

Markus Janson

List of Publications by Year in descending order

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97
papers

3,231
citations

159358

30
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97
docs citations

97
times ranked

2040
citing authors

#	ARTICLE	IF	CITATIONS
1	THE ASTRALUX LARGE M-DWARF MULTIPLICITY SURVEY. <i>Astrophysical Journal</i> , 2012, 754, 44.	1.6	185
2	A STATISTICAL ANALYSIS OF SEEDS AND OTHER HIGH-CONTRAST EXOPLANET SURVEYS: MASSIVE PLANETS OR LOW-MASS BROWN DWARFS?. <i>Astrophysical Journal</i> , 2014, 794, 159.	1.6	124
3	INFRARED NON-DETECTION OF FOMALHAUT b: IMPLICATIONS FOR THE PLANET INTERPRETATION. <i>Astrophysical Journal</i> , 2012, 747, 116.	1.6	98
4	DISCOVERY OF A DISK GAP CANDIDATE AT 20 AU IN TW HYDRAE. <i>Astrophysical Journal Letters</i> , 2015, 802, L17.	3.0	96
5	HIGH-CONTRAST IMAGING SEARCH FOR PLANETS AND BROWN DWARFS AROUND THE MOST MASSIVE STARS IN THE SOLAR NEIGHBORHOOD. <i>Astrophysical Journal</i> , 2011, 736, 89.	1.6	95
6	Fast-moving features in the debris disk around AU Microscopii. <i>Nature</i> , 2015, 526, 230-232.	13.7	95
7	RECOVERY OF THE CANDIDATE PROTOPLANET HD 100546 b WITH GEMINI/NICI AND DETECTION OF ADDITIONAL (PLANET-INDUCED?) DISK STRUCTURE AT SMALL SEPARATIONS. <i>Astrophysical Journal Letters</i> , 2014, 796, L30.	3.0	94
8	The Circumstellar Disk HD 169142: Gas, Dust, and Planets Acting in Concert?*. <i>Astrophysical Journal</i> , 2017, 850, 52.	1.6	82
9	OPTICAL IMAGING POLARIMETRY OF THE LkCa 15 PROTOPLANETARY DISK WITH SPHERE ZIMPOL. <i>Astrophysical Journal Letters</i> , 2015, 808, L41.	3.0	81
10	RESOLVING THE PLANET-HOSTING INNER REGIONS OF THE LkCa 15 DISK*. <i>Astrophysical Journal Letters</i> , 2016, 828, L17.	3.0	80
11	THE SEEDS DIRECT IMAGING SURVEY FOR PLANETS AND SCATTERED DUST EMISSION IN DEBRIS DISK SYSTEMS. <i>Astrophysical Journal</i> , 2013, 773, 73.	1.6	77
12	DIRECT IMAGING DETECTION OF METHANE IN THE ATMOSPHERE OF GJ 504 b. <i>Astrophysical Journal Letters</i> , 2013, 778, L4.	3.0	76
13	The SEEDS High-Contrast Imaging Survey of Exoplanets Around Young Stellar Objects. <i>Astronomical Journal</i> , 2017, 153, 106.	1.9	68
14	MAPPING <i>H</i> -BAND SCATTERED LIGHT EMISSION IN THE MYSTERIOUS SR21 TRANSITIONAL DISK. <i>Astrophysical Journal</i> , 2013, 767, 10.	1.6	66
15	Detailed structure of the outer disk around HD 169142 with polarized light in <i>H</i> -band. <i>Publication of the Astronomical Society of Japan</i> , 2015, 67, .	1.0	65
16	SEEDS ADAPTIVE OPTICS IMAGING OF THE ASYMMETRIC TRANSITION DISK OPH IRS 48 IN SCATTERED LIGHT. <i>Astrophysical Journal</i> , 2015, 798, 132.	1.6	59
17	THE ASTRALUX MULTIPLICITY SURVEY: EXTENSION TO LATE M-DWARFS. <i>Astrophysical Journal</i> , 2014, 789, 102.	1.6	57
18	DISCOVERY OF AN $\sim 1/423 M_{\text{Jup}}$ BROWN DWARF ORBITING $\sim 1/4700$ AU FROM THE MASSIVE STAR HIP 78530 IN UPPER SCORPIUS. <i>Astrophysical Journal</i> , 2011, 730, 42.	1.6	56

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19	TERRESTRIAL PLANETS ACROSS SPACE AND TIME. <i>Astrophysical Journal</i> , 2016, 833, 214.	1.6	53
20	Search for Outer Massive Bodies around Transiting Planetary Systems: Candidates of Faint Stellar Companions around HAT-P-7. <i>Publication of the Astronomical Society of Japan</i> , 2010, 62, 779-786.	1.0	47
21	Direct Imaging Search for Extrasolar Planets in the Pleiades. <i>Publication of the Astronomical Society of Japan</i> , 2013, 65, .	1.0	47
22	AN ADAPTIVE OPTICS MULTIPLICITY CENSUS OF YOUNG STARS IN UPPER SCORPIUS. <i>Astrophysical Journal</i> , 2014, 785, 47.	1.6	47
23	High-contrast imaging with <i>Spitzer</i> : deep observations of Vega, Fomalhaut, and μ Eridani. <i>Astronomy and Astrophysics</i> , 2015, 574, A120.	2.1	47
24	HOW DO MOST PLANETS FORM? CONSTRAINTS ON DISK INSTABILITY FROM DIRECT IMAGING. <i>Astrophysical Journal</i> , 2012, 745, 4.	1.6	46
25	HIGH CONTRAST IMAGING WITH SPITZER: CONSTRAINING THE FREQUENCY OF GIANT PLANETS OUT TO 1000 au SEPARATIONS. <i>Astrophysical Journal</i> , 2016, 824, 58.	1.6	46
26	Extreme asymmetry in the polarized disk of V1247 Orionis. <i>Publication of the Astronomical Society of Japan</i> , 2016, 68, .	1.0	45
27	A Common Proper Motion Stellar Companion to HAT-P-7. <i>Publication of the Astronomical Society of Japan</i> , 2012, 64, .	1.0	44
28	SUB-STELLAR COMPANIONS AND STELLAR MULTIPLICITY IN THE TAURUS STAR-FORMING REGION. <i>Astrophysical Journal</i> , 2015, 799, 155.	1.6	44
29	NEW BROWN DWARF COMPANIONS TO YOUNG STARS IN SCORPIUS-CENTAURUS. <i>Astrophysical Journal Letters</i> , 2012, 758, L2.	3.0	41
30	A SYSTEMATIC SEARCH FOR TROJAN PLANETS IN THE <i>KEPLER</i> DATA. <i>Astrophysical Journal</i> , 2013, 774, 156.	1.6	41
31	Detection of the nearest Jupiter analogue in radial velocity and astrometry data. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 490, 5002-5016.	1.6	41
32	A Search for Variability in Exoplanet Analogues and Low-Gravity Brown Dwarfs. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , .	1.6	39
33	SCEXAO/CHARIS Near-infrared Direct Imaging, Spectroscopy, and Forward-Modeling of ρ And b: A Likely Young, Low-gravity Superjovian Companion. <i>Astronomical Journal</i> , 2018, 156, 291.	1.9	39
34	High-Resolution Near-Infrared Polarimetry of a Circumstellar Disk around UX Tau A. <i>Publication of the Astronomical Society of Japan</i> , 2012, 64, .	1.0	37
35	HIGH-CONTRAST NEAR-INFRARED IMAGING POLARIMETRY OF THE PROTOPLANETARY DISK AROUND RY TAU. <i>Astrophysical Journal</i> , 2013, 772, 145.	1.6	37
36	<i>Spitzer</i> Variability Properties of Low-gravity L Dwarfs. <i>Astronomical Journal</i> , 2020, 160, 38.	1.9	37

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37	CHARACTERIZATION OF LOW-MASS, WIDE-SEPARATION SUBSTELLAR COMPANIONS TO STARS IN UPPER SCORPIUS: NEAR-INFRARED PHOTOMETRY AND SPECTROSCOPY. <i>Astrophysical Journal</i> , 2015, 802, 61.	1.6	36
38	SEARCHING FOR YOUNG JUPITER ANALOGS AROUND AP COL: <i>L</i> -BAND HIGH-CONTRAST IMAGING OF THE CLOSEST PRE-MAIN-SEQUENCE STAR. <i>Astrophysical Journal</i> , 2012, 754, 127.	1.6	35
39	SCEXAO/CHARIS Direct Imaging Discovery of a 20 au Separation, Low-mass Ratio Brown Dwarf Companion to an Accelerating Sun-like Star [*] . <i>Astrophysical Journal Letters</i> , 2020, 904, L25.	3.0	33
40	A MULTIPLICITY CENSUS OF INTERMEDIATE-MASS STARS IN SCORPIUS-CENTAURUS. <i>Astrophysical Journal</i> , 2013, 773, 170.	1.6	32
41	ORBITAL MONITORING OF THE ASTRALUX LARGE M-DWARF MULTIPLICITY SAMPLE. <i>Astrophysical Journal, Supplement Series</i> , 2014, 214, 17.	3.0	32
42	HIGH-RESOLUTION SUBMILLIMETER AND NEAR-INFRARED STUDIES OF THE TRANSITION DISK AROUND Sz 91. <i>Astrophysical Journal</i> , 2014, 783, 90.	1.6	29
43	Binaries among low-mass stars in nearby young moving groups. <i>Astronomy and Astrophysics</i> , 2017, 599, A70.	2.1	29
44	Improving dynamical mass constraints for intermediate-period substellar companions using <i>Gaia</i> DR2. <i>Astronomy and Astrophysics</i> , 2018, 615, A149.	2.1	29
45	HIGH-CONTRAST IMAGING OF INTERMEDIATE-MASS GIANTS WITH LONG-TERM RADIAL VELOCITY TRENDS. <i>Astrophysical Journal</i> , 2016, 825, 127.	1.6	28
46	SURFACE GEOMETRY OF PROTOPLANETARY DISKS INFERRED FROM NEAR-INFRARED IMAGING POLARIMETRY. <i>Astrophysical Journal</i> , 2014, 795, 71.	1.6	27
47	SPIRAL STRUCTURE AND DIFFERENTIAL DUST SIZE DISTRIBUTION IN THE LkH α 330 DISK. <i>Astronomical Journal</i> , 2016, 152, 222.	1.9	27
48	NACO-SDI Direct Imaging Search for the Exoplanet ϵ Eri b. <i>Astronomical Journal</i> , 2007, 133, 2442-2456.	1.9	26
49	Strong H α emission and signs of accretion in a circumbinary planetary mass companion from MUSE. <i>Astronomy and Astrophysics</i> , 2020, 638, L6.	2.1	26
50	Subaru/SCEXAO First-light Direct Imaging of a Young Debris Disk around HD 36546. <i>Astrophysical Journal Letters</i> , 2017, 836, L15.	3.0	25
51	Conceptual design of the Coronagraphic High Angular Resolution Imaging Spectrograph (CHARIS) for the Subaru telescope. <i>Proceedings of SPIE</i> , 2012, .	0.8	24
52	DETECTION OF SHARP SYMMETRIC FEATURES IN THE CIRCUMBINARY DISK AROUND AK Sco [*] . <i>Astrophysical Journal Letters</i> , 2016, 816, L1.	3.0	24
53	Subaru/HiCIAO HK _s Imaging of LKHa 330: Multi-band Detection of the Gap and Spiral-like Structures. <i>Astronomical Journal</i> , 2018, 156, 63.	1.9	24
54	Multi-epoch Direct Imaging and Time-variable Scattered Light Morphology of the HD 163296 Protoplanetary Disk. <i>Astrophysical Journal</i> , 2019, 875, 38.	1.6	23

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55	A wide-orbit giant planet in the high-mass β Centauri binary system. <i>Nature</i> , 2021, 600, 231-234.	13.7	23
56	Isochronal age-mass discrepancy of young stars: SCEXAO/CHARIS integral field spectroscopy of the HIP 79124 triple system. <i>Astronomy and Astrophysics</i> , 2019, 622, A42.	2.1	20
57	Near-infrared imaging polarimetry of LkCa 15: A possible warped inner disk. <i>Publication of the Astronomical Society of Japan</i> , 2016, 68, .	1.0	19
58	The B-Star Exoplanet Abundance Study: a co-moving $16 M_{\text{Jup}}$ companion to the young binary system HIP 79098. <i>Astronomy and Astrophysics</i> , 2019, 626, A99.	2.1	19
59	BEAST begins: sample characteristics and survey performance of the B-star Exoplanet Abundance Study. <i>Astronomy and Astrophysics</i> , 2021, 646, A164.	2.1	19
60	Detection of new strongly variable brown dwarfs in the L/T transition. <i>Astronomy and Astrophysics</i> , 2019, 629, A145.	2.1	18
61	Dust production in the debris disk around HR 4796 A. <i>Astronomy and Astrophysics</i> , 2019, 630, A142.	2.1	18
62	The Surprisingly Low Carbon Mass in the Debris Disk around HD 32297. <i>Astrophysical Journal</i> , 2020, 892, 99.	1.6	18
63	Near-infrared polarimetry of the GG Tauri A binary system. <i>Research in Astronomy and Astrophysics</i> , 2014, 14, 1438-1446.	0.7	15
64	SCEXAO AND GPI BAND PHOTOMETRY AND INTEGRAL FIELD SPECTROSCOPY OF THE YOUNG BROWN DWARF COMPANION TO HD 1160. <i>Astrophysical Journal</i> , 2017, 834, 162.	1.6	15
65	NEAR-IR HIGH-RESOLUTION IMAGING POLARIMETRY OF THE SU Aur DISK: CLUES FOR TIDAL TAILS?. <i>Astrophysical Journal Letters</i> , 2015, 806, L10.	3.0	14
66	A NEW SUB-STELLAR COMPANION AROUND THE YOUNG STAR HD 284149. <i>Astrophysical Journal Letters</i> , 2014, 791, L40.	3.0	13
67	NEAR-INFRARED IMAGING POLARIMETRY OF INNER REGION OF GG TAU A DISK. <i>Astronomical Journal</i> , 2017, 153, 7.	1.9	12
68	The discrepancy between dynamical and theoretical mass in the triplet-system 2MASS J10364483+1521394. <i>Astronomy and Astrophysics</i> , 2017, 604, A82.	2.1	12
69	WEIRD: Wide-orbit Exoplanet Search with InfraRed Direct Imaging. <i>Astronomical Journal</i> , 2018, 156, 137.	1.9	11
70	M-dwarf binaries as tracers of star and brown dwarf formation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 452, 1014-1025.	1.6	9
71	A RESOLVED NEAR-INFRARED IMAGE OF THE INNER CAVITY IN THE GM Aur TRANSITIONAL DISK. <i>Astrophysical Journal Letters</i> , 2016, 831, L7.	3.0	9
72	The far reaches of the β Pictoris debris disk. <i>Astronomy and Astrophysics</i> , 2021, 646, A132.	2.1	9

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73	Tidal disruption versus planetesimal collisions as possible origins for the dispersing dust cloud around Fomalhaut. <i>Astronomy and Astrophysics</i> , 2020, 640, A93.	2.1	9
74	Dynamical masses for two M1 + mid-M dwarf binaries monitored during the SPHERE-SHINE survey. <i>Astronomy and Astrophysics</i> , 2022, 658, A145.	2.1	9
75	Construction and status of the CHARIS high contrast imaging spectrograph. <i>Proceedings of SPIE</i> , 2014, , .	0.8	8
76	High-contrast Polarimetry Observation of the T Tau Circumstellar Environment. <i>Astrophysical Journal</i> , 2018, 861, 133.	1.6	8
77	A super-Earth orbiting near the inner edge of the habitable zone around the M4.5-dwarf Ross 508. <i>Publication of the Astronomical Society of Japan</i> , 2022, 74, 904-922.	1.0	8
78	CONSTRAINING THE MOVEMENT OF THE SPIRAL FEATURES AND THE LOCATIONS OF PLANETARY BODIES WITHIN THE AB AUR SYSTEM. <i>Astrophysical Journal</i> , 2016, 828, 2.	1.6	7
79	A Radial velocity survey of spatially resolved young, low-mass binaries. <i>Astronomy and Astrophysics</i> , 2018, 618, A5.	2.1	7
80	Investigating three Sirius-like systems with SPHERE. <i>Astronomy and Astrophysics</i> , 2021, 646, A61.	2.1	7
81	The fundamental stellar parameters of FGK stars in the SEEDS survey Norman, OK 73071, USA. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 472, 1736-1752.	1.6	6
82	NEAR-IR POLARIZED SCATTERED LIGHT IMAGERY OF THE DoAr 28 TRANSITIONAL DISK. <i>Astronomical Journal</i> , 2015, 150, 86.	1.9	5
83	SEEDS DIRECT IMAGING OF THE RV-DETECTED COMPANION TO V450 ANDROMEDAE, AND CHARACTERIZATION OF THE SYSTEM. <i>Astrophysical Journal</i> , 2016, 832, 33.	1.6	5
84	Dynamical masses of M-dwarf binaries in young moving groups. <i>Astronomy and Astrophysics</i> , 2018, 620, A33.	2.1	5
85	Subaru Near-infrared Imaging Polarimetry of Misaligned Disks around the SR 24 Hierarchical Triple System*. <i>Astronomical Journal</i> , 2020, 159, 12.	1.9	5
86	Spectral characterization of newly detected young substellar binaries with SINFONI. <i>Astronomy and Astrophysics</i> , 2019, 627, A167.	2.1	4
87	Constraints on the nearby exoplanet μ Indi Ab from deep near- and mid-infrared imaging limits. <i>Astronomy and Astrophysics</i> , 2021, 651, A89.	2.1	4
88	Atmospheric Characterization and Further Orbital Modeling of η Andromeda b. <i>Astronomical Journal</i> , 2020, 159, 40.	1.9	4
89	SCEAO/CHARIS Direct Imaging of A Low-mass Companion At A Saturn-like Separation from an Accelerating Young A7 Star. <i>Astronomical Journal</i> , 2021, 162, 251.	1.9	4
90	A substellar companion to Pleiades $\text{HII} 3441$. <i>Publication of the Astronomical Society of Japan</i> , 2016, 68, .	1.0	3

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91	High-resolution Near-infrared Polarimetry and Submillimeter Imaging of FS Tau A: Possible Streamers in Misaligned Circumbinary Disk System. <i>Astrophysical Journal</i> , 2020, 889, 140.	1.6	3
92	Radial decoupling of small and large dust grains in the transitional disk RX J1615.3-3255. <i>Astronomy and Astrophysics</i> , 2017, 597, A132.	2.1	2
93	High-Resolution Imaging of Transiting Exoplanet Host Stars with AstraLux. , 2009, , .		1
94	The discrepancy between dynamical and theoretical mass in the triplet-system 2MASS J10364483+1521394 (<i>Corrigendum</i>). <i>Astronomy and Astrophysics</i> , 2018, 618, C6.	2.1	1
95	Orbital Characterization of GJ1108A System, and Comparison of Dynamical Mass with Model-derived Mass for Resolved Binaries. <i>Astrophysical Journal</i> , 2018, 865, 152.	1.6	1
96	Characterising young visual M-dwarf binaries with near-infrared integral field spectra. <i>Astronomy and Astrophysics</i> , 2020, 642, A57.	2.1	1
97	Occluder to earth: prospects for studying earth-like planets with the E-ELT and a space-based occulter. <i>Experimental Astronomy</i> , 2022, 54, 1223-1236.	1.6	0