

Daniel Apai

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8959437/publications.pdf>

Version: 2024-02-01

174
papers

9,563
citations

31976
53
h-index

48315
88
g-index

180
all docs

180
docs citations

180
times ranked

4342
citing authors

#	ARTICLE	IF	CITATIONS
1	A Giant Planet Imaged in the Disk of the Young Star $\hat{1}^2$ Pictoris. <i>Science</i> , 2010, 329, 57-59.	12.6	681
2	A STEEPER THAN LINEAR DISK MASS–STELLAR MASS SCALING RELATION. <i>Astrophysical Journal</i> , 2016, 831, 125.	4.5	354
3	A COMBINED SUBARU/VLT/MMT 1-5 $\hat{1}/4$ m STUDY OF PLANETS ORBITING HR 8799: IMPLICATIONS FOR ATMOSPHERIC PROPERTIES, MASSES, AND FORMATION. <i>Astrophysical Journal</i> , 2011, 729, 128.	4.5	233
4	The Transit Light Source Effect: False Spectral Features and Incorrect Densities for M-dwarf Transiting Planets. <i>Astrophysical Journal</i> , 2018, 853, 122.	4.5	224
5	A STELLAR-MASS-DEPENDENT DROP IN PLANET OCCURRENCE RATES. <i>Astrophysical Journal</i> , 2015, 798, 112.	4.5	209
6	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
7	AN INCREASE IN THE MASS OF PLANETARY SYSTEMS AROUND LOWER-MASS STARS. <i>Astrophysical Journal</i> , 2015, 814, 130.	4.5	191
8	Nearby Debris Disk Systems with High Fractional Luminosity Reconsidered. <i>Astrophysical Journal</i> , 2006, 644, 525-542.	4.5	187
9	<i><i>HST</i></i> SPECTRAL MAPPING OF L/T TRANSITION BROWN DWARFS REVEALS CLOUD THICKNESS VARIATIONS. <i>Astrophysical Journal</i> , 2013, 768, 121.	4.5	183
10	The Onset of Planet Formation in Brown Dwarf Disks. <i>Science</i> , 2005, 310, 834-836.	12.6	177
11	The Exoplanet Population Observation Simulator. I. The Inner Edges of Planetary Systems. <i>Astronomical Journal</i> , 2018, 156, 24.	4.7	161
12	THE DIFFERENT EVOLUTION OF GAS AND DUST IN DISKS AROUND SUN-LIKE AND COOL STARS. <i>Astrophysical Journal</i> , 2009, 696, 143-159.	4.5	157
13	FIRST LIGHT LBT AO IMAGES OF HR 8799 bcde AT 1.6 AND 3.3 $\hat{1}/4$ m: NEW DISCREPANCIES BETWEEN YOUNG PLANETS AND OLD BROWN DWARFS. <i>Astrophysical Journal</i> , 2012, 753, 14.	4.5	152
14	Shadows and spirals in the protoplanetary disk HD–100453. <i>Astronomy and Astrophysics</i> , 2017, 597, A42.	5.1	147
15	First light of the VLT planet finder SPHERE. <i>Astronomy and Astrophysics</i> , 2016, 587, A57.	5.1	129
16	ACCESS I. AN OPTICAL TRANSMISSION SPECTRUM OF GJ 1214b REVEALS A HETEROGENEOUS STELLAR PHOTOSPHERE. <i>Astrophysical Journal</i> , 2017, 834, 151.	4.5	128
17	Orbital characterization of the $\hat{1}^2$ Pictoris b giant planet. <i>Astronomy and Astrophysics</i> , 2012, 542, A41.	5.1	123
18	DISCOVERY OF $H\hat{1}\pm$ EMISSION FROM THE CLOSE COMPANION INSIDE THE GAP OF TRANSITIONAL DISK HD 142527. <i>Astrophysical Journal Letters</i> , 2014, 781, L30.	8.3	114

#	ARTICLE	IF	CITATIONS
19	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
20	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.	4.5	107
21	BROWN DWARF PHOTOSPHERES ARE PATCHY: A <i>HUBBLE SPACE TELESCOPE</i> NEAR-INFRARED SPECTROSCOPIC SURVEY FINDS FREQUENT LOW-LEVEL VARIABILITY. <i>Astrophysical Journal</i> , 2014, 782, 77.	4.5	107
22	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.	8.3	107
23	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.	8.3	106
24	A novel <i>L</i> -band imaging search for giant planets in the Tucana and Pictoris moving groups. <i>Astronomy and Astrophysics</i> , 2007, 472, 321-327.	5.1	105
25	FIRST RESULTS FROM VERY LARGE TELESCOPE NACO APODIZING PHASE PLATE: 4 $\frac{1}{4}$ m IMAGES OF THE EXOPLANET π PICTORIS b. <i>Astrophysical Journal Letters</i> , 2010, 722, L49-L53.	8.3	103
26	PROTOPLANETARY DISK MASSES FROM STARS TO BROWN DWARFS. <i>Astrophysical Journal</i> , 2013, 773, 168.	4.5	103
27	First Detection of Millimeter Dust Emission from Brown Dwarf Disks. <i>Astrophysical Journal</i> , 2003, 593, L57-L60.	4.5	99
28	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.	4.4	99
29	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
30	An ALMA Survey of CO Isotopologue Emission from Protoplanetary Disks in Chamaeleon I. <i>Astrophysical Journal</i> , 2017, 844, 99.	4.5	97
31	A SUPER-SOLAR METALLICITY FOR STARS WITH HOT ROCKY EXOPLANETS. <i>Astronomical Journal</i> , 2016, 152, 187.	4.7	93
32	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.	7.7	90
33	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.	4.7	90
34	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.	4.7	88
35	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.	4.7	87
36	High angular resolution detection of π Pictoris b at 2.18 $\frac{1}{4}$ m. <i>Astronomy and Astrophysics</i> , 2011, 528, L15.	5.1	85

#	ARTICLE	IF	CITATIONS
37	VOLATILE DELIVERY TO PLANETS FROM WATER-RICH PLANETESIMALS AROUND LOW-MASS STARS. <i>Astrophysical Journal</i> , 2015, 804, 9.	4.5	84
38	EVIDENCE AGAINST AN EDGE-ON DISK AROUND THE EXTRASOLAR PLANET, 2MASS 1207 b AND A NEW THICK-CLOUD EXPLANATION FOR ITS UNDERLUMINOSITY ^{<sup>Astrophysical Journal, 2011, 732, 107.}	4.5	82
39	Retrieval of planetary and stellar properties in transmission spectroscopy with Aura. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 480, 5314-5331.	4.4	80
40	MOLECULAR GAS IN YOUNG DEBRIS DISKS. <i>Astrophysical Journal Letters</i> , 2011, 740, L7.	8.3	77
41	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
42	Zones, spots, and planetary-scale waves beating in brown dwarf atmospheres. <i>Science</i> , 2017, 357, 683-687.	12.6	75
43	The Environment of the Optically Brightest Herbig Ae Star, HD 104237. <i>Astrophysical Journal</i> , 2004, 608, 809-830.	4.5	74
44	The position of ρ Pictoris b position relative to the debris disk. <i>Astronomy and Astrophysics</i> , 2012, 542, A40.	5.1	74
45	The HST Large Programme on θ Centauri. II. Internal Kinematics. <i>Astrophysical Journal</i> , 2018, 853, 86.	4.5	73
46	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.	4.5	72
47	K_s -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.	4.5	70
48	The First Detailed Look at a Brown Dwarf Disk. <i>Astrophysical Journal</i> , 2003, 590, L111-L114.	4.5	69
49	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
50	Medium- ϵ Separation Binaries Do Not Affect the First Steps of Planet Formation. <i>Astrophysical Journal</i> , 2008, 673, 477-486.	4.5	69
51	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
52	DAY-SIDE z - ϵ^2 -BAND EMISSION AND ECCENTRICITY OF WASP-12b. <i>Astrophysical Journal Letters</i> , 2010, 716, L36-L40.	8.3	66
53	A Survey for Massive Giant Planets in Debris Disks with Evacuated Inner Cavities. <i>Astrophysical Journal</i> , 2008, 672, 1196-1201.	4.5	65
54	Evolution of young brown dwarf disks in the mid-infrared. <i>Astronomy and Astrophysics</i> , 2004, 427, 245-250.	5.1	63

#	ARTICLE	IF	CITATIONS
55	The Orbit of the Companion to HD 100453A: Binary-driven Spiral Arms in a Protoplanetary Disk. <i>Astrophysical Journal</i> , 2018, 854, 130.	4.5	62
56	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
57	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
58	Crystalline Silicates as a Probe of Disk Formation History. <i>Astrophysical Journal</i> , 2006, 640, L67-L70.	4.5	54
59	REVEALING THE STRUCTURE OF A PRE-TRANSITIONAL DISK: THE CASE OF THE HERBIG F STAR SAO 206462 (HD 107843). <i>Astrophysical Journal</i> , 2010, 714, 1074.	4.5	54
60	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
61	On the Mass Function, Multiplicity, and Origins of Wide-orbit Giant Planets. <i>Astrophysical Journal</i> , 2019, 877, 46.	4.5	53
62	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
63	THE LOW LEVEL OF DEBRIS DISK ACTIVITY AT THE TIME OF THE LATE HEAVY BOMBARDMENT: A SPITZER STUDY OF PRAESEPE. <i>Astrophysical Journal</i> , 2009, 697, 1578-1596.	4.5	51
64	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	50
65	Stirring in massive, young debris discs from spatially resolved Herschel images.... <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 447, 577-597.	4.4	50
66	Probabilistic Constraints on the Mass and Composition of Proxima b. <i>Astrophysical Journal Letters</i> , 2017, 836, L31.	8.3	48
67	THE INNER DISK STRUCTURE, DISK-PLANET INTERACTIONS, AND TEMPORAL EVOLUTION IN THE ρ PICTORIS SYSTEM: A TWO-EPOCH HST/STIS CORONAGRAPHIC STUDY. <i>Astrophysical Journal</i> , 2015, 800, 136.	4.5	47
68	THE GRAY NEEDLE: LARGE GRAINS IN THE HD 15115 DEBRIS DISK FROM LBT/PISCES AND LBT/LMIRcam ADAPTIVE OPTICS IMAGING. <i>Astrophysical Journal</i> , 2012, 752, 57.	4.5	45
69	The LEECH Exoplanet Imaging Survey: Limits on Planet Occurrence Rates under Conservative Assumptions. <i>Astronomical Journal</i> , 2018, 156, 286.	4.7	44
70	A RESOLVED DEBRIS DISK AROUND THE CANDIDATE PLANET-HOSTING STAR HD 95086. <i>Astrophysical Journal Letters</i> , 2013, 775, L51.	8.3	42
71	ALMA Observations of the Young Substellar Binary System 2M1207. <i>Astronomical Journal</i> , 2017, 154, 24.	4.7	42
72	Probing Dust around Brown Dwarfs: The Naked LP 944-20 and the Disk of Chamaeleon Hf 2. <i>Astrophysical Journal</i> , 2002, 573, L115-L117.	4.5	40

#	ARTICLE	IF	CITATIONS
73	The HST large programme on “Centauri” I. Multiple stellar populations at the bottom of the main sequence probed in NIR “Optical. Monthly Notices of the Royal Astronomical Society, 2017, 469, 800-812.	4.4	39
74	The Exoplanet Population Observation Simulator. II. Population Synthesis in the Era of Kepler. Astrophysical Journal, 2019, 887, 157.	4.5	39
75	Optical Outflows in the R Coronae Australis Molecular Cloud. Astrophysical Journal, 2004, 617, 1191-1203.	4.5	38
76	CLOUD STRUCTURE OF THE NEAREST BROWN DWARFS. II. HIGH-AMPLITUDE VARIABILITY FOR LUHMAN 16 A AND B IN AND OUT OF THE 0.99 μm FeH FEATURE. Astrophysical Journal, 2015, 812, 163.	4.5	38
77	NGC 1980 Is Not a Foreground Population of Orion: Spectroscopic Survey of Young Stars with Low Extinction in Orion A. Astronomical Journal, 2017, 153, 188.	4.7	38
78	ALMA CONTINUUM OBSERVATIONS OF A 30 Myr OLD GASEOUS DEBRIS DISK AROUND HD 21997. Astrophysical Journal Letters, 2013, 777, L25.	8.3	37
79	AEOLUS: A MARKOV CHAIN MONTE CARLO CODE FOR MAPPING ULTRACOOOL ATMOSPHERES. AN APPLICATION ON JUPITER AND BROWN DWARF HST LIGHT CURVES. Astrophysical Journal, 2015, 814, 65.	4.5	37
80	Spectral Variability of VHS J1256+1257b from 1 to 5 μm . Astronomical Journal, 2020, 160, 77.	4.7	36
81	ACCESS and LRG-BEASTS: A Precise New Optical Transmission Spectrum of the Ultrahot Jupiter WASP-103b. Astronomical Journal, 2021, 162, 34.	4.7	35
82	THE DISCOVERY OF NEW WARM DEBRIS DISKS AROUND F-TYPE STARS. Astrophysical Journal, 2009, 700, L25-L29.	4.5	33
83	DISCOVERY OF AN EDGE-ON DEBRIS DISK WITH A DUST RING AND AN OUTER DISK WING-TILT ASYMMETRY. Astrophysical Journal Letters, 2015, 812, L33.	8.3	33
84	MAPS OF EVOLVING CLOUD STRUCTURES IN LUHMAN 16AB FROM HST TIME-RESOLVED SPECTROSCOPY. Astrophysical Journal, 2016, 825, 90.	4.5	33
85	Cloud Atlas: Hubble Space Telescope Near-infrared Spectral Library of Brown Dwarfs, Planetary-mass Companions, and Hot Jupiters. Astronomical Journal, 2019, 157, 101.	4.7	32
86	PANCHROMATIC IMAGING OF A TRANSITIONAL DISK: THE DISK OF GM AUR IN OPTICAL AND FUV SCATTERED LIGHT. Astrophysical Journal, 2016, 829, 65.	4.5	31
87	A Thousand Earths: A Very Large Aperture, Ultralight Space Telescope Array for Atmospheric Biosignature Surveys. Astronomical Journal, 2019, 158, 83.	4.7	31
88	Hubble Space Telescope UV and H α Measurements of the Accretion Excess Emission from the Young Giant Planet PDS 70 b. Astronomical Journal, 2021, 161, 244.	4.7	31
89	Weather on Other Worlds. V. The Three Most Rapidly Rotating Ultra-cool Dwarfs. Astronomical Journal, 2021, 161, 224.	4.7	30
90	Imaging low-mass planets within the habitable zone of ϵ Centauri. Nature Communications, 2021, 12, 922.	12.8	29

#	ARTICLE	IF	CITATIONS
91	BENCHMARK TESTS FOR MARKOV CHAIN MONTE CARLO FITTING OF EXOPLANET ECLIPSE OBSERVATIONS. <i>Astrophysical Journal</i> , 2013, 767, 64.	4.5	28
92	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.	4.7	28
93	Protoplanetary disks and planet formation around brown dwarfs and very low-mass stars. <i>Astronomische Nachrichten</i> , 2013, 334, 57-62.	1.2	27
94	MAPPING DIRECTLY IMAGED GIANT EXOPLANETS. <i>Astrophysical Journal</i> , 2013, 762, 47.	4.5	27
95	Cloud Atlas: Rotational Modulations in the L/T Transition Brown Dwarf Companion HN Peg B. <i>Astronomical Journal</i> , 2018, 155, 132.	4.7	27
96	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.	8.3	27
97	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.	4.5	26
98	STELLAR-MASS-DEPENDENT DISK STRUCTURE IN COEVAL PLANET-FORMING DISKS. <i>Astrophysical Journal</i> , 2010, 720, 1668-1673.	4.5	26
99	A SEARCH FOR COMPANIONS TO BROWN DWARFS IN THE TAURUS AND CHAMAELEON STAR-FORMING REGIONS. <i>Astrophysical Journal</i> , 2014, 788, 40.	4.5	26
100	The HST Large Programme on γ Centauri. III. Absolute Proper Motion. <i>Astrophysical Journal</i> , 2018, 854, 45.	4.5	25
101	The <i>HST</i> Large Programme on NGC 6752 II. 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.	4.4	25
102	TESS Observations of the Luhman 16 AB Brown Dwarf System: Rotational Periods, Lightcurve Evolution, and Zonal Circulation*. <i>Astrophysical Journal</i> , 2021, 906, 64.	4.5	24
103	DO WE REALLY KNOW THE DUST? SYSTEMATICS AND UNCERTAINTIES OF THE MID-INFRARED SPECTRAL ANALYSIS METHODS. <i>Astrophysical Journal</i> , 2009, 695, 1024-1041.	4.5	23
104	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.	4.5	23
105	Thermal Infrared Imaging of MWC 758 with the Large Binocular Telescope: Planetary-driven Spiral Arms?. <i>Astrophysical Journal</i> , 2019, 882, 20.	4.5	23
106	Precision Optics Manufacturing and Control for Next-Generation Large Telescopes. <i>Nanomanufacturing and Metrology</i> , 2019, 2, 65-90.	3.0	23
107	ACCESS: A Visual to Near-infrared Spectrum of the Hot Jupiter WASP-43b with Evidence of H_2O , but No Evidence of Na or K. <i>Astronomical Journal</i> , 2020, 159, 13.	4.7	22
108	Outflows, Disks, and Stellar Content in a Region of High-Mass Star Formation: G5.89+0.39 with Adaptive Optics. <i>Astrophysical Journal</i> , 2006, 641, 373-382.	4.5	21

#	ARTICLE	IF	CITATIONS
109	Inner disc rearrangement revealed by dramatic brightness variations in the young star PV&fCep. Monthly Notices of the Royal Astronomical Society, 2011, 413, 2689-2695.	4.4	21
110	Cloud Atlas: High-contrast Time-resolved Observations of Planetary-mass Companions. Astronomical Journal, 2019, 157, 128.	4.7	21
111	Weather on Other Worlds. IV. H \pm Emission and Photometric Variability Are Not Correlated in LO&fT8 Dwarfs. Astrophysical Journal, 2017, 840, 83.	4.5	20
112	A large sub-Neptune transiting the thick-disk M4 V TOI-2406. Astronomy and Astrophysics, 2021, 653, A97.	5.1	20
113	High-resolution polarimetry of Parsamian 21: revealing the structure of an edge-on FU&fOri disc&f.... Monthly Notices of the Royal Astronomical Society, 0, 383, 1015-1028.	4.4	18
114	A PECULIAR YOUNG ERUPTIVE STAR IN THE DARK CLOUD LYND 1340. Astrophysical Journal Letters, 2011, 733, L8.	8.3	18
115	ACCESS: Ground-based Optical Transmission Spectroscopy of the Hot Jupiter WASP-4b. Astronomical Journal, 2019, 157, 68.	4.7	18
116	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. Astronomical Journal, 2019, 157, 39.	4.7	18
117	EDEN: Sensitivity Analysis and Transiting Planet Detection Limits for Nearby Late Red Dwarfs. Astronomical Journal, 2020, 159, 169.	4.7	18
118	LBT transmission spectroscopy of HAT-P-12b. Astronomy and Astrophysics, 2020, 642, A98.	5.1	18
119	AN<i>HST</i>IMAGING SURVEY OF LOW-MASS STARS IN THE CHAMAELEON I STAR-FORMING REGION. Astronomical Journal, 2012, 144, 83.	4.7	17
120	Clouds in brown dwarfs and giant planets. Astronomische Nachrichten, 2013, 334, 40-43.	1.2	17
121	A high-contrast search for variability in HR 8799bc with VLT-SPHERE. Monthly Notices of the Royal Astronomical Society, 2021, 503, 743-767.	4.4	17
122	An Improved Hertzsprung&fRussell Diagram for the Orion Trapezium Cluster. Astrophysical Journal, 2021, 908, 49.	4.5	17
123	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. Astrophysical Journal, 2019, 883, 181.	4.5	17
124	Imaging search for the unseen companion to Îµ Ind A - improving the detection limits with 4 Î¼m observations. Monthly Notices of the Royal Astronomical Society, 2009, 399, 377-384.	4.4	16
125	Cloud Atlas: Weak Color Modulations Due to Rotation in the Planetary-mass Companion GU Psc b and 11 Other Brown Dwarfs. Astronomical Journal, 2020, 159, 125.	4.7	16
126	Hidden Worlds: Dynamical Architecture Predictions of Undetected Planets in Multi-planet Systems and Applications to TESS Systems. Astronomical Journal, 2020, 160, 107.	4.7	16

#	ARTICLE	IF	CITATIONS
127	Hubble Space Telescope astrometry of the closest brown dwarf binary system â€” I. Overview and improved orbitâ€”.... Monthly Notices of the Royal Astronomical Society, 2017, 470, 1140-1155.	4.4	15
128	Earths in Other Solar Systemsâ€™ N-body Simulations: The Role of Orbital Damping in Reproducing the Kepler Planetary Systems. Astrophysical Journal, 2020, 897, 72.	4.5	15
129	Indications for very high metallicity and absence of methane in the eccentric exo-Saturn WASP-117b. Astronomy and Astrophysics, 2021, 646, A168.	5.1	15
130	Cathodoluminescence microscopy and spectroscopy of forsterite from Kaba meteorite: An application to the study of hydrothermal alteration of parent body. Meteoritics and Planetary Science, 2013, 48, 2577-2596.	1.6	14
131	ACCESS: Confirmation of No Potassium in the Atmosphere of WASP-31b. Astronomical Journal, 2020, 160, 230.	4.7	14
132	Lessons from a High-Impact Observatory: The Hubble Space Telescopeâ€™s Science Productivity between 1998 and 2008. Publications of the Astronomical Society of the Pacific, 2010, 122, 808-826.	3.1	13
133	MEASURING ORGANIC MOLECULAR EMISSION IN DISKS WITH LOW-RESOLUTION SPITZER SPECTROSCOPY. Astrophysical Journal, 2011, 734, 27.	4.5	13
134	Cloud Atlas: High-precision HST/WFC3/IR Time-resolved Observations of Directly Imaged Exoplanet HD 106906b. Astronomical Journal, 2020, 159, 140.	4.7	13
135	Dust Rings and Filaments around the Isolated Young Star V1331 Cygni. Astrophysical Journal, 2007, 656, 287-292.	4.5	12
136	Cloud Atlas: Unraveling the Vertical Cloud Structure with the Time-series Spectrophotometry of an Unusually Red Brown Dwarf. Astrophysical Journal, 2020, 903, 15.	4.5	12
137	High contrast imaging at the LBT: the LEECH exoplanet imaging survey. Proceedings of SPIE, 2014, , .	0.8	11
138	3.8 Î¼m Imaging of 400â€“600 K Brown Dwarfs and Orbital Constraints for WISEP J045853.90+643452.6AB. Astrophysical Journal, 2019, 882, 117.	4.5	11
139	Testing Earthlike Atmospheric Evolution on Exo-Earths through Oxygen Absorption: Required Sample Sizes and the Advantage of Age-based Target Selection. Astrophysical Journal, 2020, 896, 131.	4.5	11
140	The LEECH Exoplanet Imaging Survey. Further constraints on the planet architecture of the HR 8799 system (Corrigendum). Astronomy and Astrophysics, 2015, 579, C2.	5.1	10
141	OBSERVATIONAL CONSTRAINTS ON THE STELLAR RADIATION FIELD IMPINGING ON TRANSITIONAL DISK ATMOSPHERES. Astrophysical Journal, 2012, 759, 47.	4.5	9
142	A CANDIDATE PLANETARY-MASS OBJECT WITH A PHOTOEVAPORATING DISK IN ORION. Astrophysical Journal Letters, 2016, 833, L16.	8.3	9
143	Bioverse: A Simulation Framework to Assess the Statistical Power of Future Biosignature Surveys. Astronomical Journal, 2021, 161, 228.	4.7	9
144	ACCESS: An Optical Transmission Spectrum of the High-gravity Hot Jupiter HAT-P-23b. Astronomical Journal, 2021, 161, 278.	4.7	9

#	ARTICLE	IF	CITATIONS
145	The <i>HST</i> large programme on “Centauri” IV. Catalogue of two external fields. Monthly Notices of the Royal Astronomical Society, 2021, 505, 3549-3561.	4.4	9
146	Rotational spectral modulation of cloudless atmospheres for L/T brown dwarfs and extrasolar giant planets. Astronomy and Astrophysics, 2020, 643, A23.	5.1	9
147	An Integrated Analysis with Predictions on the Architecture of the “, Ceti Planetary System, Including a Habitable Zone Planet. Astronomical Journal, 2021, 161, 17.	4.7	9
148	The Scorpion Planet Survey: Wide-orbit Giant Planets Around Young A-type Stars. Astronomical Journal, 2022, 163, 80.	4.7	9
149	First Images of the Protoplanetary Disk around PDS 201. Astronomical Journal, 2020, 159, 252.	4.7	8
150	Direct Imaging Discovery of a Young Brown Dwarf Companion to an A2V Star. Astrophysical Journal Letters, 2020, 902, L6.	8.3	8
151	HST/WFC3 Complete Phase-resolved Spectroscopy of White-dwarf-brown-dwarf Binaries WD 0137 and EPIC 2122. Astronomical Journal, 2022, 163, 17.	4.7	8
152	EDEN: Flare Activity of the Nearby Exoplanet-hosting M Dwarf Wolf 359 Based on K2 and EDEN Light Curves. Astronomical Journal, 2021, 162, 11.	4.7	7
153	The HST large programme on NGC 6752 “ III. Detection of the peak of the white dwarf luminosity function. Monthly Notices of the Royal Astronomical Society, 2019, 488, 3857-3865.	4.4	6
154	Nautilus Observatory: a space telescope array based on very large aperture ultralight diffractive optical elements. , 2019, , .		6
155	THE YOUNG STELLAR POPULATION OF LYND 1340. AN INFRARED VIEW. Astrophysical Journal, Supplement Series, 2016, 224, 22.	7.7	5
156	Searching for technosignatures in exoplanetary systems with current and future missions. Acta Astronautica, 2022, 198, 194-207.	3.2	5
157	NEW CANDIDATE ERUPTIVE YOUNG STARS IN LYND 1340. Astrophysical Journal Letters, 2014, 795, L26.	8.3	4
158	Identifying Exo-Earth Candidates in Direct Imaging Data through Bayesian Classification. Astronomical Journal, 2020, 159, 3.	4.7	4
159	Mapping the Pressure-dependent Day-Night Temperature Contrast of a Strongly Irradiated Atmosphere with HST Spectroscopic Phase Curve. Astronomical Journal, 2022, 163, 8.	4.7	4
160	LBT Reveals Large Dust Particles and a High Mass-loss Rate for K2-22 b. Astronomical Journal, 2021, 162, 57.	4.7	3
161	An Integrative Analysis of the HD 219134 Planetary System and the Inner solar system: Extending DYNAMITE with Enhanced Orbital Dynamical Stability Criteria. Astronomical Journal, 2022, 163, 88.	4.7	3
162	Origins of Planetary Systems: Constraints and Challenges. Earth, Moon and Planets, 2009, 105, 311-320.	0.6	2

#	ARTICLE	IF	CITATIONS
163	LEECH: A 100 Night Exoplanet Imaging Survey at the LBT. Proceedings of the International Astronomical Union, 2013, 8, 70-71.	0.0	2
164	An Integrative Analysis of the Rich Planetary System of the Nearby Star ϵ Eridani: Ideal Targets for Exoplanet Imaging and Biosignature Searches. Astronomical Journal, 2022, 164, 12.	4.7	2
165	Progress toward optical design and fabrication of ultralight, large aperture transmissive lenses for space telescopes. , 2020, , .		1
166	ACCESS I. AN OPTICAL TRANSMISSION SPECTRUM OF GJ 1214b REVEALS A HETEROGENEOUS STELLAR PHOTOSPHERE. Astrophysical Journal, 2017, 834, 151.	4.5	1
167	Brown Dwarf Disks - A Challenge for MIDI. EAS Publications Series, 2003, 6, 285-285.	0.3	0
168	Binary Stars with Component Disks: The Case of Z CMa. EAS Publications Series, 2003, 6, 249-249.	0.3	0
169	The planet companion around $\hat{\iota}^2$ Pictoris. Proceedings of the International Astronomical Union, 2010, 6, 60-63.	0.0	0
170	Visible AO Observations at H α for Accreting Young Planets. Proceedings of the International Astronomical Union, 2013, 8, 32-33.	0.0	0
171	Properties of the young gas giant planet $\hat{\iota}^2$ Pictoris b. Proceedings of the International Astronomical Union, 2013, 8, 241-246.	0.0	0
172	Low-gravity L Dwarfs Are Likely More Variable. Proceedings of the International Astronomical Union, 2015, 10, 121-123.	0.0	0
173	Impact of the Arizona NExSS Winter School on Astrobiology Knowledge and Attitudes. Astrobiology, 2018, 18, 365-375.	3.0	0
174	Characterization and Properties of Earth-like Planets. Proceedings of the International Astronomical Union, 2018, 14, 194-201.	0.0	0