

Pascale Hibon

List of Publications by Year in descending order

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Version: 2024-02-01

61
papers

3,259
citations

159585

30
h-index

161849

54
g-index

61
all docs

61
docs citations

61
times ranked

2310
citing authors

#	ARTICLE	IF	CITATIONS
1	First light of the Gemini Planet Imager. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 12661-12666.	7.1	472
2	The Gemini Planet Imager Exoplanet Survey: Giant Planet and Brown Dwarf Demographics from 10 to 100 au. Astronomical Journal, 2019, 158, 13.	4.7	270
3	POLARIMETRY WITH THE GEMINI PLANET IMAGER: METHODS, PERFORMANCE AT FIRST LIGHT, AND THE CIRCUMSTELLAR RING AROUND HR 4796A. Astrophysical Journal, 2015, 799, 182.	4.5	139
4	Characterizing 51 Eri b from 1 to 5 $\hat{1}$ / ₄ m: A Partly Cloudy Exoplanet. Astronomical Journal, 2017, 154, 10.	4.7	110
5	<i>$\hat{1}$/₂</i> PICTORIS \hat{a} ™ INNER DISK IN POLARIZED LIGHT AND NEW ORBITAL PARAMETERS FOR <i>$\hat{1}$/₂</i> PICTORIS <i>b</i> . Astrophysical Journal, 2015, 811, 18.	4.5	108
6	THE SUBARU HIGH- <i>z</i> QUASAR SURVEY: DISCOVERY OF FAINT <i>z</i> $\hat{1}$ / ₄ 6 QUASARS. Astrophysical Journal, 2015, 798, 28.	4.5	100
7	Complex Spiral Structure in the HD 100546 Transitional Disk as Revealed by GPI and MagAO. Astronomical Journal, 2017, 153, 264.	4.7	99
8	Improving and Assessing Planet Sensitivity of the GPI Exoplanet Survey with a Forward Model Matched Filter. Astrophysical Journal, 2017, 842, 14.	4.5	96
9	THE ORBIT AND TRANSIT PROSPECTS FOR $\hat{1}$ / ₂ PICTORIS b CONSTRAINED WITH ONE MILLIARCSECOND ASTROMETRY. Astronomical Journal, 2016, 152, 97.	4.7	95
10	Dynamical Constraints on the HR 8799 Planets with GPI. Astronomical Journal, 2018, 156, 192.	4.7	95
11	1 \hat{a} $\hat{1}$ / ₄ m Near-IR Spectrum of the Giant Planet $\hat{1}$ / ₂ Pictoris b Obtained with the Gemini Planet Imager. Astronomical Journal, 2017, 153, 182.	4.7	92
12	An Optical/Near-infrared Investigation of HD 100546 b with the Gemini Planet Imager and MagAO. Astronomical Journal, 2017, 153, 244.	4.7	81
13	GEMINI PLANET IMAGER SPECTROSCOPY OF THE HR 8799 PLANETS c AND d. Astrophysical Journal Letters, 2014, 794, L15.	8.3	80
14	DIRECT IMAGING OF AN ASYMMETRIC DEBRIS DISK IN THE HD 106906 PLANETARY SYSTEM. Astrophysical Journal, 2015, 814, 32.	4.5	79
15	SPECTROSCOPIC CHARACTERIZATION OF HD 95086 b WITH THE GEMINI PLANET IMAGER. Astrophysical Journal, 2016, 824, 121.	4.5	78
16	ASTROMETRIC CONFIRMATION AND PRELIMINARY ORBITAL PARAMETERS OF THE YOUNG EXOPLANET 51 ERIDANI b WITH THE GEMINI PLANET IMAGER. Astrophysical Journal Letters, 2015, 814, L3.	8.3	77
17	Gemini Planet Imager observational calibrations I: Overview of the GPI data reduction pipeline. Proceedings of SPIE, 2014, , .	0.8	70
18	Debris Disk Results from the Gemini Planet Imager Exoplanet Survey's Polarimetric Imaging Campaign. Astronomical Journal, 2020, 160, 24.	4.7	64

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19	THE FIRST <i>H₂</i> -BAND SPECTRUM OF THE GIANT PLANET $\hat{\nu}^2$ PICTORIS b. <i>Astrophysical Journal Letters</i> , 2015, 798, L3.	8.3	61
20	DISCOVERY OF A SUBSTELLAR COMPANION TO THE NEARBY DEBRIS DISK HOST HR 2562. <i>Astrophysical Journal Letters</i> , 2016, 829, L4.	8.3	60
21	Minor Contribution of Quasars to Ionizing Photon Budget at $z \hat{\nu}^1/4 \hat{\nu}^6$: Update on Quasar Luminosity Function at the Faint End with Subaru/Suprime-Cam. <i>Astrophysical Journal Letters</i> , 2017, 847, L15.	8.3	57
22	CONSTRAINTS ON THE ARCHITECTURE OF THE HD 95086 PLANETARY SYSTEM WITH THE GEMINI PLANET IMAGER. <i>Astrophysical Journal Letters</i> , 2016, 822, L29.	8.3	55
23	FIRST SCATTERED-LIGHT IMAGE OF THE DEBRIS DISK AROUND HD 131835 WITH THE GEMINI PLANET IMAGER. <i>Astrophysical Journal Letters</i> , 2015, 815, L14.	8.3	54
24	Evidence That the Directly Imaged Planet HD 131399 Ab Is a Background Star. <i>Astronomical Journal</i> , 2017, 154, 218.	4.7	52
25	GPI Spectra of HR 8799 c, d, and e from 1.5 to 2.4 $\hat{\nu}^1/4$ m with KLIP Forward Modeling. <i>Astronomical Journal</i> , 2018, 155, 226.	4.7	50
26	Gemini planet imager observational calibrations VIII: characterization and role of satellite spots. <i>Proceedings of SPIE</i> , 2014, , .	0.8	48
27	Performance of the Gemini Planet Imager's adaptive optics system. <i>Applied Optics</i> , 2016, 55, 323.	2.1	46
28	GEMINI PLANET IMAGER OBSERVATIONS OF THE AU MICROSCOPII DEBRIS DISK: ASYMMETRIES WITHIN ONE ARCSECOND. <i>Astrophysical Journal Letters</i> , 2015, 811, L19.	8.3	41
29	FIGS's Faint Infrared Grism Survey: Description and Data Reduction. <i>Astrophysical Journal</i> , 2017, 846, 84.	4.5	37
30	First Scattered-light Images of the Gas-rich Debris Disk around 49 Ceti. <i>Astrophysical Journal Letters</i> , 2017, 834, L12.	8.3	36
31	An Exo's Kuiper Belt with an Extended Halo around HD 191089 in Scattered Light. <i>Astrophysical Journal</i> , 2019, 882, 64.	4.5	34
32	The Gemini Planet Imager Exoplanet Survey: Dynamical Mass of the Exoplanet $\hat{\nu}^2$ Pictoris b from Combined Direct Imaging and Astrometry. <i>Astronomical Journal</i> , 2020, 159, 71.	4.7	29
33	Multiband GPI Imaging of the HR 4796A Debris Disk. <i>Astrophysical Journal</i> , 2020, 898, 55.	4.5	29
34	DYNAMICAL MASS MEASUREMENT OF THE YOUNG SPECTROSCOPIC BINARY V343 NORMAE AaAb RESOLVED WITH THE GEMINI PLANET IMAGER. <i>Astronomical Journal</i> , 2016, 152, 175.	4.7	28
35	Direct Imaging of the HD 35841 Debris Disk: A Polarized Dust Ring from Gemini Planet Imager and an Outer Halo from HST/STIS. <i>Astronomical Journal</i> , 2018, 156, 47.	4.7	28
36	THE PECULIAR DEBRIS DISK OF HD 111520 AS RESOLVED BY THE GEMINI PLANET IMAGER. <i>Astrophysical Journal</i> , 2016, 826, 147.	4.5	27

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37	Gemini planet imager observational calibrations IV: wavelength calibration and flexure correction for the integral field spectrograph. Proceedings of SPIE, 2014, , .	0.8	24
38	THE PDS 66 CIRCUMSTELLAR DISK AS SEEN IN POLARIZED LIGHT WITH THE GEMINI PLANET IMAGER. Astrophysical Journal Letters, 2016, 818, L15.	8.3	22
39	Multiband Polarimetric Imaging of HR 4796A with the Gemini Planet Imager. Astronomical Journal, 2020, 160, 79.	4.7	22
40	IMAGING AN 80 au RADIUS DUST RING AROUND THE F5V STAR HD 157587. Astronomical Journal, 2016, 152, 128.	4.7	19
41	The Gemini Planet Imager View of the HD 32297 Debris Disk. Astronomical Journal, 2020, 159, 251.	4.7	19
42	The integral field spectrograph for the Gemini planet imager. Proceedings of SPIE, 2014, , .	0.8	17
43	An Updated Visual Orbit of the Directly Imaged Exoplanet 51 Eridani b and Prospects for a Dynamical Mass Measurement with Gaia. Astronomical Journal, 2020, 159, 1.	4.7	16
44	Integral Field Spectroscopy of the Low-mass Companion HD 984 B with the Gemini Planet Imager. Astronomical Journal, 2017, 153, 190.	4.7	15
45	Revised astrometric calibration of the Gemini Planet Imager. Journal of Astronomical Telescopes, Instruments, and Systems, 2020, 6, 1.	1.8	15
46	The Gemini planet imager: first light and commissioning. Proceedings of SPIE, 2014, , .	0.8	14
47	On-sky performance during verification and commissioning of the Gemini Planet Imager's adaptive optics system. Proceedings of SPIE, 2014, , .	0.8	14
48	Gemini planet imager observational calibrations VII: on-sky polarimetric performance of the Gemini planet imager. Proceedings of SPIE, 2014, , .	0.8	13
49	First Resolved Scattered-light Images of Four Debris Disks in Scorpius-Centaurus with the Gemini Planet Imager. Astronomical Journal, 2020, 159, 31.	4.7	12
50	H α Emitting Galaxies at $z \sim 0.6$ in the Deep And Wide Narrow-band Survey. Astrophysical Journal, 2018, 858, 96.	4.5	10
51	Imaging the 44 au Kuiper Belt Analog Debris Ring around HD 141569A with GPI Polarimetry. Astronomical Journal, 2020, 159, 53.	4.7	8
52	A Catalog of Emission-line Galaxies from the Faint Infrared Grism Survey: Studying Environmental Influence on Star Formation. Astrophysical Journal, 2020, 888, 79.	4.5	7
53	Asymmetries in adaptive optics point spread functions. Journal of Astronomical Telescopes, Instruments, and Systems, 2019, 5, 1.	1.8	6
54	Spectrophotometric Redshifts in the Faint Infrared Grism Survey: Finding Overdensities of Faint Galaxies. Astrophysical Journal, 2018, 856, 116.	4.5	5

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55	Emission-line Metallicities from the Faint Infrared Grism Survey and VLT/MUSE. <i>Astrophysical Journal</i> , 2019, 874, 125.	4.5	5
56	Detection of a Low-mass Stellar Companion to the Accelerating A2IV Star HR 1645. <i>Astronomical Journal</i> , 2019, 158, 226.	4.7	5
57	Gemini planet imager observational calibrations X: non-redundant masking on GPI. <i>Proceedings of SPIE</i> , 2014, , .	0.8	4
58	Automated alignment and on-sky performance of the Gemini planet imager coronagraph. <i>Proceedings of SPIE</i> , 2014, , .	0.8	3
59	Performance of the Gemini Planet Imager Non-redundant Mask and Spectroscopy of Two Close-separation Binaries: HR 2690 and HD 142527. <i>Astronomical Journal</i> , 2019, 157, 249.	4.7	3
60	A Comprehensive Study of H \pm Emitters at z \hat{A} 0.62 in the DAWN Survey: The Need for Deep and Wide Regions. <i>Astrophysical Journal</i> , 2020, 892, 30.	4.5	3
61	HD 165054: An Astrometric Calibration Field for High-contrast Imagers in Baade's Window. <i>Astronomical Journal</i> , 2020, 159, 244.	4.7	1