

Esther Buenzli

List of Publications by Year in descending order

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43
papers

2,645
citations

172457

29
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276875

41
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43
all docs

43
docs citations

43
times ranked

1742
citing authors

#	ARTICLE	IF	CITATIONS
1	Asymmetric features in the protoplanetary disk MWC 758. <i>Astronomy and Astrophysics</i> , 2015, 578, L6.	5.1	230
2	<i>HST</i> SPECTRAL MAPPING OF L/T TRANSITION BROWN DWARFS REVEALS CLOUD THICKNESS VARIATIONS. <i>Astrophysical Journal</i> , 2013, 768, 121.	4.5	183
3	Small vs. large dust grains in transitional disks: do different cavity sizes indicate a planet?. <i>Astronomy and Astrophysics</i> , 2013, 560, A105.	5.1	165
4	A global cloud map of the nearest known brown dwarf. <i>Nature</i> , 2014, 505, 654-656.	27.8	159
5	GAPS IN THE HD 169142 PROTOPLANETARY DISK REVEALED BY POLARIMETRIC IMAGING: SIGNS OF ONGOING PLANET FORMATION?. <i>Astrophysical Journal Letters</i> , 2013, 766, L2.	8.3	143
6	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
7	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
8	WEATHER ON THE NEAREST BROWN DWARFS: RESOLVED SIMULTANEOUS MULTI-WAVELENGTH VARIABILITY MONITORING OF WISE J104915.57â€“531906.1AB. <i>Astrophysical Journal Letters</i> , 2013, 778, L10.	8.3	92
9	The VLT/NaCo large program to probe the occurrence of exoplanets and brown dwarfs at wide orbits. <i>Astronomy and Astrophysics</i> , 2015, 573, A127.	5.1	83
10	OPTICAL IMAGING POLARIMETRY OF THE LkCa 15 PROTOPLANETARY DISK WITH SPHERE ZIMPOL. <i>Astrophysical Journal Letters</i> , 2015, 808, L41.	8.3	81
11	First light of the VLT planet finder SPHERE. <i>Astronomy and Astrophysics</i> , 2016, 587, A55.	5.1	81
12	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
13	Zones, spots, and planetary-scale waves beating in brown dwarf atmospheres. <i>Science</i> , 2017, 357, 683-687.	12.6	75
14	The SPHERE view of the planet-forming disk around HD 100546. <i>Astronomy and Astrophysics</i> , 2016, 588, A8.	5.1	72
15	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
16	IMAGES OF THE EXTENDED OUTER REGIONS OF THE DEBRIS RING AROUND HR 4796 A. <i>Astrophysical Journal Letters</i> , 2011, 743, L6.	8.3	71
17	<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
18	IMAGING DISCOVERY OF THE DEBRIS DISK AROUND HIP 79977. <i>Astrophysical Journal Letters</i> , 2013, 763, L29.	8.3	65

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19	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
20	VARIABILITY IN A YOUNG, L/T TRANSITION PLANETARY-MASS OBJECT. <i>Astrophysical Journal Letters</i> , 2015, 813, L23.	8.3	60
21	Dissecting the Moth: discovery of an off-centered ring in the HD 61005 debris disk with high-resolution imaging. <i>Astronomy and Astrophysics</i> , 2010, 524, L1.	5.1	56
22	Shadows and cavities in protoplanetary disks: HD 163296, HD 141569A, and HD 150193A in polarized light. <i>Astronomy and Astrophysics</i> , 2014, 568, A40.	5.1	56
23	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
24	Simultaneous Multiwavelength Variability Characterization of the Free-floating Planetary-mass Object PSO J318.5-22. <i>Astronomical Journal</i> , 2018, 155, 95.	4.7	49
25	A grid of polarization models for Rayleigh scattering planetary atmospheres. <i>Astronomy and Astrophysics</i> , 2009, 504, 259-276.	5.1	45
26	The LEECH Exoplanet Imaging Survey: Limits on Planet Occurrence Rates under Conservative Assumptions. <i>Astronomical Journal</i> , 2018, 156, 286.	4.7	44
27	A Search for Variability in Exoplanet Analogues and Low-Gravity Brown Dwarfs. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , .	4.4	39
28	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. <i>Astrophysical Journal</i> , 2015, 812, 163.	4.5	38
29	Spitzer Variability Properties of Low-gravity L Dwarfs. <i>Astronomical Journal</i> , 2020, 160, 38.	4.7	37
30	MAPS OF EVOLVING CLOUD STRUCTURES IN LUHMAN 16AB FROM HST TIME-RESOLVED SPECTROSCOPY. <i>Astrophysical Journal</i> , 2016, 825, 90.	4.5	33
31	Direct imaging constraints on planet populations detected by microlensing. <i>Astronomy and Astrophysics</i> , 2012, 541, A133.	5.1	26
32	Reduction of polarimetric data using Mueller calculus applied to Nasmyth instruments. <i>Proceedings of SPIE</i> , 2008, , .	0.8	24
33	Long slit spectropolarimetry of Jupiter and Saturn. <i>Icarus</i> , 2011, 212, 701-713.	2.5	19
34	Hubble Space Telescope astrometry of the closest brown dwarf binary system " I. Overview and improved orbit.... <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 470, 1140-1155.	4.4	15
35	Polarimetry and flux distribution in the debris disk around HD 32297. <i>Astronomy and Astrophysics</i> , 2016, 593, A73.	5.1	14
36	DEEP z-BAND OBSERVATIONS OF THE COOLEST Y DWARF. <i>Astrophysical Journal</i> , 2014, 797, 3.	4.5	12

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37	High contrast imaging at the LBT: the LEECH exoplanet imaging survey. Proceedings of SPIE, 2014, , .	0.8	11
38	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
39	HST observations of the limb polarization of Titan. Astronomy and Astrophysics, 2014, 572, A6.	5.1	7
40	Polarization Models for Rayleigh Scattering Planetary Atmospheres. Earth, Moon and Planets, 2009, 105, 153-157.	0.6	2
41	LEECH: A 100 Night Exoplanet Imaging Survey at the LBT. Proceedings of the International Astronomical Union, 2013, 8, 70-71.	0.0	2
42	Large Binocular Telescope Search for Companions and Substructures in the (Pre)transitional Disk of AB Aurigae. Astrophysical Journal, 2022, 926, 71.	4.5	2
43	Results of the NaCo Large Program: probing the occurrence of exoplanets and brown dwarfs at wide orbit. Proceedings of the International Astronomical Union, 2013, 8, 17-20.	0.0	0