

Adam Burgasser

List of Publications by Year in descending order

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293
papers

24,891
citations

6254

80
h-index

8396

147
g-index

296
all docs

296
docs citations

296
times ranked

9582
citing authors

#	ARTICLE	IF	CITATIONS
1	Seven temperate terrestrial planets around the nearby ultracool dwarf star TRAPPIST-1. <i>Nature</i> , 2017, 542, 456-460.	27.8	1,144
2	Sloan Digital Sky Survey IV: Mapping the Milky Way, Nearby Galaxies, and the Distant Universe. <i>Astronomical Journal</i> , 2017, 154, 28.	4.7	1,100
3	The 16th Data Release of the Sloan Digital Sky Surveys: First Release from the APOGEE-2 Southern Survey and Full Release of eBOSS Spectra. <i>Astrophysical Journal, Supplement Series</i> , 2020, 249, 3.	7.7	826
4	The Fourteenth Data Release of the Sloan Digital Sky Survey: First Spectroscopic Data from the Extended Baryon Oscillation Spectroscopic Survey and from the Second Phase of the Apache Point Observatory Galactic Evolution Experiment. <i>Astrophysical Journal, Supplement Series</i> , 2018, 235, 42.	7.7	796
5	Astrometry and Photometry for Cool Dwarfs and Brown Dwarfs. <i>Astronomical Journal</i> , 2002, 124, 1170-1189.	4.7	522
6	Temperate Earth-sized planets transiting a nearby ultracool dwarf star. <i>Nature</i> , 2016, 533, 221-224.	27.8	507
7	67 Additional L Dwarfs Discovered by the Two Micron All Sky Survey. <i>Astronomical Journal</i> , 2000, 120, 447-472.	4.7	497
8	The Seventeenth Data Release of the Sloan Digital Sky Surveys: Complete Release of MaNGA, MaStar, and APOGEE-2 Data. <i>Astrophysical Journal, Supplement Series</i> , 2022, 259, 35.	7.7	405
9	A Unified Near-Infrared Spectral Classification Scheme for T Dwarfs. <i>Astrophysical Journal</i> , 2006, 637, 1067-1093.	4.5	377
10	The Spectra of T Dwarfs. I. Near-Infrared Data and Spectral Classification. <i>Astrophysical Journal</i> , 2002, 564, 421-451.	4.5	364
11	Binarity in Brown Dwarfs: T Dwarf Binaries Discovered with the Hubble Space Telescope Wide Field Planetary Camera 2. <i>Astrophysical Journal</i> , 2003, 586, 512-526.	4.5	355
12	Preliminary Parallaxes of 40 L and T Dwarfs from the US Naval Observatory Infrared Astrometry Program. <i>Astronomical Journal</i> , 2004, 127, 2948-2968.	4.7	353
13	Brown Dwarf Companions to G-Type Stars. I. Gliese 417B and Gliese 584C. <i>Astronomical Journal</i> , 2001, 121, 3235-3253.	4.7	320
14	THE FIRST HUNDRED BROWN DWARFS DISCOVERED BY THE WIDE-FIELD INFRARED SURVEY EXPLORER (WISE). <i>Astrophysical Journal, Supplement Series</i> , 2011, 197, 19.	7.7	317
15	THE DISCOVERY OF Y DWARFS USING DATA FROM THE WIDE-FIELD INFRARED SURVEY EXPLORER (WISE). <i>Astrophysical Journal</i> , 2011, 743, 50.	4.5	303
16	The Fifteenth Data Release of the Sloan Digital Sky Surveys: First Release of MaNGA-derived Quantities, Data Visualization Tools, and Stellar Library. <i>Astrophysical Journal, Supplement Series</i> , 2019, 240, 23.	7.7	299
17	FURTHER DEFINING SPECTRAL TYPE AND EXPLORING THE LOW-MASS END OF THE FIELD BROWN DWARF MASS FUNCTION. <i>Astrophysical Journal</i> , 2012, 753, 156.	4.5	276
18	The NIRSPEC Brown Dwarf Spectroscopic Survey. I. Low-Resolution Near-Infrared Spectra. <i>Astrophysical Journal</i> , 2003, 596, 561-586.	4.5	271

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19	A seven-planet resonant chain in TRAPPIST-1. <i>Nature Astronomy</i> , 2017, 1, .	10.1	263
20	Meeting the Cool Neighbors. IX. The Luminosity Function of M7-L8 Ultracool Dwarfs in the Field. <i>Astronomical Journal</i> , 2007, 133, 439-467.	4.7	262
21	Science with the Murchison Widefield Array. <i>Publications of the Astronomical Society of Australia</i> , 2013, 30, .	3.4	260
22	The 2MASS Wide-Field T Dwarf Search. III. Seven New T Dwarfs and Other Cool Dwarf Discoveries. <i>Astronomical Journal</i> , 2004, 127, 2856-2870.	4.7	255
23	The nature of the TRAPPIST-1 exoplanets. <i>Astronomy and Astrophysics</i> , 2018, 613, A68.	5.1	246
24	YOUNG L DWARFS IDENTIFIED IN THE FIELD: A PRELIMINARY LOW-GRAVITY, OPTICAL SPECTRAL SEQUENCE FROM L0 TO L5. <i>Astronomical Journal</i> , 2009, 137, 3345-3357.	4.7	238
25	THE BROWN DWARF KINEMATICS PROJECT I. PROPER MOTIONS AND TANGENTIAL VELOCITIES FOR A LARGE SAMPLE OF LATE-TYPE M, L, AND T DWARFS. <i>Astronomical Journal</i> , 2009, 137, 1-18.	4.7	237
26	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
27	THE BROWN DWARF KINEMATICS PROJECT (BDKP). III. PARALLAXES FOR 70 ULTRACOOOL DWARFS. <i>Astrophysical Journal</i> , 2012, 752, 56.	4.5	225
28	LOW-MASS TERTIARY COMPANIONS TO SPECTROSCOPIC BINARIES. I. COMMON PROPER MOTION SURVEY FOR WIDE COMPANIONS USING 2MASS. <i>Astronomical Journal</i> , 2012, 144, 62.	4.7	216
29	The APOGEE-2 Survey of the Orion Star-forming Complex. II. Six-dimensional Structure. <i>Astronomical Journal</i> , 2018, 156, 84.	4.7	216
30	Evidence of Cloud Disruption in the L/T Dwarf Transition. <i>Astrophysical Journal</i> , 2002, 571, L151-L154.	4.5	212
31	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
32	WEATHER ON OTHER WORLDS. II. SURVEY RESULTS: SPOTS ARE UBIQUITOUS ON L AND T DWARFS. <i>Astrophysical Journal</i> , 2015, 799, 154.	4.5	206
33	Infrared Parallaxes for Methane T Dwarfs. <i>Astronomical Journal</i> , 2003, 126, 975-992.	4.7	204
34	Discovery of a Brown Dwarf Companion to Gliese 570ABC: A 2MASS T Dwarf Significantly Cooler than Gliese 229B. <i>Astrophysical Journal</i> , 2000, 531, L57-L60.	4.5	191
35	Discovery of a Very Young Field L Dwarf, 2MASS J01415823âˆƒ4633574. <i>Astrophysical Journal</i> , 2006, 639, 1120-1128.	4.5	185
36	Discovery of Four Field Methane (T-Type) Dwarfs with the Two Micron All-Sky Survey. <i>Astrophysical Journal</i> , 1999, 522, L65-L68.	4.5	181

#	ARTICLE	IF	CITATIONS
37	Hubble Space Telescope NICMOS Observations of T Dwarfs: Brown Dwarf Multiplicity and New Probes of the L/T Transition. <i>Astrophysical Journal, Supplement Series</i> , 2006, 166, 585-612.	7.7	179
38	Atmospheric reconnaissance of the habitable-zone Earth-sized planets orbiting TRAPPIST-1. <i>Nature Astronomy</i> , 2018, 2, 214-219.	10.1	179
39	A Sample of Very Young Field L Dwarfs and Implications for the Brown Dwarf "Lithium Test" at Early Ages. <i>Astrophysical Journal</i> , 2008, 689, 1295-1326.	4.5	176
40	FIRE: A Facility Class Near-Infrared Echelle Spectrometer for the Magellan Telescopes. <i>Publications of the Astronomical Society of the Pacific</i> , 2013, 125, 270-286.	3.1	168
41	The First Substellar Subdwarf? Discovery of a Metal-poor L Dwarf with Halo Kinematics. <i>Astrophysical Journal</i> , 2003, 592, 1186-1192.	4.5	164
42	Hubble Space Telescope Observations of Binary Very Low Mass Stars and Brown Dwarfs. <i>Astronomical Journal</i> , 2003, 125, 3302-3310.	4.7	163
43	Refining the Transit-timing and Photometric Analysis of TRAPPIST-1: Masses, Radii, Densities, Dynamics, and Ephemerides. <i>Planetary Science Journal</i> , 2021, 2, 1.	3.6	161
44	Near-Infrared Spectral Classification of Late M and L Dwarfs. <i>Astronomical Journal</i> , 2001, 121, 1710-1721.	4.7	159
45	A combined transmission spectrum of the Earth-sized exoplanets TRAPPIST-1 b and c. <i>Nature</i> , 2016, 537, 69-72.	27.8	157
46	BANYAN. VII. A NEW POPULATION OF YOUNG SUBSTELLAR CANDIDATE MEMBERS OF NEARBY MOVING GROUPS FROM THE BASS SURVEY. <i>Astrophysical Journal, Supplement Series</i> , 2015, 219, 33.	7.7	156
47	Four Nearby L Dwarfs. <i>Astronomical Journal</i> , 2000, 119, 369-377.	4.7	152
48	Identifying Young Brown Dwarfs Using Gravity-sensitive Spectral Features. <i>Astrophysical Journal</i> , 2004, 600, 1020-1024.	4.5	148
49	A Method for Determining the Physical Properties of the Coldest Known Brown Dwarfs. <i>Astrophysical Journal</i> , 2006, 639, 1095-1113.	4.5	148
50	The Spectra of T Dwarfs. II. Red Optical Data. <i>Astrophysical Journal</i> , 2003, 594, 510-524.	4.5	146
51	Meeting the Cool Neighbors. VIII. A Preliminary 20 Parsec Census from the NLTT Catalogue. <i>Astronomical Journal</i> , 2004, 128, 463-483.	4.7	145
52	Binaries and the L Dwarf/T Dwarf Transition. <i>Astrophysical Journal</i> , 2007, 659, 655-674.	4.5	145
53	Substellar Companions to Main-Sequence Stars: No Brown Dwarf Desert at Wide Separations. <i>Astrophysical Journal</i> , 2001, 551, L163-L166.	4.5	139
54	DISCOVERY OF A CANDIDATE FOR THE COOLEST KNOWN BROWN DWARF. <i>Astrophysical Journal Letters</i> , 2011, 730, L9.	8.3	139

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55	Subtle Signatures of Multiplicity in Late-type Dwarf Spectra: The Unresolved M8.5 + T5 Binary 2MASS J03202839âˆ’0446358. <i>Astrophysical Journal</i> , 2008, 681, 579-593.	4.5	134
56	Discovery of 11 New T Dwarfs in the Two Micron All Sky Survey, Including a Possible L/T Transition Binary. <i>Astronomical Journal</i> , 2007, 134, 1162-1182.	4.7	124
57	Discovery of Two Nearby Peculiar L Dwarfs from the 2MASS Proper-Motion Survey: Young or Metal-Rich?. <i>Astrophysical Journal</i> , 2008, 686, 528-541.	4.5	122
58	THE ALLWISE MOTION SURVEY AND THE QUEST FOR COLD SUBDWARFS. <i>Astrophysical Journal</i> , 2014, 783, 122.	4.5	118
59	Clouds, Gravity, and Metallicity in Blue L Dwarfs: The Case of 2MASS J11263991âˆ’5003550. <i>Astrophysical Journal</i> , 2008, 674, 451-465.	4.5	117
60	CLOUDS IN THE COLDEST BROWN DWARFS: FIRE SPECTROSCOPY OF ROSS 458C. <i>Astrophysical Journal</i> , 2010, 725, 1405-1420.	4.5	117
61	A Search for Binary Systems among the Nearest L Dwarfs. <i>Astronomical Journal</i> , 2006, 132, 891-901.	4.7	114
62	An absolute sodium abundance for a cloud-free â€˜hot Saturnâ€™ exoplanet. <i>Nature</i> , 2018, 557, 526-529.	27.8	114
63	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
64	T Dwarfs and the Substellar Mass Function. I. Monte Carlo Simulations. <i>Astrophysical Journal</i> , Supplement Series, 2004, 155, 191-207.	7.7	105
65	Temporal Evolution of the High-energy Irradiation and Water Content of TRAPPIST-1 Exoplanets. <i>Astronomical Journal</i> , 2017, 154, 121.	4.7	104
66	SpeX SPECTROSCOPY OF UNRESOLVED VERY LOW MASS BINARIES. II. IDENTIFICATION OF 14 CANDIDATE BINARIES WITH LATE-M/EARLY-L AND T DWARF COMPONENTS. <i>Astrophysical Journal</i> , 2014, 794, 143.	4.5	101
67	Early 2017 observations of TRAPPIST-1 with Spitzer. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 475, 3577-3597.	4.4	100
68	A Flaring L5 Dwarf: The Nature of H α Emission in Very Low Mass (Sub)Stellar Objects. <i>Astronomical Journal</i> , 2003, 125, 343-347.	4.7	100
69	The 2MASS Wide-Field T Dwarf Search. IV. Hunting Out T Dwarfs with Methane Imaging. <i>Astronomical Journal</i> , 2005, 130, 2326-2346.	4.7	97
70	MASE: A New Data-Reduction Pipeline for the Magellan Echellette Spectrograph. <i>Publications of the Astronomical Society of the Pacific</i> , 2009, 121, 1409-1418.	3.1	96
71	Theoretical Spectral Models of T Dwarfs at Short Wavelengths and Their Comparison with Data. <i>Astrophysical Journal</i> , 2002, 573, 394-417.	4.5	95
72	THE BROWN DWARF KINEMATICS PROJECT. II. DETAILS ON NINE WIDE COMMON PROPER MOTION VERY LOW MASS COMPANIONS TO NEARBY STARS,. <i>Astronomical Journal</i> , 2010, 139, 176-194.	4.7	95

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73	Photometric Variability at the L/T Dwarf Boundary. <i>Astronomical Journal</i> , 2003, 126, 1006-1016.	4.7	92
74	Multiplicity among Widely Separated Brown Dwarf Companions to Nearby Stars: Gliese 337CD. <i>Astronomical Journal</i> , 2005, 129, 2849-2855.	4.7	92
75	Discovery of a Bright Field Methane (T-Type) Brown Dwarf by 2MASS. <i>Astronomical Journal</i> , 2000, 120, 1100-1105.	4.7	89
76	ACCRETION OF A TERRESTRIAL-LIKE MINOR PLANET BY A WHITE DWARF. <i>Astrophysical Journal</i> , 2011, 732, 90.	4.5	89
77	The 2Mass Wide-Field T Dwarf Search. I. Discovery of a Bright T Dwarf within 10 Parsecs of the Sun. <i>Astronomical Journal</i> , 2003, 125, 850-857.	4.7	88
78	2MASS J05185995-2828372: Discovery of an Unresolved L/T Binary. <i>Astrophysical Journal</i> , 2004, 604, L61-L64.	4.5	88
79	Optical Spectroscopy of 2MASS Color-selected Ultracool Subdwarfs. <i>Astrophysical Journal</i> , 2007, 657, 494-510.	4.5	88
80	On the Age of the TRAPPIST-1 System. <i>Astrophysical Journal</i> , 2017, 845, 110.	4.5	88
81	RESOLVED NEAR-INFRARED SPECTROSCOPY OF WISE J104915.57â€“531906.1AB: A FLUX-REVERSAL BINARY AT THE L DWARF/T DWARF TRANSITION. <i>Astrophysical Journal</i> , 2013, 772, 129.	4.5	87
82	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
83	AURORAL RADIO EMISSION FROM LATE L AND T DWARFS: A NEW CONSTRAINT ON DYNAMO THEORY IN THE SUBSTELLAR REGIME. <i>Astrophysical Journal</i> , 2016, 818, 24.	4.5	86
84	Reconnaissance of the TRAPPIST-1 exoplanet system in the Lyman- α line. <i>Astronomy and Astrophysics</i> , 2017, 599, L3.	5.1	85
85	BANYAN. IX. The Initial Mass Function and Planetary-mass Object Space Density of the TW HYA Association. <i>Astrophysical Journal</i> , Supplement Series, 2017, 228, 18.	7.7	85
86	CONSTRAINTS ON THE UNIVERSAL C IV MASS DENSITY AT $z \approx 6$ FROM EARLY INFRARED SPECTRA OBTAINED WITH THE MAGELLAN FIRE SPECTROGRAPH. <i>Astrophysical Journal</i> , 2011, 743, 21.	4.5	84
87	Quiescent Radio Emission from Southern Late-type M Dwarfs and a Spectacular Radio Flare from the M8 Dwarf DENIS 1048â”3956. <i>Astrophysical Journal</i> , 2005, 626, 486-497.	4.5	82
88	Discovery of a Second L Subdwarf in the Two Micron All Sky Survey. <i>Astrophysical Journal</i> , 2004, 614, L73-L76.	4.5	80
89	Resolved Spectroscopy of M Dwarf/L Dwarf Binaries. I. DENIS J220002.05-303832.9AB. <i>Astronomical Journal</i> , 2006, 131, 1007-1014.	4.7	80
90	Extremely metal-poor gas at a redshift of 7. <i>Nature</i> , 2012, 492, 79-82.	27.8	80

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91	Discovery of a T Dwarf Binary with the Largest Known J -Band Flux Reversal. <i>Astrophysical Journal</i> , 2008, 685, 1183-1192.	4.5	79
92	EXTRASOLAR STORMS: PRESSURE-DEPENDENT CHANGES IN LIGHT-CURVE PHASE IN BROWN DWARFS FROM SIMULTANEOUS HST AND SPITZER OBSERVATIONS. <i>Astrophysical Journal</i> , 2016, 826, 8.	4.5	77
93	FIRE: a near-infrared cross-dispersed echellette spectrometer for the Magellan telescopes. <i>Proceedings of SPIE</i> , 2008, , .	0.8	75
94	A WIDELY SEPARATED, HIGHLY OCCLUDED COMPANION TO THE NEARBY LOW-MASS T TAURI STAR TWA 30. <i>Astronomical Journal</i> , 2010, 140, 1486-1499.	4.7	75
95	Zones, spots, and planetary-scale waves beating in brown dwarf atmospheres. <i>Science</i> , 2017, 357, 683-687.	12.6	75
96	The HST Large Programme on ρ Centauri. II. Internal Kinematics. <i>Astrophysical Journal</i> , 2018, 853, 86.	4.5	73
97	L-DWARF BINARIES IN THE 20-PARSEC SAMPLE. <i>Astronomical Journal</i> , 2008, 135, 580-587.	4.7	72
98	Stellar Parameters for Trappist-1. <i>Astrophysical Journal</i> , 2018, 853, 30.	4.5	71
99	HST ROTATIONAL SPECTRAL MAPPING OF TWO L-TYPE BROWN DWARFS: VARIABILITY IN AND OUT OF WATER BANDS INDICATES HIGH-ALTITUDE HAZE LAYERS. <i>Astrophysical Journal Letters</i> , 2015, 798, L13.	8.3	69
100	S Orionis 70: Just a Foreground Field Brown Dwarf?. <i>Astrophysical Journal</i> , 2004, 604, 827-831.	4.5	68
101	2MASS J22521073 \sim 1730134: A Resolved L/T Binary at 14 Parsecs. <i>Astrophysical Journal</i> , 2006, 639, 1114-1119.	4.5	66
102	THE BROWN DWARF KINEMATICS PROJECT (BDKP). IV. RADIAL VELOCITIES OF 85 LATE-M AND L DWARFS WITH MagE. <i>Astrophysical Journal, Supplement Series</i> , 2015, 220, 18.	7.7	66
103	Detection of $H\alpha$ Emission in a Methane (T Type) Brown Dwarf. <i>Astronomical Journal</i> , 2000, 120, 473-478.	4.7	65
104	Discovery of an M9.5 Candidate Brown Dwarf in the TW Hydrae Association: DENIS J124514.1-442907. <i>Astrophysical Journal</i> , 2007, 669, L97-L100.	4.5	65
105	The Physical Properties of HD 3651B: An Extrasolar Nemesis?. <i>Astrophysical Journal</i> , 2007, 658, 617-621.	4.5	65
106	The NIRSPEC Brown Dwarf Spectroscopic Survey. II. High-Resolution J -Band Spectra of M, L, and T Dwarfs. <i>Astrophysical Journal</i> , 2007, 658, 1217-1235.	4.5	64
107	THE ENIGMATIC YOUNG, LOW-MASS VARIABLE TWA 30. <i>Astrophysical Journal</i> , 2010, 714, 45-67.	4.5	63
108	The Strongest Magnetic Fields on the Coolest Brown Dwarfs. <i>Astrophysical Journal, Supplement Series</i> , 2018, 237, 25.	7.7	62

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109	SDSS J111010.01+011613.1: A NEW PLANETARY-MASS T DWARF MEMBER OF THE AB DORADUS MOVING GROUP. <i>Astrophysical Journal Letters</i> , 2015, 808, L20.	8.3	60
110	Contamination by field late-M, L, and T dwarfs in deep surveys. <i>Astronomy and Astrophysics</i> , 2008, 488, 181-190.	5.1	59
111	GASEOUS MATERIAL ORBITING THE POLLUTED, DUSTY WHITE DWARF HE 1349-2305. <i>Astrophysical Journal Letters</i> , 2012, 751, L4.	8.3	59
112	MONITORING OF AN L DWARF I. THE PHOTOMETRIC PERIOD AND WHITE LIGHT FLARES. <i>Astrophysical Journal</i> , 2013, 779, 172.	4.5	58
113	CLOUD ATLAS: DISCOVERY OF PATCHY CLOUDS AND HIGH-AMPLITUDE ROTATIONAL MODULATIONS IN A YOUNG, EXTREMELY RED L-TYPE BROWN DWARF. <i>Astrophysical Journal Letters</i> , 2016, 829, L32.	8.3	58
114	SDSS J042348.57-041403.5AB: A Brown Dwarf Binary Straddling the L/T Transition. <i>Astrophysical Journal</i> , 2005, 634, L177-L180.	4.5	56
115	PS1-10afx AT $z = 1.388$: PAN-STARRS1 DISCOVERY OF A NEW TYPE OF SUPERLUMINOUS SUPERNOVA. <i>Astrophysical Journal</i> , 2013, 767, 162.	4.5	56
116	SIMP J013656.5+093347 Is Likely a Planetary-mass Object in the Carina-Near Moving Group. <i>Astrophysical Journal Letters</i> , 2017, 841, L1.	8.3	55
117	WISEP J004701.06+680352.1: AN INTERMEDIATE SURFACE GRAVITY, DUSTY BROWN DWARF IN THE AB DORADUS MOVING GROUP. <i>Astrophysical Journal</i> , 2015, 799, 203.	4.5	54
118	K2 Ultracool Dwarfs Survey. III. White Light Flares Are Ubiquitous in M6-L0 Dwarfs. <i>Astrophysical Journal</i> , 2018, 858, 55.	4.5	54
119	Helios-r2: A New Bayesian, Open-source Retrieval Model for Brown Dwarfs and Exoplanet Atmospheres. <i>Astrophysical Journal</i> , 2020, 890, 174.	4.5	54
120	A Search for Variability in the Active T Dwarf 2MASS 1237+6526. <i>Astronomical Journal</i> , 2002, 123, 2744-2753.	4.7	53
121	Discovery of a High Proper Motion L Dwarf Binary: 2MASS J15200224+4422419AB. <i>Astrophysical Journal</i> , 2007, 658, 557-568.	4.5	52
122	WEATHER ON OTHER WORLDS. I. DETECTION OF PERIODIC VARIABILITY IN THE L3 DWARF DENIS-P J1058.7-1548 WITH PRECISE MULTI-WAVELENGTH PHOTOMETRY. <i>Astrophysical Journal</i> , 2013, 767, 173.	4.5	52
123	SIGNATURES OF CLOUD, TEMPERATURE, AND GRAVITY FROM SPECTRA OF THE CLOSEST BROWN DWARFS. <i>Astrophysical Journal</i> , 2014, 790, 90.	4.5	52
124	The 2MASS Wide-Field T Dwarf Search. II. Discovery of Three T Dwarfs in the Southern Hemisphere. <i>Astronomical Journal</i> , 2003, 126, 2487-2494.	4.7	50
125	CONFIRMATION OF ONE OF THE COLDEST KNOWN BROWN DWARFS. <i>Astrophysical Journal</i> , 2012, 744, 135.	4.5	50
126	An Improved Red Spectrum of the Methane or T Dwarf SDSS 1624+0029: The Role of the Alkali Metals. <i>Astrophysical Journal</i> , 2000, 533, L155-L158.	4.5	49

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127	Discovery of the Coolest Extreme Subdwarf. <i>Astrophysical Journal</i> , 2006, 645, 1485-1497.	4.5	49
128	SDSS J080531.84+481233.0: An Unresolved L Dwarf/T Dwarf Binary. <i>Astronomical Journal</i> , 2007, 134, 1330-1336.	4.7	49
129	2MASS J09393548-2448279: The Coldest and Least Luminous Brown Dwarf Binary Known?. <i>Astrophysical Journal</i> , 2008, 689, L53-L56.	4.5	49
130	PHOTOMETRIC MONITORING OF THE COLDEST KNOWN BROWN DWARF WITH THE SPITZER SPACE TELESCOPE*. <i>Astrophysical Journal</i> , 2016, 832, 58.	4.5	47
131	Primeval very low-mass stars and brown dwarfs – I. Six new L subdwarfs, classification and atmospheric properties. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 464, 3040-3059.	4.4	47
132	OPTICAL AND NEAR-INFRARED SPECTROSCOPY OF THE L SUBDWARF SDSS J125637.13-022452.4. <i>Astrophysical Journal</i> , 2009, 697, 148-159.	4.5	46
133	DISCOVERY OF AN UNUSUALLY BLUE L DWARF WITHIN 10 pc OF THE SUN. <i>Astronomical Journal</i> , 2010, 139, 1045-1050.	4.7	45
134	A MONITORING CAMPAIGN FOR LUHMAN 16AB. I. DETECTION OF RESOLVED NEAR-INFRARED SPECTROSCOPIC VARIABILITY. <i>Astrophysical Journal</i> , 2014, 785, 48.	4.5	45
135	WISE J072003.20-084651.2: AN OLD AND ACTIVE M9.5 + T5 SPECTRAL BINARY 6 pc FROM THE SUN. <i>Astronomical Journal</i> , 2015, 149, 104.	4.7	44
136	Surface Gravities for 228 M, L, and T Dwarfs in the NIRSPEC Brown Dwarf Spectroscopic Survey. <i>Astrophysical Journal</i> , 2017, 838, 73.	4.5	44
137	Final Targeting Strategy for the Sloan Digital Sky Survey IV Apache Point Observatory Galactic Evolution Experiment 2 North Survey. <i>Astronomical Journal</i> , 2021, 162, 302.	4.7	44
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