

# Alycia J Weinberger

## List of Publications by Year in descending order

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103  
papers

4,203  
citations

101543

36  
h-index

138484

58  
g-index

104  
all docs

104  
docs citations

104  
times ranked

2901  
citing authors

#	ARTICLE	IF	CITATIONS
1	Detection of Near-infrared Water Ice at the Surface of the (Pre)Transitional Disk of AB Aur: Informing Icy Grain Abundance, Composition, and Size. <i>Astronomical Journal</i> , 2022, 163, 145.	4.7	9
2	Stumbling over Planetary Building Blocks: AU Microscopii as an Example of the Challenge of Retrieving Debris-disk Dust Properties. <i>Astrophysical Journal</i> , 2022, 930, 123.	4.5	6
3	ALMA Images the Eccentric HD 53143 Debris Disk. <i>Astrophysical Journal Letters</i> , 2022, 933, L1.	8.3	9
4	Improved Orbital Constraints and H $\alpha$ Photometric Monitoring of the Directly Imaged Protoplanet Analog HD 142527 B. <i>Astronomical Journal</i> , 2022, 164, 29.	4.7	12
5	Optical Constants of a Solar System Organic Analog and the Allende Meteorite in the Near- and Mid-infrared (1.5–13 $\mu$ m). <i>Planetary Science Journal</i> , 2021, 2, 73.	3.6	0
6	Discovery of an Extremely Short Duration Flare from Proxima Centauri Using Millimeter through Far-ultraviolet Observations. <i>Astrophysical Journal Letters</i> , 2021, 911, L25.	8.3	40
7	Discovery of Beryllium in White Dwarfs Polluted by Planetary Accretion. <i>Astrophysical Journal</i> , 2021, 914, 61.	4.5	25
8	A Deep Polarimetric Study of the Asymmetrical Debris Disk HD 106906. <i>Astrophysical Journal</i> , 2021, 915, 58.	4.5	12
9	Recurring Planetary Debris Transits and Circumstellar Gas around White Dwarf ZTF J0328+1219. <i>Astrophysical Journal</i> , 2021, 917, 41.	4.5	24
10	A Radiatively Driven Wind from the $\beta$ -Tel Debris Disk. <i>Astronomical Journal</i> , 2021, 162, 235.	4.7	4
11	Final Targeting Strategy for the SDSS-IV APOGEE-2S Survey. <i>Astronomical Journal</i> , 2021, 162, 303.	4.7	46
12	Highly Structured Inner Planetary System Debris around the Intermediate Age Sun-like Star TYC 8830 410 1. <i>Astrophysical Journal</i> , 2021, 923, 90.	4.5	9
13	On the Small Contribution of Supermicron Dust Particles to Light Scattering by Comets. <i>Astrophysical Journal</i> , 2020, 895, 110.	4.5	20
14	The HOSTS Survey for Exozodiacal Dust: Observational Results from the Complete Survey. <i>Astronomical Journal</i> , 2020, 159, 177.	4.7	57
15	The Surprisingly Low Carbon Mass in the Debris Disk around HD 32297. <i>Astrophysical Journal</i> , 2020, 892, 99.	4.5	18
16	ACRONYM IV: Three New, Young, Low-mass Spectroscopic Binaries. <i>Astrophysical Journal</i> , 2020, 896, 153.	4.5	1
17	Multiband GPI Imaging of the HR 4796A Debris Disk. <i>Astrophysical Journal</i> , 2020, 898, 55.	4.5	29
18	Serendipitous Discovery of Nine White Dwarfs with Gaseous Debris Disks. <i>Astrophysical Journal</i> , 2020, 905, 56.	4.5	21

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19	ACRONYM. III. Radial Velocities for 336 Candidate Young Low-mass Stars in the Solar Neighborhood, Including 77 Newly Confirmed Young Moving Group Members. <i>Astronomical Journal</i> , 2019, 157, 234.	4.7	42
20	Multiple Rings of Millimeter Dust Emission in the HD 15115 Debris Disk. <i>Astrophysical Journal Letters</i> , 2019, 877, L32.	8.3	29
21	Studying the Evolution of Warm Dust Encircling BD +20 307 Using SOFIA. <i>Astrophysical Journal</i> , 2019, 875, 45.	4.5	7
22	What makes a planet habitable?. <i>Science</i> , 2019, 364, 434-435.	12.6	18
23	The Effect of Dust Composition and Shape on Radiation-pressure Forces and Blowout Sizes of Particles in Debris Disks. <i>Astronomical Journal</i> , 2019, 157, 157.	4.7	33
24	Detection of a Millimeter Flare from Proxima Centauri. <i>Astrophysical Journal Letters</i> , 2018, 855, L2.	8.3	62
25	On the interpolation of light-scattering responses from irregularly shaped particles. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2018, 211, 123-128.	2.3	25
26	The HOSTS Survey's Exozodiacal Dust Measurements for 30 Stars. <i>Astronomical Journal</i> , 2018, 155, 194.	4.7	78
27	ALMA Detection of Extended Millimeter Halos in the HD 32297 and HD 61005 Debris Disks. <i>Astrophysical Journal</i> , 2018, 869, 75.	4.5	38
28	Dynamical Masses of $\mu$ Indi B and C: Two Massive Brown Dwarfs at the Edge of the Stellar "substellar Boundary. <i>Astrophysical Journal</i> , 2018, 865, 28.	4.5	45
29	Interpolating light-scattering properties of irregularly shaped, absorbing particles. <i>Optics Letters</i> , 2018, 43, 4308.	3.3	4
30	Optical Coronagraphic Spectroscopy of AU Mic: Evidence of Time Variable Colors?. <i>Astronomical Journal</i> , 2018, 155, 62.	4.7	10
31	The hunt for Sirius Ab: comparison of algorithmic sky and PSF estimation performance in deep coronagraphic thermal-IR high contrast imaging. , 2018, , .		3
32	MagAO-X: project status and first laboratory results. , 2018, , .		33
33	The HOSTS survey for exo-zodiacal dust: preliminary results and future prospects. , 2018, , .		6
34	BANYAN. IX. The Initial Mass Function and Planetary-mass Object Space Density of the TW HYA Association. <i>Astrophysical Journal, Supplement Series</i> , 2017, 228, 18.	7.7	85
35	Chasing Shadows: Rotation of the Azimuthal Asymmetry in the TW Hya Disk*. <i>Astrophysical Journal</i> , 2017, 835, 205.	4.5	99
36	Astrometric Constraints on the Masses of Long-period Gas Giant Planets in the TRAPPIST-1 Planetary System. <i>Astronomical Journal</i> , 2017, 154, 103.	4.7	31

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37	New Parallaxes for the Upper Scorpius OB Association. <i>Astrophysical Journal</i> , 2017, 850, 11.	4.5	11
38	Umov effect in single-scattering dust particles: effect of irregular shape. <i>Optics Letters</i> , 2017, 42, 1962.	3.3	12
39	DISCOVERY OF AN INNER DISK COMPONENT AROUND HD 141569 A*. <i>Astrophysical Journal Letters</i> , 2016, 818, L23.	8.3	31
40	SEARCHING FOR SPECTROSCOPIC BINARIES WITHIN TRANSITION DISK OBJECTS*. <i>Astrophysical Journal</i> , 2016, 820, 2.	4.5	18
41	NEW PARALLAXES AND A CONVERGENCE ANALYSIS FOR THE TW Hya ASSOCIATION. <i>Astrophysical Journal</i> , 2016, 833, 95.	4.5	37
42	Imaging protoplanets: observing transition disks with non-redundant masking. <i>Proceedings of SPIE</i> , 2016, , .	0.8	10
43	Making high-accuracy null depth measurements for the LBTI exozodi survey. <i>Proceedings of SPIE</i> , 2016, , .	0.8	10
44	MagAO IMAGING OF LONG-PERIOD OBJECTS (MILO). I. A BENCHMARK M DWARF COMPANION EXCITING A MASSIVE PLANET AROUND THE SUN-LIKE STAR HD 7449*. <i>Astrophysical Journal</i> , 2016, 818, 106.	4.5	40
45	POPULATION PROPERTIES OF BROWN DWARF ANALOGS TO EXOPLANETS*. <i>Astrophysical Journal</i> , Supplement Series, 2016, 225, 10.	7.7	213
46	MagAO IMAGING OF LONG-PERIOD OBJECTS (MILO). II. A PUZZLING WHITE DWARF AROUND THE SUN-LIKE STAR HD 11112. <i>Astrophysical Journal</i> , 2016, 831, 177.	4.5	5
47	NULLING DATA REDUCTION AND ON-SKY PERFORMANCE OF THE LARGE BINOCULAR TELESCOPE INTERFEROMETER. <i>Astrophysical Journal</i> , 2016, 824, 66.	4.5	70
48	TRIGONOMETRIC PARALLAXES AND PROPER MOTIONS OF 134 SOUTHERN LATE M, L, AND T DWARFS FROM THE CARNEGIE ASTROMETRIC PLANET SEARCH PROGRAM. <i>Astronomical Journal</i> , 2016, 152, 24.	4.7	63
49	Detectability of planetesimal impacts on giant exoplanets. <i>Icarus</i> , 2016, 264, 1-8.	2.5	22
50	The path to visible extreme adaptive optics with MagAO-2K and MagAO-X. , 2016, , .		9
51	A New, Young, Low-Mass Spectroscopic Binary Without a Home. <i>Proceedings of the International Astronomical Union</i> , 2015, 10, 65-66.	0.0	0
52	DIRECT EXOPLANET DETECTION WITH BINARY DIFFERENTIAL IMAGING. <i>Astrophysical Journal</i> , 2015, 811, 157.	4.5	33
53	MAGELLAN ADAPTIVE OPTICS FIRST-LIGHT OBSERVATIONS OF THE EXOPLANET $\mu$ PIC b. II. $5\sigma$ DIRECT IMAGING WITH MagAO+ClO, AND THE EMPIRICAL BOLOMETRIC LUMINOSITY OF A SELF-LUMINOUS GIANT PLANET. <i>Astrophysical Journal</i> , 2015, 815, 108.	4.5	104
54	EXO-ZODI MODELING FOR THE LARGE BINOCULAR TELESCOPE INTERFEROMETER. <i>Astrophysical Journal</i> , Supplement Series, 2015, 216, 23.	7.7	27

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55	ON THE MORPHOLOGY AND CHEMICAL COMPOSITION OF THE HR 4796A DEBRIS DISK. <i>Astrophysical Journal</i> , 2015, 798, 96.	4.5	45
56	TARGET SELECTION FOR THE LBTI EXOZODI KEY SCIENCE PROGRAM. <i>Astrophysical Journal, Supplement Series</i> , 2015, 216, 24.	7.7	23
57	A NEW MERGING DOUBLE DEGENERATE BINARY IN THE SOLAR NEIGHBORHOOD. <i>Astronomical Journal</i> , 2015, 149, 176.	4.7	17
58	PLANETS AROUND LOW-MASS STARS (PALMS). V. AGE-DATING LOW-MASS COMPANIONS TO MEMBERS AND INTERLOPERS OF YOUNG MOVING GROUPS. <i>Astrophysical Journal</i> , 2015, 806, 62.	4.5	27
59	NEW SPATIALLY RESOLVED OBSERVATIONS OF THE T Cha TRANSITION DISK AND CONSTRAINTS ON THE PREVIOUSLY CLAIMED SUBSTELLAR COMPANION. <i>Astrophysical Journal</i> , 2015, 801, 85.	4.5	21
60	PROBING FOR EXOPLANETS HIDING IN DUSTY DEBRIS DISKS: DISK IMAGING, CHARACTERIZATION, AND EXPLORATION WITH <i>HST</i> /STIS MULTI-ROLL CORONAGRAPHY. <i>Astronomical Journal</i> , 2014, 148, 59.	4.7	169
61	VOLATILE-RICH CIRCUMSTELLAR GAS IN THE UNUSUAL 49 CETI DEBRIS DISK. <i>Astrophysical Journal Letters</i> , 2014, 796, L11.	8.3	36
62	Direct imaging of exoplanets in the habitable zone with adaptive optics. <i>Proceedings of SPIE</i> , 2014, , .	0.8	9
63	MagAO: Status and on-sky performance of the Magellan adaptive optics system. <i>Proceedings of SPIE</i> , 2014, , .	0.8	30
64	REVEALING ASYMMETRIES IN THE HD 181327 DEBRIS DISK: A RECENT MASSIVE COLLISION OR INTERSTELLAR MEDIUM WARPING. <i>Astrophysical Journal</i> , 2014, 789, 58.	4.5	81
65	HD 106906 b: A PLANETARY-MASS COMPANION OUTSIDE A MASSIVE DEBRIS DISK. <i>Astrophysical Journal Letters</i> , 2014, 780, L4.	8.3	143
66	POLARIZED LIGHT IMAGING OF THE HD 142527 TRANSITION DISK WITH THE GEMINI PLANET IMAGER: DUST AROUND THE CLOSE-IN COMPANION. <i>Astrophysical Journal Letters</i> , 2014, 791, L37.	8.3	58
67	AN ENIGMATIC POINT-LIKE FEATURE WITHIN THE HD 169142 TRANSITIONAL DISK,. <i>Astrophysical Journal Letters</i> , 2014, 792, L22.	8.3	119
68	THE 0.5-2.22 $\mu$ m SCATTERED LIGHT SPECTRUM OF THE DISK AROUND TW Hya: DETECTION OF A PARTIALLY FILLED DISK GAP AT 80 AU. <i>Astrophysical Journal</i> , 2013, 771, 45.	4.5	112
69	DISTANCE AND KINEMATICS OF THE TW HYDRAE ASSOCIATION FROM PARALLAXES. <i>Astrophysical Journal</i> , 2013, 762, 118.	4.5	93
70	Astrometry in the Service of Planet Formation Studies: Disk Lifetimes in Nearby Star Forming Regions and a Planet Candidate around a Mature Brown Dwarf. <i>Proceedings of the International Astronomical Union</i> , 2013, 8, 230-231.	0.0	0
71	A SEARCH FOR EXOZODIACAL CLOUDS WITH <i>KEPLER</i> . <i>Astrophysical Journal</i> , 2013, 764, 195.	4.5	26
72	Habitable Worlds Around M Dwarf Stars: The CAPSCam Astrometric Planet Search. <i>Proceedings of the International Astronomical Union</i> , 2012, 8, 183-188.	0.0	1

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73	ASTROMETRY AND RADIAL VELOCITIES OF THE PLANET HOST M DWARF GJ 317: NEW TRIGONOMETRIC DISTANCE, METALLICITY, AND UPPER LIMIT TO THE MASS OF GJ 317b. <i>Astrophysical Journal</i> , 2012, 746, 37.	4.5	68
74	IDENTIFYING THE YOUNG LOW-MASS STARS WITHIN 25 pc. II. DISTANCES, KINEMATICS, AND GROUP MEMBERSHIP. <i>Astrophysical Journal</i> , 2012, 758, 56.	4.5	143
75	The Exozodiacal Dust Problem for Direct Observations of Exo-Earths. <i>Publications of the Astronomical Society of the Pacific</i> , 2012, 124, 799-808.	3.1	81
76	TIGER: a high contrast infrared imager for the Giant Magellan Telescope. <i>Proceedings of SPIE</i> , 2012, , .	0.8	11
77	THIRD COMPONENT SEARCH AND ABUNDANCES OF THE VERY DUSTY SHORT-PERIOD BINARY BD +20°307. <i>Astrophysical Journal</i> , 2012, 749, 7.	4.5	4
78	SEARCHING FOR YOUNG M DWARFS WITH <i>GALEX</i> . <i>Astrophysical Journal</i> , 2011, 727, 6.	4.5	116
79	A MAGELLAN MIKE AND <i>SPITZER</i> MIPS STUDY OF 1.5-1.0 $M_{\odot}$ STARS IN SCORPIUS-CENTAURUS. <i>Astrophysical Journal</i> , 2011, 738, 122.	4.5	114
80	HD 101088, AN ACCRETING 14 AU BINARY IN LOWER CENTAURUS CRUX WITH VERY LITTLE CIRCUMSTELLAR DUST. <i>Astrophysical Journal</i> , 2010, 714, 1542-1546.	4.5	10
81	STRONG CONSTRAINTS TO THE PUTATIVE PLANET CANDIDATE AROUND VB 10 USING DOPPLER SPECTROSCOPY. <i>Astrophysical Journal Letters</i> , 2010, 711, L24-L29.	8.3	37
82	INTERSTELLAR MEDIUM SCULPTING OF THE HD 32297 DEBRIS DISK. <i>Astrophysical Journal</i> , 2009, 702, 318-326.	4.5	88
83	The Carnegie Astrometric Planet Search Program. <i>Publications of the Astronomical Society of the Pacific</i> , 2009, 121, 1218-1231.	3.1	60
84	A SURVEY FOR A COEVAL, COMOVING GROUP ASSOCIATED WITH HD 141569. <i>Astronomical Journal</i> , 2008, 136, 2483-2492.	4.7	13
85	Debris Disks around Nearby Stars with Circumstellar Gas. <i>Astrophysical Journal</i> , 2008, 676, 509-517.	4.5	27
86	Complex Organic Materials in the Circumstellar Disk of HR 4796A. <i>Astrophysical Journal</i> , 2008, 673, L191-L194.	4.5	78
87	Gas and Dust Associated with the Strange, Isolated Star BP Piscium. <i>Astrophysical Journal</i> , 2008, 683, 1085-1103.	4.5	21
88	Color Gradients Detected in the HD 15115 Circumstellar Disk. <i>Astrophysical Journal</i> , 2008, 684, L41-L44.	4.5	26
89	First Evidence of a Precessing Jet Excavating a Protostellar Envelope. <i>Astrophysical Journal</i> , 2006, 647, L159-L162.	4.5	22
90	Coronagraphic Exploration Camera (CoRECam). , 2006, , .		0

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91	Stabilization of the disk around $\hat{2}\hat{\epsilon}\%Pictoris$ by extremely carbon-rich gas. <i>Nature</i> , 2006, 441, 724-726.	27.8	132
92	Extrasolar Planetary Imaging Coronagraph (EPIC). , 2006, 6265, 406.		4
93	An Infrared Coronagraphic Survey for Substellar Companions. <i>Astronomical Journal</i> , 2005, 130, 1845-1861.	4.7	90
94	Rapid Dissipation of Primordial Gas from the AU Microscopii Debris Disk. <i>Astrophysical Journal</i> , 2005, 626, L105-L108.	4.5	41
95	Spatially Resolved Spectroscopy and Coronagraphic Imaging of the TW Hydrae Circumstellar Disk. <i>Astrophysical Journal</i> , 2005, 622, 1171-1181.	4.5	39
96	Extreme collisions between planetesimals as the origin of warm dust around a Sun-like star. <i>Nature</i> , 2005, 436, 363-365.	27.8	127
97	Planetary science: Construction-site inspection. <i>Nature</i> , 2005, 433, 114-115.	27.8	8
98	A Comparative Anatomy of Dusty Disks Imaged by NICMOS. <i>Symposium - International Astronomical Union</i> , 2004, 202, 308-315.	0.1	0
99	Spatially Resolved Spectrum of the TW Hydrae Circumstellar Disk. <i>AIP Conference Proceedings</i> , 2004, , .	0.4	0
100	Observations of Dusty Disks. <i>AIP Conference Proceedings</i> , 2004, , .	0.4	0
101	Imaging forming planetary systems: the HST/STIS legacy and prospects for future missions. , 2003, , .		2
102	PLANETARY DISKS: A Dusty Business. <i>Science</i> , 2002, 295, 2027-2028.	12.6	7
103	A Candidate Substellar Companion to HR 7329. <i>Astrophysical Journal</i> , 2000, 541, 390-395.	4.5	113