE/ZIMPOL. <i>Astronomy and Astrophysics</i> , 2020, 634, A69.	5.1	14
40	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
41	An <i>N</i> -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
42	Mapping of shadows cast on a protoplanetary disk by a close binary system. <i>Nature Astronomy</i> , 2019, 3, 167-172.	10.1	11
43	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
44	OBSERVATIONAL CONSTRAINTS ON THE STELLAR RADIATION FIELD IMPINGING ON TRANSITIONAL DISK ATMOSPHERES. <i>Astrophysical Journal</i> , 2012, 759, 47.	4.5	9
45	Observability of forming planets and their circumplanetary discs â€” III. Polarized scattered light in near-infrared. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 506, 73-83.	4.4	7
46	Can Chondrules Be Produced by the Interaction of Jupiter with the Protosolar Disk?. <i>Astrophysical Journal</i> , 2020, 901, 60.	4.5	7
47	Detection of H $\alpha$ emission from PZ Telescopii B using SPHERE/ZIMPOL. <i>Astronomy and Astrophysics</i> , 2019, 631, A84.	5.1	6
48	Application of the trend filtering algorithm to the MACHO database. <i>Astronomy and Astrophysics</i> , 2009, 500, 917-927.	5.1	4
49	ASTEP South: a first photometric analysis. <i>Proceedings of the International Astronomical Union</i> , 2012, 8, 226-230.	0.0	1
50	Time domain astronomy from Dome C: results from ASTEP. <i>Proceedings of the International Astronomical Union</i> , 2012, 8, 218-225.	0.0	0
51	Two years of polar winter observations with the ASTEP400 telescope. , 2012, , .		0
52	Six winters of photometry from Dome C, Antarctica: challenges, improvements, and results from the ASTEP experiment. <i>Proceedings of SPIE</i> , 2016, , .	0.8	0