

Andrew J Skemer

List of Publications by Year in descending order

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Version: 2024-02-01

66
papers

2,543
citations

218677

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h-index

233421

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all docs

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docs citations

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times ranked

2020
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Large Binocular Telescope Search for Companions and Substructures in the (Pre)transitional Disk of AB Aurigae. <i>Astrophysical Journal</i> , 2022, 926, 71. | 4.5 | 2 |
| 2 | Retrieving the C and O Abundances of HR 7672 AB: A Solar-type Primary Star with a Benchmark Brown Dwarf. <i>Astronomical Journal</i> , 2022, 163, 189. | 4.7 | 17 |
| 3 | High resolution spectroscopy of directly imaged exoplanets with KPIC. , 2021, , . | | 3 |
| 4 | The Planetary Systems Imager adaptive optics system: an initial optical design and performance analysis tool for the PSI-Red AO system. , 2021, , . | | 2 |
| 5 | Resolving Io's Volcanoes from a Mutual Event Observation at the Large Binocular Telescope. <i>Planetary Science Journal</i> , 2021, 2, 227. | 3.6 | 5 |
| 6 | High-contrast Thermal Infrared Spectroscopy with ALES: The 3-4 μ m Spectrum of β Andromedae b. <i>Astronomical Journal</i> , 2020, 160, 262. | 4.7 | 7 |
| 7 | Measuring the D/H Ratios of Exoplanets and Brown Dwarfs. <i>Astrophysical Journal Letters</i> , 2019, 882, L29. | 8.3 | 17 |
| 8 | High Spatial Resolution Thermal Infrared Spectroscopy with ALES: Resolved Spectra of the Benchmark Brown Dwarf Binary HD 130948BC. <i>Astronomical Journal</i> , 2019, 157, 244. | 4.7 | 4 |
| 9 | Precision Time-series Photometry in the Thermal Infrared with a "Wall-eyed" Pointing Mode at the Large Binocular Telescope. <i>Publications of the Astronomical Society of the Pacific</i> , 2018, 130, 014504. | 3.1 | 0 |
| 10 | An L Band Spectrum of the Coldest Brown Dwarf. <i>Astrophysical Journal</i> , 2018, 858, 97. | 4.5 | 39 |
| 11 | Methane in Analogs of Young Directly Imaged Exoplanets. <i>Astrophysical Journal</i> , 2018, 869, 18. | 4.5 | 21 |
| 12 | The LEECH Exoplanet Imaging Survey: Limits on Planet Occurrence Rates under Conservative Assumptions. <i>Astronomical Journal</i> , 2018, 156, 286. | 4.7 | 44 |
| 13 | MEAD: data reduction pipeline for ALES integral field spectrograph and LBTI thermal infrared calibration unit. , 2018, , . | | 6 |
| 14 | The HOSTS survey for exo-zodiacal dust: preliminary results and future prospects. , 2018, , . | | 6 |
| 15 | On-sky operations with the ALES integral field spectrograph. , 2018, , . | | 6 |
| 16 | ALES: overview and upgrades. , 2018, , . | | 7 |
| 17 | The planetary systems imager: 2-5 micron channel. , 2018, , . | | 5 |
| 18 | Design of ALES: a broad wavelength integral field unit for LBTI/LMIRcam. , 2018, , . | | 5 |

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|----|---|-----|-----------|
| 19 | VIP: Vortex Image Processing Package for High-contrast Direct Imaging. <i>Astronomical Journal</i> , 2017, 154, 7. | 4.7 | 129 |
| 20 | TWO SMALL TEMPERATE PLANETS TRANSITING NEARBY M DWARFS IN K2 CAMPAIGNS 0 AND 1*. <i>Astrophysical Journal</i> , 2016, 818, 87. | 4.5 | 47 |
| 21 | 197 CANDIDATES AND 104 VALIDATED PLANETS IN K2's FIRST FIVE FIELDS. <i>Astrophysical Journal, Supplement Series</i> , 2016, 226, 7. | 7.7 | 177 |
| 22 | SEARCHING FOR COOL DUST IN THE MID-TO-FAR INFRARED: THE MASS-LOSS HISTORIES OF THE HYPERGIANTS $\hat{\nu}_{1/4}$ Cep, VY CMa, IRC+10420, AND $\hat{\nu}_{1/4}$ Cas*. <i>Astronomical Journal</i> , 2016, 151, 51. | 4.7 | 45 |
| 23 | Imaging protoplanets: observing transition disks with non-redundant masking. <i>Proceedings of SPIE</i> , 2016, , . | 0.8 | 10 |
| 24 | THE FIRST SPECTRUM OF THE COLDEST BROWN DWARF. <i>Astrophysical Journal Letters</i> , 2016, 826, L17. | 8.3 | 46 |
| 25 | 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 |
| 26 | 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 |
| 27 | THE LEECH EXOPLANET IMAGING SURVEY: ORBIT AND COMPONENT MASSES OF THE INTERMEDIATE-AGE, LATE-TYPE BINARY NO UMa*. <i>Astrophysical Journal</i> , 2016, 818, 1. | 4.5 | 41 |
| 28 | ADAPTIVE OPTICS IMAGING OF VHS 1256-1257: A LOW MASS COMPANION TO A BROWN DWARF BINARY SYSTEM. <i>Astrophysical Journal Letters</i> , 2016, 818, L12. | 8.3 | 61 |
| 29 | EXO-ZODI MODELING FOR THE LARGE BINOCULAR TELESCOPE INTERFEROMETER. <i>Astrophysical Journal, Supplement Series</i> , 2015, 216, 23. | 7.7 | 27 |
| 30 | ON THE MORPHOLOGY AND CHEMICAL COMPOSITION OF THE HR 4796A DEBRIS DISK. <i>Astrophysical Journal</i> , 2015, 798, 96. | 4.5 | 45 |
| 31 | TARGET SELECTION FOR THE LBTI EXOZODI KEY SCIENCE PROGRAM. <i>Astrophysical Journal, Supplement Series</i> , 2015, 216, 24. | 7.7 | 23 |
| 32 | First light with ALES: A 2-5 micron adaptive optics Integral Field Spectrograph for the LBT. <i>Proceedings of SPIE</i> , 2015, , . | 0.8 | 17 |
| 33 | 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 |
| 34 | CHARACTERIZATION OF THE BENCHMARK BINARY NLTT 33370. <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 | High contrast imaging at the LBT: the LEECH exoplanet imaging survey. <i>Proceedings of SPIE</i> , 2014, , . | 0.8 | 11 |

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|----|---|-----|-----------|
| 37 | Results from the Gemini NICI Planet-Finding Campaign. , 2014, , . | | 2 |
| 38 | INDICATIONS OF WATER CLOUDS IN THE COLDEST KNOWN BROWN DWARF. Astrophysical Journal Letters, 2014, 793, L16. | 8.3 | 33 |
| 39 | MID-INFRARED HIGH-CONTRAST IMAGING OF HD 114174 B: AN APPARENT AGE DISCREPANCY IN A "SIRIUS-LIKE" BINARY SYSTEM. Astrophysical Journal Letters, 2014, 783, L25. | 8.3 | 15 |
| 40 | DOES THE DEBRIS DISK AROUND HD 32297 CONTAIN COMETARY GRAINS?., Astrophysical Journal, 2014, 783, 21. | 4.5 | 57 |
| 41 | MAGELLAN ADAPTIVE OPTICS FIRST-LIGHT OBSERVATIONS OF THE EXOPLANET $\hat{1}^2$ PIC b. I. DIRECT IMAGING IN THE FAR-RED OPTICAL WITH MagAO+VisAO AND IN THE NEAR-IR WITH NICI[,]. Astrophysical Journal, 2014, 786, 32. | 4.5 | 88 |
| 42 | THE GEMINI NICI PLANET-FINDING CAMPAIGN: THE ORBIT OF THE YOUNG EXOPLANET $\hat{1}^2$ PICTORIS b. Astrophysical Journal, 2014, 794, 158. | 4.5 | 59 |
| 43 | DIRECTLY IMAGED L-T TRANSITION EXOPLANETS IN THE MID-INFRARED[,]. Astrophysical Journal, 2014, 792, 17. | 4.5 | 112 |
| 44 | Operation and performance of the mid-infrared camera, NOMIC, on the Large Binocular Telescope. Proceedings of SPIE, 2014, , . | 0.8 | 11 |
| 45 | THE GEMINI NICI PLANET-FINDING CAMPAIGN: THE FREQUENCY OF GIANT PLANETS AROUND YOUNG B AND A STARS. Astrophysical Journal, 2013, 776, 4. | 4.5 | 138 |
| 46 | THE GEMINI/NICI PLANET-FINDING CAMPAIGN: THE FREQUENCY OF PLANETS AROUND YOUNG MOVING GROUP STARS. Astrophysical Journal, 2013, 777, 160. | 4.5 | 176 |
| 47 | DIRECT IMAGING IN THE HABITABLE ZONE AND THE PROBLEM OF ORBITAL MOTION. Astrophysical Journal, 2013, 771, 10. | 4.5 | 31 |
| 48 | A THERMAL INFRARED IMAGING STUDY OF VERY LOW MASS, WIDE-SEPARATION BROWN DWARF COMPANIONS TO UPPER SCORPIUS STARS: CONSTRAINING CIRCUMSTELLAR ENVIRONMENTS. Astrophysical Journal, 2013, 767, 31. | 4.5 | 31 |
| 49 | THE GEMINI PLANET-FINDING CAMPAIGN: THE FREQUENCY OF GIANT PLANETS AROUND DEBRIS DISK STARS. Astrophysical Journal, 2013, 773, 179. | 4.5 | 97 |
| 50 | ADAPTIVE OPTICS IMAGING OF VY CANIS MAJORIS AT 2-5 $\hat{1}^2$ m WITH LBT/LMIRCam. Astronomical Journal, 2013, 146, 90. | 4.7 | 18 |
| 51 | 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 |
| 52 | LEECH: A 100 Night Exoplanet Imaging Survey at the LBT. Proceedings of the International Astronomical Union, 2013, 8, 70-71. | 0.0 | 2 |
| 53 | FOUR DECADES OF IRC +10216: EVOLUTION OF A CARBON-RICH DUST SHELL RESOLVED AT 10 $\hat{1}^2$ m WITH MMT ADAPTIVE OPTICS AND MIRAC4[,][,]. Astrophysical Journal, 2012, 744, 133. | 4.5 | 6 |
| 54 | THE GEMINI NICI PLANET-FINDING CAMPAIGN: DISCOVERY OF A MULTIPLE SYSTEM ORBITING THE YOUNG A STAR HD 1160. Astrophysical Journal, 2012, 750, 53. | 4.5 | 70 |

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|----|---|-----|-----------|
| 55 | 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 |
| 56 | FIRST LIGHT LBT AO IMAGES OF HR 8799 bcde AT 1.6 AND 3.3 μ m: NEW DISCREPANCIES BETWEEN YOUNG PLANETS AND OLD BROWN DWARFS. <i>Astrophysical Journal</i> , 2012, 753, 14. | 4.5 | 152 |
| 57 | TIGER: a high contrast infrared imager for the Giant Magellan Telescope. <i>Proceedings of SPIE</i> , 2012, , . | 0.8 | 11 |
| 58 | DUST GRAIN EVOLUTION IN SPATIALLY RESOLVED T TAURI BINARIES. <i>Astrophysical Journal</i> , 2011, 740, 43. | 4.5 | 10 |
| 59 | SIRIUS B IMAGED IN THE MID-INFRARED: NO EVIDENCE FOR A REMNANT PLANETARY SYSTEM. <i>Astrophysical Journal</i> , 2011, 730, 53. | 4.5 | 36 |
| 60 | EVIDENCE AGAINST AN EDGE-ON DISK AROUND THE EXTRASOLAR PLANET, 2MASS 1207 b AND A NEW THICK-CLOUD EXPLANATION FOR ITS UNDERLUMINOSITY. <i>Astrophysical Journal</i> , 2011, 732, 107. | 4.5 | 82 |
| 61 | INFRARED STUDIES OF EPSILON AURIGAE IN ECLIPSE. <i>Astronomical Journal</i> , 2011, 142, 174. | 4.7 | 14 |
| 62 | 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 |
| 63 | ISM DUST GRAINS AND N-BAND SPECTRAL VARIABILITY IN THE SPATIALLY RESOLVED SUBARCSECOND BINARY UY Aur, . <i>Astrophysical Journal</i> , 2010, 711, 1280-1290. | 4.5 | 13 |
| 64 | A Direct Measurement of Atmospheric Dispersion in N-band Spectra: Implications for Mid-IR Systems on ELTs. <i>Publications of the Astronomical Society of the Pacific</i> , 2009, 121, 897-904. | 3.1 | 11 |
| 65 | Evidence for Misaligned Disks in the T Tauri Triple System: 10 μ m Superresolution with MMTAO and Markov Chains. <i>Astrophysical Journal</i> , 2008, 676, 1082-1087. | 4.5 | 30 |
| 66 | An Astrometric Companion to the Nearby Metal-Poor, Low-Mass Star LHS 1589. <i>Astrophysical Journal</i> , 2007, 668, 507-512. | 4.5 | 4 |