

Jeremy Bailey

List of Publications by Year in descending order

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Version: 2024-02-01

60
papers

2,167
citations

201674

27
h-index

289244

40
g-index

62
all docs

62
docs citations

62
times ranked

2081
citing authors

#	ARTICLE	IF	CITATIONS
1	THE ANGLO-AUSTRALIAN PLANET SEARCH XXIV: THE FREQUENCY OF JUPITER ANALOGS. <i>Astrophysical Journal</i> , 2016, 819, 28.	4.5	109
2	High-eccentricity planets from the Anglo-Australian Planet Search. <i>Monthly Notices of the Royal Astronomical Society</i> , 2006, 369, 249-256.	4.4	107
3	Spatially resolved measurements of H ₂ O, HCl, CO, OCS, SO ₂ , cloud opacity, and acid concentration in the Venus near-infrared spectral windows. <i>Journal of Geophysical Research E: Planets</i> , 2014, 119, 1860-1891.	3.6	107
4	Spectrum of hot methane in astronomical objects using a comprehensive computed line list. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 9379-9383.	7.1	93
5	Rainbows, Polarization, and the Search for Habitable Planets. <i>Astrobiology</i> , 2007, 7, 320-332.	3.0	80
6	Cool Jupiters greatly outnumber their toasty siblings: occurrence rates from the Anglo-Australian Planet Search. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 492, 377-383.	4.4	78
7	ON THE FREQUENCY OF JUPITER ANALOGS. <i>Astrophysical Journal</i> , 2011, 727, 102.	4.5	73
8	GJ 832c: A SUPER-EARTH IN THE HABITABLE ZONE. <i>Astrophysical Journal</i> , 2014, 791, 114.	4.5	72
9	Modelling the spectra of planets, brown dwarfs and stars using vstar. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 419, 1913-1929.	4.4	69
10	The temperature of the Venus mesosphere from O ₂ (a ¹ g ₁) airglow observations. <i>Icarus</i> , 2008, 197, 247-259.	2.5	64
11	THE ANGLO-AUSTRALIAN PLANET SEARCH. XXIII. TWO NEW JUPITER ANALOGS. <i>Astrophysical Journal</i> , 2014, 783, 103.	4.5	64
12	THE FREQUENCY OF LOW-MASS EXOPLANETS. III. TOWARD Î _{AT} SHORT PERIODS. <i>Astrophysical Journal</i> , 2011, 738, 81.	4.5	63
13	The polarization of HD 189733. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2016, 459, L109-L113.	3.3	56
14	THE FREQUENCY OF LOW-MASS EXOPLANETS. II. THE "PERIOD VALLEY". <i>Astrophysical Journal</i> , 2010, 722, 1854-1863.	4.5	53
15	A high-sensitivity polarimeter using a ferro-electric liquid crystal modulator. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 449, 3064-3073.	4.4	51
16	Simultaneous infrared and optical observations of the transiting debris cloud around WDÂ1145+017. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 463, 4422-4432.	4.4	51
17	Secondary eclipse observations for seven hot-Jupiters from the Anglo-Australian Telescope. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 454, 3002-3019.	4.4	50
18	A DETAILED ANALYSIS OF THE HD 73526 2:1 RESONANT PLANETARY SYSTEM. <i>Astrophysical Journal</i> , 2014, 780, 140.	4.5	48

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19	K s-band secondary eclipses of WASP-19b and WASP-43b with the Anglo-Australian Telescope... Monthly Notices of the Royal Astronomical Society, 2014, 445, 2746-2757.	4.4	47
20	Ground-based near-infrared observations of water vapour in the Venus troposphere. Icarus, 2013, 222, 364-378.	2.5	45
21	The Dawes Review 3: The Atmospheres of Extrasolar Planets and Brown Dwarfs. Publications of the Astronomical Society of Australia, 2014, 31, .	3.4	43
22	The Anglo-Australian Planet Search. XXV. A Candidate Massive Saturn Analog Orbiting HD 30177. Astronomical Journal, 2017, 153, 167.	4.7	42
23	The distribution of carbon monoxide in the lower atmosphere of Venus. Icarus, 2012, 217, 570-584.	2.5	40
24	Correcting Infrared Spectra for Atmospheric Transmission. Publications of the Astronomical Society of the Pacific, 2007, 119, 228-236.	3.1	39
25	EXAMINING THE BROADBAND EMISSION SPECTRUM OF WASP-19b: A NEW <i>z</i> -BAND ECLIPSE DETECTION. Astrophysical Journal, 2013, 774, 118.	4.5	35
26	Polarization due to rotational distortion in the bright star Regulus. Nature Astronomy, 2017, 1, 690-696.	10.1	33
27	POLARIZATION MEASUREMENTS OF HOT DUST STARS AND THE LOCAL INTERSTELLAR MEDIUM. Astrophysical Journal, 2016, 825, 124.	4.5	32
28	The linear polarization of Southern bright stars measured at the parts-per-million level. Monthly Notices of the Royal Astronomical Society, 2016, 455, 1607-1628.	4.4	32
29	The near-IR spectrum of Titan modeled with an improved methane line list. Icarus, 2011, 213, 218-232.	2.5	29
30	Detection of Planetary and Stellar Companions to Neighboring Stars via a Combination of Radial Velocity and Direct Imaging Techniques. Astronomical Journal, 2019, 157, 252.	4.7	29
31	A comparison of water vapor line parameters for modeling the Venus deep atmosphere. Icarus, 2009, 201, 444-453.	2.5	27
32	The linear polarization of nearby bright stars measured at the parts per million level. Monthly Notices of the Royal Astronomical Society, 2010, , no-no.	4.4	27
33	A multiplanet system of super-Earths orbiting the brightest red dwarf star GJ 887. Science, 2020, 368, 1477-1481.	12.6	27
34	HIPPI-2: A versatile high-precision polarimeter. Publications of the Astronomical Society of Australia, 2020, 37, .	3.4	26
35	EVIDENCE FOR REFLECTED LIGHT FROM THE MOST ECCENTRIC EXOPLANET KNOWN. Astrophysical Journal, 2016, 821, 65.	4.5	23
36	Transits of Known Planets Orbiting a Naked-eye Star. Astronomical Journal, 2020, 160, 129.	4.7	22

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37	A high-precision polarimeter for small telescopes. Monthly Notices of the Royal Astronomical Society, 2017, 465, 1601-1607.	4.4	20
38	Polarized radiative transfer in planetary atmospheres and the polarization of exoplanets. Monthly Notices of the Royal Astronomical Society, 2018, 480, 1613-1625.	4.4	20
39	NEAR-INFRARED CIRCULAR POLARIMETRY AND CORRELATION DIAGRAM IN THE ORION BECKLIN-NEUGEBAUER/KLEINMAN-LOW REGION: CONTRIBUTION OF DICHROIC EXTINCTION. Astrophysical Journal, 2009, 692, L88-L91.	4.5	18
40	The intrinsic and interstellar broadband linear polarization of nearby FGK dwarfs. Monthly Notices of the Royal Astronomical Society, 0, , stx068.	4.4	17
41	The wavelength dependence of interstellar polarization in the Local Hot Bubble. Monthly Notices of the Royal Astronomical Society, 2019, 483, 3636-3646.	4.4	17
42	The Polarization of the Planet-Hosting WASP-18 System. Astronomical Journal, 2018, 156, 293.	4.7	16
43	Modelling the near-infrared spectra of Jupiter using line-by-line methods. Monthly Notices of the Royal Astronomical Society, 2011, 414, 1483-1492.	4.4	15
44	Atmospheric modelling for the removal of telluric features from infrared planetary spectra. Monthly Notices of the Royal Astronomical Society, 2014, 439, 387-399.	4.4	13
45	The rotationally modulated polarization of $\hat{1}\frac{3}{4}$ Boo A. Monthly Notices of the Royal Astronomical Society, 2019, 483, 1574-1581.	4.4	13
46	Multi-band Aperture Polarimetry of Betelgeuse during the 2019â€“20 Dimming. Research Notes of the AAS, 2020, 4, 39.	0.7	13
47	The Science Case for PILOT I: Summary and Overview. Publications of the Astronomical Society of Australia, 2009, 26, 379-396.	3.4	12
48	The rotation of $\hat{1}\frac{1}{2}$ Oph investigated using polarimetry. Monthly Notices of the Royal Astronomical Society, 2020, 494, 2254-2267.	4.4	12
49	Polarized reflected light from the Spica binary system. Nature Astronomy, 2019, 3, 636-641.	10.1	11
50	Polarization of hot Jupiter systems: a likely detection of stellar activity and a possible detection of planetary polarization. Monthly Notices of the Royal Astronomical Society, 2021, 502, 2331-2345.	4.4	10
51	Whence the Interstellar Magnetic Field Shaping the Heliosphere?. Astrophysical Journal, Supplement Series, 2022, 259, 48.	7.7	9
52	Phase-locked polarization by photospheric reflection in the semidetached eclipsing binary $\hat{1}\frac{1}{4}$ Sco. Monthly Notices of the Royal Astronomical Society, 2020, 497, 2175-2189.	4.4	8
53	Polarimetric detection of non-radial oscillation modes in the $\hat{1}\frac{2}{2}$ Cephei star $\hat{1}\frac{2}{2}$ Crucis. Nature Astronomy, 2022, 6, 154-164.	10.1	8
54	The Science Case for PILOT III: the Nearby Universe. Publications of the Astronomical Society of Australia, 2009, 26, 415-438.	3.4	7

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55	Colourâ€“colour and colourâ€“magnitude diagrams for hot Jupiters. Monthly Notices of the Royal Astronomical Society, 2020, 494, 4939-4949.	4.4	7
56	Polarization measurements of the polluted white dwarf G29-38. Monthly Notices of the Royal Astronomical Society, 2020, 494, 4591-4605.	4.4	7
57	Secondary eclipses of WASP-18b â€“ near-infrared observations with the Anglo-Australian Telescope, the Magellan Clay Telescope and the LCOGT network. Monthly Notices of the Royal Astronomical Society, 2019, 483, 5110-5122.	4.4	6
58	Polarimetric and radiative transfer modelling of HDâ172555. Monthly Notices of the Royal Astronomical Society, 2020, 499, 5915-5931.	4.4	6
59	A study of the F-giant star ÎˆScorpii: a post-merger rapid rotator?. Monthly Notices of the Royal Astronomical Society, 2022, 513, 1129-1140.	4.4	5
60	The polarization signature of extra-solar planets. Proceedings of the International Astronomical Union, 2005, 1, 350-355.	0.0	2