Jeremy Bailey

List of Publications by Year
in descending order

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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	Whence the Interstellar Magnetic Field Shaping the Heliosphere?. Astrophysical Journal, Supplement Series, 2022, 259, 48.	7.7	9
2	A study of the F-giant star Î¸ScorpiiÂA: a post-merger rapid rotator?. Monthly Notices of the Royal Astronomical Society, 2022, 513, 1129-1140.	4.4	5
3	Polarimetric detection of non-radial oscillation modes in the Î² Cephei star Î² Crucis. Nature Astronomy, 2022, 6, 154-164.	10.1	8
4	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
5	Colourâ€“colour and colourâ€“magnitude diagrams for hot Jupiters. Monthly Notices of the Royal Astronomical Society, 2020, 494, 4939-4949.	4.4	7
6	Phase-locked polarization by photospheric reflection in the semidetached eclipsing binary Î¼1 Sco. Monthly Notices of the Royal Astronomical Society, 2020, 497, 2175-2189.	4.4	8
7	The rotation of Î±ÂOph investigated using polarimetry. Monthly Notices of the Royal Astronomical Society, 2020, 494, 2254-2267.	4.4	12
8	Polarization measurements of the polluted white dwarf G29-38. Monthly Notices of the Royal Astronomical Society, 2020, 494, 4591-4605.	4.4	7
9	A multiplanet system of super-Earths orbiting the brightest red dwarf star GJ 887. Science, 2020, 368, 1477-1481.	12.6	27
10	Cool Jupiters greatly outnumber their toasty siblings: occurrence rates from the Anglo-Australian Planet Search. Monthly Notices of the Royal Astronomical Society, 2020, 492, 377-383.	4.4	78
11	HIPPI-2: A versatile high-precision polarimeter. Publications of the Astronomical Society of Australia, 2020, 37, .	3.4	26
12	Polarimetric and radiative transfer modelling of HDÂ172555. Monthly Notices of the Royal Astronomical Society, 2020, 499, 5915-5931.	4.4	6
13	Transits of Known Planets Orbiting a Naked-eye Star. Astronomical Journal, 2020, 160, 129.	4.7	22
14	Multi-band Aperture Polarimetry of Betelgeuse during the 2019â€“20 Dimming. Research Notes of the AAS, 2020, 4, 39.	0.7	13
15	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
16	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
17	Polarized reflected light from the Spica binary system. Nature Astronomy, 2019, 3, 636-641.	10.1	11
18	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

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19	The rotationally modulated polarization of Î¾ Boo A. Monthly Notices of the Royal Astronomical Society, 2019, 483, 1574-1581.	4.4	13
20	The Polarization of the Planet-Hosting WASP-18 System. Astronomical Journal, 2018, 156, 293.	4.7	16
21	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
22	The Anglo-Australian Planet Search. XXV. A Candidate Massive Saturn Analog Orbiting HD 30177. Astronomical Journal, 2017, 153, 167.	4.7	42
23	A high-precision polarimeter for small telescopes. Monthly Notices of the Royal Astronomical Society, 2017, 465, 1601-1607.	4.4	20
24	Polarization due to rotational distortion in the bright star Regulus. Nature Astronomy, 2017, 1, 690-696.	10.1	33
25	THE ANGLO-AUSTRALIAN PLANET SEARCH XXIV: THE FREQUENCY OF JUPITER ANALOGS. Astrophysical Journal, 2016, 819, 28.	4.5	109
26	Simultaneous infrared and optical observations of the transiting debris cloud around WDÂ1145+017. Monthly Notices of the Royal Astronomical Society, 2016, 463, 4422-4432.	4.4	51
27	EVIDENCE FOR REFLECTED LIGHT FROM THE MOST ECCENTRIC EXOPLANET KNOWN. Astrophysical Journal, 2016, 821, 65.	4.5	23
28	The polarization of HD 189733. Monthly Notices of the Royal Astronomical Society: Letters, 2016, 459, L109-L113.	3.3	56
29	POLARIZATION MEASUREMENTS OF HOT DUST STARS AND THE LOCAL INTERSTELLAR MEDIUM. Astrophysical Journal, 2016, 825, 124.	4.5	32
30	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
31	Secondary eclipse observations for seven hot-Jupiters from the Anglo-Australian Telescope. Monthly Notices of the Royal Astronomical Society, 2015, 454, 3002-3019.	4.4	50
32	A high-sensitivity polarimeter using a ferro-electric liquid crystal modulator. Monthly Notices of the Royal Astronomical Society, 2015, 449, 3064-3073.	4.4	51
33	A DETAILED ANALYSIS OF THE HD 73526 2:1 RESONANT PLANETARY SYSTEM. Astrophysical Journal, 2014, 780, 140.	4.5	48
34	Spectrum of hot methane in astronomical objects using a comprehensive computed line list. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 9379-9383.	7.1	93
35	K s-band secondary eclipses of WASP-19b and WASP-43b with the Anglo-Australian Telescopeâ˜.... Monthly Notices of the Royal Astronomical Society, 2014, 445, 2746-2757.	4.4	47
36	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

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37	THE ANGLO-AUSTRALIAN PLANET SEARCH. XXIII. TWO NEW JUPITER ANALOGS. Astrophysical Journal, 2014, 783, 103.	4.5	64
38	GJ 832c: A SUPER-EARTH IN THE HABITABLE ZONE. Astrophysical Journal, 2014, 791, 114.	4.5	72
39	Spatially resolved measurements of H₂O, HCl, CO, OCS, SO₂, cloud opacity, and acid concentration in the Venus near-infrared spectral windows. Journal of Geophysical Research E: Planets, 2014, 119, 1860-1891.	3.6	107
40	The Dawes Review 3: The Atmospheres of Extrasolar Planets and Brown Dwarfs. Publications of the Astronomical Society of Australia, 2014, 31, .	3.4	43
41	Ground-based near-infrared observations of water vapour in the Venus troposphere. Icarus, 2013, 222, 364-378.	2.5	45
42	EXAMINING THE BROADBAND EMISSION SPECTRUM OF WASP-19b: A NEWz-BAND ECLIPSE DETECTION. Astrophysical Journal, 2013, 774, 118.	4.5	35
43	Modelling the spectra of planets, brown dwarfs and stars using vstar. Monthly Notices of the Royal Astronomical Society, 2012, 419, 1913-1929.	4.4	69
44	The distribution of carbon monoxide in the lower atmosphere of Venus. Icarus, 2012, 217, 570-584.	2.5	40
45	THE FREQUENCY OF LOW-MASS EXOPLANETS. III. TOWARD Î·_{âŠ•}AT SHORT PERIODS. Astrophysical Journal, 2011, 738, 81.	4.5	63
46	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
47	The near-IR spectrum of Titan modeled with an improved methane line list. Icarus, 2011, 213, 218-232.	2.5	29
48	ON THE FREQUENCY OF JUPITER ANALOGS. Astrophysical Journal, 2011, 727, 102.	4.5	73
49	THE FREQUENCY OF LOW-MASS EXOPLANETS. II. THE â€œPERIOD VALLEYâ€• Astrophysical Journal, 2010, 722, 1854-1863.	4.5	53
50	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
51	NEAR-INFRARED CIRCULAR POLARIMETRY AND CORRELATION DIAGRAMS IN THE ORION BECKLIN-NEUGEBAUER/KLEINMAN-LOW REGION: CONTRIBUTION OF DICHROIC EXTINCTION. Astrophysical Journal, 2009, 692, L88-L91.	4.5	18
52	The Science Case for PILOT I: Summary and Overview. Publications of the Astronomical Society of Australia, 2009, 26, 379-396.	3.4	12
53	A comparison of water vapor line parameters for modeling the Venus deep atmosphere. Icarus, 2009, 201, 444-453.	2.5	27
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	The temperature of the Venus mesosphere from O2 (aÎ”g1) airglow observations. Icarus, 2008, 197, 247-259.	2.5	64
56	Rainbows, Polarization, and the Search for Habitable Planets. Astrobiology, 2007, 7, 320-332.	3.0	80
57	Correcting Infrared Spectra for Atmospheric Transmission. Publications of the Astronomical Society of the Pacific, 2007, 119, 228-236.	3.1	39
58	High-eccentricity planets from the Anglo-Australian Planet Search. Monthly Notices of the Royal Astronomical Society, 2006, 369, 249-256.	4.4	107
59	The polarization signature of extra-solar planets. Proceedings of the International Astronomical Union, 2005, 1, 350-355.	0.0	2
60	The intrinsic and interstellar broadband linear polarization of nearby FGK dwarfs. Monthly Notices of the Royal Astronomical Society, 0, , stx068.	4.4	17