

# Aaron M Meisner

## List of Publications by Year in descending order

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Version: 2024-02-01

53  
papers

2,595  
citations

236925

25  
h-index

182427

51  
g-index

53  
all docs

53  
docs citations

53  
times ranked

3940  
citing authors

#	ARTICLE	IF	CITATIONS
1	Discovery of CWISE J052306.42âˆ“015355.4, an Extreme T Subdwarf Candidate. <i>Astronomical Journal</i> , 2022, 163, 47.	4.7	4
2	Discovery of 16 New Members of the Solar Neighborhood Using Proper Motions from CatWISE2020. <i>Astronomical Journal</i> , 2022, 163, 116.	4.7	4
3	CWISE J014611.20â€“050850.0AB: The Widest Known Brown Dwarf Binary in the Field. <i>Astrophysical Journal Letters</i> , 2022, 926, L12.	8.3	5
4	Eight-year Full-depth unWISE Coadds. <i>Research Notes of the AAS</i> , 2022, 6, 62.	0.7	3
5	WDJ220838.73+454434.04: a White Dwarf Companion in the AR Lacertae System. <i>Research Notes of the AAS</i> , 2022, 6, 127.	0.7	1
6	Discovery of 34 Low-mass Comoving Systems Using NOIRLab Source Catalog DR2. <i>Astronomical Journal</i> , 2022, 164, 3.	4.7	5
7	The CatWISE2020 Catalog. <i>Astrophysical Journal, Supplement Series</i> , 2021, 253, 8.	7.7	131
8	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
9	Discovering New Strong Gravitational Lenses in the DESI Legacy Imaging Surveys. <i>Astrophysical Journal</i> , 2021, 909, 27.	4.5	38
10	Second Data Release of the All-sky NOIRLab Source Catalog. <i>Astronomical Journal</i> , 2021, 161, 192.	4.7	26
11	Identification of a Low-mass Companion to the White Dwarf SDSS J131730.84+483332.7. <i>Research Notes of the AAS</i> , 2021, 5, 76.	0.7	4
12	The Enigmatic Brown Dwarf WISEA J153429.75-104303.3 (a.k.a. â€œThe Accidentâ€). <i>Astrophysical Journal Letters</i> , 2021, 915, L6.	8.3	11
13	Six-year Static Sky unWISE Coadds. <i>Research Notes of the AAS</i> , 2021, 5, 168.	0.7	3
14	New Candidate Extreme T Subdwarfs from the Backyard Worlds: Planet 9 Citizen Science Project. <i>Astrophysical Journal</i> , 2021, 915, 120.	4.5	17
15	Discovery of a Low-mass Comoving System Using NOIRLab Source Catalog DR2. <i>Research Notes of the AAS</i> , 2021, 5, 196.	0.7	2
16	Full-sky unWISE Coadds at Seven Yearsâ€™ Depth. <i>Research Notes of the AAS</i> , 2021, 5, 200.	0.7	4
17	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
18	Ross 19B: An Extremely Cold Companion Discovered via the Backyard Worlds: Planet 9 Citizen Science Project. <i>Astrophysical Journal</i> , 2021, 921, 140.	4.5	9

#	ARTICLE	IF	CITATIONS
19	A Wide Planetary Mass Companion Discovered through the Citizen Science Project Backyard Worlds: Planet 9. <i>Astrophysical Journal</i> , 2021, 923, 48.	4.5	9
20	Improved Infrared Photometry and a Preliminary Parallax Measurement for the Extremely Cold Brown Dwarf CWISEP J144606.62-231717.8. <i>Astrophysical Journal Letters</i> , 2020, 888, L19.	8.3	11
21	WISEA J083011.95+283716.0: A Missing Link Planetary-mass Object. <i>Astrophysical Journal</i> , 2020, 895, 145.	4.5	18
22	Finding Strong Gravitational Lenses in the DESI DECam Legacy Survey. <i>Astrophysical Journal</i> , 2020, 894, 78.	4.5	51
23	A Mildly Relativistic Outflow from the Energetic, Fast-rising Blue Optical Transient CSS161010 in a Dwarf Galaxy. <i>Astrophysical Journal Letters</i> , 2020, 895, L23.	8.3	70
24	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
25	The CatWISE Preliminary Catalog: Motions from WISE and NEOWISE Data. <i>Astrophysical Journal, Supplement Series</i> , 2020, 247, 69.	7.7	63
26	Discovery of a Nearby Young Brown Dwarf Disk. <i>Astronomical Journal</i> , 2020, 160, 156.	4.7	3
27	Expanding the Y Dwarf Census with Spitzer Follow-up of the Coldest CatWISE Solar Neighborhood Discoveries. <i>Astrophysical Journal</i> , 2020, 889, 74.	4.5	26
28	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
29	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
30	Preliminary Target Selection for the DESI Quasar (QSO) Sample. <i>Research Notes of the AAS</i> , 2020, 4, 179.	0.7	38
31	Preliminary Target Selection for the DESI Emission Line Galaxy (ELG) Sample. <i>Research Notes of the AAS</i> , 2020, 4, 180.	0.7	34
32	Preliminary Target Selection for the DESI Luminous Red Galaxy (LRG) Sample. <i>Research Notes of the AAS</i> , 2020, 4, 181.	0.7	46
33	Preliminary Target Selection for the DESI Milky Way Survey (MWS). <i>Research Notes of the AAS</i> , 2020, 4, 188.	0.7	38
34	Preliminary Target Selection for the DESI Bright Galaxy Survey (BGS). <i>Research Notes of the AAS</i> , 2020, 4, 187.	0.7	40
35	Dynamic Observing and Tiling Strategies for the DESI Legacy Surveys. <i>Astronomical Journal</i> , 2020, 160, 61.	4.7	3
36	CWISEP J193518.59â€“154620.3: An Extremely Cold Brown Dwarf in the Solar Neighborhood Discovered with CatWISE. <i>Astrophysical Journal</i> , 2019, 881, 17.	4.5	17

#	ARTICLE	IF	CITATIONS
37	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
38	Overview of the DESI Legacy Imaging Surveys. <i>Astronomical Journal</i> , 2019, 157, 168.	4.7	825
39	The unWISE Catalog: Two Billion Infrared Sources from Five Years of <i>WISE</i> Imaging. <i>Astrophysical Journal, Supplement Series</i> , 2019, 240, 30.	7.7	182
40	The DECam Plane Survey: Optical Photometry of Two Billion Objects in the Southern Galactic Plane. <i>Astrophysical Journal, Supplement Series</i> , 2018, 234, 39.	7.7	111
41	A Search for Planet Nine at 3.4 $\mu$ m with WISE and NEOWISE. <i>Astronomical Journal</i> , 2018, 155, 166.	4.7	14
42	A Mid-IR Selected Changing-look Quasar and Physical Scenarios for Abrupt AGN Fading. <i>Astrophysical Journal</i> , 2018, 864, 27.	4.5	109
43	Time-resolved WISE/NEOWISE Coadds. <i>Astronomical Journal</i> , 2018, 156, 69.	4.7	49
44	Another unWISE Update: The Deepest Ever Full-sky Maps at 3.4 $\mu$ m. <i>Research Notes of the AAS</i> , 2018, 2, 1.7	4.7	26
45	A Secure W2 Detection of WD 0806-661B from CatWISE. <i>Research Notes of the AAS</i> , 2018, 2, 140.	0.7	2
46	More unWISE Coadd Epochs from 2016 NEOWISE-reactivation Imaging. <i>Research Notes of the AAS</i> , 2018, 2, 202.	0.7	17
47	The First Brown Dwarf Discovered by the Backyard Worlds: Planet 9 Citizen Science Project. <i>Astrophysical Journal Letters</i> , 2017, 841, L19.	8.3	59
48	Deep Full-sky Coadds from Three Years of WISE and NEOWISE Observations. <i>Astronomical Journal</i> , 2017, 154, 161.	4.7	70
49	MODELING THERMAL DUST EMISSION WITH TWO COMPONENTS: APPLICATION TO THE <i>PLANCK</i> HIGH FREQUENCY INSTRUMENT MAPS. <i>Astrophysical Journal</i> , 2015, 798, 88.	4.5	76
50	A FULL-SKY, HIGH-RESOLUTION ATLAS OF GALACTIC 12 $\mu$ m DUST EMISSION WITH <i>WISE</i> . <i>Astrophysical Journal</i> , 2014, 781, 5.	4.5	60
51	THE METALLICITY OF THE MONOCEROS STREAM. <i>Astrophysical Journal</i> , 2012, 753, 116.	4.5	18
52	Multilayered Monolithic Silicon Photonic Crystals. <i>IEEE Photonics Technology Letters</i> , 2011, 23, 730-732.	2.5	7
53	IMAGING REDSHIFT ESTIMATES FOR BL LACERTAE OBJECTS. <i>Astrophysical Journal</i> , 2010, 712, 14-25.	4.5	43