Philip M Hinz

List of Publications by Year
in descending order

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76 papers	4,233 citations	147801 31 h-index	123424 61 g-index
76 all docs	76 docs citations	76 times ranked	2327 citing authors

#	Article	IF	Citations
1	Large Binocular Telescope Search for Companions and Substructures in the (Pre)transitional Disk of AB Aurigae. Astrophysical Journal, 2022, 926, 71.	4.5	2
2	L-band Integral Field Spectroscopy of the HR 8799 Planetary System. Astronomical Journal, 2022, 163, 217.	4.7	6
3	High-contrast observations of brown dwarf companion HRÂ2562ÂB with the vector Apodizing Phase Plate coronagraph. Monthly Notices of the Royal Astronomical Society, 2021, 506, 3224-3238.	4.4	5
4	High-contrast Thermal Infrared Spectroscopy with ALES: The 3â€“4 Î¼m Spectrum of Îº Andromedae b. Astronomical Journal, 2020, 160, 262.	4.7	7
5	Thermal Emission in the Southwest Clump of VY CMa^{â^—}. Astronomical Journal, 2019, 157, 57.	4.7	6
6	The LEECH Exoplanet Imaging Survey: Limits on Planet Occurrence Rates under Conservative Assumptions. Astronomical Journal, 2018, 156, 286.	4.7	44
7	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^{â^—}. Astronomical Journal, 2018, 155, 212.	4.7	14
8	MEAD: data reduction pipeline for ALES integral field spectrograph and LBTI thermal infrared calibration unit. , 2018, , .		6
9	On-sky operations with the ALES integral field spectrograph. , 2018, , .		6
10	ALES: overview and upgrades. , 2018, , .		7
11	Design of ALES: a broad wavelength integral field unit for LBTI/LMIRcam. , 2018, , .		5
12	ON-SKY PERFORMANCE ANALYSIS OF THE VECTOR APODIZING PHASE PLATE CORONAGRAPH ON MagAO/Clio2. Astrophysical Journal, 2017, 834, 175.	4.5	59
13	VIP: Vortex Image Processing Package for High-contrast Direct Imaging. Astronomical Journal, 2017, 154, 7.	4.7	129
14	MAGELLAN AO SYSTEM zâ€², Y_S, AND Lâ€² OBSERVATIONS OF THE VERY WIDE 650 AU HD 106906 PLANETARY SYSTEM*. Astrophysical Journal, 2016, 823, 24.	4.5	35
15	SEARCHING FOR COOL DUST IN THE MID-TO-FAR INFRARED: THE MASS-LOSS HISTORIES OF THE HYPERGIANTS Î¼ Cep, VY CMa, IRC+10420, AND Ï•Cas*. Astronomical Journal, 2016, 151, 51.	4.7	45
16	Imaging protoplanets: observing transition disks with non-redundant masking. Proceedings of SPIE, 2016, , .	0.8	10
17	MagAO IMAGING OF LONG-PERIOD OBJECTS (MILO). I. A BENCHMARK M DWARF COMPANION EXCITING A MASSIVE PLANET AROUND THE SUN-LIKE STAR HD 7449*. Astrophysical Journal, 2016, 818, 106.	4.5	40
18	Three years of harvest with the vector vortex coronagraph in the thermal infrared. Proceedings of SPIE, 2016, , .	0.8	37

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19	MagAO IMAGING OF LONG-PERIOD OBJECTS (MILO). II. A PUZZLING WHITE DWARF AROUND THE SUN-LIKE STAR HD 11112. Astrophysical Journal, 2016, 831, 177.	4.5	5
20	ADAPTIVE OPTICS IMAGING OF VHSÂ1256â€“1257: A LOW MASS COMPANION TO A BROWN DWARF BINARY SYSTEM. Astrophysical Journal Letters, 2016, 818, L12.	8.3	61
21	DIRECT EXOPLANET DETECTION WITH BINARY DIFFERENTIAL IMAGING. Astrophysical Journal, 2015, 811, 157.	4.5	33
22	Multiwavelength observations of NaSt1 (WRÂ122): equatorial mass loss and X-rays from an interacting Wolfâ€“Rayet binary. Monthly Notices of the Royal Astronomical Society, 2015, 450, 2551-2563.	4.4	11
23	SEARCHING FOR PLANETS IN HOLEY DEBRIS DISKS WITH THE APODIZING PHASE PLATE. Astrophysical Journal, 2015, 800, 5.	4.5	46
24	EXO-ZODI MODELING FOR THE LARGE BINOCULAR TELESCOPE INTERFEROMETER. Astrophysical Journal, Supplement Series, 2015, 216, 23.	7.7	27
25	ON THE MORPHOLOGY AND CHEMICAL COMPOSITION OF THE HR 4796A DEBRIS DISK. Astrophysical Journal, 2015, 798, 96.	4.5	45
26	TARGET SELECTION FOR THE LBTI EXOZODI KEY SCIENCE PROGRAM. Astrophysical Journal, Supplement Series, 2015, 216, 24.	7.7	23
27	NEW SPATIALLY RESOLVED OBSERVATIONS OF THE T Cha TRANSITION DISK AND CONSTRAINTS ON THE PREVIOUSLY CLAIMED SUBSTELLAR COMPANION. Astrophysical Journal, 2015, 801, 85.	4.5	21
28	Large binocular telescope interferometer adaptive optics: on-sky performance and lessons learned. Proceedings of SPIE, 2014, , .	0.8	20
29	MID-INFRARED HIGH-CONTRAST IMAGING OF HD 114174 B: AN APPARENT AGE DISCREPANCY IN A â€œSIRIUS-LIKEâ€• BINARY SYSTEM. Astrophysical Journal Letters, 2014, 783, L25.	8.3	15
30	DOES THE DEBRIS DISK AROUND HD 32297 CONTAIN COMETARY GRAINS?,. Astrophysical Journal, 2014, 783, 21.	4.5	57
31	MAGELLAN ADAPTIVE OPTICS FIRST-LIGHT OBSERVATIONS OF THE EXOPLANET Î² 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
32	THE GEMINI NICI PLANET-FINDING CAMPAIGN: THE ORBIT OF THE YOUNG EXOPLANET Î² PICTORIS b. Astrophysical Journal, 2014, 794, 158.	4.5	59
33	DIRECTLY IMAGED L-T TRANSITION EXOPLANETS IN THE MID-INFRARED[,]. Astrophysical Journal, 2014, 792, 17.	4.5	112
34	PREDICTIONS FOR SHEPHERDING PLANETS IN SCATTERED LIGHT IMAGES OF DEBRIS DISKS. Astrophysical Journal, 2014, 780, 65.	4.5	51
35	HD 106906 b: A PLANETARY-MASS COMPANION OUTSIDE A MASSIVE DEBRIS DISK. Astrophysical Journal Letters, 2014, 780, L4.	8.3	143
36	AN ENIGMATIC POINT-LIKE FEATURE WITHIN THE HD 169142 TRANSITIONAL DISK,. Astrophysical Journal Letters, 2014, 792, L22.	8.3	119

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37	Operation and performance of the mid-infrared camera, NOMIC, on the Large Binocular Telescope. Proceedings of SPIE, 2014, , .	0.8	11
38	A STUDY OF THE DIVERSE T DWARF POPULATION REVEALED BY WISE. Astrophysical Journal, Supplement Series, 2013, 205, 6.	7.7	107
39	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
40	ADAPTIVE OPTICS IMAGING OF VY CANIS MAJORIS AT 2-5 Î¼m WITH LBT/LMIRCam. Astronomical Journal, 2013, 146, 90.	4.7	18
41	FOUR DECADES OF IRC +10216: EVOLUTION OF A CARBON-RICH DUST SHELL RESOLVED AT 10 Î¼m WITH MMT ADAPTIVE OPTICS AND MIRAC4[,]<sup>. Astrophysical Journal, 2012, 744, 133.	4.5	6
42	THE GRAY NEEDLE: LARGE GRAINS IN THE HD 15115 DEBRIS DISK FROM LBT/PISCES/KsAND LBTI /LMIRcam/Lâ€² ADAPTIVE OPTICS IMAGING. Astrophysical Journal, 2012, 752, 57.	4.5	45
43	FIRST LIGHT LBT AO IMAGES OF HR 8799 bcde AT 1.6 AND 3.3 Î¼m: NEW DISCREPANCIES BETWEEN YOUNG PLANETS AND OLD BROWN DWARFS. Astrophysical Journal, 2012, 753, 14.	4.5	152
44	The Exozodiacal Dust Problem for Direct Observations of Exo-Earths. Publications of the Astronomical Society of the Pacific, 2012, 124, 799-808.	3.1	81
45	DUST GRAIN EVOLUTION IN SPATIALLY RESOLVED T TAURI BINARIES. Astrophysical Journal, 2011, 740, 43.	4.5	10
46	A COMBINED SUBARU/VLT/MMT 1-5 Î¼m STUDY OF PLANETS ORBITING HR 8799: IMPLICATIONS FOR ATMOSPHERIC PROPERTIES, MASSES, AND FORMATION. Astrophysical Journal, 2011, 729, 128.	4.5	233
47	DIRECT IMAGING CONSTRAINTS ON THE PUTATIVE EXOPLANET 14 Her C. Astrophysical Journal, 2011, 732, 10.	4.5	31
48	THE FIRST HUNDRED BROWN DWARFS DISCOVERED BY THE WIDE-FIELD INFRARED SURVEY EXPLORER (WISE). Astrophysical Journal, Supplement Series, 2011, 197, 19.	7.7	317
49	THERMAL INFRARED MMTAO OBSERVATIONS OF THE HR 8799 PLANETARY SYSTEM. Astrophysical Journal, 2010, 716, 417-426.	4.5	104
50	CONSTRAINTS ON LONG-PERIOD PLANETS FROM ANLâ€²- ANDM-BAND SURVEY OF NEARBY SUN-LIKE STARS: OBSERVATIONS. Astrophysical Journal, 2010, 714, 1551-1569.	4.5	224
51	CONSTRAINTS ON LONG-PERIOD PLANETS FROM ANLâ€²- ANDM-BAND SURVEY OF NEARBY SUN-LIKE STARS: MODELING RESULTS. Astrophysical Journal, 2010, 714, 1570-1581.	4.5	219
52	ISM DUST GRAINS ANDN-BAND SPECTRAL VARIABILITY IN THE SPATIALLY RESOLVED SUBARCSECOND BINARY UY Aur,,. Astrophysical Journal, 2010, 711, 1280-1290.	4.5	13
53	DISCOVERY OF A FAINT COMPANION TO ALCOR USING MMT/AO 5 Î¼m IMAGING. Astronomical Journal, 2010, 139, 919-925.	4.7	215
54	FIRST RESULTS FROM VERY LARGE TELESCOPE NACO APODIZING PHASE PLATE: 4 Î¼m IMAGES OF THE EXOPLANET Î² PICTORIS b. Astrophysical Journal Letters, 2010, 722, L49-L53.	8.3	103

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55	MMT/AO 5 Î¼m IMAGING CONSTRAINTS ON THE EXISTENCE OF GIANT PLANETS ORBITING FOMALHAUT AT â¼13-40 AU. Astrophysical Journal, 2009, 697, 1928-1933.	4.5	22
56	OBSERVATIONS OF MAIN-SEQUENCE STARS AND LIMITS ON EXOZODICAL DUST WITH NULLING INTERFEROMETRY. Astrophysical Journal, 2009, 693, 1500-1507.	4.5	9
57	WHICH RADIAL VELOCITY EXOPLANETS HAVE UNDETECTED OUTER COMPANIONS?. Astrophysical Journal, 2009, 702, 716-723.	4.5	40
58	A Direct Measurement of Atmospheric Dispersion inN-band Spectra: Implications for Mid-IR Systems on ELTs1. Publications of the Astronomical Society of the Pacific, 2009, 121, 897-904.	3.1	11
59	Status of the LBT interferometer. Proceedings of SPIE, 2008, , .	0.8	30
60	NIC: LBTI's nulling and imaging camera. Proceedings of SPIE, 2008, , .	0.8	14
61	DeepL'â€•andMâ€band Imaging for Planets around Vega and Îµ Eridani. Astrophysical Journal, 2008, 688, 583-596.	4.5	27
62	Evidence for Misaligned Disks in the T Tauri Triple System: 10 Î¼m Superresolution with MMTAO and Markov Chains1. Astrophysical Journal, 2008, 676, 1082-1087.	4.5	30
63	Observations of Herbig Ae Disks with Nulling Interferometry. Astrophysical Journal, 2007, 658, 1164-1172.	4.5	27
64	First Onâ€Sky Highâ€Contrast Imaging with an Apodizing Phase Plate. Astrophysical Journal, 2007, 660, 762-769.	4.5	48
65	Thermal Infrared Constraint to a Planetary Companion of Vega with the MMT Adaptive Optics System. Astrophysical Journal, 2006, 653, 1486-1492.	4.5	29
66	Resolved Mid-Infrared Emission around AB Aurigae and V892 Tauri with Adaptive Optics Nulling Interferometric Observations. Astrophysical Journal, 2005, 618, L133-L136.	4.5	15
67	Adaptive Optics Nulling Interferometric Constraints on the Mid-Infrared Exozodiacal Dust Emission around Vega. Astrophysical Journal, 2004, 610, L125-L128.	4.5	18
68	Clio: a 5-Î¼m camera for the detection of giant exoplanets. , 2004, , .		28
69	Status of the NGS adaptive optic system at the MMT Telescope. , 2004, , .		5
70	Constraining the Lifetime of Circumstellar Disks in the Terrestrial Planet Zone: A Midâ€Infrared Survey of the 30 Myr old Tucanaâ€Horologium Association. Astrophysical Journal, 2004, 612, 496-510.	4.5	86
71	A Resolved Circumstellar Disk around the Herbig Ae Star HD 100546 in the Thermal Infrared. Astrophysical Journal, 2003, 598, L111-L114.	4.5	40
72	Mass and Kinetic Energy of the Homunculus Nebula around Î· Carinae. Astronomical Journal, 2003, 125, 1458-1466.	4.7	224

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73	Subarcsecond Midâ€infrared Structure of the Dust Shell around IRAS 22272+5435. Astrophysical Journal, 2001, 557, 831-843.	4.5	46
74	Constraints on Disk Sizes around Young Intermediate-Mass Stars: Nulling Interferometric Observations of Herbig A[CLC]e[/CLC] Objects. Astrophysical Journal, 2001, 561, L131-L134.	4.5	37
75	BLINC: a testbed for nulling interferometry in the thermal infrared. , 2000, 4006, 349.		29
76	Imaging circumstellar environments with a nulling interferometer. Nature, 1998, 395, 251-253.	27.8	99