Beth A Biller

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/9390653/publications.pdf

Version: 2024-02-01

53	1,697	304743 22	330143 37
papers	citations	h-index	g-index

54	54	54	1289
all docs	docs citations	times ranked	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	A high-contrast search for variability in HR 8799bc with VLT-SPHERE. Monthly Notices of the Royal Astronomical Society, 2021, 503, 743-767.	4.4	17
3	A novel survey for young substellar objects with the W-band filter III: Searching for very low-mass brown dwarfs in Serpens South and Serpens Core. Monthly Notices of the Royal Astronomical Society, 2021, 505, 4215-4234.	4.4	5
4	Revealing the Vertical Cloud Structure of a Young Low-mass Brown Dwarf, an Analog to the Î²-Pictoris b Directly Imaged Exoplanet, through Keck I/MOSFIRE Spectrophotometric Variability. Astronomical Journal, 2021, 162, 179.	4.7	9
5	A wide-orbit giant planet in the high-mass b Centauri binary system. Nature, 2021, 600, 231-234.	27.8	23
6	A Novel Survey for Young Substellar Objects with the W-band Filter. II. The Coolest and Lowest Mass Members of the Serpens-South Star-forming Region. Astrophysical Journal, 2020, 892, 122.	4.5	14
7	A measurement of the wind speed on a brown dwarf. Science, 2020, 368, 169-172.	12.6	29
8	Fragmentation favoured in discs around higher mass stars. Monthly Notices of the Royal Astronomical Society, 2020, 492, 5041-5051.	4.4	14
9	Spitzer Variability Properties of Low-gravity L Dwarfs. Astronomical Journal, 2020, 160, 38.	4.7	37
10	A Wide Planetary-mass Companion to a Young Low-mass Brown Dwarf in Ophiuchus. Astrophysical Journal Letters, 2020, 905, L14.	8.3	12
11	A Tool and Workflow for Radio Astronomical â€œPeelingâ€•in CASA. Research Notes of the AAS, 2019, 3, 110.	0.7	6
12	Orbit and Dynamical Mass of the Late-T Dwarf GL 758 B*. Astronomical Journal, 2018, 155, 159.	4.7	43
13	The UK Centre for Astrobiology: A Virtual Astrobiology Centre. Accomplishments and Lessons Learned, 2011â€“2016. Astrobiology, 2018, 18, 224-243.	3.0	5
14	The Hawaii Infrared Parallax Program. III. 2MASS J0249â€“0557 c: A Wide Planetary-mass Companion to a Low-mass Binary in the Î²ÂPic Moving Group* ^{â€}. Astronomical Journal, 2018, 156, 57.	4.7	26
15	Exoplanet Atmosphere Measurements from Direct Imaging. , 2018, , 2107-2135.		3
16	The LEECH Exoplanet Imaging Survey: Limits on Planet Occurrence Rates under Conservative Assumptions. Astronomical Journal, 2018, 156, 286.	4.7	44
17	Constraining the multiplicity statistics of the coolest brown dwarfs: binary fraction continues to decrease with spectral type. Monthly Notices of the Royal Astronomical Society, 2018, 479, 2702-2727.	4.4	47
18	Variability of the lowest mass objects in the AB Doradus moving group. Monthly Notices of the Royal Astronomical Society, 2018, 474, 1041-1053.	4.4	38

#	Article	IF	Citations
19	Simultaneous Multiwavelength Variability Characterization of the Free-floating Planetary-mass Object PSO J318.5â˜22. Astronomical Journal, 2018, 155, 95.	4.7	49
20	The time domain for brown dwarfs and directly imaged giant exoplanets: the power of variability monitoring. The Astronomical Review, 2017, 13, 1-27.	4.0	46
21	The Viewing Geometry of Brown Dwarfs Influences Their Observed Colors and Variability Amplitudes. Astrophysical Journal, 2017, 842, 78.	4.5	65
22	Exoplanet Atmosphere Measurements from Direct Imaging. , 2017, , 1-28.		2
23	Atmospheric Habitable Zones in Y Dwarf Atmospheres. Astrophysical Journal, 2017, 836, 184.	4.5	37
24	THE LEECH EXOPLANET IMAGING SURVEY: CHARACTERIZATION OF THE COLDEST DIRECTLY IMAGED EXOPLANET, GJ 504 b, AND EVIDENCE FOR SUPERSTELLAR METALLICITY*. Astrophysical Journal, 2016, 817, 166.	4.5	68
25	HIGH-CADENCE, HIGH-CONTRAST IMAGING FOR EXOPLANET MAPPING: OBSERVATIONS OF THE HR 8799 PLANETS WITH VLT/SPHERE SATELLITE-SPOT-CORRECTED RELATIVE PHOTOMETRY. Astrophysical Journal, 2016, 820, 40.	4.5	72
26	Mapping the Distributions of Exoplanet Populations with NICI and GPI. Proceedings of the International Astronomical Union, 2015, 10, 220-225.	0.0	0
27	Cloud Driven Variability on Young Brown Dwarfs and Giant Exoplanets. Proceedings of the International Astronomical Union, 2015, 10, 99-104.	0.0	0
28	CLOUD STRUCTURE OF THE NEAREST BROWN DWARFS. II. HIGH-AMPLITUDE VARIABILITY FOR LUHMAN 16 A AND B IN AND OUT OF THE 0.99Î¼m FeH FEATURE. Astrophysical Journal, 2015, 812, 163.	4.5	38
29	Disc fragmentation rarely forms planetary-mass objects. Monthly Notices of the Royal Astronomical Society, 2015, 454, 1940-1947.	4.4	45
30	VARIABILITY IN A YOUNG, L/T TRANSITION PLANETARY-MASS OBJECT. Astrophysical Journal Letters, 2015, 813, L23.	8.3	60
31	DEEPz-BAND OBSERVATIONS OF THE COOLEST Y DWARF. Astrophysical Journal, 2014, 797, 3.	4.5	12
32	WEATHER ON THE NEAREST BROWN DWARFS: RESOLVED SIMULTANEOUS MULTI-WAVELENGTH VARIABILITY MONITORING OF WISE J104915.57â€“531906.1AB. Astrophysical Journal Letters, 2013, 778, L10.	8.3	92
33	THE GEMINI/NICI PLANET-FINDING CAMPAIGN: THE FREQUENCY OF PLANETS AROUND YOUNG MOVING GROUP STARS. Astrophysical Journal, 2013, 777, 160.	4.5	176
34	Detecting and Characterizing Exoplanets with Direct Imaging: Past, Present, and Future. Proceedings of the International Astronomical Union, 2013, 8, 1-11.	0.0	2
35	The Gemini NICI Planet-Finding Campaign: The Frequency of Giant Planets around Young B and A Stars. Proceedings of the International Astronomical Union, 2013, 8, 60-61.	0.0	0
36	LEECH: A 100 Night Exoplanet Imaging Survey at the LBT. Proceedings of the International Astronomical Union, 2013, 8, 70-71.	0.0	2

#	Article	IF	Citations
37	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
38	A LIKELY CLOSE-IN LOW-MASS STELLAR COMPANION TO THE TRANSITIONAL DISK STAR HD 142527. Astrophysical Journal Letters, 2012, 753, L38.	8.3	163
39	THE GEMINI NICI PLANET-FINDING CAMPAIGN: DISCOVERY OF A CLOSE SUBSTELLAR COMPANION TO THE YOUNG DEBRIS DISK STAR PZ Tel. Astrophysical Journal Letters, 2010, 720, L82-L87.	8.3	112
40	The Gemini NICI Planet-Finding Campaign. Proceedings of SPIE, 2010, , .	0.8	31
41	Performance of the near-infrared coronagraphic imager on Gemini-South. Proceedings of SPIE, 2008, , .	0.8	29
42	NICI: combining coronagraphy, ADI, and SDI. Proceedings of SPIE, 2008, , .	0.8	11
43	Observing strategies for the NICI campaign to directly image extrasolar planets. , 2008, , .		5
44	Contrast limits with the Simultaneous Differential Extrasolar Planet Imager (SDI) at the VLT and MMT. , 2006, 6272, 786.		4
45	A Survey of Close, Young Stars with SDI at the VLT and MMT. Proceedings of the International Astronomical Union, 2005, 1, 53-60.	0.0	0
46	Ground-based direct imaging of extra-solar planets supported by AO. Proceedings of the International Astronomical Union, 2005, 1, 501-506.	0.0	2
47	Suppressing Speckle Noise for Simultaneous Differential Extrasolar Planet Imaging (SDI) at the VLT and MMT. Proceedings of the International Astronomical Union, 2005, 1, 571-576.	0.0	4
48	A novel simultaneous differential imager for the direct imaging of giant planets. , 2004, 5492, 970.		35
49	Chandra X-ray Observatory mirror effective area. , 2004, 5165, 482.		11
50	Suppressing speckle noise for simultaneous differential extrasolar planet imaging (SDI) at the VLT and MMT. , 2004, , .		27
51	Adaptive Optics Science with the MMT Adaptive Secondary: Mid-IR AO Imaging of the Post-AGB Star AC Her. , 0, , 253-260.		0
52	A Search for Variability in Exoplanet Analogues and Low-Gravity Brown Dwarfs. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	39
53	NACO-SDI: A Novel Simultaneous Differential Imager for the Direct Imaging of Giant Extra-Solar Planets. , 0, , 46-52.		8