

Ian Heywood

List of Publications by Year in descending order

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Version: 2024-02-01

71
papers

2,351
citations

257450
24
h-index

223800
46
g-index

71
all docs

71
docs citations

71
times ranked

2978
citing authors

#	ARTICLE	IF	CITATIONS
1	The MeerKAT Galaxy Cluster Legacy Survey. <i>Astronomy and Astrophysics</i> , 2022, 657, A56.	5.1	49
2	The 1.28 GHz MeerKAT Galactic Center Mosaic. <i>Astrophysical Journal</i> , 2022, 925, 165.	4.5	42
3	Statistical Properties of the Population of the Galactic Center Filaments: the Spectral Index and Equipartition Magnetic Field. <i>Astrophysical Journal Letters</i> , 2022, 925, L18.	8.3	14
4	MIGHTEE-HI: the HI size-mass relation over the last billion years. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 512, 2697-2706.	4.4	6
5	Evidence for X-Ray Emission in Excess to the Jet-afterglow Decay 3.5 yr after the Binary Neutron Star Merger GW 170817: A New Emission Component. <i>Astrophysical Journal Letters</i> , 2022, 927, L17.	8.3	41
6	21 new long-term variables in the GX 339.4 field: two years of MeerKAT monitoring. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 512, 5037-5066.	4.4	13
7	MeerKAT uncovers the physics of an odd radio circle. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 513, 1300-1316.	4.4	19
8	MIGHTEE-HI. The relation between the HI gas in galaxies and the cosmic web. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 513, 2168-2177.	4.4	9
9	Discovery of PSR J0523-7125 as a Circularly Polarized Variable Radio Source in the Large Magellanic Cloud. <i>Astrophysical Journal</i> , 2022, 930, 38.	4.5	10
10	Discovery of a radio-emitting neutron star with an ultra-long spin period of 76 s. <i>Nature Astronomy</i> , 2022, 6, 828-836.	10.1	63
11	Looking at the Distant Universe with the MeerKAT Array: Discovery of a Luminous OH Megamaser at $z \gtrsim 0.5$. <i>Astrophysical Journal Letters</i> , 2022, 931, L7.	8.3	2
12	Statistical properties of the population of the Galactic centre filaments II. The spacing between filaments. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 515, 3059-3093.	4.4	6
13	A MeerKAT, e-MERLIN, H.E.S.S., and <i>Swift</i> search for persistent and transient emission associated with three localized FRBs. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 515, 1365-1379.	4.4	4
14	Australian square kilometre array pathfinder: I. system description. <i>Publications of the Astronomical Society of Australia</i> , 2021, 38, .	3.4	128
15	The Galactic center chimneys: the base of the multiphase outflow of the Milky Way. <i>Astronomy and Astrophysics</i> , 2021, 646, A66.	5.1	21
16	Radio and optical observations of the possible AE Aqr twin, LAMOST J024048.51+195226.9. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 503, 3692-3697.	4.4	12
17	Observations of a radio-bright, X-ray obscured GRS 1915+105. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 503, 152-161.	4.4	26
18	MIGHTEE-HI: The HI emission project of the MeerKAT MIGHTEE survey. <i>Astronomy and Astrophysics</i> , 2021, 646, A35.	5.1	45

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19	The black hole transient MAXI J1348-630: evolution of the compact and transient jets during its 2019/2020 outburst. Monthly Notices of the Royal Astronomical Society, 2021, 504, 444-468.	4.4	39
20	Multifrequency observations of SGR J1935+2154. Monthly Notices of the Royal Astronomical Society, 2021, 503, 5367-5384.	4.4	22
21	The VLA Frontier Field Survey: A Comparison of the Radio and UV/Optical Size of $0.3 < z < 3$ Star-forming Galaxies. Astrophysical Journal, 2021, 910, 106.	4.5	11
22	The VLA Frontier Fields Survey: Deep, High-resolution Radio Imaging of the MACS Lensing Clusters at 3 and 6 GHz. Astrophysical Journal, 2021, 910, 105.	4.5	7
23	The nature of sub-millimetre galaxies I: a comparison of AGN and star-forming galaxy SED fits. Monthly Notices of the Royal Astronomical Society, 2021, 505, 1509-1529.	4.4	7
24	MIGHTEE-H α : the baryonic Tully-Fisher relation over the last billion years. Monthly Notices of the Royal Astronomical Society, 2021, 508, 1195-1205.	4.4	21
25	MIGHTEE: are giant radio galaxies more common than we thought?. Monthly Notices of the Royal Astronomical Society, 2021, 501, 3833-3845.	4.4	24
26	MIGHTEE: total intensity radio continuum imaging and the COSMOS/XMM-LSS Early Science fields. Monthly Notices of the Royal Astronomical Society, 2021, 509, 2150-2168.	4.4	39
27	MOSS I: Double radio relics in the Saraswati supercluster. Monthly Notices of the Royal Astronomical Society, 2021, 509, 3086-3101.	4.4	6
28	The Panchromatic Afterglow of GW170817: The Full Uniform Data Set, Modeling, Comparison with Previous Results, and Implications. Astrophysical Journal, 2021, 922, 154.	4.5	27
29	MeerKAT discovery of radio emission from the Vela X-1 bow shock. Monthly Notices of the Royal Astronomical Society, 2021, 510, 515-530.	4.4	8
30	The 2018 outburst of BHXB H1743-322 as seen with MeerKAT. Monthly Notices of the Royal Astronomical Society: Letters, 2020, 491, L29-L33.	3.3	21
31	The 1.28 GHz MeerKAT DEEP2 Image. Astrophysical Journal, 2020, 888, 61.	4.5	80
32	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
33	The Rapid ASKAP Continuum Survey I: Design and first results. Publications of the Astronomical Society of Australia, 2020, 37, .	3.4	127
34	VLA imaging of the XMM-LSS/VIDEO deep field at $1 < z < 2$ GHz. Monthly Notices of the Royal Astronomical Society, 2020, 496, 3469-3481.	4.4	15
35	A MeerKAT survey of nearby nova-like cataclysmic variables. Monthly Notices of the Royal Astronomical Society, 2020, 496, 2542-2557.	4.4	12
36	The relation between the diffuse X-ray luminosity and the radio power of the central AGN in galaxy groups. Monthly Notices of the Royal Astronomical Society, 2020, 497, 2163-2174.	4.4	13

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37	Evidence for a jet and outflow from Sgr A*: a continuum and spectral line study. Monthly Notices of the Royal Astronomical Society, 2020, 499, 3909-3931.	4.4	17
38	MKT J170456.2+482100: the first transient discovered by MeerKAT. Monthly Notices of the Royal Astronomical Society, 2020, 491, 560-575.	4.4	20
39	An extremely powerful long-lived superluminal ejection from the black hole MAXI J1820+070. Nature Astronomy, 2020, 4, 697-703.	10.1	74
40	Radio and X-ray detections of GX 339-4 in quiescence using MeerKAT and <i>Swift</i> . Monthly Notices of the Royal Astronomical Society: Letters, 2020, 493, L132-L137.	3.3	17
41	Unusual Galactic H ii Regions at the Intersection of the Central Molecular Zone and the Far Dust Lane. Astrophysical Journal, 2020, 901, 51.	4.5	4
42	G0.173+0.42: an X-ray and radio magnetized filament near the galactic centre. Monthly Notices of the Royal Astronomical Society, 2020, 500, 3142-3150.	4.4	5
43	Radio source extraction with ProFound. Monthly Notices of the Royal Astronomical Society, 2019, 487, 3971-3989.	4.4	24
44	An ASKAP survey for H&i absorption towards dust-obscured quasars. Monthly Notices of the Royal Astronomical Society, 2019, 489, 4926-4943.	4.4	17
45	Inflation of 430-parsec bipolar radio bubbles in the Galactic Centre by an energetic event. Nature, 2019, 573, 235-237.	27.8	86
46	Nine-hour X-ray quasi-periodic eruptions from a low-mass black hole galactic nucleus. Nature, 2019, 573, 381-384.	27.8	128
47	Towards the first detection of strongly lensed H& emission. Monthly Notices of the Royal Astronomical Society, 2019, 484, 3681-3690.	4.4	9
48	LOFAR observations of the XMM-LSS field. Astronomy and Astrophysics, 2019, 622, A4.	5.1	24
49	Observation of inverse Compton emission from a long γ -ray burst. Nature, 2019, 575, 459-463.	27.8	146
50	A Strong Jet Signature in the Late-time Light Curve of GW170817. Astrophysical Journal Letters, 2018, 868, L11.	8.3	114
51	The Stripe 82 1.2 GHz Very Large Array Snapshot Survey: host galaxy properties and accretion rates of radio galaxies. Monthly Notices of the Royal Astronomical Society, 2018, 480, 358-370.	4.4	22
52	The Stripe 82 1.2 GHz Very Large Array Snapshot Survey: multiwavelength counterparts. Monthly Notices of the Royal Astronomical Society, 2018, 480, 707-721.	4.4	18
53	Connecting X-ray absorption and 21 cm neutral hydrogen absorption in obscured radio AGN. Monthly Notices of the Royal Astronomical Society, 2017, 471, 2952-2973.	4.4	24
54	Illuminating the past 8 billion 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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55	The Australian Square Kilometre Array Pathfinder: Performance of the Boolardy Engineering Test Array. Publications of the Astronomical Society of Australia, 2016, 33, .	3.4	75
56	A deep/wide 1.2 GHz 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
57	Tracing the neutral gas environments of young radio AGN with ASKAP. Astronomische Nachrichten, 2016, 337, 175-179.	1.2	10
58	A pilot ASKAP survey of radio transient events in the region around the intermittent pulsar PSR J1107-5907. Monthly Notices of the Royal Astronomical Society, 2016, 456, 3948-3960.	4.4	23
59	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
60	Discovery of H_2 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
61	Radio Galaxy Zoo: host galaxies and radio morphologies derived from visual inspection. Monthly Notices of the Royal Astronomical Society, 2015, 453, 2327-2341.	4.4	93
62	Strongly lensed neutral hydrogen emission: detection predictions with current and future radio interferometers. Monthly Notices of the Royal Astronomical Society: Letters, 2015, 452, L49-L53.	3.3	9
63	A close-pair binary in a distant triple supermassive black hole system. Nature, 2014, 511, 57-60.	27.8	94
64	Sample variance, source clustering and their influence on the counts of faint radio sources. Monthly Notices of the Royal Astronomical Society, 2013, 432, 2625-2631.	4.4	46
65	Sub-millimetre source identifications and the microjansky source population at 8.4 GHz in the William Herschel Deep Field. Monthly Notices of the Royal Astronomical Society, 2013, 428, 935-951.	4.4	8
66	Ground-state ^{12}CO emission and a resolved jet at 115 GHz (rest frame) in the radio-loud quasar 3C 318. Monthly Notices of the Royal Astronomical Society, 2013, 435, 3376-3384.	4.4	5
67	Exploring the nature of the brightest hyperluminous X-ray source. Astronomische Nachrichten, 2011, 332, 392-397.	1.2	12
68	Further Observations of the Intermediate Mass Black Hole Candidate ESO 243-49 HLX-1. , 2010, , .		1
69	A VIRTUAL SKY WITH EXTRAGALACTIC H I AND CO LINES FOR THE SQUARE KILOMETRE ARRAY AND THE ATACAMA LARGE MILLIMETER/SUBMILLIMETER ARRAY. Astrophysical Journal, 2009, 703, 1890-1903.	4.5	77
70	High-resolution Observations of Low-luminosity Gigahertz-Peaked Spectrum and Compact Steep Spectrum Sources. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	10
71	HI in and behind the Hubble Frontier Field Clusters: A Deep MeerKAT Pilot Search out to $z \sim 0.5$. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	0