

Daniel Apai

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172
papers

7,625
citations

53
h-index

82
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180
ext. papers

8,676
ext. citations

5.6
avg, IF

6.12
L-index

#	Paper	IF	Citations
172	A giant planet imaged in the disk of the young star beta Pictoris. <i>Science</i> , 2010 , 329, 57-9	33.3	588
171	A STEEPER THAN LINEAR DISK MASS-TELLAR MASS SCALING RELATION. <i>Astrophysical Journal</i> , 2016 , 831, 125	4.7	256
170	A COMBINED SUBARU/VLT/MMT 1-5 μ m STUDY OF PLANETS ORBITING HR 8799: IMPLICATIONS FOR ATMOSPHERIC PROPERTIES, MASSES, AND FORMATION. <i>Astrophysical Journal</i> , 2011 , 729, 128	4.7	201
169	Nearby Debris Disk Systems with High Fractional Luminosity Reconsidered. <i>Astrophysical Journal</i> , 2006 , 644, 525-542	4.7	175
168	A STELLAR-MASS-DEPENDENT DROP IN PLANET OCCURRENCE RATES. <i>Astrophysical Journal</i> , 2015 , 798, 112	4.7	165
167	WEATHER ON OTHER WORLDS. II. SURVEY RESULTS: SPOTS ARE UBIQUITOUS ON L AND T DWARFS. <i>Astrophysical Journal</i> , 2015 , 799, 154	4.7	165
166	The onset of planet formation in brown dwarf disks. <i>Science</i> , 2005 , 310, 834-6	33.3	161
165	HST SPECTRAL MAPPING OF L/T TRANSITION BROWN DWARFS REVEALS CLOUD THICKNESS VARIATIONS. <i>Astrophysical Journal</i> , 2013 , 768, 121	4.7	157
164	AN INCREASE IN THE MASS OF PLANETARY SYSTEMS AROUND LOWER-MASS STARS. <i>Astrophysical Journal</i> , 2015 , 814, 130	4.7	154
163	THE DIFFERENT EVOLUTION OF GAS AND DUST IN DISKS AROUND SUN-LIKE AND COOL STARS. <i>Astrophysical Journal</i> , 2009 , 696, 143-159	4.7	138
162	The Transit Light Source Effect: False Spectral Features and Incorrect Densities for M-dwarf Transiting Planets. <i>Astrophysical Journal</i> , 2018 , 853, 122	4.7	135
161	FIRST LIGHT LBT AO IMAGES OF HR 8799 bcde AT 1.6 AND 3.3 μ m: NEW DISCREPANCIES BETWEEN YOUNG PLANETS AND OLD BROWN DWARFS. <i>Astrophysical Journal</i> , 2012 , 753, 14	4.7	132
160	Shadows and spirals in the protoplanetary disk HD 100453. <i>Astronomy and Astrophysics</i> , 2017 , 597, A42	5.1	116
159	Orbital characterization of the β Pictoris b giant planet. <i>Astronomy and Astrophysics</i> , 2012 , 542, A41	5.1	109
158	First light of the VLT planet finder SPHERE. <i>Astronomy and Astrophysics</i> , 2016 , 587, A57	5.1	107
157	DISCOVERY OF H α EMISSION FROM THE CLOSE COMPANION INSIDE THE GAP OF TRANSITIONAL DISK HD 142527. <i>Astrophysical Journal Letters</i> , 2014 , 781, L30	7.9	103
156	The Exoplanet Population Observation Simulator. I. The Inner Edges of Planetary Systems. <i>Astronomical Journal</i> , 2018 , 156, 24	4.9	101

155	VERTICAL ATMOSPHERIC STRUCTURE IN A VARIABLE BROWN DWARF: PRESSURE-DEPENDENT PHASE SHIFTS IN SIMULTANEOUS HUBBLE SPACE TELESCOPE - SPITZER LIGHT CURVES. <i>Astrophysical Journal Letters</i> , 2012 , 760, L31	7.9	101
154	First Detection of Millimeter Dust Emission from Brown Dwarf Disks. <i>Astrophysical Journal</i> , 2003 , 593, L57-L60	4.7	97
153	ACCESS I. AN OPTICAL TRANSMISSION SPECTRUM OF GJ 1214b REVEALS A HETEROGENEOUS STELLAR PHOTOSPHERE. <i>Astrophysical Journal</i> , 2017 , 834, 151	4.7	96
152	A novel L-band imaging search for giant planets in the Tucana and Pictoris moving groups. <i>Astronomy and Astrophysics</i> , 2007 , 472, 321-327	5.1	91
151	DISCOVERY OF A TWO-ARMED SPIRAL STRUCTURE IN THE GAPPED DISK AROUND HERBIG Ae STAR HD 100453. <i>Astrophysical Journal Letters</i> , 2015 , 813, L2	7.9	90
150	BROWN DWARF PHOTOSPHERES ARE PATCHY: A HUBBLE SPACE TELESCOPE NEAR-INFRARED SPECTROSCOPIC SURVEY FINDS FREQUENT LOW-LEVEL VARIABILITY. <i>Astrophysical Journal</i> , 2014 , 782, 77	4.7	90
149	PROTOPLANETARY DISK MASSES FROM STARS TO BROWN DWARFS. <i>Astrophysical Journal</i> , 2013 , 773, 168	4.7	89
148	FIRST RESULTS FROM VERY LARGE TELESCOPE NACO APODIZING PHASE PLATE: 4 μ m IMAGES OF THE EXOPLANET μ PICTORIS b. <i>Astrophysical Journal Letters</i> , 2010 , 722, L49-L53	7.9	89
147	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	4.7	83
146	ALMA OBSERVATIONS OF THE MOLECULAR GAS IN THE DEBRIS DISK OF THE 30 Myr OLD STAR HD 21997. <i>Astrophysical Journal</i> , 2013 , 776, 77	4.7	81
145	STRUCTURE AND EVOLUTION OF DEBRIS DISKS AROUND F-TYPE STARS. I. OBSERVATIONS, DATABASE, AND BASIC EVOLUTIONARY ASPECTS. <i>Astrophysical Journal, Supplement Series</i> , 2011 , 193, 4	8	80
144	Direct imaging discovery of a Jovian exoplanet within a triple-star system. <i>Science</i> , 2016 , 353, 673-8	33.3	80
143	An ALMA Survey of CO Isotopologue Emission from Protoplanetary Disks in Chamaeleon I. <i>Astrophysical Journal</i> , 2017 , 844, 99	4.7	78
142	A SUPER-SOLAR METALLICITY FOR STARS WITH HOT ROCKY EXOPLANETS. <i>Astronomical Journal</i> , 2016 , 152, 187	4.9	76
141	High angular resolution detection of μ Pictoris b at 2.18 μ m. <i>Astronomy and Astrophysics</i> , 2011 , 528, L15	5.1	75
140	MOLECULAR GAS IN YOUNG DEBRIS DISKS. <i>Astrophysical Journal Letters</i> , 2011 , 740, L7	7.9	73
139	EVIDENCE AGAINST AN EDGE-ON DISK AROUND THE EXTRASOLAR PLANET, 2MASS 1207 b AND A NEW THICK-CLOUD EXPLANATION FOR ITS UNDERLUMINOSITY,.. <i>Astrophysical Journal</i> , 2011 , 732, 107	4.7	72
138	Magellan Adaptive Optics Imaging of PDS 70: Measuring the Mass Accretion Rate of a Young Giant Planet within a Gapped Disk. <i>Astrophysical Journal Letters</i> , 2018 , 863, L8	7.9	72

137	The Environment of the Optically Brightest Herbig Ae Star, HD 104237. <i>Astrophysical Journal</i> , 2004 , 608, 809-830	4.7	69
136	The position of β Pictoris b position relative to the debris disk. <i>Astronomy and Astrophysics</i> , 2012 , 542, A40	5.1	68
135	A Physical Model-based Correction for Charge Traps in the Hubble Space Telescope's Wide Field Camera 3 Near-IR Detector and Its Applications to Transiting Exoplanets and Brown Dwarfs. <i>Astronomical Journal</i> , 2017 , 153, 243	4.9	67
134	ACCESS: a featureless optical transmission spectrum for WASP-19b from Magellan/IMACS. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019 , 482, 2065-2087	4.3	67
133	VOLATILE DELIVERY TO PLANETS FROM WATER-RICH PLANETESIMALS AROUND LOW-MASS STARS. <i>Astrophysical Journal</i> , 2015 , 804, 9	4.7	66
132	DAY-SIDE z -BAND EMISSION AND ECCENTRICITY OF WASP-12b. <i>Astrophysical Journal Letters</i> , 2010 , 716, L36-L40	7.9	66
131	Ks-BAND DETECTION OF THERMAL EMISSION AND COLOR CONSTRAINTS TO CoRoT-1b: A LOW-ALBEDO PLANET WITH INEFFICIENT ATMOSPHERIC ENERGY REDISTRIBUTION AND A TEMPERATURE INVERSION. <i>Astrophysical Journal</i> , 2009 , 707, 1707-1716	4.7	63
130	Medium-Separation Binaries Do Not Affect the First Steps of Planet Formation. <i>Astrophysical Journal</i> , 2008 , 673, 477-486	4.7	63
129	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	7.9	62
128	The First Detailed Look at a Brown Dwarf Disk. <i>Astrophysical Journal</i> , 2003 , 590, L111-L114	4.7	62
127	EXTRASOLAR STORMS: PRESSURE-DEPENDENT CHANGES IN LIGHT-CURVE PHASE IN BROWN DWARFS FROM SIMULTANEOUS STANSPITZER OBSERVATIONS. <i>Astrophysical Journal</i> , 2016 , 826, 8	4.7	61
126	HIGH-CADENCE, HIGH-CONTRAST IMAGING FOR EXOPLANET MAPPING: OBSERVATIONS OF THE HR 8799 PLANETS WITH VLT/SPHERE SATELLITE-SPOT-CORRECTED RELATIVE PHOTOMETRY. <i>Astrophysical Journal</i> , 2016 , 820, 40	4.7	60
125	The HST Large Programme on α Centauri. II. Internal Kinematics. <i>Astrophysical Journal</i> , 2018 , 853, 86	4.7	59
124	A Survey for Massive Giant Planets in Debris Disks with Evacuated Inner Cavities. <i>Astrophysical Journal</i> , 2008 , 672, 1196-1201	4.7	59
123	The Near-infrared Transmission Spectra of TRAPPIST-1 Planets b, c, d, e, f, and g and Stellar Contamination in Multi-epoch Transit Spectra. <i>Astronomical Journal</i> , 2018 , 156, 178	4.9	58
122	Zones, spots, and planetary-scale waves beating in brown dwarf atmospheres. <i>Science</i> , 2017 , 357, 683-687	9.3	57
121	Evolution of young brown dwarf disks in the mid-infrared. <i>Astronomy and Astrophysics</i> , 2004 , 427, 245-250	5.0	57
120	Retrieval of planetary and stellar properties in transmission spectroscopy with Aura. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018 , 480, 5314-5331	4.3	54

119	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	4.7	53
118	REVEALING THE STRUCTURE OF A PRE-TRANSITIONAL DISK: THE CASE OF THE HERBIG F STAR SAO 206462 (HD 135344B). <i>Astrophysical Journal</i> , 2009 , 699, 1822-1842	4.7	52
117	CLOUD STRUCTURE OF THE NEAREST BROWN DWARFS: SPECTROSCOPIC VARIABILITY OF LUHMAN 16AB FROM THE HUBBLE SPACE TELESCOPE. <i>Astrophysical Journal</i> , 2015 , 798, 127	4.7	51
116	Crystalline Silicates as a Probe of Disk Formation History. <i>Astrophysical Journal</i> , 2006 , 640, L67-L70	4.7	50
115	The Orbit of the Companion to HD 100453A: Binary-driven Spiral Arms in a Protoplanetary Disk. <i>Astrophysical Journal</i> , 2018 , 854, 130	4.7	49
114	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	4.7	49
113	The Transit Light Source Effect. II. The Impact of Stellar Heterogeneity on Transmission Spectra of Planets Orbiting Broadly Sun-like Stars. <i>Astronomical Journal</i> , 2019 , 157, 96	4.9	47
112	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	7.9	47
111	THE LOW LEVEL OF DEBRIS DISK ACTIVITY AT THE TIME OF THE LATE HEAVY BOMBARDMENT: ASPITZER STUDY OF PRAESEPE. <i>Astrophysical Journal</i> , 2009 , 697, 1578-1596	4.7	46
110	Stirring in massive, young debris discs from spatially resolved Herschel images?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015 , 447, 577-597	4.3	45
109	The LEECH Exoplanet Imaging Survey. Further constraints on the planet architecture of the HR 8799 system. <i>Astronomy and Astrophysics</i> , 2015 , 576, A133	5.1	44
108	THE GRAY NEEDLE: LARGE GRAINS IN THE HD 15115 DEBRIS DISK FROM LBT/PISCES/Ks AND LBTI/LMIRcam/L? ADAPTIVE OPTICS IMAGING. <i>Astrophysical Journal</i> , 2012 , 752, 57	4.7	43
107	Probabilistic Constraints on the Mass and Composition of Proxima b. <i>Astrophysical Journal Letters</i> , 2017 , 836, L31	7.9	41
106	THE INNER DISK STRUCTURE, DISK-PLANET INTERACTIONS, AND TEMPORAL EVOLUTION IN THE β PICTORIS SYSTEM: A TWO-EPOCH HST/STIS CORONAGRAPHIC STUDY. <i>Astrophysical Journal</i> , 2015 , 800, 136	4.7	38
105	A RESOLVED DEBRIS DISK AROUND THE CANDIDATE PLANET-HOSTING STAR HD 95086. <i>Astrophysical Journal Letters</i> , 2013 , 775, L51	7.9	37
104	Probing Dust around Brown Dwarfs: The Naked LP 944-20 and the Disk of Chamaeleon H β . <i>Astrophysical Journal</i> , 2002 , 573, L115-L117	4.7	36
103	On the Mass Function, Multiplicity, and Origins of Wide-orbit Giant Planets. <i>Astrophysical Journal</i> , 2019 , 877, 46	4.7	35
102	ALMA Observations of the Young Substellar Binary System 2M1207. <i>Astronomical Journal</i> , 2017 , 154, 24	4.9	34

101	CLOUD STRUCTURE OF THE NEAREST BROWN DWARFS. II. HIGH-AMPLITUDE VARIABILITY FOR LUHMAN 16 A AND B IN AND OUT OF THE 0.99 μ m FeH FEATURE. <i>Astrophysical Journal</i> , 2015 , 812, 163	4.7	34
100	ALMA CONTINUUM OBSERVATIONS OF A 30 Myr OLD GASEOUS DEBRIS DISK AROUND HD 21997. <i>Astrophysical Journal Letters</i> , 2013 , 777, L25	7.9	33
99	THE DISCOVERY OF NEW WARM DEBRIS DISKS AROUND F-TYPE STARS. <i>Astrophysical Journal</i> , 2009 , 700, L25-L29	4.7	33
98	Optical Outflows in the R Coronae Australis Molecular Cloud. <i>Astrophysical Journal</i> , 2004 , 617, 1191-1203	4.7	32
97	The LEECH Exoplanet Imaging Survey: Limits on Planet Occurrence Rates under Conservative Assumptions. <i>Astronomical Journal</i> , 2018 , 156, 286	4.9	32
96	AEOLUS: A MARKOV CHAIN MONTE CARLO CODE FOR MAPPING ULTRACOOL ATMOSPHERES. AN APPLICATION ON JUPITER AND BROWN DWARF HST LIGHT CURVES. <i>Astrophysical Journal</i> , 2015 , 814, 65	4.7	31
95	The HST large programme on ϵ Centauri II. Multiple stellar populations at the bottom of the main sequence probed in NIR optical. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017 , 469, 800-812	4.3	31
94	Helios-r2: A New Bayesian, Open-source Retrieval Model for Brown Dwarfs and Exoplanet Atmospheres. <i>Astrophysical Journal</i> , 2020 , 890, 174	4.7	29
93	PANCHROMATIC IMAGING OF A TRANSITIONAL DISK: THE DISK OF GM AUR IN OPTICAL AND FUV SCATTERED LIGHT. <i>Astrophysical Journal</i> , 2016 , 829, 65	4.7	27
92	MAPPING DIRECTLY IMAGED GIANT EXOPLANETS. <i>Astrophysical Journal</i> , 2013 , 762, 47	4.7	27
91	MAPS OF EVOLVING CLOUD STRUCTURES IN LUHMAN 16AB FROM HST TIME-RESOLVED SPECTROSCOPY. <i>Astrophysical Journal</i> , 2016 , 825, 90	4.7	27
90	The Exoplanet Population Observation Simulator. II. Population Synthesis in the Era of Kepler. <i>Astrophysical Journal</i> , 2019 , 887, 157	4.7	26
89	NGC 1980 Is Not a Foreground Population of Orion: Spectroscopic Survey of Young Stars with Low Extinction in Orion A. <i>Astronomical Journal</i> , 2017 , 153, 188	4.9	25
88	A SEARCH FOR COMPANIONS TO BROWN DWARFS IN THE TAURUS AND CHAMAELEON STAR-FORMING REGIONS. <i>Astrophysical Journal</i> , 2014 , 788, 40	4.7	25
87	STELLAR-MASS-DEPENDENT DISK STRUCTURE IN COEVAL PLANET-FORMING DISKS. <i>Astrophysical Journal</i> , 2010 , 720, 1668-1673	4.7	25
86	BENCHMARK TESTS FOR MARKOV CHAIN MONTE CARLO FITTING OF EXOPLANET ECLIPSE OBSERVATIONS. <i>Astrophysical Journal</i> , 2013 , 767, 64	4.7	24
85	Protoplanetary disks and planet formation around brown dwarfs and very low-mass stars. <i>Astronomische Nachrichten</i> , 2013 , 334, 57-62	0.7	23
84	DISCOVERY OF AN EDGE-ON DEBRIS DISK WITH A DUST RING AND AN OUTER DISK WING-TILT ASYMMETRY. <i>Astrophysical Journal Letters</i> , 2015 , 812, L33	7.9	23

83	Massive Binaries in High-Mass Star-forming Regions: A Multiepoch Radial Velocity Survey of Embedded O Stars. <i>Astrophysical Journal</i> , 2007 , 655, 484-491	4.7	23
82	Cloud Atlas: Hubble Space Telescope Near-infrared Spectral Library of Brown Dwarfs, Planetary-mass Companions, and Hot Jupiters. <i>Astronomical Journal</i> , 2019 , 157, 101	4.9	22
81	Cloud Atlas: Discovery of Rotational Spectral Modulations in a Low-mass, L-type Brown Dwarf Companion to a Star. <i>Astronomical Journal</i> , 2018 , 155, 11	4.9	22
80	Cloud Atlas: Rotational Modulations in the L/T Transition Brown Dwarf Companion HN Peg B. <i>Astronomical Journal</i> , 2018 , 155, 132	4.9	22
79	Inner disc rearrangement revealed by dramatic brightness variations in the young star PV Cep. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011 , 413, 2689-2695	4.3	21
78	The HST Large Programme on α Centauri. III. Absolute Proper Motion. <i>Astrophysical Journal</i> , 2018 , 854, 45	4.7	20
77	DO WE REALLY KNOW THE DUST? SYSTEMATICS AND UNCERTAINTIES OF THE MID-INFRARED SPECTRAL ANALYSIS METHODS. <i>Astrophysical Journal</i> , 2009 , 695, 1024-1041	4.7	20
76	Outflows, Disks, and Stellar Content in a Region of High-Mass Star Formation: G5.890-39 with Adaptive Optics. <i>Astrophysical Journal</i> , 2006 , 641, 373-382	4.7	19
75	Cloud Atlas: Rotational Spectral Modulations and Potential Sulfide Clouds in the Planetary-mass, Late T-type Companion Ross 458C. <i>Astrophysical Journal Letters</i> , 2019 , 875, L15	7.9	18
74	An ALMA Survey of Faint Disks in the Chamaeleon I Star-forming Region: Why Are Some Class II Disks so Faint?. <i>Astrophysical Journal</i> , 2018 , 863, 61	4.7	18
73	Clouds in brown dwarfs and giant planets. <i>Astronomische Nachrichten</i> , 2013 , 334, 40-43	0.7	17
72	A PECULIAR YOUNG ERUPTIVE STAR IN THE DARK CLOUD LYND 1340. <i>Astrophysical Journal Letters</i> , 2011 , 733, L8	7.9	17
71	Weather on Other Worlds. IV. H α Emission and Photometric Variability Are Not Correlated in L0 III 8 Dwarfs. <i>Astrophysical Journal</i> , 2017 , 840, 83	4.7	16
70	Cloud Atlas: High-contrast Time-resolved Observations of Planetary-mass Companions. <i>Astronomical Journal</i> , 2019 , 157, 128	4.9	16
69	Precision Optics Manufacturing and Control for Next-Generation Large Telescopes. <i>Nanomanufacturing and Metrology</i> , 2019 , 2, 65-90	3.4	16
68	Imaging search for the unseen companion to μ And A - improving the detection limits with 4 hr observations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2009 , 399, 377-384	4.3	16
67	AN HST IMAGING SURVEY OF LOW-MASS STARS IN THE CHAMAELEON I STAR-FORMING REGION. <i>Astronomical Journal</i> , 2012 , 144, 83	4.9	16
66	A Thousand Earths: A Very Large Aperture, Ultralight Space Telescope Array for Atmospheric Biosignature Surveys. <i>Astronomical Journal</i> , 2019 , 158, 83	4.9	15

65	Thermal Infrared Imaging of MWC 758 with the Large Binocular Telescope: Planetary-driven Spiral Arms?. <i>Astrophysical Journal</i> , 2019 , 882, 20	4.7	15
64	Spectral Variability of VHS J12561257b from 1 to 5 μ m. <i>Astronomical Journal</i> , 2020 , 160, 77	4.9	15
63	ACCESS: A Visual to Near-infrared Spectrum of the Hot Jupiter WASP-43b with Evidence of H ₂ O, but No Evidence of Na or K. <i>Astronomical Journal</i> , 2020 , 159, 13	4.9	14
62	ACCESS: Ground-based Optical Transmission Spectroscopy of the Hot Jupiter WASP-4b. <i>Astronomical Journal</i> , 2019 , 157, 68	4.9	13
61	The HST Large Programme on NGC 6752 III. Multiple populations at the bottom of the main sequence probed in NIR. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019 , 484, 4046-4053	4.3	13
60	Cloud Atlas: Weak Color Modulations Due to Rotation in the Planetary-mass Companion GU Psc b and 11 Other Brown Dwarfs. <i>Astronomical Journal</i> , 2020 , 159, 125	4.9	13
59	Cathodoluminescence microscopy and spectroscopy of forsterite from Kaba meteorite: An application to the study of hydrothermal alteration of parent body. <i>Meteoritics and Planetary Science</i> , 2013 , 48, 2577-2596	2.8	13
58	High-resolution polarimetry of Parsamian 21: revealing the structure of an edge-on FU Ori disc. <i>Monthly Notices of the Royal Astronomical Society</i> , 2008 , 383, 1015-1028	4.3	13
57	Cloud Atlas: Variability in and out of the Water Band in the Planetary-mass HD 203030B Points to Cloud Sedimentation in Low-gravity L Dwarfs. <i>Astrophysical Journal</i> , 2019 , 883, 181	4.7	13
56	Dust Rings and Filaments around the Isolated Young Star V1331 Cygni. <i>Astrophysical Journal</i> , 2007 , 656, 287-292	4.7	12
55	ACCESS and LRG-BEASTS: A Precise New Optical Transmission Spectrum of the Ultrahot Jupiter WASP-103b. <i>Astronomical Journal</i> , 2021 , 162, 34	4.9	12
54	VLT/SPHERE Multiwavelength High-contrast Imaging of the HD 115600 Debris Disk: New Constraints on the Dust Geometry and the Presence of Young Giant Planets. <i>Astronomical Journal</i> , 2019 , 157, 39	4.9	11
53	High contrast imaging at the LBT: the LEECH exoplanet imaging survey 2014 ,		11
52	TESS Observations of the Luhman 16 AB Brown Dwarf System: Rotational Periods, Lightcurve Evolution, and Zonal Circulation. <i>Astrophysical Journal</i> , 2021 , 906, 64	4.7	11
51	Weather on Other Worlds. V. The Three Most Rapidly Rotating Ultra-cool Dwarfs. <i>Astronomical Journal</i> , 2021 , 161, 224	4.9	10
50	Hubble Space Telescope astrometry of the closest brown dwarf binary system II. Overview and improved orbit?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017 , 470, 1140-1155	4.3	9
49	MEASURING ORGANIC MOLECULAR EMISSION IN DISKS WITH LOW-RESOLUTION SPITZER SPECTROSCOPY. <i>Astrophysical Journal</i> , 2011 , 734, 27	4.7	9
48	Lessons from a High-Impact Observatory: The Hubble Space Telescope Science Productivity between 1998 and 2008. <i>Publications of the Astronomical Society of the Pacific</i> , 2010 , 122, 808-826	5	9

47	Hidden Worlds: Dynamical Architecture Predictions of Undetected Planets in Multi-planet Systems and Applications to TESS Systems. <i>Astronomical Journal</i> , 2020 , 160, 107	4.9	9
46	Cloud Atlas: High-precision HST/WFC3/IR Time-resolved Observations of Directly Imaged Exoplanet HD 106906b. <i>Astronomical Journal</i> , 2020 , 159, 140	4.9	8
45	Testing Earthlike Atmospheric Evolution on Exo-Earths through Oxygen Absorption: Required Sample Sizes and the Advantage of Age-based Target Selection. <i>Astrophysical Journal</i> , 2020 , 896, 131	4.7	8
44	The LEECH Exoplanet Imaging Survey. Further constraints on the planet architecture of the HR 8799 system(Corrigendum). <i>Astronomy and Astrophysics</i> , 2015 , 579, C2	5.1	8
43	Hubble Space Telescope UV and H α Measurements of the Accretion Excess Emission from the Young Giant Planet PDS 70 b. <i>Astronomical Journal</i> , 2021 , 161, 244	4.9	8
42	3.8 μ m Imaging of 4000 K Brown Dwarfs and Orbital Constraints for WISEP J045853.90+643452.6AB. <i>Astrophysical Journal</i> , 2019 , 882, 117	4.7	8
41	A CANDIDATE PLANETARY-MASS OBJECT WITH A PHOTOEVAPORATING DISK IN ORION. <i>Astrophysical Journal Letters</i> , 2016 , 833, L16	7.9	7
40	EDEN: Sensitivity Analysis and Transiting Planet Detection Limits for Nearby Late Red Dwarfs. <i>Astronomical Journal</i> , 2020 , 159, 169	4.9	7
39	Earths in Other Solar Systems N-body Simulations: The Role of Orbital Damping in Reproducing the Kepler Planetary Systems. <i>Astrophysical Journal</i> , 2020 , 897, 72	4.7	7
38	OBSERVATIONAL CONSTRAINTS ON THE STELLAR RADIATION FIELD IMPINGING ON TRANSITIONAL DISK ATMOSPHERES. <i>Astrophysical Journal</i> , 2012 , 759, 47	4.7	7
37	ACCESS: Confirmation of No Potassium in the Atmosphere of WASP-31b. <i>Astronomical Journal</i> , 2020 , 160, 230	4.9	7
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