

Mark Marley

List of Publications by Year in descending order

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274
papers

22,908
citations

7096

78
h-index

11052

137
g-index

281
all docs

281
docs citations

281
times ranked

5319
citing authors

#	ARTICLE	IF	CITATIONS
1	Planetary Radii across Five Orders of Magnitude in Mass and Stellar Insolation: Application to Transits. <i>Astrophysical Journal</i> , 2007, 659, 1661-1672.	4.5	790
2	Precipitating Condensation Clouds in Substellar Atmospheres. <i>Astrophysical Journal</i> , 2001, 556, 872-884.	4.5	620
3	The Evolution of L and T Dwarfs in Color-Magnitude Diagrams. <i>Astrophysical Journal</i> , 2008, 689, 1327-1344.	4.5	510
4	ATMOSPHERIC CIRCULATION OF HOT JUPITERS: COUPLED RADIATIVE-DYNAMICAL GENERAL CIRCULATION MODEL SIMULATIONS OF HD 189733b and HD 209458b. <i>Astrophysical Journal</i> , 2009, 699, 564-584.	4.5	475
5	First light of the Gemini Planet Imager. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 12661-12666.	7.1	472
6	Discovery and spectroscopy of the young jovian planet 51 Eri b with the Gemini Planet Imager. <i>Science</i> , 2015, 350, 64-67.	12.6	459
7	Near-Infrared Photometry and Spectroscopy of L and T Dwarfs: The Effects of Temperature, Clouds, and Gravity. <i>Astronomical Journal</i> , 2004, 127, 3553-3578.	4.7	432
8	J and K Photometry of Ultracool Dwarfs. <i>Astronomical Journal</i> , 2004, 127, 3516-3536.	4.7	406
9	Line and Mean Opacities for Ultracool Dwarfs and Extrasolar Planets. <i>Astrophysical Journal</i> , Supplement Series, 2008, 174, 504-513.	7.7	396
10	On the Luminosity of Young Jupiters. <i>Astrophysical Journal</i> , 2007, 655, 541-549.	4.5	388
11	DISEQUILIBRIUM CARBON, OXYGEN, AND NITROGEN CHEMISTRY IN THE ATMOSPHERES OF HD 189733b AND HD 209458b. <i>Astrophysical Journal</i> , 2011, 737, 15.	4.5	374
12	NEGLECTED CLOUDS IN T AND Y DWARF ATMOSPHERES. <i>Astrophysical Journal</i> , 2012, 756, 172.	4.5	342
13	THE DISCOVERY OF Y DWARFS USING DATA FROM THE WISE WIDE-FIELD INFRARED SURVEY EXPLORER (WISE WISE). <i>Astrophysical Journal</i> , 2011, 743, 50.	4.5	303
14	THE 0.8-14.5 μ 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
15	Clouds and Chemistry: Ultracool Dwarf Atmospheric Properties from Optical and Infrared Colors. <i>Astrophysical Journal</i> , 2002, 568, 335-342.	4.5	291
16	The Gemini Planet Imager Exoplanet Survey: Giant Planet and Brown Dwarf Demographics from 10 to 100 au. <i>Astronomical Journal</i> , 2019, 158, 13.	4.7	270
17	Atmospheric, Evolutionary, and Spectral Models of the Brown Dwarf Gliese 229 B. <i>Science</i> , 1996, 272, 1919-1921.	12.6	268
18	GASEOUS MEAN OPACITIES FOR GIANT PLANET AND ULTRACOOL DWARF ATMOSPHERES OVER A RANGE OF METALLICITIES AND TEMPERATURES. <i>Astrophysical Journal</i> , Supplement Series, 2014, 214, 25.	7.7	259

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19	TRANSMISSION SPECTRA OF THREE-DIMENSIONAL HOT JUPITER MODEL ATMOSPHERES. <i>Astrophysical Journal</i> , 2010, 709, 1396-1406.	4.5	254
20	Reflected Spectra and Albedos of Extrasolar Giant Planets. I. Clear and Cloudy Atmospheres. <i>Astrophysical Journal</i> , 1999, 513, 879-893.	4.5	249
21	ATMOSPHERIC SULFUR PHOTOCHEMISTRY ON HOT JUPITERS. <i>Astrophysical Journal</i> , 2009, 701, L20-L24.	4.5	248
22	Synthetic Spectra and Colors of Young Giant Planet Atmospheres: Effects of Initial Conditions and Atmospheric Metallicity. <i>Astrophysical Journal</i> , 2008, 683, 1104-1116.	4.5	243
23	TRANSITIONS IN THE CLOUD COMPOSITION OF HOT JUPITERS. <i>Astrophysical Journal</i> , 2016, 828, 22.	4.5	238
24	From thermal dissociation to condensation in the atmospheres of ultra hot Jupiters: WASP-121b in context. <i>Astronomy and Astrophysics</i> , 2018, 617, A110.	5.1	230
25	The Near-Infrared and Optical Spectra of Methane Dwarfs and Brown Dwarfs. <i>Astrophysical Journal</i> , 2000, 531, 438-446.	4.5	227
26	The composition and origin of the C, P, and D asteroids: Water as a tracer of thermal evolution in the outer belt. <i>Icarus</i> , 1990, 88, 172-192.	2.5	224
27	Comparative Planetary Atmospheres: Models of TrES-1 and HD 209458b. <i>Astrophysical Journal</i> , 2005, 627, L69-L72.	4.5	220
28	MASSES, RADII, AND CLOUD PROPERTIES OF THE HR 8799 PLANETS. <i>Astrophysical Journal</i> , 2012, 754, 135.	4.5	217
29	Evidence of Cloud Disruption in the L/T Dwarf Transition. <i>Astrophysical Journal</i> , 2002, 571, L151-L154.	4.5	212
30	LARGE-AMPLITUDE VARIATIONS OF AN L/T TRANSITION BROWN DWARF: MULTI-WAVELENGTH OBSERVATIONS OF PATCHY, HIGH-CONTRAST CLOUD FEATURES. <i>Astrophysical Journal</i> , 2012, 750, 105.	4.5	210
31	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
32	THERMAL EMISSION AND REFLECTED LIGHT SPECTRA OF SUPER EARTHS WITH FLAT TRANSMISSION SPECTRA. <i>Astrophysical Journal</i> , 2015, 815, 110.	4.5	196
33	An ultrahot gas-giant exoplanet with a stratosphere. <i>Nature</i> , 2017, 548, 58-61.	27.8	192
34	QUANTITATIVELY ASSESSING THE ROLE OF CLOUDS IN THE TRANSMISSION SPECTRUM OF GJ 1214b. <i>Astrophysical Journal</i> , 2013, 775, 33.	4.5	189
35	On the Radii of Close-in Giant Planets. <i>Astrophysical Journal</i> , 2000, 534, L97-L100.	4.5	188
36	Atmospheric Circulation of Hot Jupiters: Three-dimensional Circulation Models of HD 209458b and HD 189733b with Simplified Forcing. <i>Astrophysical Journal</i> , 2008, 682, 559-576.	4.5	183

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37	Ammonia as a Tracer of Chemical Equilibrium in the T7.5 Dwarf Gliese 570D. <i>Astrophysical Journal</i> , 2006, 647, 552-557.	4.5	177
38	Atmosphere, Interior, and Evolution of the Metal-rich Transiting Planet HD 149026b. <i>Astrophysical Journal</i> , 2006, 642, 495-504.	4.5	175
39	Thermal Structure of Uranus' Atmosphere. <i>Icarus</i> , 1999, 138, 268-286.	2.5	164
40	A PATCHY CLOUD MODEL FOR THE L TO T DWARF TRANSITION. <i>Astrophysical Journal Letters</i> , 2010, 723, L117-L121.	8.3	164
41	The Influence of Atmospheric Dynamics on the Infrared Spectra and Light Curves of Hot Jupiters. <i>Astrophysical Journal</i> , 2006, 652, 746-757.	4.5	161
42	WATER CLOUDS IN Y DWARFS AND EXOPLANETS. <i>Astrophysical Journal</i> , 2014, 787, 78.	4.5	160
43	ASpitzerInfrared Spectrograph Spectral Sequence of M, L, and T Dwarfs. <i>Astrophysical Journal</i> , 2006, 648, 614-628.	4.5	156
44	METHANE, CARBON MONOXIDE, AND AMMONIA IN BROWN DWARFS AND SELF-LUMINOUS GIANT PLANETS. <i>Astrophysical Journal</i> , 2014, 797, 41.	4.5	149
45	Optimized Jupiter, Saturn, and Uranus interior models. <i>Icarus</i> , 1989, 78, 102-118.	2.5	148
46	MID-INFRARED PHOTOMETRY OF COLD BROWN DWARFS: DIVERSITY IN AGE, MASS, AND METALLICITY. <i>Astrophysical Journal</i> , 2010, 710, 1627-1640.	4.5	146
47	EXOPLANET ALBEDO SPECTRA AND COLORS AS A FUNCTION OF PLANET PHASE, SEPARATION, AND METALLICITY. <i>Astrophysical Journal</i> , 2010, 724, 189-214.	4.5	146
48	L Dwarf Variability: λ Band Observations. <i>Astrophysical Journal</i> , 2002, 577, 433-446.	4.5	139
49	Detection of Abundant Carbon Monoxide in the Brown Dwarf Gliese 229B. <i>Astrophysical Journal</i> , 1997, 489, L87-L90.	4.5	137
50	THE ATMOSPHERIC CIRCULATION OF A NINE-HOT-JUPITER SAMPLE: PROBING CIRCULATION AND CHEMISTRY OVER A WIDE PHASE SPACE. <i>Astrophysical Journal</i> , 2016, 821, 9.	4.5	134
51	THE ATMOSPHERES OF EARTHLIKE PLANETS AFTER GIANT IMPACT EVENTS. <i>Astrophysical Journal</i> , 2014, 784, 27.	4.5	132
52	ATMOSPHERIC CIRCULATION OF ECCENTRIC HOT NEPTUNE GJ436b. <i>Astrophysical Journal</i> , 2010, 720, 344-356.	4.5	131
53	Molecular Abundances in the Atmosphere of the T Dwarf Gl 229B. <i>Astrophysical Journal</i> , 2000, 541, 374-389.	4.5	124
54	FORWARD AND INVERSE MODELING OF THE EMISSION AND TRANSMISSION SPECTRUM OF GJ 436B: INVESTIGATING METAL ENRICHMENT, TIDAL HEATING, AND CLOUDS. <i>Astronomical Journal</i> , 2017, 153, 86.	4.7	122

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55	High-temperature condensate clouds in super-hot Jupiter atmospheres. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 464, 4247-4254.	4.4	120
56	CLOUDS IN THE COLDEST BROWN DWARFS: FIRE SPECTROSCOPY OF ROSS 458C. <i>Astrophysical Journal</i> , 2010, 725, 1405-1420.	4.5	117
57	SELF-CONSISTENT MODEL ATMOSPHERES AND THE COOLING OF THE SOLAR SYSTEM'S GIANT PLANETS. <i>Astrophysical Journal</i> , 2011, 729, 32.	4.5	115
58	Physical Parameters of Two Very Cool T Dwarfs. <i>Astrophysical Journal</i> , 2007, 656, 1136-1149.	4.5	114
59	The Sonora Brown Dwarf Atmosphere and Evolution Models. I. Model Description and Application to Cloudless Atmospheres in Rainout Chemical Equilibrium. <i>Astrophysical Journal</i> , 2021, 920, 85.	4.5	114
60	DIRECTLY IMAGED L-T TRANSITION EXOPLANETS IN THE MID-INFRARED ^{<sup></sup>. <i>Astrophysical Journal</i>, 2014, 792, 17.}	4.5	112
61	The Hubble Space Telescope PanCET Program: Exospheric Mg ii and Fe ii in the Near-ultraviolet Transmission Spectrum of WASP-121b Using Jitter Decorrelation. <i>Astronomical Journal</i> , 2019, 158, 91.	4.7	112
62	Characterizing 51 Eri b from 1 to 5 \hat{A} ¼m: A Partly Cloudy Exoplanet. <i>Astronomical Journal</i> , 2017, 154, 10.	4.7	110
63	VERTICAL ATMOSPHERIC STRUCTURE IN A VARIABLE BROWN DWARF: PRESSURE-DEPENDENT PHASE SHIFTS IN SIMULTANEOUS <i>HUBBLE SPACE TELESCOPE</i> - <i>SPITZER</i> LIGHT CURVES. <i>Astrophysical Journal Letters</i> , 2012, 760, L31.	8.3	109
64	76 T dwarfs from the UKIDSS LAS: benchmarks, kinematics and an updated space density. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 433, 457-497.	4.4	108
65	<i>P</i> PICTORISâ€™ INNER DISK IN POLARIZED LIGHT AND NEW ORBITAL PARAMETERS FOR<i>P</i> PICTORIS<i>b</i>. <i>Astrophysical Journal</i> , 2015, 811, 18.	4.5	108
66	A STUDY OF THE DIVERSE T DWARF POPULATION REVEALED BY <i>WISE</i>. <i>Astrophysical Journal, Supplement Series</i> , 2013, 205, 6.	7.7	107
67	An Optical Transmission Spectrum for the Ultra-hot Jupiter WASP-121b Measured with the Hubble Space Telescope. <i>Astronomical Journal</i> , 2018, 156, 283.	4.7	106
68	NEW H₂ COLLISION-INDUCED ABSORPTION AND NH₃ OPACITY AND THE SPECTRA OF THE COOLEST BROWN DWARFS. <i>Astrophysical Journal</i> , 2012, 750, 74.	4.5	104
69	UNIFORM ATMOSPHERIC RETRIEVAL ANALYSIS OF ULTRACOOL DWARFS. I. CHARACTERIZING BENCHMARKS, Gl 570D AND HD 3651B. <i>Astrophysical Journal</i> , 2015, 807, 183.	4.5	101
70	A Sensitive Search for Variability in Late L Dwarfs: The Quest for Weather. <i>Astrophysical Journal</i> , 2006, 653, 1454.	4.5	98
71	DISCOVERY OF ROTATIONAL MODULATIONS IN THE PLANETARY-MASS COMPANION 2M1207b: INTERMEDIATE ROTATION PERIOD AND HETEROGENEOUS CLOUDS IN A LOW GRAVITY ATMOSPHERE. <i>Astrophysical Journal</i> , 2016, 818, 176.	4.5	98
72	Improving and Assessing Planet Sensitivity of the GPI Exoplanet Survey with a Forward Model Matched Filter. <i>Astrophysical Journal</i> , 2017, 842, 14.	4.5	96

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73	Planetary Acoustic Mode Seismology: Saturn's Rings. <i>Icarus</i> , 1993, 106, 508-524.	2.5	95
74	THE ORBIT AND TRANSIT PROSPECTS FOR $\hat{\iota}^2$ PICTORIS b CONSTRAINED WITH ONE MILLIARCSECOND ASTROMETRY. <i>Astronomical Journal</i> , 2016, 152, 97.	4.7	95
75	Dynamical Constraints on the HR 8799 Planets with GPI. <i>Astronomical Journal</i> , 2018, 156, 192.	4.7	95
76	Characterizing Earth Analogs in Reflected Light: Atmospheric Retrieval Studies for Future Space Telescopes. <i>Astronomical Journal</i> , 2018, 155, 200.	4.7	94
77	Haze production rates in super-Earth and mini-Neptune atmosphere experiments. <i>Nature Astronomy</i> , 2018, 2, 303-306.	10.1	93
78	$\hat{\iota}^2$ 2.4 $\hat{\mu}$ m Near-IR Spectrum of the Giant Planet $\hat{\iota}^2$ Pictoris b Obtained with the Gemini Planet Imager. <i>Astronomical Journal</i> , 2017, 153, 182.	4.7	92
79	PHOTOLYTIC HAZES IN THE ATMOSPHERE OF 51 ERI B. <i>Astrophysical Journal</i> , 2016, 824, 137.	4.5	91
80	Infrared Observations and Modeling of One of the Coolest T Dwarfs: Gliese 570D. <i>Astrophysical Journal</i> , 2001, 556, 373-379.	4.5	91
81	Characterizing Rocky and Gaseous Exoplanets with 2 m Class Space-based Coronagraphs. <i>Publications of the Astronomical Society of the Pacific</i> , 2016, 128, 025003.	3.1	90
82	The properties of the T8.5p dwarf Ross 458C. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 414, 3590-3598.	4.4	88
83	THE FIRST ULTRA-COOL BROWN DWARF DISCOVERED BY THE WIDE-FIELD INFRARED SURVEY EXPLORER. <i>Astrophysical Journal</i> , 2011, 726, 30.	4.5	85
84	<i>WISE</i> DWARFS AS PROBES OF THE BROWN DWARF-EXOPLANET CONNECTION. <i>Astrophysical Journal</i> , 2014, 783, 68.	4.5	82
85	An Optical/Near-infrared Investigation of HD 100546 b with the Gemini Planet Imager and MagAO. <i>Astronomical Journal</i> , 2017, 153, 244.	4.7	81
86	Retrieval of atmospheric properties of cloudy L dwarfs. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 470, 1177-1197.	4.4	81
87	Titan solar occultation observations reveal transit spectra of a hazy world. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 9042-9047.	7.1	80
88	GEMINI PLANET IMAGER SPECTROSCOPY OF THE HR 8799 PLANETS c AND d. <i>Astrophysical Journal Letters</i> , 2014, 794, L15.	8.3	80
89	Uniform Atmospheric Retrieval Analysis of Ultracool Dwarfs. II. Properties of 11 T dwarfs. <i>Astrophysical Journal</i> , 2017, 848, 83.	4.5	80
90	Physical and Spectral Characteristics of the T8 and Later Type Dwarfs. <i>Astrophysical Journal</i> , 2007, 667, 537-548.	4.5	79

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91	The Onset of Methane in L Dwarfs. <i>Astrophysical Journal</i> , 2000, 541, L75-L78.	4.5	78
92	3.6–7.9 μ m Photometry of L and T Dwarfs and the Prevalence of Vertical Mixing in their Atmospheres. <i>Astrophysical Journal</i> , 2007, 655, 1079-1094.	4.5	77
93	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
94	DEVELOPING ATMOSPHERIC RETRIEVAL METHODS FOR DIRECT IMAGING SPECTROSCOPY OF GAS GIANTS IN REFLECTED LIGHT. I. METHANE ABUNDANCES AND BASIC CLOUD PROPERTIES. <i>Astronomical Journal</i> , 2016, 152, 217.	4.7	76
95	Zones, spots, and planetary-scale waves beating in brown dwarf atmospheres. <i>Science</i> , 2017, 357, 683-687.	12.6	75
96	THE PHYSICAL PROPERTIES OF FOUR \sim 600 K T DWARFS. <i>Astrophysical Journal</i> , 2009, 695, 1517-1526.	4.5	72
97	THREE-DIMENSIONAL ATMOSPHERIC CIRCULATION OF HOT JUPITERS ON HIGHLY ECCENTRIC ORBITS. <i>Astrophysical Journal</i> , 2013, 767, 76.	4.5	72
98	Sulfur Hazes in Giant Exoplanet Atmospheres: Impacts on Reflected Light Spectra. <i>Astronomical Journal</i> , 2017, 153, 139.	4.7	71
99	Probing the physical properties of directly imaged gas giant exoplanets through polarization. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 417, 2874-2881.	4.4	70
100	Cassini Ring Seismology as a Probe of Saturn's Interior. I. Rigid Rotation. <i>Astrophysical Journal</i> , 2019, 871, 1.	4.5	70
101	<i>HST</i> 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
102	THE LEECH EXOPLANET IMAGING SURVEY: CHARACTERIZATION OF THE COLDEST DIRECTLY IMAGED EXOPLANET, GJ 504 b, AND EVIDENCE FOR SUPERSTELLAR METALLICITY*. <i>Astrophysical Journal</i> , 2016, 817, 166.	4.5	68
103	Exoplanet Reflected-light Spectroscopy with PICASO. <i>Astrophysical Journal</i> , 2019, 878, 70.	4.5	68
104	Analysis of <i>Spitzer</i> Spectra of Irradiated Planets: Evidence for Water Vapor?. <i>Astrophysical Journal</i> , 2007, 666, L45-L48.	4.5	67
105	A non-grey analytical model for irradiated atmospheres. <i>Astronomy and Astrophysics</i> , 2015, 574, A35.	5.1	65
106	Debris Disk Results from the Gemini Planet Imager Exoplanet Survey's Polarimetric Imaging Campaign. <i>Astronomical Journal</i> , 2020, 160, 24.	4.7	64
107	A COMPARISON OF NEAR-INFRARED PHOTOMETRY AND SPECTRA FOR Y DWARFS WITH A NEW GENERATION OF COOL CLOUDY MODELS. <i>Astrophysical Journal</i> , 2013, 763, 130.	4.5	63
108	Sedimentation Efficiency of Condensation Clouds in Substellar Atmospheres. <i>Astrophysical Journal</i> , 2018, 855, 86.	4.5	63

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109	Spitzer Phase Curves of KELT-1b and the Signatures of Nightside Clouds in Thermal Phase Observations. <i>Astronomical Journal</i> , 2019, 158, 166.	4.7	63
110	Nonradial oscillations of Saturn. <i>Icarus</i> , 1991, 94, 420-435.	2.5	61
111	Spitzer Infrared Spectrograph (IRS) Observations of M, L, and T Dwarfs. <i>Astrophysical Journal</i> , Supplement Series, 2004, 154, 418-421.	7.7	61
112	THE FIRST <i>H</i> -BAND SPECTRUM OF THE GIANT PLANET $\hat{\iota}^2$ PICTORIS b. <i>Astrophysical Journal Letters</i> , 2015, 798, L3.	8.3	61
113	An emission spectrum for WASP-121b measured across the 0.8–1.1 μm wavelength range using the Hubble Space Telescope. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 488, 2222-2234.	4.4	61
114	CLOUD STRUCTURE OF THE NEAREST BROWN DWARFS: SPECTROSCOPIC VARIABILITY OF LUHMAN 16AB FROM THE HUBBLE SPACE TELESCOPE. <i>Astrophysical Journal</i> , 2015, 798, 127.	4.5	60
115	DISCOVERY OF A SUBSTELLAR COMPANION TO THE NEARBY DEBRIS DISK HOST HR 2562. <i>Astrophysical Journal Letters</i> , 2016, 829, L4.	8.3	60
116	ON THE COMPOSITION OF YOUNG, DIRECTLY IMAGED GIANT PLANETS. <i>Astrophysical Journal</i> , 2016, 829, 66.	4.5	59
117	Photochemical Haze Formation in the Atmospheres of Super-Earths and Mini-Neptunes. <i>Astronomical Journal</i> , 2018, 156, 38.	4.7	59
118	Thermodynamics of dense molecular hydrogen-helium mixtures at high pressure. <i>Icarus</i> , 1988, 73, 536-544.	2.5	58
119	THE ATMOSPHERIC CIRCULATION OF THE SUPER EARTH GJ 1214b: DEPENDENCE ON COMPOSITION AND METALLICITY. <i>Astrophysical Journal</i> , 2014, 785, 92.	4.5	58
120	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
121	NEAR-INFRARED PHOTOMETRY OF Y DWARFS: LOW AMMONIA ABUNDANCE AND THE ONSET OF WATER CLOUDS. <i>Astrophysical Journal</i> , 2015, 799, 37.	4.5	56
122	EFFECT OF LONGITUDE-DEPENDENT CLOUD COVERAGE ON EXOPLANET VISIBLE WAVELENGTH REFLECTED-LIGHT PHASE CURVES. <i>Astrophysical Journal</i> , 2015, 804, 94.	4.5	56
123	THE PROPERTIES OF THE 500 K DWARF UGPS J072227.51–054031.2 AND A STUDY OF THE FAR-RED FLUX OF COLD BROWN DWARFS. <i>Astrophysical Journal</i> , 2012, 748, 74.	4.5	55
124	Beyond Equilibrium Temperature: How the Atmosphere/Interior Connection Affects the Onset of Methane, Ammonia, and Clouds in Warm Transiting Giant Planets. <i>Astronomical Journal</i> , 2020, 160, 288.	4.7	55
125	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
126	Multiepoch Radial Velocity Observations of L Dwarfs. <i>Astrophysical Journal</i> , 2007, 666, 1198-1204.	4.5	53

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127	THE HUNT FOR PLANET NINE: ATMOSPHERE, SPECTRA, EVOLUTION, AND DETECTABILITY. <i>Astrophysical Journal Letters</i> , 2016, 824, L25.	8.3	53
128	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
129	TEMPERATURE FLUCTUATIONS AS A SOURCE OF BROWN DWARF VARIABILITY. <i>Astrophysical Journal</i> , 2014, 785, 158.	4.5	52
130	Clouds and Hazes in Exoplanet Atmospheres. , 2013, , .		52
131	Monte Carlo interior models for Uranus and Neptune. <i>Journal of Geophysical Research</i> , 1995, 100, 23349.	3.3	51
132	SPECTROSCOPIC DETECTION OF CARBON MONOXIDE IN TWO LATE-TYPE T DWARFS. <i>Astrophysical Journal</i> , 2009, 695, 844-854.	4.5	51
133	CONFIRMATION OF ONE OF THE COLDEST KNOWN BROWN DWARFS. <i>Astrophysical Journal</i> , 2012, 744, 135.	4.5	50
134	GPI Spectra of HR 8799 c, d, and e from 1.5 to 2.4 μ m with KLIP Forward Modeling. <i>Astronomical Journal</i> , 2018, 155, 226.	4.7	50
135	2MASS J09393548-2448279: The Coldest and Least Luminous Brown Dwarf Binary Known?. <i>Astrophysical Journal</i> , 2008, 689, L53-L56.	4.5	49
136	Liquid metallic hydrogen and the structure of brown dwarfs and giant planets. <i>Physics of Plasmas</i> , 1997, 4, 2011-2015.	1.9	46
137	SPECTRAL VARIABILITY FROM THE PATCHY ATMOSPHERES OF T AND Y DWARFS. <i>Astrophysical Journal Letters</i> , 2014, 789, L14.	8.3	46
138	THE FIRST SPECTRUM OF THE COLDEST BROWN DWARF. <i>Astrophysical Journal Letters</i> , 2016, 826, L17.	8.3	46
139	ATMOSPHERIC CIRCULATION OF ECCENTRIC HOT JUPITER HAT-P-2B. <i>Astrophysical Journal</i> , 2014, 795, 150.	4.5	45
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