

Markus Janson

List of Publications by Citations

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94
papers

2,558
citations

32
h-index

47
g-index

97
ext. papers

2,955
ext. citations

5.9
avg, IF

4.55
L-index

#	Paper	IF	Citations
94	THE ASTRALUX LARGE M-DWARF MULTIPLICITY SURVEY. <i>Astrophysical Journal</i> , 2012 , 754, 44	4.7	157
93	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	4.7	113
92	INFRARED NON-DETECTION OF FOMALHAUT b: IMPLICATIONS FOR THE PLANET INTERPRETATION. <i>Astrophysical Journal</i> , 2012 , 747, 116	4.7	87
91	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	4.7	84
90	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	7.9	83
89	Fast-moving features in the debris disk around AU Microscopii. <i>Nature</i> , 2015 , 526, 230-2	50.4	78
88	OPTICAL IMAGING POLARIMETRY OF THE LkCa 15 PROTOPLANETARY DISK WITH SPHERE ZIMPOL. <i>Astrophysical Journal Letters</i> , 2015 , 808, L41	7.9	71
87	DISCOVERY OF A DISK GAP CANDIDATE AT 20 AU IN TW HYDRAE. <i>Astrophysical Journal Letters</i> , 2015 , 802, L17	7.9	68
86	The Circumstellar Disk HD 169142: Gas, Dust, and Planets Acting in Concert?. <i>Astrophysical Journal</i> , 2017 , 850, 52	4.7	66
85	THE SEEDS DIRECT IMAGING SURVEY FOR PLANETS AND SCATTERED DUST EMISSION IN DEBRIS DISK SYSTEMS. <i>Astrophysical Journal</i> , 2013 , 773, 73	4.7	66
84	DIRECT IMAGING DETECTION OF METHANE IN THE ATMOSPHERE OF GJ 504 b. <i>Astrophysical Journal Letters</i> , 2013 , 778, L4	7.9	63
83	MAPPINGH-BAND SCATTERED LIGHT EMISSION IN THE MYSTERIOUS SR21 TRANSITIONAL DISK. <i>Astrophysical Journal</i> , 2013 , 767, 10	4.7	63
82	RESOLVING THE PLANET-HOSTING INNER REGIONS OF THE LkCa 15 DISK. <i>Astrophysical Journal Letters</i> , 2016 , 828, L17	7.9	59
81	The SEEDS High-Contrast Imaging Survey of Exoplanets Around Young Stellar Objects. <i>Astronomical Journal</i> , 2017 , 153, 106	4.9	55
80	Detailed structure of the outer disk around HD 169142 with polarized light in H-band. <i>Publication of the Astronomical Society of Japan</i> , 2015 , 67, 83	3.2	55
79	SEEDS ADAPTIVE OPTICS IMAGING OF THE ASYMMETRIC TRANSITION DISK OPH IRS 48 IN SCATTERED LIGHT. <i>Astrophysical Journal</i> , 2015 , 798, 132	4.7	52
78	DISCOVERY OF AN ~23M _{Jup} BROWN DWARF ORBITING ~700 AU FROM THE MASSIVE STAR HIP 78530 IN UPPER SCORPIUS. <i>Astrophysical Journal</i> , 2011 , 730, 42	4.7	52

77	THE ASTRALUX MULTIPLICITY SURVEY: EXTENSION TO LATE M-DWARFS. <i>Astrophysical Journal</i> , 2014 , 789, 102	4.7	49
76	AN ADAPTIVE OPTICS MULTIPLICITY CENSUS OF YOUNG STARS IN UPPER SCORPIUS. <i>Astrophysical Journal</i> , 2014 , 785, 47	4.7	42
75	HIGH CONTRAST IMAGING WITH SPITZER: CONSTRAINING THE FREQUENCY OF GIANT PLANETS OUT TO 1000 au SEPARATIONS. <i>Astrophysical Journal</i> , 2016 , 824, 58	4.7	41
74	Direct Imaging Search for Extrasolar Planets in the Pleiades. <i>Publication of the Astronomical Society of Japan</i> , 2013 , 65, 90	3.2	41
73	HOW DO MOST PLANETS FORM? CONSTRAINTS ON DISK INSTABILITY FROM DIRECT IMAGING. <i>Astrophysical Journal</i> , 2012 , 745, 4	4.7	41
72	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	3.2	40
71	TERRESTRIAL PLANETS ACROSS SPACE AND TIME. <i>Astrophysical Journal</i> , 2016 , 833, 214	4.7	40
70	High-contrast imaging with Spitzer: deep observations of Vega, Fomalhaut, and Eridani. <i>Astronomy and Astrophysics</i> , 2015 , 574, A120	5.1	39
69	Extreme asymmetry in the polarized disk of V1247 Orionis. <i>Publication of the Astronomical Society of Japan</i> , 2016 , 68, 53	3.2	37
68	A Common Proper Motion Stellar Companion to HAT-P-7. <i>Publication of the Astronomical Society of Japan</i> , 2012 , 64, L7	3.2	36
67	SUB-STELLAR COMPANIONS AND STELLAR MULTIPLICITY IN THE TAURUS STAR-FORMING REGION. <i>Astrophysical Journal</i> , 2015 , 799, 155	4.7	35
66	A SYSTEMATIC SEARCH FOR TROJAN PLANETS IN THE KEPLER DATA. <i>Astrophysical Journal</i> , 2013 , 774, 156	4.7	35
65	High-Resolution Near-Infrared Polarimetry of a Circumstellar Disk around UX Tau A. <i>Publication of the Astronomical Society of Japan</i> , 2012 , 64, 124	3.2	34
64	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	4.7	33
63	NEW BROWN DWARF COMPANIONS TO YOUNG STARS IN SCORPIUS-CENTAURUS. <i>Astrophysical Journal Letters</i> , 2012 , 758, L2	7.9	33
62	HIGH-CONTRAST NEAR-INFRARED IMAGING POLARIMETRY OF THE PROTOPLANETARY DISK AROUND RY TAU. <i>Astrophysical Journal</i> , 2013 , 772, 145	4.7	30
61	ORBITAL MONITORING OF THE ASTRALUX LARGE M-DWARF MULTIPLICITY SAMPLE. <i>Astrophysical Journal, Supplement Series</i> , 2014 , 214, 17	8	29
60	A MULTIPLICITY CENSUS OF INTERMEDIATE-MASS STARS IN SCORPIUS-CENTAURUS. <i>Astrophysical Journal</i> , 2013 , 773, 170	4.7	29

59	HIGH-RESOLUTION SUBMILLIMETER AND NEAR-INFRARED STUDIES OF THE TRANSITION DISK AROUND Sz 91. <i>Astrophysical Journal</i> , 2014 , 783, 90	4-7	28
58	SEARCHING FOR YOUNG JUPITER ANALOGS AROUND AP COL:L-BAND HIGH-CONTRAST IMAGING OF THE CLOSEST PRE-MAIN-SEQUENCE STAR. <i>Astrophysical Journal</i> , 2012 , 754, 127	4-7	28
57	SCEXAO/CHARIS Near-infrared Direct Imaging, Spectroscopy, and Forward-Modeling of ϵ And b: A Likely Young, Low-gravity Superjovian Companion. <i>Astronomical Journal</i> , 2018 , 156, 291	4-9	26
56	SURFACE GEOMETRY OF PROTOPLANETARY DISKS INFERRED FROM NEAR-INFRARED IMAGING POLARIMETRY. <i>Astrophysical Journal</i> , 2014 , 795, 71	4-7	25
55	NACO-SDI Direct Imaging Search for the Exoplanet γ Eri b. <i>Astronomical Journal</i> , 2007 , 133, 2442-2456	4-9	25
54	Improving dynamical mass constraints for intermediate-period substellar companions using Gaia DR2. <i>Astronomy and Astrophysics</i> , 2018 , 615, A149	5-1	25
53	SPIRAL STRUCTURE AND DIFFERENTIAL DUST SIZE DISTRIBUTION IN THE LkH330 DISK. <i>Astronomical Journal</i> , 2016 , 152, 222	4-9	24
52	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	4-3	23
51	A Search for Variability in Exoplanet Analogues and Low-Gravity Brown Dwarfs. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018 ,	4-3	23
50	Binaries among low-mass stars in nearby young moving groups. <i>Astronomy and Astrophysics</i> , 2017 , 599, A70	5-1	22
49	High-Contrast Imaging of Intermediate-Mass Giants with Long-Term Radial Velocity Trends. <i>Astrophysical Journal</i> , 2016 , 825,	4-7	22
48	Subaru/SCEXAO First-light Direct Imaging of a Young Debris Disk around HD 36546. <i>Astrophysical Journal Letters</i> , 2017 , 836, L15	7-9	21
47	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	4-9	20
46	Spitzer Variability Properties of Low-gravity L Dwarfs. <i>Astronomical Journal</i> , 2020 , 160, 38	4-9	19
45	Conceptual design of the Coronagraphic High Angular Resolution Imaging Spectrograph (CHARIS) for the Subaru telescope 2012 ,		18
44	DETECTION OF SHARP SYMMETRIC FEATURES IN THE CIRCUMBINARY DISK AROUND AK Sco. <i>Astrophysical Journal Letters</i> , 2016 , 816, L1	7-9	17
43	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	7-9	15
42	Near-infrared imaging polarimetry of LkCa 15: A possible warped inner disk. <i>Publication of the Astronomical Society of Japan</i> , 2016 , 68,	3-2	15

41	SCEXAO AND GPIYJHBAND PHOTOMETRY AND INTEGRAL FIELD SPECTROSCOPY OF THE YOUNG BROWN DWARF COMPANION TO HD 1160. <i>Astrophysical Journal</i> , 2017 , 834, 162	4.7	14
40	Multi-epoch Direct Imaging and Time-variable Scattered Light Morphology of the HD 163296 Protoplanetary Disk. <i>Astrophysical Journal</i> , 2019 , 875, 38	4.7	13
39	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	5.1	12
38	NEAR-IR HIGH-RESOLUTION IMAGING POLARIMETRY OF THE SU Aur DISK: CLUES FOR TIDAL TAILS?. <i>Astrophysical Journal Letters</i> , 2015 , 806, L10	7.9	12
37	Detection of new strongly variable brown dwarfs in the L/T transition. <i>Astronomy and Astrophysics</i> , 2019 , 629, A145	5.1	12
36	The B-Star Exoplanet Abundance Study: a co-moving 16 \pm 5 MJup companion to the young binary system HIP 79098. <i>Astronomy and Astrophysics</i> , 2019 , 626, A99	5.1	12
35	NEAR-INFRARED IMAGING POLARIMETRY OF INNER REGION OF GG TAU A DISK. <i>Astronomical Journal</i> , 2017 , 153, 7	4.9	10
34	A NEW SUB-STELLAR COMPANION AROUND THE YOUNG STAR HD 284149. <i>Astrophysical Journal Letters</i> , 2014 , 791, L40	7.9	9
33	The discrepancy between dynamical and theoretical mass in the triplet-system 2MASS J10364483+1521394. <i>Astronomy and Astrophysics</i> , 2017 , 604, A82	5.1	9
32	Strong H α emission and signs of accretion in a circumbinary planetary mass companion from MUSE. <i>Astronomy and Astrophysics</i> , 2020 , 638, L6	5.1	9
31	A RESOLVED NEAR-INFRARED IMAGE OF THE INNER CAVITY IN THE GM Aur TRANSITIONAL DISK. <i>Astrophysical Journal Letters</i> , 2016 , 831, L7	7.9	8
30	Dust production in the debris disk around HR 4796 A. <i>Astronomy and Astrophysics</i> , 2019 , 630, A142	5.1	8
29	WEIRD: Wide-orbit Exoplanet Search with InfraRed Direct Imaging. <i>Astronomical Journal</i> , 2018 , 156, 137	4.9	8
28	M-dwarf binaries as tracers of star and brown dwarf formation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015 , 452, 1014-1025	4.3	7
27	Near-infrared polarimetry of the GG Tauri A binary system. <i>Research in Astronomy and Astrophysics</i> , 2014 , 14, 1438-1446	1.5	7
26	High-contrast Polarimetry Observation of the T Tau Circumstellar Environment. <i>Astrophysical Journal</i> , 2018 , 861, 133	4.7	7
25	The Surprisingly Low Carbon Mass in the Debris Disk around HD 32297. <i>Astrophysical Journal</i> , 2020 , 892, 99	4.7	6
24	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	4.7	5

23	Construction and status of the CHARIS high contrast imaging spectrograph 2014 ,		5
22	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	4.3	5
21	NEAR-IR POLARIZED SCATTERED LIGHT IMAGERY OF THE DoAr 28 TRANSITIONAL DISK. <i>Astronomical Journal</i> , 2015 , 150, 86	4.9	5
20	SEEDS DIRECT IMAGING OF THE RV-DETECTED COMPANION TO V450 ANDROMEDAE, AND CHARACTERIZATION OF THE SYSTEM. <i>Astrophysical Journal</i> , 2016 , 832, 33	4.7	5
19	A Radial velocity survey of spatially resolved young, low-mass binaries. <i>Astronomy and Astrophysics</i> , 2018 , 618, A5	5.1	5
18	Atmospheric Characterization and Further Orbital Modeling of ϵ Andromeda b. <i>Astronomical Journal</i> , 2020 , 159, 40	4.9	4
17	Tidal disruption versus planetesimal collisions as possible origins for the dispersing dust cloud around Fomalhaut. <i>Astronomy and Astrophysics</i> , 2020 , 640, A93	5.1	4
16	BEAST begins: sample characteristics and survey performance of the B-star Exoplanet Abundance Study. <i>Astronomy and Astrophysics</i> , 2021 , 646, A164	5.1	4
15	A substellar companion to Pleiades ϵ 441. <i>Publication of the Astronomical Society of Japan</i> , 2016 , 68, 92	3.2	3
14	Dynamical masses of M-dwarf binaries in young moving groups. <i>Astronomy and Astrophysics</i> , 2018 , 620, A33	5.1	3
13	A wide-orbit giant planet in the high-mass β Centauri binary system. <i>Nature</i> , 2021 , 600, 231-234	50.4	3
12	Radial decoupling of small and large dust grains in the transitional disk RX J1615.3-3255. <i>Astronomy and Astrophysics</i> , 2017 , 597, A132	5.1	2
11	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	4.7	2
10	Subaru Near-infrared Imaging Polarimetry of Misaligned Disks around the SR 24 Hierarchical Triple System. <i>Astronomical Journal</i> , 2020 , 159, 12	4.9	2
9	Constraints on the nearby exoplanet ϵ Indi Ab from deep near- and mid-infrared imaging limits. <i>Astronomy and Astrophysics</i> , 2021 , 651, A89	5.1	2
8	Spectral characterization of newly detected young substellar binaries with SINFONI. <i>Astronomy and Astrophysics</i> , 2019 , 627, A167	5.1	1
7	Investigating three Sirius-like systems with SPHERE. <i>Astronomy and Astrophysics</i> , 2021 , 646, A61	5.1	1
6	Orbital Characterization of GJ1108A System, and Comparison of Dynamical Mass with Model-derived Mass for Resolved Binaries. <i>Astrophysical Journal</i> , 2018 , 865, 152	4.7	1

5	Dynamical masses for two M1 + mid-M dwarf binaries monitored during the SPHERE-SHINE survey. <i>Astronomy and Astrophysics</i> , 2022 , 658, A145	5.1	o
4	Characterising young visual M-dwarf binaries with near-infrared integral field spectra. <i>Astronomy and Astrophysics</i> , 2020 , 642, A57	5.1	o
3	SCEXAO/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	4.9	o
2	The far reaches of the ρ Pictoris debris disk. <i>Astronomy and Astrophysics</i> , 2021 , 646, A132	5.1	o
1	Occulter to earth: prospects for studying earth-like planets with the E-ELT and a space-based occulter. <i>Experimental Astronomy</i> , 1	1.3	