Keith Bannister

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8209790/publications.pdf

Version: 2024-02-01

76	4,759	117625	95266
papers	citations	34 h-index	68 g-index

79	79	79	4114
all docs	docs citations	times ranked	citing authors

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

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19	LIMITS ON PROMPT, DISPERSED RADIO PULSES FROM GAMMA-RAY BURSTS. Astrophysical Journal, 2012, 757, 38.	4.5	64
20	Discovery of Hâ€‰i gas in a young radio galaxy at z = 0.44 using the Australian Square Kilometre Array Pathfinder. Monthly Notices of the Royal Astronomical Society, 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. Astrophysical Journal Letters, 2014, 790, L15.	8.3	57
22	Real-time detection of an extreme scattering event: Constraints on Galactic plasma lenses. Science, 2016, 351, 354-356.	12.6	53
23	The zâ€“DM distribution of fast radio bursts. Monthly Notices of the Royal Astronomical Society, 2021, 509, 4775-4802.	4.4	52
24	The slope of the source-count distribution for fast radio bursts. Monthly Notices of the Royal Astronomical Society, 2019, 483, 1342-1353.	4.4	46
25	Chronicling the Host Galaxy Properties of the Remarkable Repeating FRB 20201124A. Astrophysical Journal Letters, 2021, 919, L23.	8.3	45
26	Optical properties of high-frequency radio sources from the Australia Telescope 20â€ƒGHz (AT20G) Survey. Monthly Notices of the Royal Astronomical Society, 2011, 417, 2651-2675.	4.4	43
27	No Low-frequency Emission from Extremely Bright Fast Radio Bursts. Astrophysical Journal Letters, 2018, 867, L12.	8.3	42
28	A High-resolution View of Fast Radio Burst Host Environments. Astrophysical Journal, 2021, 917, 75.	4.5	41
29	Limits on Precursor and Afterglow Radio Emission from a Fast Radio Burst in a Star-forming Galaxy. Astrophysical Journal Letters, 2020, 901, L20.	8.3	40
30	The fast radio burst population evolves, consistent with the star formation rate. Monthly Notices of the Royal Astronomical Society: Letters, 2021, 510, L18-L23.	3.3	39
31	A Galactic origin for the fast radio burst FRB010621. Monthly Notices of the Royal Astronomical Society, 2014, 440, 353-358.	4.4	38
32	A Search for the Host Galaxy of FRB 171020. Astrophysical Journal Letters, 2018, 867, L10.	8.3	38
33	A DEEP SEARCH FOR PROMPT RADIO EMISSION FROM THE SHORT GRB 150424A WITH THE MURCHISON WIDEFIELD ARRAY. Astrophysical Journal Letters, 2015, 814, L25.	8.3	37
34	A population analysis of pulse broadening in ASKAP fast radio bursts. Monthly Notices of the Royal Astronomical Society, 2020, 497, 1382-1390.	4.4	35
35	Extreme Radio-wave Scattering Associated with Hot Stars. Astrophysical Journal, 2017, 843, 15.	4.5	31
36	Illuminating the past 8Âbillion years of cold gas towards two gravitationally lensed quasars. Monthly Notices of the Royal Astronomical Society, 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. Astrophysical Journal, 2021, 922, 173.	4.5	31
38	A search for long-time-scale, low-frequency radio transients. Monthly Notices of the Royal Astronomical Society, 2017, 466, 1944-1953.	4.4	30
39	A deep/wide 1â€“2ÂGHz snapshot survey of SDSS Stripe 82 using the Karl G. Jansky Very Large Array in a compact hybrid configuration. Monthly Notices of the Royal Astronomical Society, 2016, 460, 4433-4452.	4.4	28
40	DYNAMIC SPECTRAL MAPPING OF INTERSTELLAR PLASMA LENSES. Astrophysical Journal, 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. Monthly Notices of the Royal Astronomical Society, 2016, 457, 4160-4178.	4.4	26
42	Disentangling the Cosmic Web toward FRB 190608. Astrophysical Journal, 2020, 901, 134.	4.5	26
43	Connecting X-ray absorption and 21Âcm neutral hydrogen absorption in obscured radio AGN. Monthly Notices of the Royal Astronomical Society, 2017, 471, 2952-2973.	4.4	24
44	An X-ray and UV flare from the galaxy XMMSL1 J061927.1-655311. Astronomy and Astrophysics, 2014, 572, A1.	5.1	23
45	A pilot survey for transients and variables with the Australian Square Kilometre Array Pathfinder. Monthly Notices of the Royal Astronomical Society, 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. Monthly Notices of the Royal Astronomical Society, 2019, 486, 166-174.	4.4	20
47	A fast radio burst in the direction of the Virgo Cluster. Monthly Notices of the Royal Astronomical Society, 2019, 490, 1-8.	4.4	19
48	The performance and calibration of the CRAFT flyâ€™s eye fast radio burst survey. Publications of the Astronomical Society of Australia, 2019, 36, .	3.4	18
49	A southern sky search for repeating fast radio bursts using the Australian SKA Pathfinder. Monthly Notices of the Royal Astronomical Society, 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. Astrophysical Journal Letters, 2015, 805, L3.	8.3	14
51	ASKAP observations of multiple rapid scintillators reveal a degrees-long plasma filament. Monthly Notices of the Royal Astronomical Society, 2021, 502, 3294-3311.	4.4	14
52	Murchison Widefield Array rapid-response observations of the short GRB 180805A. Publications of the Astronomical Society of Australia, 2021, 38, .	3.4	12
53	Astrometric accuracy of snapshot fast radio burst localisations with ASKAP. Publications of the Astronomical Society of Australia, 2021, 38, .	3.4	12
54	A search for supernova-like optical counterparts to ASKAP-localised fast radio bursts. Astronomy and Astrophysics, 2020, 639, A119.	5.1	12

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55	Classical Novae at Radio Wavelengths. Astrophysical Journal, Supplement Series, 2021, 257, 49.	7.7	12
56	High-velocity OH megamasers in IRAS 20100â˜4156: evidence for a supermassive black hole. Monthly Notices of the Royal Astronomical Society, 2016, 460, 2180-2185.	4.4	10
57	An optimised gravitational wave follow-up strategy with the Australian Square Kilometre Array Pathfinder. Publications of the Astronomical Society of Australia, 2019, 36, .	3.4	10
58	Constraining bright optical counterparts of fast radio bursts. Astronomy and Astrophysics, 2021, 653, A119.	5.1	10
59	Early-time searches for coherent radio emission from short GRBs with the Murchison Widefield Array. Publications of the Astronomical Society of Australia, 2022, 39, .	3.4	9
60	The radio spectral energy distribution of infrared-faint radio sources. Astronomy and Astrophysics, 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 B1322â€“110 scintillations. Monthly Notices of the Royal Astronomical Society, 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. Astrophysical Journal Letters, 2020, 895, L22.	8.3	8
64	A search for fast-radio-burst-like emission from Fermi gamma-ray bursts. Monthly Notices of the Royal Astronomical Society, 2020, 497, 125-129.	4.4	7
65	Estimating the Contribution of Foreground Halos to the FRB 180924 Dispersion Measure. Astrophysical Journal, 2021, 921, 134.	4.5	7
66	TWO EFFICIENT, NEW TECHNIQUES FOR DETECTING DISPERSED RADIO PULSES WITH INTERFEROMETERS: THE CHIRPOLATOR AND THE CHIMAGEATOR. Astrophysical Journal, Supplement Series, 2011, 196, 16.	7.7	6
67	Scintillation kinks, bumps and wiggles in the radio spectrum of the quasar PMNÂJ1106â˜3647. Monthly Notices of the Royal Astronomical Society, 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. Monthly Notices of the Royal Astronomical Society, 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. Publications of the Astronomical Society of Australia, 2020, 37, .	3.4	4
70	High time resolution search for prompt radio emission from the long GRB 210419A with the Murchison Widefield Array. Monthly Notices of the Royal Astronomical Society, 2022, 514, 2756-2768.	4.4	4
71	Australiaâ€™s game-changing fast radio burst hunter. Nature Astronomy, 2018, 2, 922-922.	10.1	1
72	Optical Study of PKS B1322-110, the Intra-hour Variable Radio Source. Astrophysical Journal, 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