

# Andrew J Skemer

## List of Publications by Year in descending order

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66  
papers

2,543  
citations

218677

26  
h-index

233421

45  
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66  
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docs citations

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times ranked

2020  
citing authors

#	ARTICLE	IF	CITATIONS
1	197 CANDIDATES AND 104 VALIDATED PLANETS IN K2's FIRST FIVE FIELDS. <i>Astrophysical Journal, Supplement Series</i> , 2016, 226, 7.	7.7	177
2	THE GEMINI/NICI PLANET-FINDING CAMPAIGN: THE FREQUENCY OF PLANETS AROUND YOUNG MOVING GROUP STARS. <i>Astrophysical Journal</i> , 2013, 777, 160.	4.5	176
3	FIRST LIGHT LBT AO IMAGES OF HR 8799 bcde AT 1.6 AND 3.3 $\hat{1}$ / <sub>4</sub> m: NEW DISCREPANCIES BETWEEN YOUNG PLANETS AND OLD BROWN DWARFS. <i>Astrophysical Journal</i> , 2012, 753, 14.	4.5	152
4	THE GEMINI NICI PLANET-FINDING CAMPAIGN: THE FREQUENCY OF GIANT PLANETS AROUND YOUNG B AND A STARS. <i>Astrophysical Journal</i> , 2013, 776, 4.	4.5	138
5	VIP: Vortex Image Processing Package for High-contrast Direct Imaging. <i>Astronomical Journal</i> , 2017, 154, 7.	4.7	129
6	THE GEMINI NICI PLANET-FINDING CAMPAIGN: DISCOVERY OF A CLOSE SUBSTELLAR COMPANION TO THE YOUNG DEBRIS DISK STAR PZ Tel. <i>Astrophysical Journal Letters</i> , 2010, 720, L82-L87.	8.3	112
7	DIRECTLY IMAGED L-T TRANSITION EXOPLANETS IN THE MID-INFRARED<sup></sup>. <i>Astrophysical Journal</i> , 2014, 792, 17.	4.5	112
8	THE GEMINI PLANET-FINDING CAMPAIGN: THE FREQUENCY OF GIANT PLANETS AROUND DEBRIS DISK STARS. <i>Astrophysical Journal</i> , 2013, 773, 179.	4.5	97
9	MAGELLAN ADAPTIVE OPTICS FIRST-LIGHT OBSERVATIONS OF THE EXOPLANET $\hat{1}$ <sup>2</sup> PIC b. I. DIRECT IMAGING IN THE FAR-RED OPTICAL WITH MagAO+VisAO AND IN THE NEAR-IR WITH NICI<sup></sup>. <i>Astrophysical Journal</i> , 2014, 786, 32.	4.5	88
10	EVIDENCE AGAINST AN EDGE-ON DISK AROUND THE EXTRASOLAR PLANET, 2MASS 1207 b AND A NEW THICK-CLOUD EXPLANATION FOR ITS UNDERLUMINOSITY<sup></sup><sup></sup>. <i>Astrophysical Journal</i> , 2011, 732, 107.	4.5	82
11	HIGH-CADENCE, HIGH-CONTRAST IMAGING FOR EXOPLANET MAPPING: OBSERVATIONS OF THE HR 8799 PLANETS WITH VLT/SPHERE SATELLITE-SPOT-CORRECTED RELATIVE PHOTOMETRY. <i>Astrophysical Journal</i> , 2016, 820, 40.	4.5	72
12	THE GEMINI NICI PLANET-FINDING CAMPAIGN: DISCOVERY OF A MULTIPLE SYSTEM ORBITING THE YOUNG A STAR HD 1160. <i>Astrophysical Journal</i> , 2012, 750, 53.	4.5	70
13	THE LEECH EXOPLANET IMAGING SURVEY: CHARACTERIZATION OF THE COLDEST DIRECTLY IMAGED EXOPLANET, GJ 504 b, AND EVIDENCE FOR SUPERSTELLAR METALLICITY*. <i>Astrophysical Journal</i> , 2016, 817, 166.	4.5	68
14	ADAPTIVE OPTICS IMAGING OF VHS $\hat{1}$ 256 $\hat{a}$ $\hat{e}$ "1257: A LOW MASS COMPANION TO A BROWN DWARF BINARY SYSTEM. <i>Astrophysical Journal Letters</i> , 2016, 818, L12.	8.3	61
15	THE GEMINI NICI PLANET-FINDING CAMPAIGN: THE ORBIT OF THE YOUNG EXOPLANET $\hat{1}$ <sup>2</sup> PICTORIS b. <i>Astrophysical Journal</i> , 2014, 794, 158.	4.5	59
16	DOES THE DEBRIS DISK AROUND HD 32297 CONTAIN COMETARY GRAINS?., <i>Astrophysical Journal</i> , 2014, 783, 21.	4.5	57
17	TWO SMALL TEMPERATE PLANETS TRANSITING NEARBY M DWARFS IN K2 CAMPAIGNS 0 AND 1* $\hat{a}$ $\hat{e}$ $\hat{j}$ . <i>Astrophysical Journal</i> , 2016, 818, 87.	4.5	47
18	THE FIRST SPECTRUM OF THE COLDEST BROWN DWARF. <i>Astrophysical Journal Letters</i> , 2016, 826, L17.	8.3	46

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19	THE GRAY NEEDLE: LARGE GRAINS IN THE HD 15115 DEBRIS DISK FROM LBT/PISCES AND LBTI/LMIRCam ADAPTIVE OPTICS IMAGING. <i>Astrophysical Journal</i> , 2012, 752, 57.	4.5	45
20	ON THE MORPHOLOGY AND CHEMICAL COMPOSITION OF THE HR 4796A DEBRIS DISK. <i>Astrophysical Journal</i> , 2015, 798, 96.	4.5	45
21	SEARCHING FOR COOL DUST IN THE MID-TO-FAR INFRARED: THE MASS-LOSS HISTORIES OF THE HYPERGIANTS $\hat{1}/4$ Cep, VY CMa, IRC+10420, AND $\hat{1}/4$ Cas*. <i>Astronomical Journal</i> , 2016, 151, 51.	4.7	45
22	The LEECH Exoplanet Imaging Survey: Limits on Planet Occurrence Rates under Conservative Assumptions. <i>Astronomical Journal</i> , 2018, 156, 286.	4.7	44
23	THE LEECH EXOPLANET IMAGING SURVEY: ORBIT AND COMPONENT MASSES OF THE INTERMEDIATE-AGE, LATE-TYPE BINARY NO UMa* $\hat{1}/4$ . <i>Astrophysical Journal</i> , 2016, 818, 1.	4.5	41
24	An L Band Spectrum of the Coldest Brown Dwarf. <i>Astrophysical Journal</i> , 2018, 858, 97.	4.5	39
25	SIRIUS B IMAGED IN THE MID-INFRARED: NO EVIDENCE FOR A REMNANT PLANETARY SYSTEM. <i>Astrophysical Journal</i> , 2011, 730, 53.	4.5	36
26	INDICATIONS OF WATER CLOUDS IN THE COLDEST KNOWN BROWN DWARF. <i>Astrophysical Journal Letters</i> , 2014, 793, L16.	8.3	33
27	DIRECT IMAGING IN THE HABITABLE ZONE AND THE PROBLEM OF ORBITAL MOTION. <i>Astrophysical Journal</i> , 2013, 771, 10.	4.5	31
28	A THERMAL INFRARED IMAGING STUDY OF VERY LOW MASS, WIDE-SEPARATION BROWN DWARF COMPANIONS TO UPPER SCORPIUS STARS: CONSTRAINING CIRCUMSTELLAR ENVIRONMENTS. <i>Astrophysical Journal</i> , 2013, 767, 31.	4.5	31
29	Evidence for Misaligned Disks in the T Tauri Triple System: $10 \hat{1}/4$ m Superresolution with MMTAO and Markov Chains <sup>1</sup> . <i>Astrophysical Journal</i> , 2008, 676, 1082-1087.	4.5	30
30	EXO-ZODI MODELING FOR THE LARGE BINOCULAR TELESCOPE INTERFEROMETER. <i>Astrophysical Journal, Supplement Series</i> , 2015, 216, 23.	7.7	27
31	TARGET SELECTION FOR THE LBTI EXOZODI KEY SCIENCE PROGRAM. <i>Astrophysical Journal, Supplement Series</i> , 2015, 216, 24.	7.7	23
32	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
33	Methane in Analogs of Young Directly Imaged Exoplanets. <i>Astrophysical Journal</i> , 2018, 869, 18.	4.5	21
34	CHARACTERIZATION OF THE BENCHMARK BINARY NLTT 33370 <sup>&lt;sup&gt;&lt;/sup&gt;</sup> . <i>Astrophysical Journal</i> , 2014, 783, 27.	4.5	20
35	Large binocular telescope interferometer adaptive optics: on-sky performance and lessons learned. <i>Proceedings of SPIE</i> , 2014, , .	0.8	20
36	ADAPTIVE OPTICS IMAGING OF VY CANIS MAJORIS AT 2-5 $\hat{1}/4$ m WITH LBT/LMIRCam. <i>Astronomical Journal</i> , 2013, 146, 90.	4.7	18

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37	First light with ALES: A 2-5 micron adaptive optics Integral Field Spectrograph for the LBT. Proceedings of SPIE, 2015, , .	0.8	17
38	Measuring the D/H Ratios of Exoplanets and Brown Dwarfs. Astrophysical Journal Letters, 2019, 882, L29.	8.3	17
39	Retrieving the C and O Abundances of HR 7672 AB: A Solar-type Primary Star with a Benchmark Brown Dwarf. Astronomical Journal, 2022, 163, 189.	4.7	17
40	MID-INFRARED HIGH-CONTRAST IMAGING OF HD 114174 B: AN APPARENT AGE DISCREPANCY IN A $\alpha$ -SIRIUS-LIKE BINARY SYSTEM. Astrophysical Journal Letters, 2014, 783, L25.	8.3	15
41	INFRARED STUDIES OF EPSILON AURIGAE IN ECLIPSE. Astronomical Journal, 2011, 142, 174.	4.7	14
42	ISM DUST GRAINS AND N-BAND SPECTRAL VARIABILITY IN THE SPATIALLY RESOLVED SUBARCSECOND BINARY UY Aur,, Astrophysical Journal, 2010, 711, 1280-1290.	4.5	13
43	A Direct Measurement of Atmospheric Dispersion in $N$ -band Spectra: Implications for Mid-IR Systems on ELTs. Publications of the Astronomical Society of the Pacific, 2009, 121, 897-904.	3.1	11
44	TIGER: a high contrast infrared imager for the Giant Magellan Telescope. Proceedings of SPIE, 2012, , .	0.8	11
45	High contrast imaging at the LBT: the LEECH exoplanet imaging survey. Proceedings of SPIE, 2014, , .	0.8	11
46	Operation and performance of the mid-infrared camera, NOMIC, on the Large Binocular Telescope. Proceedings of SPIE, 2014, , .	0.8	11
47	DUST GRAIN EVOLUTION IN SPATIALLY RESOLVED T TAURI BINARIES. Astrophysical Journal, 2011, 740, 43.	4.5	10
48	Imaging protoplanets: observing transition disks with non-redundant masking. Proceedings of SPIE, 2016, , .	0.8	10
49	ALES: overview and upgrades. , 2018, , .		7
50	High-contrast Thermal Infrared Spectroscopy with ALES: The $3\text{--}4\ \mu\text{m}$ Spectrum of $\hat{\nu}$ Andromedae b. Astronomical Journal, 2020, 160, 262.	4.7	7
51	FOUR DECADES OF IRC +10216: EVOLUTION OF A CARBON-RICH DUST SHELL RESOLVED AT $10\ \mu\text{m}$ WITH MMT ADAPTIVE OPTICS AND MIRAC4. Astrophysical Journal, 2012, 744, 133.	4.5	6
52	MEAD: data reduction pipeline for ALES integral field spectrograph and LBTI thermal infrared calibration unit. , 2018, , .		6
53	The HOSTS survey for exo-zodiacal dust: preliminary results and future prospects. , 2018, , .		6
54	On-sky operations with the ALES integral field spectrograph. , 2018, , .		6

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55	The planetary systems imager: 2-5 micron channel. , 2018, , .		5
56	Design of ALES: a broad wavelength integral field unit for LBTI/LMIRcam. , 2018, , .		5
57	Resolving Io's Volcanoes from a Mutual Event Observation at the Large Binocular Telescope. Planetary Science Journal, 2021, 2, 227.	3.6	5
58	High Spatial Resolution Thermal Infrared Spectroscopy with ALES: Resolved Spectra of the Benchmark Brown Dwarf Binary HD 130948BC. Astronomical Journal, 2019, 157, 244.	4.7	4
59	An Astrometric Companion to the Nearby Metal-Poor, Low-Mass Star LHS 1589. Astrophysical Journal, 2007, 668, 507-512.	4.5	4
60	High resolution spectroscopy of directly imaged exoplanets with KPIC. , 2021, , .		3
61	LEECH: A 100 Night Exoplanet Imaging Survey at the LBT. Proceedings of the International Astronomical Union, 2013, 8, 70-71.	0.0	2
62	Results from the Gemini NICI Planet-Finding Campaign. , 2014, , .		2
63	The Planetary Systems Imager adaptive optics system: an initial optical design and performance analysis tool for the PSI-Red AO system. , 2021, , .		2
64	Large Binocular Telescope Search for Companions and Substructures in the (Pre)transitional Disk of AB Aurigae. Astrophysical Journal, 2022, 926, 71.	4.5	2
65	The Large Binocular Telescope Interferometer & Adaptive Optics System: On-sky Performance and Results. Proceedings of the International Astronomical Union, 2013, 8, 26-27.	0.0	1
66	Precision Time-series Photometry in the Thermal Infrared with a "Wall-eyed" Pointing Mode at the Large Binocular Telescope. Publications of the Astronomical Society of the Pacific, 2018, 130, 014504.	3.1	0