

Philip M Hinz

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	THE FIRST HUNDRED BROWN DWARFS DISCOVERED BY THE <i>WIDE-FIELD INFRARED SURVEY EXPLORER</i> (<i>WISE</i>). <i>Astrophysical Journal, Supplement Series</i> , 2011, 197, 19.	7.7	317
2	A COMBINED SUBARU/VLT/MMT 1-5 $\hat{1}$ / ₄ m STUDY OF PLANETS ORBITING HR 8799: IMPLICATIONS FOR ATMOSPHERIC PROPERTIES, MASSES, AND FORMATION. <i>Astrophysical Journal</i> , 2011, 729, 128.	4.5	233
3	CONSTRAINTS ON LONG-PERIOD PLANETS FROM AN<i>L</i>- AND<i>M</i>-BAND SURVEY OF NEARBY SUN-LIKE STARS: OBSERVATIONS. <i>Astrophysical Journal</i> , 2010, 714, 1551-1569.	4.5	224
4	Mass and Kinetic Energy of the Homunculus Nebula around $\hat{1}$ -Carinae. <i>Astronomical Journal</i> , 2003, 125, 1458-1466.	4.7	224
5	CONSTRAINTS ON LONG-PERIOD PLANETS FROM AN<i>L</i>- AND<i>M</i>-BAND SURVEY OF NEARBY SUN-LIKE STARS: MODELING RESULTS. <i>Astrophysical Journal</i> , 2010, 714, 1570-1581.	4.5	219
6	DISCOVERY OF A FAINT COMPANION TO ALCOR USING MMT/AO 5 $\hat{1}$ / ₄ m IMAGING. <i>Astronomical Journal</i> , 2010, 139, 919-925.	4.7	215
7	FIRST LIGHT LBT AO IMAGES OF HR 8799 bcde AT 1.6 AND 3.3 $\hat{1}$ / ₄ m: NEW DISCREPANCIES BETWEEN YOUNG PLANETS AND OLD BROWN DWARFS. <i>Astrophysical Journal</i> , 2012, 753, 14.	4.5	152
8	HD 106906 b: A PLANETARY-MASS COMPANION OUTSIDE A MASSIVE DEBRIS DISK. <i>Astrophysical Journal Letters</i> , 2014, 780, L4.	8.3	143
9	VIP: Vortex Image Processing Package for High-contrast Direct Imaging. <i>Astronomical Journal</i> , 2017, 154, 7.	4.7	129
10	AN ENIGMATIC POINT-LIKE FEATURE WITHIN THE HD 169142 TRANSITIONAL DISK,. <i>Astrophysical Journal Letters</i> , 2014, 792, L22.	8.3	119
11	DIRECTLY IMAGED L-T TRANSITION EXOPLANETS IN THE MID-INFRARED[,]. <i>Astrophysical Journal</i> , 2014, 792, 17.	4.5	112
12	A STUDY OF THE DIVERSE T DWARF POPULATION REVEALED BY <i>WISE</i>. <i>Astrophysical Journal, Supplement Series</i> , 2013, 205, 6.	7.7	107
13	THERMAL INFRARED MMTAO OBSERVATIONS OF THE HR 8799 PLANETARY SYSTEM. <i>Astrophysical Journal</i> , 2010, 716, 417-426.	4.5	104
14	FIRST RESULTS FROM VERY LARGE TELESCOPE NACO APODIZING PHASE PLATE: 4 $\hat{1}$ / ₄ m IMAGES OF THE EXOPLANET $\hat{1}$ ² PICTORIS b. <i>Astrophysical Journal Letters</i> , 2010, 722, L49-L53.	8.3	103
15	Imaging circumstellar environments with a nulling interferometer. <i>Nature</i> , 1998, 395, 251-253.	27.8	99
16	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[,]. <i>Astrophysical Journal</i> , 2014, 786, 32.	4.5	88
17	Constraining the Lifetime of Circumstellar Disks in the Terrestrial Planet Zone: A Midâ€Infrared Survey of the 30 Myr old Tucanaâ€Horologium Association. <i>Astrophysical Journal</i> , 2004, 612, 496-510.	4.5	86
18	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

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19	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
20	THE GEMINI NICI PLANET-FINDING CAMPAIGN: THE ORBIT OF THE YOUNG EXOPLANET Î ² PICTORIS b. <i>Astrophysical Journal</i> , 2014, 794, 158.	4.5	59
21	ON-SKY PERFORMANCE ANALYSIS OF THE VECTOR APODIZING PHASE PLATE CORONAGRAPH ON MagAO/Clio2. <i>Astrophysical Journal</i> , 2017, 834, 175.	4.5	59
22	DOES THE DEBRIS DISK AROUND HD 32297 CONTAIN COMETARY GRAINS?., <i>Astrophysical Journal</i> , 2014, 783, 21.	4.5	57
23	PREDICTIONS FOR SHEPHERDING PLANETS IN SCATTERED LIGHT IMAGES OF DEBRIS DISKS. <i>Astrophysical Journal</i> , 2014, 780, 65.	4.5	51
24	First On-Sky High-Contrast Imaging with an Apodizing Phase Plate. <i>Astrophysical Journal</i> , 2007, 660, 762-769.	4.5	48
25	Subarcsecond Mid-Infrared Structure of the Dust Shell around IRAS 22272+5435. <i>Astrophysical Journal</i> , 2001, 557, 831-843.	4.5	46
26	SEARCHING FOR PLANETS IN HOLEY DEBRIS DISKS WITH THE APODIZING PHASE PLATE. <i>Astrophysical Journal</i> , 2015, 800, 5.	4.5	46
27	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
28	ON THE MORPHOLOGY AND CHEMICAL COMPOSITION OF THE HR 4796A DEBRIS DISK. <i>Astrophysical Journal</i> , 2015, 798, 96.	4.5	45
29	SEARCHING FOR COOL DUST IN THE MID-TO-FAR INFRARED: THE MASS-LOSS HISTORIES OF THE HYPERGIANTS Î ^{1/4} Cep, VY CMa, IRC+10420, AND Î Cas*. <i>Astronomical Journal</i> , 2016, 151, 51.	4.7	45
30	The LEECH Exoplanet Imaging Survey: Limits on Planet Occurrence Rates under Conservative Assumptions. <i>Astronomical Journal</i> , 2018, 156, 286.	4.7	44
31	A Resolved Circumstellar Disk around the Herbig Ae Star HD 100546 in the Thermal Infrared. <i>Astrophysical Journal</i> , 2003, 598, L111-L114.	4.5	40
32	WHICH RADIAL VELOCITY EXOPLANETS HAVE UNDETECTED OUTER COMPANIONS?. <i>Astrophysical Journal</i> , 2009, 702, 716-723.	4.5	40
33	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
34	Three years of harvest with the vector vortex coronagraph in the thermal infrared. <i>Proceedings of SPIE</i> , 2016, , .	0.8	37
35	Constraints on Disk Sizes around Young Intermediate-Mass Stars: Nulling Interferometric Observations of Herbig A[CLC]e[CLC] Objects. <i>Astrophysical Journal</i> , 2001, 561, L131-L134.	4.5	37
36	MAGELLAN AO SYSTEM, Y _S , AND L ² OBSERVATIONS OF THE VERY WIDE 650 AU HD 106906 PLANETARY SYSTEM*. <i>Astrophysical Journal</i> , 2016, 823, 24.	4.5	35

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37	DIRECT EXOPLANET DETECTION WITH BINARY DIFFERENTIAL IMAGING. <i>Astrophysical Journal</i> , 2015, 811, 157.	4.5	33
38	DIRECT IMAGING CONSTRAINTS ON THE PUTATIVE EXOPLANET 14 Her C. <i>Astrophysical Journal</i> , 2011, 732, 10.	4.5	31
39	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
40	Status of the LBT interferometer. <i>Proceedings of SPIE</i> , 2008, , .	0.8	30
41	Evidence for Misaligned Disks in the T Tauri Triple System: 10 $\hat{1}$ / ₄ m Superresolution with MMTAO and Markov Chains ¹ . <i>Astrophysical Journal</i> , 2008, 676, 1082-1087.	4.5	30
42	BLINC: a testbed for nulling interferometry in the thermal infrared. , 2000, 4006, 349.		29
43	Thermal Infrared Constraint to a Planetary Companion of Vega with the MMT Adaptive Optics System. <i>Astrophysical Journal</i> , 2006, 653, 1486-1492.	4.5	29
44	Clio: a 5- $\hat{1}$ / ₄ m camera for the detection of giant exoplanets. , 2004, , .		28
45	Observations of Herbig Ae Disks with Nulling Interferometry. <i>Astrophysical Journal</i> , 2007, 658, 1164-1172.	4.5	27
46	Deep <i>L</i> and <i>M</i> band Imaging for Planets around Vega and $\hat{1}$ / ₄ Eridani. <i>Astrophysical Journal</i> , 2008, 688, 583-596.	4.5	27
47	EXO-ZODI MODELING FOR THE LARGE BINOCULAR TELESCOPE INTERFEROMETER. <i>Astrophysical Journal</i> , Supplement Series, 2015, 216, 23.	7.7	27
48	TARGET SELECTION FOR THE LBTI EXOZODI KEY SCIENCE PROGRAM. <i>Astrophysical Journal</i> , Supplement Series, 2015, 216, 24.	7.7	23
49	MMT/AO 5 $\hat{1}$ / ₄ m IMAGING CONSTRAINTS ON THE EXISTENCE OF GIANT PLANETS ORBITING FOMALHAUT AT $\hat{1}$ / ₄ 13-40 AU. <i>Astrophysical Journal</i> , 2009, 697, 1928-1933.	4.5	22
50	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
51	Large binocular telescope interferometer adaptive optics: on-sky performance and lessons learned. <i>Proceedings of SPIE</i> , 2014, , .	0.8	20
52	Adaptive Optics Nulling Interferometric Constraints on the Mid-Infrared Exozodiacal Dust Emission around Vega. <i>Astrophysical Journal</i> , 2004, 610, L125-L128.	4.5	18
53	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
54	Resolved Mid-Infrared Emission around AB Aurigae and V892 Tauri with Adaptive Optics Nulling Interferometric Observations. <i>Astrophysical Journal</i> , 2005, 618, L133-L136.	4.5	15

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55	MID-INFRARED HIGH-CONTRAST IMAGING OF HD 114174 B: AN APPARENT AGE DISCREPANCY IN A SIRIUS-LIKE BINARY SYSTEM. <i>Astrophysical Journal Letters</i> , 2014, 783, L25.	8.3	15
56	NIC: LBTI's nulling and imaging camera. <i>Proceedings of SPIE</i> , 2008, , .	0.8	14
57	Searching for Cool Dust. II. Infrared Imaging of The OH/IR Supergiants, NML Cyg, VX Sgr, S Per, and the Normal Red Supergiants RS Per and T Per. <i>Astronomical Journal</i> , 2018, 155, 212.	4.7	14
58	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
59	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
60	Operation and performance of the mid-infrared camera, NOMIC, on the Large Binocular Telescope. <i>Proceedings of SPIE</i> , 2014, , .	0.8	11
61	Multiwavelength observations of NaSt1 (WR122): equatorial mass loss and X-rays from an interacting Wolf-Rayet binary. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 450, 2551-2563.	4.4	11
62	DUST GRAIN EVOLUTION IN SPATIALLY RESOLVED T TAURI BINARIES. <i>Astrophysical Journal</i> , 2011, 740, 43.	4.5	10
63	Imaging protoplanets: observing transition disks with non-redundant masking. <i>Proceedings of SPIE</i> , 2016, , .	0.8	10
64	OBSERVATIONS OF MAIN-SEQUENCE STARS AND LIMITS ON EXOZODICAL DUST WITH NULLING INTERFEROMETRY. <i>Astrophysical Journal</i> , 2009, 693, 1500-1507.	4.5	9
65	ALES: overview and upgrades. , 2018, , .		7
66	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
67	FOUR DECADES OF IRC +10216: EVOLUTION OF A CARBON-RICH DUST SHELL RESOLVED AT 10 μ m WITH MMT ADAPTIVE OPTICS AND MIRAC4. <i>Astrophysical Journal</i> , 2012, 744, 133.	4.5	6
68	Thermal Emission in the Southwest Clump of VY CMa. <i>Astronomical Journal</i> , 2019, 157, 57.	4.7	6
69	MEAD: data reduction pipeline for ALES integral field spectrograph and LBTI thermal infrared calibration unit. , 2018, , .		6
70	On-sky operations with the ALES integral field spectrograph. , 2018, , .		6
71	L-band Integral Field Spectroscopy of the HR 8799 Planetary System. <i>Astronomical Journal</i> , 2022, 163, 217.	4.7	6
72	Status of the NGS adaptive optic system at the MMT Telescope. , 2004, , .		5

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73	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
74	High-contrast observations of brown dwarf companion HR2562B with the vector Apodizing Phase Plate coronagraph. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 506, 3224-3238.	4.4	5
75	Design of ALES: a broad wavelength integral field unit for LBTI/LMIRcam. , 2018, , .		5
76	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