

Philip Hinz

List of Publications by Year in descending order

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117
papers

5,459
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94433

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3068
citing authors

#	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	Accreting protoplanets in the LkCa 15 transition disk. <i>Nature</i> , 2015, 527, 342-344.	27.8	249
3	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
4	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
5	Mass and Kinetic Energy of the Homunculus Nebula around $\hat{1}$ Carinae. <i>Astronomical Journal</i> , 2003, 125, 1458-1466.	4.7	224
6	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
7	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
8	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
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	DISCOVERY OF H $\hat{1}$ ± EMISSION FROM THE CLOSE COMPANION INSIDE THE GAP OF TRANSITIONAL DISK HD 142527. <i>Astrophysical Journal Letters</i> , 2014, 781, L30.	8.3	114
12	DIRECTLY IMAGED L-T TRANSITION EXOPLANETS IN THE MID-INFRARED. <i>Astrophysical Journal</i> , 2014, 792, 17.	4.5	112
13	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
14	THERMAL INFRARED MMTAO OBSERVATIONS OF THE HR 8799 PLANETARY SYSTEM. <i>Astrophysical Journal</i> , 2010, 716, 417-426.	4.5	104
15	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
16	HAT-P-39bâ€“HAT-P-41b: THREE HIGHLY INFLATED TRANSITING HOT JUPITERS. <i>Astronomical Journal</i> , 2012, 144, 139.	4.7	103
17	Imaging circumstellar environments with a nulling interferometer. <i>Nature</i> , 1998, 395, 251-253.	27.8	99
18	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

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19	Constraining the Lifetime of Circumstellar Disks in the Terrestrial Planet Zone: A Mid-Infrared Survey of the 30 Myr old Tucana-Horologium Association. <i>Astrophysical Journal</i> , 2004, 612, 496-510.	4.5	86
20	DIFFRACTION-LIMITED VISIBLE LIGHT IMAGES OF ORION TRAPEZIUM CLUSTER WITH THE MAGELLAN ADAPTIVE SECONDARY ADAPTIVE OPTICS SYSTEM (MagAO). <i>Astrophysical Journal</i> , 2013, 774, 94.	4.5	85
21	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
22	The HOSTS Survey's Exozodiacal Dust Measurements for 30 Stars. <i>Astronomical Journal</i> , 2018, 155, 194.	4.7	78
23	NULLING DATA REDUCTION AND ON-SKY PERFORMANCE OF THE LARGE BINOCULAR TELESCOPE INTERFEROMETER. <i>Astrophysical Journal</i> , 2016, 824, 66.	4.5	70
24	CONSTRAINING THE EXOZODIACAL LUMINOSITY FUNCTION OF MAIN-SEQUENCE STARS: COMPLETE RESULTS FROM THE KECK NULLER MID-INFRARED SURVEYS. <i>Astrophysical Journal</i> , 2014, 797, 119.	4.5	69
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	HAT-P-57b: A SHORT-PERIOD GIANT PLANET TRANSITING A BRIGHT RAPIDLY ROTATING A8V STAR CONFIRMED VIA DOPPLER TOMOGRAPHY. <i>Astronomical Journal</i> , 2015, 150, 197.	4.7	64
27	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
28	THE GEMINI NICI PLANET-FINDING CAMPAIGN: THE ORBIT OF THE YOUNG EXOPLANET ρ^2 PICTORIS b. <i>Astrophysical Journal</i> , 2014, 794, 158.	4.5	59
29	ON-SKY PERFORMANCE ANALYSIS OF THE VECTOR APODIZING PHASE PLATE CORONAGRAPH ON MagAO/Clio2. <i>Astrophysical Journal</i> , 2017, 834, 175.	4.5	59
30	DOES THE DEBRIS DISK AROUND HD 32297 CONTAIN COMETARY GRAINS?., <i>Astrophysical Journal</i> , 2014, 783, 21.	4.5	57
31	The HOSTS Survey for Exozodiacal Dust: Observational Results from the Complete Survey. <i>Astronomical Journal</i> , 2020, 159, 177.	4.7	57
32	HAT-P-67b: An Extremely Low Density Saturn Transiting an F-subgiant Confirmed via Doppler Tomography. <i>Astronomical Journal</i> , 2017, 153, 211.	4.7	54
33	First On-Sky High-Contrast Imaging with an Apodizing Phase Plate. <i>Astrophysical Journal</i> , 2007, 660, 762-769.	4.5	48
34	TWO SMALL TEMPERATE PLANETS TRANSITING NEARBY M DWARFS IN K2 CAMPAIGNS 0 AND 1*. <i>Astrophysical Journal</i> , 2016, 818, 87.	4.5	47
35	Subarcsecond Mid-Infrared Structure of the Dust Shell around IRAS 22272+5435. <i>Astrophysical Journal</i> , 2001, 557, 831-843.	4.5	46
36	AN INTERFEROMETRIC STUDY OF THE FOMALHAUT INNER DEBRIS DISK. II. KECK NULLER MID-INFRARED OBSERVATIONS. <i>Astrophysical Journal</i> , 2013, 763, 119.	4.5	46

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37	SEARCHING FOR PLANETS IN HOLEY DEBRIS DISKS WITH THE APODIZING PHASE PLATE. <i>Astrophysical Journal</i> , 2015, 800, 5.	4.5	46
38	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
39	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 $\dot{\nu}$ Cas*. <i>Astronomical Journal</i> , 2016, 151, 51.	4.7	45
40	The LEECH Exoplanet Imaging Survey: Limits on Planet Occurrence Rates under Conservative Assumptions. <i>Astronomical Journal</i> , 2018, 156, 286.	4.7	44
41	FIRST-LIGHT LBT NULLING INTERFEROMETRIC OBSERVATIONS: WARM EXOZODIACAL DUST RESOLVED WITHIN A FEW AU OF $\dot{\nu}$ Crv. <i>Astrophysical Journal</i> , 2015, 799, 42.	4.5	42
42	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
43	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
44	WHICH RADIAL VELOCITY EXOPLANETS HAVE UNDETECTED OUTER COMPANIONS?. <i>Astrophysical Journal</i> , 2009, 702, 716-723.	4.5	40
45	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
46	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
47	High Contrast Imaging in the Visible: First Experimental Results at the Large Binocular Telescope. <i>Astronomical Journal</i> , 2017, 154, 74.	4.7	36
48	MAGELLAN AO SYSTEM $\hat{\nu}$ S, AND $\hat{\nu}$ OBSERVATIONS OF THE VERY WIDE 650 AU HD 106906 PLANETARY SYSTEM*. <i>Astrophysical Journal</i> , 2016, 823, 24.	4.5	35
49	HIGH-RESOLUTION IMAGES OF ORBITAL MOTION IN THE ORION TRAPEZIUM CLUSTER WITH THE LBT AO SYSTEM. <i>Astrophysical Journal</i> , 2012, 749, 180.	4.5	34
50	iLocater: a diffraction-limited Doppler spectrometer for the Large Binocular Telescope. <i>Proceedings of SPIE</i> , 2016, , .	0.8	34
51	DIRECT EXOPLANET DETECTION WITH BINARY DIFFERENTIAL IMAGING. <i>Astrophysical Journal</i> , 2015, 811, 157.	4.5	33
52	DIRECT IMAGING CONSTRAINTS ON THE PUTATIVE EXOPLANET 14 Her C. <i>Astrophysical Journal</i> , 2011, 732, 10.	4.5	31
53	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
54	DISCOVERY OF AN INNER DISK COMPONENT AROUND HD 141569 A*. <i>Astrophysical Journal Letters</i> , 2016, 818, L23.	8.3	31

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55	Evidence for Misaligned Disks in the T Tauri Triple System: 10 $\hat{1}$ / ₄ m Superresolution with MMTAO and Markov Chains. <i>Astrophysical Journal</i> , 2008, 676, 1082-1087.	4.5	30
56	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
57	SDSS J102111.02+491330.4: A Newly Discovered Gravitationally Lensed Quasar. <i>Astronomical Journal</i> , 2006, 131, 41-48.	4.7	28
58	Observations of Herbig Ae Disks with Nulling Interferometry. <i>Astrophysical Journal</i> , 2007, 658, 1164-1172.	4.5	27
59	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
60	EXO-ZODI MODELING FOR THE LARGE BINOCULAR TELESCOPE INTERFEROMETER. <i>Astrophysical Journal</i> , Supplement Series, 2015, 216, 23.	7.7	27
61	Multi-phase volcanic resurfacing at Loki Patera on Io. <i>Nature</i> , 2017, 545, 199-202.	27.8	26
62	TARGET SELECTION FOR THE LBTI EXOZODI KEY SCIENCE PROGRAM. <i>Astrophysical Journal</i> , Supplement Series, 2015, 216, 24.	7.7	23
63	NEW EXTINCTION AND MASS ESTIMATES FROM OPTICAL PHOTOMETRY OF THE VERY LOW MASS BROWN DWARF COMPANION CT CHAMAELEONTIS B WITH THE MAGELLAN AO SYSTEM. <i>Astrophysical Journal</i> , 2015, 801, 4.	4.5	23
64	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
65	NEW EXTINCTION AND MASS ESTIMATES OF THE LOW-MASS COMPANION 1RXS 1609 B WITH THE MAGELLAN AO SYSTEM: EVIDENCE OF AN INCLINED DUST DISK. <i>Astrophysical Journal Letters</i> , 2015, 807, L13.	8.3	22
66	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
67	IMAGING THE COOL HYPERGIANT NML CYGNI'S DUSTY CIRCUMSTELLAR ENVELOPE WITH ADAPTIVE OPTICS. <i>Astrophysical Journal</i> , 2009, 699, 1423-1432.	4.5	20
68	CHARACTERIZATION OF THE BENCHMARK BINARY NLTT 33370 ^{<sup>, </sup>} . <i>Astrophysical Journal</i> , 2014, 783, 27.	4.5	20
69	SPATIALLY RESOLVED M-BAND EMISSION FROM IOâ€™S LOKI PATERAâ€™â€™FIZEAU IMAGING AT THE 22.8 m LBT. <i>Astronomical Journal</i> , 2015, 149, 175.	4.7	20
70	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
71	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
72	The NIR arm of SHARK: System for coronagraphy with High-order Adaptive optics from R to K bands. <i>International Journal of Astrobiology</i> , 2015, 14, 365-373.	1.6	17

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73	First light with ALES: A 2-5 micron adaptive optics Integral Field Spectrograph for the LBT. Proceedings of SPIE, 2015, , .	0.8	17
74	Optical design of interferometric telescopes with wide fields of view. Applied Optics, 2006, 45, 8026.	2.1	15
75	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
76	INFRARED STUDIES OF EPSILON AURIGAE IN ECLIPSE. Astronomical Journal, 2011, 142, 174.	4.7	14
77	HIGH RESOLUTION H β IMAGES OF THE BINARY LOW-MASS PROPLYD LV 1 WITH THE MAGELLAN AO SYSTEM. Astrophysical Journal, 2013, 774, 45.	4.5	14
78	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 ⁺ . Astronomical Journal, 2018, 155, 212.	4.7	14
79	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
80	THE FIRST CIRCUMSTELLAR DISK IMAGED IN SILHOUETTE AT VISIBLE WAVELENGTHS WITH ADAPTIVE OPTICS: MagAO IMAGING OF ORION 218-354. Astrophysical Journal Letters, 2013, 775, L13.	8.3	13
81	The TRENDS High-contrast Imaging Survey. VII. Discovery of a Nearby Sirius-like White Dwarf System (HD 169889). Astrophysical Journal, 2018, 864, 42.	4.5	13
82	High-Resolution Mid-Infrared Imaging of the Asymptotic Giant Branch Star RV Bootis with the Steward Observatory Adaptive Optics System. Astrophysical Journal, 2005, 620, 450-458.	4.5	12
83	On-sky single-mode fiber coupling measurements at the Large Binocular Telescope. Proceedings of SPIE, 2016, , .	0.8	12
84	A Direct Measurement of Atmospheric Dispersion in <i>N</i> -band Spectra: Implications for Mid-IR Systems on ELTs. Publications of the Astronomical Society of the Pacific, 2009, 121, 897-904.	3.1	11
85	TIGER: a high contrast infrared imager for the Giant Magellan Telescope. Proceedings of SPIE, 2012, , .	0.8	11
86	High contrast imaging at the LBT: the LEECH exoplanet imaging survey. Proceedings of SPIE, 2014, , .	0.8	11
87	Multiwavelength observations of NaSt1 (WR $\hat{1}$ 22): equatorial mass loss and X-rays from an interacting Wolf-Rayet binary. Monthly Notices of the Royal Astronomical Society, 2015, 450, 2551-2563.	4.4	11
88	DUST GRAIN EVOLUTION IN SPATIALLY RESOLVED T TAURI BINARIES. Astrophysical Journal, 2011, 740, 43.	4.5	10
89	Making high-accuracy null depth measurements for the LBTI exozodi survey. Proceedings of SPIE, 2016, , .	0.8	10
90	OBSERVATIONS OF MAIN-SEQUENCE STARS AND LIMITS ON EXOZODICAL DUST WITH NULLING INTERFEROMETRY. Astrophysical Journal, 2009, 693, 1500-1507.	4.5	9

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91	Direct imaging of exoplanets in the habitable zone with adaptive optics. Proceedings of SPIE, 2014, , .	0.8	9
92	Improved Constraints on the Disk around MWC 349A from the 23 m LBTI. Astrophysical Journal, 2017, 844, 22.	4.5	9
93	The path to visible extreme adaptive optics with MagAO-2K and MagAO-X. , 2016, , .		9
94	Spatially Resolved Circumnuclear Dust in Centaurus A. Astrophysical Journal, 2003, 598, L91-L94.	4.5	8
95	Thermal Emission in the Southwest Clump of VY CMa[^]. Astronomical Journal, 2019, 157, 57.	4.7	6
96	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
97	The LBTI Fizeau imager â€“ II. Sensitivity of the PSF and the MTF to adaptive optics errors and to piston errors. Monthly Notices of the Royal Astronomical Society, 2017, 472, 3288-3297.	4.4	5
98	Spectrophotometry with a Transmission Grating for Detecting Faint Occultations. Publications of the Astronomical Society of the Pacific, 2003, 115, 322-333.	3.1	4
99	Testing and alignment of the LBTI. , 2010, , .		4
100	The LBTI Fizeau imager â€“ I. Fundamental gain in high-contrast imaging. Monthly Notices of the Royal Astronomical Society, 2017, 472, 2544-2553.	4.4	4
101	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
102	SHARK (System for coronagraphy with High order Adaptive optics from R to K band): a proposal for the LBT 2nd generation instrumentation. Proceedings of SPIE, 2014, , .	0.8	3
103	SHARK-NIR: from K-band to a key instrument, a status update. , 2016, , .		3
104	Spectral Types for Four OGLE-III Transit Candidates: Could These Be Planets?. Astronomical Journal, 2005, 130, 1929-1938.	4.7	2
105	Image Flux Ratios of Gravitationally Lensed HS 0810+2554 with High-resolution Infrared Imaging. Astronomical Journal, 2019, 158, 237.	4.7	2
106	A two-band approach to n̂» phase error corrections with LBTI's PHASECam. , 2018, , .		2
107	Large Binocular Telescope Search for Companions and Substructures in the (Pre)transitional Disk of AB Aurigae. Astrophysical Journal, 2022, 926, 71.	4.5	2
108	Optical design, tolerance, and stray light analysis of the Universal Beam Combiner in the Large Binocular Telescope Interferometer. , 2004, 5524, 21.		1

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109	Characterization of common path phase sensing for nulling interferometry. , 2006, 6268, 951.		1
110	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
111	Toward visible wavelength coherent imaging with the LBT. , 2014, , .		1
112	Visible AO Observations at Halpha for Accreting Young Planets. Proceedings of the International Astronomical Union, 2013, 8, 32-33.	0.0	0
113	Visible Light Adaptive Optics Imaging of the Orion 218-354 Silhouette Disk. Proceedings of the International Astronomical Union, 2013, 8, 159-160.	0.0	0
114	Searching for Faint Exozodiacal Disks: Keck Results and LBTI Status. Proceedings of the International Astronomical Union, 2013, 8, 332-333.	0.0	0
115	Sensitivity to differential piston and to adaptive optics errors with the Large Binocular Telescope Interferometer. Proceedings of SPIE, 2016, , .	0.8	0
116	Fundamental gain in high-contrast imaging with the large binocular telescope interferometer. Proceedings of SPIE, 2016, , .	0.8	0
117	A design study for adaptive primary mirrors in 1-2 meter class telescopes.. , 2021, , .		0