

Ian Heywood

List of Publications by Year in descending order

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Version: 2024-02-01

71
papers

2,351
citations

293460

24
h-index

252626

46
g-index

71
all docs

71
docs citations

71
times ranked

3124
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | The MeerKAT Galaxy Cluster Legacy Survey. <i>Astronomy and Astrophysics</i> , 2022, 657, A56. | 2.1 | 49 |
| 2 | The 1.28 GHz MeerKAT Galactic Center Mosaic. <i>Astrophysical Journal</i> , 2022, 925, 165. | 1.6 | 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. | 3.0 | 14 |
| 4 | MIGHTEE-H α : the size-mass relation over the last billion years. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 512, 2697-2706. | 1.6 | 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. | 3.0 | 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. | 1.6 | 13 |
| 7 | MeerKAT uncovers the physics of an odd radio circle. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 513, 1300-1316. | 1.6 | 19 |
| 8 | MIGHTEE α . The relation between the H α gas in galaxies and the cosmic web. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 513, 2168-2177. | 1.6 | 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. | 1.6 | 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. | 4.2 | 63 |
| 11 | Looking at the Distant Universe with the MeerKAT Array: Discovery of a Luminous OH Megamaser at $z > 0.5$. <i>Astrophysical Journal Letters</i> , 2022, 931, L7. | 3.0 | 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. | 1.6 | 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. | 1.6 | 4 |
| 14 | Australian square kilometre array pathfinder: I. system description. <i>Publications of the Astronomical Society of Australia</i> , 2021, 38, . | 1.3 | 128 |
| 15 | The Galactic center chimneys: the base of the multiphase outflow of the Milky Way. <i>Astronomy and Astrophysics</i> , 2021, 646, A66. | 2.1 | 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. | 1.6 | 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. | 1.6 | 26 |
| 18 | MIGHTEE-HI: The HI emission project of the MeerKAT MIGHTEE survey. <i>Astronomy and Astrophysics</i> , 2021, 646, A35. | 2.1 | 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. | 1.6 | 39 |
| 20 | Multifrequency observations of SGR J1935+2154. Monthly Notices of the Royal Astronomical Society, 2021, 503, 5367-5384. | 1.6 | 22 |
| 21 | The VLA Frontier Field Survey: A Comparison of the Radio and UV/Optical Size of $0.3 \leq z \leq 3$ Star-forming Galaxies. Astrophysical Journal, 2021, 910, 106. | 1.6 | 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. | 1.6 | 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. | 1.6 | 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. | 1.6 | 21 |
| 25 | MIGHTEE: are giant radio galaxies more common than we thought?. Monthly Notices of the Royal Astronomical Society, 2021, 501, 3833-3845. | 1.6 | 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. | 1.6 | 39 |
| 27 | MOSS I: Double radio relics in the Saraswati supercluster. Monthly Notices of the Royal Astronomical Society, 2021, 509, 3086-3101. | 1.6 | 6 |
| 28 | The Panchromatic Afterglow of GW170817: The Full Uniform Data Set, Modeling, Comparison with Previous Results, and Implications. Astrophysical Journal, 2021, 922, 154. | 1.6 | 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. | 1.6 | 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. | 1.2 | 21 |
| 31 | The 1.28 GHz MeerKAT DEEP2 Image. Astrophysical Journal, 2020, 888, 61. | 1.6 | 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. | 1.6 | 4 |
| 33 | The Rapid ASKAP Continuum Survey I: Design and first results. Publications of the Astronomical Society of Australia, 2020, 37, . | 1.3 | 127 |
| 34 | VLA imaging of the XMM-LSS/VIDEO deep field at $1 \leq z \leq 2$ GHz. Monthly Notices of the Royal Astronomical Society, 2020, 496, 3469-3481. | 1.6 | 15 |
| 35 | A MeerKAT survey of nearby nova-like cataclysmic variables. Monthly Notices of the Royal Astronomical Society, 2020, 496, 2542-2557. | 1.6 | 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. | 1.6 | 13 |

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|----|--|------|-----------|
| 37 | Evidence for a jet and outflow from Sgr A*: a continuum and spectral line study. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 499, 3909-3931. | 1.6 | 17 |
| 38 | MKT J170456.2+482100: the first transient discovered by MeerKAT. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 491, 560-575. | 1.6 | 20 |
| 39 | An extremely powerful long-lived superluminal ejection from the black hole MAXI J1820+070. <i>Nature Astronomy</i> , 2020, 4, 697-703. | 4.2 | 74 |
| 40 | Radio and X-ray detections of GX 339-4 in quiescence using MeerKAT and <i>Swift</i> . <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2020, 493, L132-L137. | 1.2 | 17 |
| 41 | Unusual Galactic H II Regions at the Intersection of the Central Molecular Zone and the Far Dust Lane. <i>Astrophysical Journal</i> , 2020, 901, 51. | 1.6 | 4 |
| 42 | GO.173+0.42: an X-ray and radio magnetized filament near the galactic centre. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 500, 3142-3150. | 1.6 | 5 |
| 43 | Radio source extraction with ProFound. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 487, 3971-3989. | 1.6 | 24 |
| 44 | An ASKAP survey for H α absorption towards dust-obscured quasars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 489, 4926-4943. | 1.6 | 17 |
| 45 | Inflation of 430-parsec bipolar radio bubbles in the Galactic Centre by an energetic event. <i>Nature</i> , 2019, 573, 235-237. | 13.7 | 86 |
| 46 | Nine-hour X-ray quasi-periodic eruptions from a low-mass black hole galactic nucleus. <i>Nature</i> , 2019, 573, 381-384. | 13.7 | 128 |
| 47 | Towards the first detection of strongly lensed H α emission. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 484, 3681-3690. | 1.6 | 9 |
| 48 | LOFAR observations of the XMM-LSS field. <i>Astronomy and Astrophysics</i> , 2019, 622, A4. | 2.1 | 24 |
| 49 | Observation of inverse Compton emission from a long γ -ray burst. <i>Nature</i> , 2019, 575, 459-463. | 13.7 | 146 |
| 50 | A Strong Jet Signature in the Late-time Light Curve of GW170817. <i>Astrophysical Journal Letters</i> , 2018, 868, L11. | 3.0 | 114 |
| 51 | The Stripe 82 1.2 GHz Very Large Array Snapshot Survey: host galaxy properties and accretion rates of radio galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 480, 358-370. | 1.6 | 22 |
| 52 | The Stripe 82 1.2 GHz Very Large Array Snapshot Survey: multiwavelength counterparts. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 480, 707-721. | 1.6 | 18 |
| 53 | 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. | 1.6 | 24 |
| 54 | 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. | 1.6 | 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, . | 1.3 | 75 |
| 56 | 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. Monthly Notices of the Royal Astronomical Society, 2016, 460, 4433-4452. | 1.6 | 28 |
| 57 | Tracing the neutral gas environments of young radio AGN with ASKAP. Astronomische Nachrichten, 2016, 337, 175-179. | 0.6 | 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. | 1.6 | 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. | 1.6 | 26 |
| 60 | Discovery of $\text{H}\alpha$ 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. | 1.6 | 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. | 1.6 | 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. | 1.2 | 9 |
| 63 | A close-pair binary in a distant triple supermassive black hole system. Nature, 2014, 511, 57-60. | 13.7 | 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. | 1.6 | 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. | 1.6 | 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. | 1.6 | 5 |
| 67 | Exploring the nature of the brightest hyperluminous X-ray source. Astronomische Nachrichten, 2011, 332, 392-397. | 0.6 | 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. | 1.6 | 77 |
| 70 | High-resolution Observations of Low-luminosity Gigahertz-Peaked Spectrum and Compact Steep Spectrum Sources. Monthly Notices of the Royal Astronomical Society, 0, , . | 1.6 | 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, , . | 1.6 | 0 |