

Katelyn N Allers

List of Publications by Year in descending order

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Version: 2024-02-01

41
papers

1,752
citations

257450

24
h-index

315739

38
g-index

41
all docs

41
docs citations

41
times ranked

1503
citing authors

#	ARTICLE	IF	CITATIONS
1	The Field Substellar Mass Function Based on the Full-sky 20 pc Census of 525 L, T, and Y Dwarfs. <i>Astrophysical Journal, Supplement Series</i> , 2021, 253, 7.	7.7	87
2	A novel survey for young substellar objects with the <i>W</i> -band filter III: Searching for very low-mass brown dwarfs in Serpens South and Serpens Core. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 505, 4215-4234.	4.4	5
3	New Candidate Extreme T Subdwarfs from the Backyard Worlds: Planet 9 Citizen Science Project. <i>Astrophysical Journal</i> , 2021, 915, 120.	4.5	17
4	Backyard Worlds: Planet 9 Discovery of an Unusual Low-mass Companion to an M Dwarf at 80 pc. <i>Research Notes of the AAS</i> , 2021, 5, 18.	0.7	4
5	Naines brunes. <i>Pourlascience Fr</i> , 2021, N° 531 â€“ janvier, 46-54.	0.0	0
6	WISEA J083011.95+283716.0: A Missing Link Planetary-mass Object. <i>Astrophysical Journal</i> , 2020, 895, 145.	4.5	18
7	A Novel Survey for Young Substellar Objects with the <i>W</i> -band Filter. II. The Coolest and Lowest Mass Members of the Serpens-South Star-forming Region. <i>Astrophysical Journal</i> , 2020, 892, 122.	4.5	14
8	WISE 2150-7520AB: A Very Low-mass, Wide Comoving Brown Dwarf System Discovered through the Citizen Science Project Backyard Worlds: Planet 9*. <i>Astrophysical Journal</i> , 2020, 889, 176.	4.5	22
9	A measurement of the wind speed on a brown dwarf. <i>Science</i> , 2020, 368, 169-172.	12.6	29
10	A Novel Survey for Young Substellar Objects with the <i>W</i> -band Filter. I. Filter Design and New Discoveries in Ophiuchus and Perseus. <i>Publications of the Astronomical Society of the Pacific</i> , 2020, 132, 104401.	3.1	15
11	Observations of Disequilibrium CO Chemistry in the Coldest Brown Dwarfs. <i>Astronomical Journal</i> , 2020, 160, 63.	4.7	42
12	Spitzer Variability Properties of Low-gravity L Dwarfs. <i>Astronomical Journal</i> , 2020, 160, 38.	4.7	37
13	WISEA J041451.67â€“585456.7 and WISEA J181006.18â€“101000.5: The First Extreme T-type Subdwarfs?. <i>Astrophysical Journal</i> , 2020, 898, 77.	4.5	24
14	Spitzer Follow-up of Extremely Cold Brown Dwarfs Discovered by the Backyard Worlds: Planet 9 Citizen Science Project. <i>Astrophysical Journal</i> , 2020, 899, 123.	4.5	28
15	A Wide Planetary-mass Companion to a Young Low-mass Brown Dwarf in Ophiuchus. <i>Astrophysical Journal Letters</i> , 2020, 905, L14.	8.3	12
16	ACRONYM. III. Radial Velocities for 336 Candidate Young Low-mass Stars in the Solar Neighborhood, Including 77 Newly Confirmed Young Moving Group Members. <i>Astronomical Journal</i> , 2019, 157, 234.	4.7	42
17	A 3 Gyr White Dwarf with Warm Dust Discovered via the Backyard Worlds: Planet 9 Citizen Science Project. <i>Astrophysical Journal Letters</i> , 2019, 872, L25.	8.3	28
18	A Tool and Workflow for Radio Astronomical â€œPeelingâ€ in CASA. <i>Research Notes of the AAS</i> , 2019, 3, 110.	0.7	6

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19	2MASS J13243553+6358281 Is an Early T-type Planetary-mass Object in the AB Doradus Moving Group. <i>Astrophysical Journal Letters</i> , 2018, 854, L27.	8.3	25
20	The Hawaii Infrared Parallax Program. III. 2MASS J0249â€“0557 c: A Wide Planetary-mass Companion to a Low-mass Binary in the Î² Pic Moving Group* ^{â€“}. <i>Astronomical Journal</i> , 2018, 156, 57.	4.7	26
21	An L Band Spectrum of the Coldest Brown Dwarf. <i>Astrophysical Journal</i> , 2018, 858, 97.	4.5	39
22	Methane in Analogs of Young Directly Imaged Exoplanets. <i>Astrophysical Journal</i> , 2018, 869, 18.	4.5	21
23	Constraining the multiplicity statistics of the coolest brown dwarfs: binary fraction continues to decrease with spectral type. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 479, 2702-2727.	4.4	47
24	Variability of the lowest mass objects in the AB Doradus moving group. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 474, 1041-1053.	4.4	38
25	Simultaneous Multiwavelength Variability Characterization of the Free-floating Planetary-mass Object PSO J318.5âˆ“22. <i>Astronomical Journal</i> , 2018, 155, 95.	4.7	49
26	The Viewing Geometry of Brown Dwarfs Influences Their Observed Colors and Variability Amplitudes. <i>Astrophysical Journal</i> , 2017, 842, 78.	4.5	65
27	All-sky Co-moving Recovery Of Nearby Young Members (ACRONYM). II. The Î² Pictoris Moving Group^{âˆ“}. <i>Astronomical Journal</i> , 2017, 154, 69.	4.7	84
28	THE FIRST SPECTRUM OF THE COLDEST BROWN DWARF. <i>Astrophysical Journal Letters</i> , 2016, 826, L17.	8.3	46
29	THE HAWAII INFRARED PARALLAX PROGRAM. II. YOUNG ULTRACOOL FIELD DWARFS* â€“. <i>Astrophysical Journal</i> , 2016, 833, 96.	4.5	166
30	What Do Young Brown Dwarfs Tell Us About Exoplanets?. <i>Proceedings of the International Astronomical Union</i> , 2015, 10, 226-231.	0.0	0
31	TWO TRANSITING EARTH-SIZE PLANETS NEAR RESONANCE ORBITING A NEARBY COOL STAR. <i>Astrophysical Journal</i> , 2015, 811, 102.	4.5	75
32	WISEP J004701.06+680352.1: AN INTERMEDIATE SURFACE GRAVITY, DUSTY BROWN DWARF IN THE AB DOR MOVING GROUP. <i>Astrophysical Journal</i> , 2015, 799, 203.	4.5	54
33	ON THE BINARY FREQUENCY OF THE LOWEST MASS MEMBERS OF THE PLEIADES WITH<i>HUBBLE SPACE TELESCOPE</i> WIDE FIELD CAMERA 3. <i>Astrophysical Journal</i> , 2015, 804, 65.	4.5	9
34	PLANETS AROUND LOW-MASS STARS (PALMS). V. AGE-DATING LOW-MASS COMPANIONS TO MEMBERS AND INTERLOPERS OF YOUNG MOVING GROUPS. <i>Astrophysical Journal</i> , 2015, 806, 62.	4.5	27
35	VARIABILITY IN A YOUNG, L/T TRANSITION PLANETARY-MASS OBJECT. <i>Astrophysical Journal Letters</i> , 2015, 813, L23.	8.3	60
36	A STELLAR CENSUS OF THE TUCANA-HOROLOGIUM MOVING GROUP. <i>Astronomical Journal</i> , 2014, 147, 146.	4.7	165

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37	THE EXTREMELY RED, YOUNG L DWARF PSO J318.5338â€“22.8603: A FREE-FLOATING PLANETARY-MASS ANALOG TO DIRECTLY IMAGED YOUNG GAS-GIANT PLANETS. <i>Astrophysical Journal Letters</i> , 2013, 777, L20.	8.3	203
38	Brown Dwarf Binaries. <i>Proceedings of the International Astronomical Union</i> , 2011, 7, 105-110.	0.0	1
39	A KECK LGS AO SEARCH FOR BROWN DWARF AND PLANETARY MASS COMPANIONS TO UPPER SCORPIUS BROWN DWARFS. <i>Astrophysical Journal</i> , 2011, 730, 39.	4.5	55
40	A <i>SPITZER</i> SEARCH FOR PLANETARY-MASS BROWN DWARFS WITH CIRCUMSTELLAR DISKS: CANDIDATE SELECTION. <i>Astrophysical Journal</i> , 2010, 720, 1374-1379.	4.5	28
41	A Search for Variability in Exoplanet Analogues and Low-Gravity Brown Dwarfs. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , .	4.4	39