

Michael C Cushing

List of Publications by Year in descending order

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73
papers

5,922
citations

87888

38
h-index

79698

73
g-index

74
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74
docs citations

74
times ranked

3384
citing authors

#	ARTICLE	IF	CITATIONS
1	THE INFRARED TELESCOPE FACILITY (IRTF) SPECTRAL LIBRARY: COOL STARS. <i>Astrophysical Journal</i> , Supplement Series, 2009, 185, 289-432.	7.7	574
2	An Infrared Spectroscopic Sequence of M, L, and T Dwarfs. <i>Astrophysical Journal</i> , 2005, 623, 1115-1140.	4.5	507
3	THE FIRST HUNDRED BROWN DWARFS DISCOVERED BY THE <i>WIDE-FIELD INFRARED SURVEY EXPLORER</i> (<i>WISE</i>). <i>Astrophysical Journal</i> , Supplement Series, 2011, 197, 19.	7.7	317
4	THE DISCOVERY OF Y DWARFS USING DATA FROM THE<i>WIDE-FIELD INFRARED SURVEY EXPLORER</i> (<i>WISE</i>). <i>Astrophysical Journal</i> , 2011, 743, 50.	4.5	303
5	THE 0.8-14.5 $\hat{1}/4$ m SPECTRA OF MID-L TO MID-T DWARFS: DIAGNOSTICS OF EFFECTIVE TEMPERATURE, GRAIN SEDIMENTATION, GAS TRANSPORT, AND SURFACE GRAVITY. <i>Astrophysical Journal</i> , 2009, 702, 154-170.	4.5	297
6	FURTHER DEFINING SPECTRAL TYPE \hat{a} AND EXPLORING THE LOW-MASS END OF THE FIELD BROWN DWARF MASS FUNCTION. <i>Astrophysical Journal</i> , 2012, 753, 156.	4.5	276
7	DISCOVERIES FROM A NEAR-INFRARED PROPER MOTION SURVEY USING MULTI-EPOCH TWO MICRON ALL-SKY SURVEY DATA. <i>Astrophysical Journal</i> , Supplement Series, 2010, 190, 100-146.	7.7	228
8	MASSES, RADII, AND CLOUD PROPERTIES OF THE HR 8799 PLANETS. <i>Astrophysical Journal</i> , 2012, 754, 135.	4.5	217
9	A T8.5 BROWN DWARF MEMBER OF THE $\hat{1}/4$ URSAE MAJORIS SYSTEM. <i>Astronomical Journal</i> , 2013, 145, 84.	4.7	211
10	SpeX SPECTROSCOPY OF UNRESOLVED VERY LOW MASS BINARIES. I. IDENTIFICATION OF 17 CANDIDATE BINARIES STRADDLING THE L DWARF/T DWARF TRANSITION. <i>Astrophysical Journal</i> , 2010, 710, 1142-1169.	4.5	209
11	ASpitzerInfrared Spectrograph Spectral Sequence of M, L, and T Dwarfs. <i>Astrophysical Journal</i> , 2006, 648, 614-628.	4.5	156
12	The CatWISE2020 Catalog. <i>Astrophysical Journal</i> , Supplement Series, 2021, 253, 8.	7.7	131
13	Discovery of Two Nearby Peculiar L Dwarfs from the 2MASS Properâ€Motion Survey: Young or Metalâ€Rich?. <i>Astrophysical Journal</i> , 2008, 686, 528-541.	4.5	122
14	THE ALLWISE MOTION SURVEY AND THE QUEST FOR COLD SUBDWARFS. <i>Astrophysical Journal</i> , 2014, 783, 122.	4.5	118
15	Kepler Planet Occurrence Rates for Mid-type M Dwarfs as a Function of Spectral Type. <i>Astronomical Journal</i> , 2019, 158, 75.	4.7	112
16	A STUDY OF THE DIVERSE T DWARF POPULATION REVEALED BY <i>WISE</i>. <i>Astrophysical Journal</i> , Supplement Series, 2013, 205, 6.	7.7	107
17	The Field Substellar Mass Function Based on the Full-sky 20 pc Census of 525 L, T, and Y Dwarfs. <i>Astrophysical Journal</i> , Supplement Series, 2021, 253, 7.	7.7	87
18	THE FIRST ULTRA-COOL BROWN DWARF DISCOVERED BY THE WIDE-FIELD INFRARED SURVEY EXPLORER. <i>Astrophysical Journal</i> , 2011, 726, 30.	4.5	85

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19	Preliminary Trigonometric Parallaxes of 184 Late-T and Y Dwarfs and an Analysis of the Field Substellar Mass Function into the “Planetary”-Mass Regime. <i>Astrophysical Journal, Supplement Series</i> , 2019, 240, 19.	7.7	83
20	<i>WISE</i> Y DWARFS AS PROBES OF THE BROWN DWARF-EXOPLANET CONNECTION. <i>Astrophysical Journal</i> , 2014, 783, 68.	4.5	82
21	DISCOVERY OF THE YOUNG L DWARF WISE J174102.78+464225.5. <i>Astronomical Journal</i> , 2014, 147, 34.	4.7	75
22	THE PHYSICAL PROPERTIES OF FOUR ~ 600 K T DWARFS. <i>Astrophysical Journal</i> , 2009, 695, 1517-1526.	4.5	72
23	THE ALLWISE MOTION SURVEY, PART 2. <i>Astrophysical Journal, Supplement Series</i> , 2016, 224, 36.	7.7	70
24	WISE BROWN DWARF BINARIES: THE DISCOVERY OF A T5+T5 AND A T8.5+T9 SYSTEM. <i>Astronomical Journal</i> , 2011, 142, 57.	4.7	67
25	<i>HUBBLE SPACE TELESCOPE</i> SPECTROSCOPY OF BROWN DWARFS DISCOVERED WITH THE WIDE-FIELD INFRARED SURVEY EXPLORER. <i>Astrophysical Journal</i> , 2015, 804, 92.	4.5	67
26	PARALLAXES AND PROPER MOTIONS OF ULTRACOOL BROWN DWARFS OF SPECTRAL TYPES Y AND LATE T. <i>Astrophysical Journal</i> , 2013, 762, 119.	4.5	63
27	The CatWISE Preliminary Catalog: Motions from WISE and NEOWISE Data. <i>Astrophysical Journal, Supplement Series</i> , 2020, 247, 69.	7.7	63
28	THE COLDEST BROWN DWARF (OR FREE-FLOATING PLANET)?: THE Y DWARF WISE 1828+2650. <i>Astrophysical Journal</i> , 2013, 764, 101.	4.5	59
29	Nearby M, L, and T Dwarfs Discovered by the <i>Wide-field Infrared Survey Explorer</i> (<i>WISE</i>). <i>Publications of the Astronomical Society of the Pacific</i> , 2013, 125, 809-837.	3.1	59
30	WISE J114724.10-204021.3: A FREE-FLOATING PLANETARY MASS MEMBER OF THE TW HYA ASSOCIATION. <i>Astrophysical Journal Letters</i> , 2016, 822, L1.	8.3	59
31	AN INFRARED HIGH PROPER MOTION SURVEY USING THE 2MASS AND SDSS: DISCOVERY OF M, L, AND T DWARFS. <i>Astronomical Journal</i> , 2009, 137, 304-314.	4.7	53
32	THE EXEMPLAR T8 SUBDWARF COMPANION OF WOLF 1130. <i>Astrophysical Journal</i> , 2013, 777, 36.	4.5	53
33	WISE J163940.83+684738.6: A Y DWARF IDENTIFIED BY METHANE IMAGING. <i>Astrophysical Journal</i> , 2012, 759, 60.	4.5	52
34	2MASS J09393548-2448279: The Coldest and Least Luminous Brown Dwarf Binary Known?. <i>Astrophysical Journal</i> , 2008, 689, L53-L56.	4.5	49
35	PHOTOMETRIC MONITORING OF THE COLDEST KNOWN BROWN DWARF WITH THE SPITZER SPACE TELESCOPE*. <i>Astrophysical Journal</i> , 2016, 832, 58.	4.5	47
36	THREE NEW COOL BROWN DWARFS DISCOVERED WITH THE <i>WIDE-FIELD INFRARED SURVEY EXPLORER</i> (<i>WISE</i>) AND AN IMPROVED SPECTRUM OF THE Y0 DWARF WISE J041022.71+150248.4. <i>Astronomical Journal</i> , 2014, 147, 113.	4.7	43

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37	A PROPER MOTION SURVEY USING THE FIRST SKY PASS OF NEOWISE-REACTIVATION DATA. <i>Astrophysical Journal</i> , 2016, 817, 112.	4.5	43
38	THE FIRST DETECTION OF PHOTOMETRIC VARIABILITY IN A Y DWARF: WISE J140518.39+553421.3. <i>Astrophysical Journal</i> , 2016, 823, 152.	4.5	42
39	HN Peg B: A Test of Models of the L to T Dwarf Transition. <i>Astrophysical Journal</i> , 2008, 682, 1256-1263.	4.5	41
40	Trigonometric Parallaxes for Two Late-type Subdwarfs: LSR 1425+71 (sdM8.0) and the Binary LSR 1610+00 (sdM6pec). <i>Astrophysical Journal</i> , 2008, 686, 548-559.	4.5	38
41	DISCOVERY OF THE Y1 DWARF WISE J064723.23+623235.5. <i>Astrophysical Journal</i> , 2013, 776, 128.	4.5	37
42	A 2MASS/ALLWISE Search for Extremely Red L Dwarfs: The Discovery of Several Likely L Type Members of $\hat{\imath}^2$ Pic, AB Dor, Tuc-Hor, Argus, and the Hyades. <i>Astronomical Journal</i> , 2017, 153, 196.	4.7	35
43	Radii of 88 M Subdwarfs and Updated Radius Relations for Low-metallicity M-dwarf Stars. <i>Astronomical Journal</i> , 2019, 157, 63.	4.7	35
44	FIRE SPECTROSCOPY OF FIVE LATE-TYPE T DWARFS DISCOVERED WITH THE WIDE-FIELD INFRARED SURVEY EXPLORER. <i>Astrophysical Journal</i> , 2011, 735, 116.	4.5	34
45	OBSERVED VARIABILITY AT 1 and 4 $\hat{\imath}$ ¼m IN THE YO BROWN DWARF WISEP J173835.52+273258.9. <i>Astrophysical Journal</i> , 2016, 830, 141.	4.5	30
46	<i>SPITZER</i>PHOTOMETRY OF<i>WISE</i>-SELECTED BROWN DWARF AND HYPER-LUMINOUS INFRARED GALAXY CANDIDATES. <i>Astronomical Journal</i> , 2012, 144, 148.	4.7	29
47	NEOWISE-R OBSERVATION OF THE COOLEST KNOWN BROWN DWARF. <i>Astronomical Journal</i> , 2014, 148, 82.	4.7	29
48	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
49	PROPERTIES OF THE T8.5 DWARF WOLF 940 B. <i>Astrophysical Journal</i> , 2010, 720, 252-258.	4.5	26
50	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
51	Y Dwarf Trigonometric Parallaxes from the Spitzer Space Telescope. <i>Astrophysical Journal</i> , 2018, 867, 109.	4.5	25
52	WISEA J041451.67+585456.7 and WISEA J181006.18+101000.5: The First Extreme T-type Subdwarfs?. <i>Astrophysical Journal</i> , 2020, 898, 77.	4.5	24
53	RESOLVED SPECTROSCOPY OF A BROWN DWARF BINARY AT THE T DWARF/Y DWARF TRANSITION. <i>Astrophysical Journal</i> , 2012, 745, 26.	4.5	20
54	iSHELL: a 1+5 micron R = 80,000 Immersion Grating Spectrograph for the NASA Infrared Telescope Facility. <i>Publications of the Astronomical Society of the Pacific</i> , 2022, 134, 015002.	3.1	20

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55	New Y and T Dwarfs from <i>WISE</i> Identified by Methane Imaging. <i>Astrophysical Journal</i> , Supplement Series, 2018, 236, 28.	7.7	19
56	THE COLLAPSE OF THE WIEN TAIL IN THE COLDEST BROWN DWARF? HUBBLE SPACE TELESCOPE NEAR-INFRARED PHOTOMETRY OF WISE J085510.83+071442.5. <i>Astrophysical Journal Letters</i> , 2016, 823, L35.	8.3	17
57	CWISEP J193518.59+154620.3: An Extremely Cold Brown Dwarf in the Solar Neighborhood Discovered with CatWISE. <i>Astrophysical Journal</i> , 2019, 881, 17.	4.5	17
58	New Candidate Extreme T Subdwarfs from the Backyard Worlds: Planet 9 Citizen Science Project. <i>Astrophysical Journal</i> , 2021, 915, 120.	4.5	17
59	Fast Outflows in Hot Dust-obscured Galaxies Detected with Keck/NIRES. <i>Astrophysical Journal</i> , 2020, 905, 16.	4.5	17
60	Spitzer Light Curves of the Young, Planetary-mass TW Hya Members 2MASS J11193254+1137466AB and WISEA J114724.10+204021.3. <i>Astronomical Journal</i> , 2018, 155, 238.	4.7	15
61	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
62	The Enigmatic Brown Dwarf WISEA J153429.75-104303.3 (a.k.a. "The Accident"). <i>Astrophysical Journal Letters</i> , 2021, 915, L6.	8.3	11
63	Spectroscopic Follow-up of Discoveries from the NEOWISE Proper Motion Survey. <i>Astronomical Journal</i> , 2019, 158, 182.	4.7	11
64	An Improved Near-infrared Spectrum of the Archetype Y Dwarf WISEP J182831.08+265037.8. <i>Astrophysical Journal</i> , 2021, 920, 20.	4.5	9
65	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
66	SpeX Near-infrared Spectroscopic Extinction Curves in the Milky Way. <i>Astrophysical Journal</i> , 2022, 930, 15.	4.5	8
67	Spectroscopic Confirmation That 2MASS J07414279+0506464 Is a Mid-type L Dwarf. <i>Research Notes of the AAS</i> , 2018, 2, 50.	0.7	6
68	Science Commissioning of NIHTS: The Near-infrared High Throughput Spectrograph on the Lowell Discovery Telescope. <i>Publications of the Astronomical Society of the Pacific</i> , 2021, 133, 035001.	3.1	5
69	CWISE J014611.20+050850.0AB: The Widest Known Brown Dwarf Binary in the Field. <i>Astrophysical Journal Letters</i> , 2022, 926, L12.	8.3	5
70	DISCOVERY OF A POSSIBLE COOL WHITE DWARF COMPANION FROM THE ALLWISE MOTION SURVEY. <i>Astrophysical Journal</i> , 2016, 832, 62.	4.5	4
71	A Secure W2 Detection of WD 0806-661B from CatWISE. <i>Research Notes of the AAS</i> , 2018, 2, 140.	0.7	2
72	NIRSPEC L-band Spectra of 11 L and T Dwarfs. <i>Research Notes of the AAS</i> , 2019, 3, 52.	0.7	2

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73	Substellar Hyades Candidates from the UKIRT Hemisphere Survey. <i>Astronomical Journal</i> , 2022, 163, 242.	4.7	2