

Keith Bannister

List of Publications by Year in descending order

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76
papers

4,759
citations

117619

34
h-index

95259

68
g-index

79
all docs

79
docs citations

79
times ranked

4114
citing authors

#	ARTICLE	IF	CITATIONS
1	Illuminating gravitational waves: A concordant picture of photons from a neutron star merger. <i>Science</i> , 2017, 358, 1559-1565.	12.6	559
2	A radio counterpart to a neutron star merger. <i>Science</i> , 2017, 358, 1579-1583.	12.6	390
3	A census of baryons in the Universe from localized fast radio bursts. <i>Nature</i> , 2020, 581, 391-395.	27.8	341
4	A single fast radio burst localized to a massive galaxy at cosmological distance. <i>Science</i> , 2019, 365, 565-570.	12.6	295
5	A mildly relativistic wide-angle outflow in the neutron-star merger event GW170817. <i>Nature</i> , 2018, 554, 207-210.	27.8	283
6	The dispersion- α brightness relation for fast radio bursts from a wide-field survey. <i>Nature</i> , 2018, 562, 386-390.	27.8	223
7	The low density and magnetization of a massive galaxy halo exposed by a fast radio burst. <i>Science</i> , 2019, 366, 231-234.	12.6	204
8	THE GALACTIC POSITION DEPENDENCE OF FAST RADIO BURSTS AND THE DISCOVERY OF FRB011025. <i>Astrophysical Journal</i> , 2014, 792, 19.	4.5	140
9	The Detection of an Extremely Bright Fast Radio Burst in a Phased Array Feed Survey. <i>Astrophysical Journal Letters</i> , 2017, 841, L12.	8.3	133
10	Australian square kilometre array pathfinder: I. system description. <i>Publications of the Astronomical Society of Australia</i> , 2021, 38, .	3.4	128
11	The Rapid ASKAP Continuum Survey I: Design and first results. <i>Publications of the Astronomical Society of Australia</i> , 2020, 37, .	3.4	127
12	The Host Galaxies and Progenitors of Fast Radio Bursts Localized with the Australian Square Kilometre Array Pathfinder. <i>Astrophysical Journal Letters</i> , 2020, 895, L37.	8.3	113
13	FRB microstructure revealed by the real-time detection of FRB170827. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 478, 1209-1217.	4.4	107
14	High time resolution and polarization properties of ASKAP-localized fast radio bursts. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 497, 3335-3350.	4.4	93
15	Characterizing the Fast Radio Burst Host Galaxy Population and its Connection to Transients in the Local and Extragalactic Universe. <i>Astronomical Journal</i> , 2022, 163, 69.	4.7	91
16	The Spectral Properties of the Bright Fast Radio Burst Population. <i>Astrophysical Journal Letters</i> , 2019, 872, L19.	8.3	85
17	Spectropolarimetric Analysis of FRB 181112 at Microsecond Resolution: Implications for Fast Radio Burst Emission Mechanism. <i>Astrophysical Journal Letters</i> , 2020, 891, L38.	8.3	82
18	A 22-yr southern sky survey for transient and variable radio sources using the Molonglo Observatory Synthesis Telescope. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 412, 634-664.	4.4	64

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19	LIMITS ON PROMPT, DISPERSED RADIO PULSES FROM GAMMA-RAY BURSTS. <i>Astrophysical Journal</i> , 2012, 757, 38.	4.5	64
20	Discovery of H ₂ gas in a young radio galaxy at $z = 0.44$ using the Australian Square Kilometre Array Pathfinder. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 453, 1249-1267.	4.4	61
21	A HOT COCOON IN THE ULTRALONG GRB 130925A: HINTS OF A POPIII-LIKE PROGENITOR IN A LOW-DENSITY WIND ENVIRONMENT. <i>Astrophysical Journal Letters</i> , 2014, 790, L15.	8.3	57
22	Real-time detection of an extreme scattering event: Constraints on Galactic plasma lenses. <i>Science</i> , 2016, 351, 354-356.	12.6	53
23	The $z < i > z < /i >$ DM distribution of fast radio bursts. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 509, 4775-4802.	4.4	52
24	The slope of the source-count distribution for fast radio bursts. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 483, 1342-1353.	4.4	46
25	Chronicle the Host Galaxy Properties of the Remarkable Repeating FRB 20201124A. <i>Astrophysical Journal Letters</i> , 2021, 919, L23.	8.3	45
26	Optical properties of high-frequency radio sources from the Australia Telescope 20 GHz (AT20G) Survey. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 417, 2651-2675.	4.4	43
27	No Low-frequency Emission from Extremely Bright Fast Radio Bursts. <i>Astrophysical Journal Letters</i> , 2018, 867, L12.	8.3	42
28	A High-resolution View of Fast Radio Burst Host Environments. <i>Astrophysical Journal</i> , 2021, 917, 75.	4.5	41
29	Limits on Precursor and Afterglow Radio Emission from a Fast Radio Burst in a Star-forming Galaxy. <i>Astrophysical Journal Letters</i> , 2020, 901, L20.	8.3	40
30	The fast radio burst population evolves, consistent with the star formation rate. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2021, 510, L18-L23.	3.3	39
31	A Galactic origin for the fast radio burst FRB010621. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 440, 353-358.	4.4	38
32	A Search for the Host Galaxy of FRB 171020. <i>Astrophysical Journal Letters</i> , 2018, 867, L10.	8.3	38
33	A DEEP SEARCH FOR PROMPT RADIO EMISSION FROM THE SHORT GRB 150424A WITH THE MURCHISON WIDEFIELD ARRAY. <i>Astrophysical Journal Letters</i> , 2015, 814, L25.	8.3	37
34	A population analysis of pulse broadening in ASKAP fast radio bursts. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 497, 1382-1390.	4.4	35
35	Extreme Radio-wave Scattering Associated with Hot Stars. <i>Astrophysical Journal</i> , 2017, 843, 15.	4.5	31
36	Illuminating the past 8 billion years of cold gas towards two gravitationally lensed quasars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 465, 4450-4467.	4.4	31

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37	Dissecting the Local Environment of FRB 190608 in the Spiral Arm of its Host Galaxy. <i>Astrophysical Journal</i> , 2021, 922, 173.	4.5	31
38	A search for long-time-scale, low-frequency radio transients. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 466, 1944-1953.	4.4	30
39	A deep/wide 1.4 GHz snapshot survey of SDSS Stripe 82 using the Karl G. Jansky Very Large Array in a compact hybrid configuration. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 460, 4433-4452.	4.4	28
40	DYNAMIC SPECTRAL MAPPING OF INTERSTELLAR PLASMA LENSES. <i>Astrophysical Journal</i> , 2016, 817, 176.	4.5	27
41	Wide-field broad-band radio imaging with phased array feeds: a pilot multi-epoch continuum survey with ASKAP-BETA. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 457, 4160-4178.	4.4	26
42	Disentangling the Cosmic Web toward FRB 190608. <i>Astrophysical Journal</i> , 2020, 901, 134.	4.5	26
43	Connecting X-ray absorption and 21 cm neutral hydrogen absorption in obscured radio AGN. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 471, 2952-2973.	4.4	24
44	An X-ray and UV flare from the galaxy XMMSL1 J061927.1-655311. <i>Astronomy and Astrophysics</i> , 2014, 572, A1.	5.1	23
45	A pilot survey for transients and variables with the Australian Square Kilometre Array Pathfinder. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 478, 1784-1794.	4.4	20
46	A survey of the Galactic plane for dispersed radio pulses with the Australian Square Kilometre Array Pathfinder. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 486, 166-174.	4.4	20
47	A fast radio burst in the direction of the Virgo Cluster. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 490, 1-8.	4.4	19
48	The performance and calibration of the CRAFT fly's eye fast radio burst survey. <i>Publications of the Astronomical Society of Australia</i> , 2019, 36, .	3.4	18
49	A southern sky search for repeating fast radio bursts using the Australian SKA Pathfinder. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 486, 70-76.	4.4	16
50	THE DEEPEST CONSTRAINTS ON RADIO AND X-RAY MAGNETIC ACTIVITY IN ULTRACOOL DWARFS FROM WISE J104915.57-531906.1. <i>Astrophysical Journal Letters</i> , 2015, 805, L3.	8.3	14
51	ASKAP observations of multiple rapid scintillators reveal a degrees-long plasma filament. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 502, 3294-3311.	4.4	14
52	Murchison Widefield Array rapid-response observations of the short GRB 180805A. <i>Publications of the Astronomical Society of Australia</i> , 2021, 38, .	3.4	12
53	Astrometric accuracy of snapshot fast radio burst localisations with ASKAP. <i>Publications of the Astronomical Society of Australia</i> , 2021, 38, .	3.4	12
54	A search for supernova-like optical counterparts to ASKAP-localised fast radio bursts. <i>Astronomy and Astrophysics</i> , 2020, 639, A119.	5.1	12

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55	Classical Novae at Radio Wavelengths. <i>Astrophysical Journal, Supplement Series</i> , 2021, 257, 49.	7.7	12
56	High-velocity OH megamasers in IRAS 20100 $\hat{\sim}$ 4156: evidence for a supermassive black hole. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 460, 2180-2185.	4.4	10
57	An optimised gravitational wave follow-up strategy with the Australian Square Kilometre Array Pathfinder. <i>Publications of the Astronomical Society of Australia</i> , 2019, 36, .	3.4	10
58	Constraining bright optical counterparts of fast radio bursts. <i>Astronomy and Astrophysics</i> , 2021, 653, A119.	5.1	10
59	Early-time searches for coherent radio emission from short GRBs with the Murchison Widefield Array. <i>Publications of the Astronomical Society of Australia</i> , 2022, 39, .	3.4	9
60	The radio spectral energy distribution of infrared-faint radio sources. <i>Astronomy and Astrophysics</i> , 2016, 593, A130.	5.1	8
61	Spatial filtering experiment with the ASKAP beta array. , 2016, , .		8
62	Spica and the annual cycle of PKS B1322 $\hat{\sim}$ 110 scintillations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 487, 4372-4381.	4.4	8
63	Measurement of the Rate Distribution of the Population of Repeating Fast Radio Bursts: Implications for Progenitor Models. <i>Astrophysical Journal Letters</i> , 2020, 895, L22.	8.3	8
64	A search for fast-radio-burst-like emission from Fermi gamma-ray bursts. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 497, 125-129.	4.4	7
65	Estimating the Contribution of Foreground Halos to the FRB 180924 Dispersion Measure. <i>Astrophysical Journal</i> , 2021, 921, 134.	4.5	7
66	TWO EFFICIENT, NEW TECHNIQUES FOR DETECTING DISPERSED RADIO PULSES WITH INTERFEROMETERS: THE CHIRPOLATOR AND THE CHIMAGEATOR. <i>Astrophysical Journal, Supplement Series</i> , 2011, 196, 16.	7.7	6
67	Scintillation kinks, bumps and wiggles in the radio spectrum of the quasar PMN $\hat{\sim}$ 1106 $\hat{\sim}$ 3647. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 469, 5023-5032.	4.4	4
68	Field sources near the southern-sky calibrator PKS B1934-638: effect on spectral line observations with SKA-MID and its precursors. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 494, 5018-5028.	4.4	4
69	The capability of the Australian Square Kilometre Array Pathfinder to detect prompt radio bursts from neutron star mergers. <i>Publications of the Astronomical Society of Australia</i> , 2020, 37, .	3.4	4
70	High time resolution search for prompt radio emission from the long GRB 210419A with the Murchison Widefield Array. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 514, 2756-2768.	4.4	4
71	Australia $\hat{\sim}$ s game-changing fast radio burst hunter. <i>Nature Astronomy</i> , 2018, 2, 922-922.	10.1	1
72	Optical Study of PKS B1322-110, the Intra-hour Variable Radio Source. <i>Astrophysical Journal</i> , 2020, 900, 169.	4.5	1

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73	The annual cycle in scintillation timescale of PMNÂJ1726+0639. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	1
74	Memory-efficient w-projection with the fast Gauss transform. Monthly Notices of the Royal Astronomical Society, 2013, 430, 2390-2400.	4.4	0
75	SMSS J130522.47â~293113.0: a high-latitude stellar X-ray source with pc-scale outflow relics?. Monthly Notices of the Royal Astronomical Society, 2018, 477, 766-779.	4.4	0
76	ASKAP: From Commissioning to Operations. , 2021, , .		0