

B M Gaensler

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462
papers

20,673
citations

73
h-index

118
g-index

482
ext. papers

23,365
ext. citations

6
avg, IF

7.08
L-index

#	Paper	IF	Citations
462	The Murchison Widefield Array: The Square Kilometre Array Precursor at Low Radio Frequencies. <i>Publications of the Astronomical Society of Australia</i> , 2013 , 30,	5.5	705
461	The Evolution and Structure of Pulsar Wind Nebulae. <i>Annual Review of Astronomy and Astrophysics</i> , 2006 , 44, 17-47	31.7	538
460	A giant gamma-ray flare from the magnetar SGR 1806-20. <i>Nature</i> , 2005 , 434, 1107-9	50.4	372
459	wsclean: an implementation of a fast, generic wide-field imager for radio astronomy. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014 , 444, 606-619	4.3	347
458	A model of diffuse Galactic radio emission from 10 MHz to 100 GHz. <i>Monthly Notices of the Royal Astronomical Society</i> , 2008 , 388, 247-260	4.3	308
457	Science with ASKAP. <i>Experimental Astronomy</i> , 2008 , 22, 151-273	1.3	278
456	Galactic and Extragalactic All-sky Murchison Widefield Array (GLEAM) survey II. A low-frequency extragalactic catalogue. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017 , 464, 1146-1167	4.3	275
455	The Southern Galactic Plane Survey: HI Observations and Analysis. <i>Astrophysical Journal, Supplement Series</i> , 2005 , 158, 178-187	8	256
454	EMU: Evolutionary Map of the Universe. <i>Publications of the Astronomical Society of Australia</i> , 2011 , 28, 215-248	5.5	251
453	Dynamical Formation of Close Binary Systems in Globular Clusters. <i>Astrophysical Journal</i> , 2003 , 591, L131-L134	17.1	245
452	Science with the Murchison Widefield Array. <i>Publications of the Astronomical Society of Australia</i> , 2013 , 30,	5.5	233
451	The Vertical Structure of Warm Ionised Gas in the Milky Way. <i>Publications of the Astronomical Society of Australia</i> , 2008 , 25, 184-200	5.5	217
450	Nonthermal X-Ray Emission from the Shell-Type Supernova Remnant G347.30.5. <i>Astrophysical Journal</i> , 1999 , 525, 357-367	4.7	210
449	CHIME/FRB Discovery of Eight New Repeating Fast Radio Burst Sources. <i>Astrophysical Journal Letters</i> , 2019 , 885, L24	7.9	209
448	A second source of repeating fast radio bursts. <i>Nature</i> , 2019 , 566, 235-238	50.4	207
447	Science with the Australian Square Kilometre Array Pathfinder. <i>Publications of the Astronomical Society of Australia</i> , 2007 , 24, 174-188	5.5	185
446	A bright millisecond-duration radio burst from a Galactic magnetar. <i>Nature</i> , 2020 , 587, 54-58	50.4	184

445	An improved map of the Galactic Faraday sky. <i>Astronomy and Astrophysics</i> , 2012 , 542, A93	5.1	176
444	Rotation Measures of Extragalactic Sources behind the Southern Galactic Plane: New Insights into the Large-Scale Magnetic Field of the Inner Milky Way. <i>Astrophysical Journal</i> , 2007 , 663, 258-266	4.7	167
443	Galactic and Extragalactic All-sky Murchison Widefield Array survey eXtended (GLEAM-X) I: Survey Description and Initial Data Release.. <i>Publications of the Astronomical Society of Australia</i> , 2015 , 32,	5.5	164
442	Chandra Imaging of the X-Ray Nebula Powered by Pulsar B1509-58. <i>Astrophysical Journal</i> , 2002 , 569, 878-893	4.7	161
441	Anomalous X-Ray Pulsars and Soft Gamma-Ray Repeaters in Supernova Remnants. <i>Astrophysical Journal</i> , 2001 , 559, 963-972	4.7	147
440	DUST PRODUCTION AND PARTICLE ACCELERATION IN SUPERNOVA 1987A REVEALED WITH ALMA. <i>Astrophysical Journal Letters</i> , 2014 , 782, L2	7.9	145
439	Giant magnetized outflows from the centre of the Milky Way. <i>Nature</i> , 2013 , 493, 66-9	50.4	144
438	The Outer Scale of Turbulence in the Magnetoionized Galactic Interstellar Medium. <i>Astrophysical Journal</i> , 2008 , 680, 362-370	4.7	143
437	The Karl G. Jansky Very Large Array Sky Survey (VLASS). Science Case and Survey Design. <i>Publications of the Astronomical Society of the Pacific</i> , 2020 , 132, 035001	5	137
436	Compact continuum source finding for next generation radio surveys. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012 , 422, 1812-1824	4.3	137
435	An expanding radio nebula produced by a giant flare from the magnetar SGR 1806-20. <i>Nature</i> , 2005 , 434, 1104-6	50.4	136
434	The Mouse that Soared: High-Resolution X-Ray Imaging of the Pulsar-powered Bow Shock G359.230-0.82. <i>Astrophysical Journal</i> , 2004 , 616, 383-402	4.7	135
433	The CHIME Fast Radio Burst Project: System Overview. <i>Astrophysical Journal</i> , 2018 , 863, 48	4.7	133
432	The magnetic field of the Large Magellanic Cloud revealed through Faraday rotation. <i>Science</i> , 2005 , 307, 1610-2	33.3	133
431	An eccentric binary millisecond pulsar in the galactic plane. <i>Science</i> , 2008 , 320, 1309-12	33.3	131
430	Observations of fast radio bursts at frequencies down to 400 MHz. <i>Nature</i> , 2019 , 566, 230-234	50.4	129
429	Discovery of 35 New Supernova Remnants in the Inner Galaxy. <i>Astrophysical Journal</i> , 2006 , 639, L25-L29	4.7	128
428	Periodic activity from a fast radio burst source. <i>Nature</i> , 2020 , 582, 351-355	50.4	127

427	Radio Polarization from the Inner Galaxy at Arcminute Resolution. <i>Astrophysical Journal</i> , 2001 , 549, 959-978	4.7	125
426	MODELING THE MAGNETIC FIELD IN THE GALACTIC DISK USING NEW ROTATION MEASURE OBSERVATIONS FROM THE VERY LARGE ARRAY. <i>Astrophysical Journal</i> , 2011 , 728, 97	4.7	122
425	Nine New Repeating Fast Radio Burst Sources from CHIME/FRB. <i>Astrophysical Journal Letters</i> , 2020 , 891, L6	7.9	119
424	Estimating extragalactic Faraday rotation. <i>Astronomy and Astrophysics</i> , 2015 , 575, A118	5.1	119
423	A SURVEY OF EXTRAGALACTIC FARADAY ROTATION AT HIGH GALACTIC LATITUDE: THE VERTICAL MAGNETIC FIELD OF THE MILKY WAY TOWARD THE GALACTIC POLES. <i>Astrophysical Journal</i> , 2010 , 714, 1170-1186	4.7	118
422	A Stellar Wind Bubble Coincident with the Anomalous X-Ray Pulsar 1E 1048.1-5937: Are Magnetars Formed from Massive Progenitors?. <i>Astrophysical Journal</i> , 2005 , 620, L95-L98	4.7	115
421	Low-Mach-number turbulence in interstellar gas revealed by radio polarization gradients. <i>Nature</i> , 2011 , 478, 214-7	50.4	112
420	An x-ray nebula associated with the millisecond pulsar B1957+20. <i>Science</i> , 2003 , 299, 1372-4	33.3	111
419	A High-Resolution Study of Nonthermal Radio and X-Ray Emission from Supernova Remnant G347.30.5. <i>Astrophysical Journal</i> , 2004 , 602, 271-285	4.7	111
418	Constraints on the distribution and energetics of fast radio bursts using cosmological hydrodynamic simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015 , 451, 4277-4289	4.3	110
417	Complex Faraday depth structure of active galactic nuclei as revealed by broad-band radio polarimetry. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012 , 421, 3300-3315	4.3	109
416	FIRST SEASON MWA EOR POWER SPECTRUM RESULTS AT REDSHIFT 7. <i>Astrophysical Journal</i> , 2016 , 833, 102	4.7	109
415	A STUDY OF FUNDAMENTAL LIMITATIONS TO STATISTICAL DETECTION OF REDSHIFTED H I FROM THE EPOCH OF REIONIZATION. <i>Astrophysical Journal</i> , 2013 , 776, 6	4.7	108
414	The Southern Galactic Plane Survey: The Test Region. <i>Astrophysical Journal</i> , 2001 , 551, 394-412	4.7	101
413	Follow Up of GW170817 and Its Electromagnetic Counterpart by Australian-Led Observing Programmes. <i>Publications of the Astronomical Society of Australia</i> , 2017 , 34,	5.5	99
412	Discovery of X-Ray Pulsations from the Compact Central Source in the Supernova Remnant 3C 58. <i>Astrophysical Journal</i> , 2002 , 568, 226-231	4.7	99
411	The Southern Galactic Plane Survey: Polarized Radio Continuum Observations and Analysis. <i>Astrophysical Journal, Supplement Series</i> , 2006 , 167, 230-238	8	96
410	Southern Galactic Plane Survey Measurements of the Spatial Power Spectrum of Interstellar Hii in the Inner Galaxy. <i>Astrophysical Journal</i> , 2001 , 561, 264-271	4.7	95

409	Arecibo Pulsar Survey Using ALFA. II. The Young, Highly Relativistic Binary Pulsar J1906+0746. <i>Astrophysical Journal</i> , 2006 , 640, 428-434	4-7	93
408	SNR G320.4-01.2 and PSR B1509-58: new radio observations of a complex interacting system. <i>Monthly Notices of the Royal Astronomical Society</i> , 1999 , 305, 724-736	4-3	93
407	The Nature of Bilateral Supernova Remnants. <i>Astrophysical Journal</i> , 1998 , 493, 781-792	4-7	93
406	Chandra Observations of the Crab-like Supernova Remnant G21.5-0.9. <i>Astrophysical Journal</i> , 2000 , 533, L29-L32	4-7	93
405	Magnetic Fields in Supernova Remnants and Pulsar-Wind Nebulae. <i>Space Science Reviews</i> , 2012 , 166, 231-261	7-5	89
404	The Compact X-Ray Source 1E 1547.0-0408 and the Radio Shell G327.24-0.13: A New Proposed Association between a Candidate Magnetar and a Candidate Supernova Remnant. <i>Astrophysical Journal</i> , 2007 , 667, 1111-1118	4-7	87
403	The Galactic Distribution of Large HiShells. <i>Astrophysical Journal</i> , 2002 , 578, 176-193	4-7	84
402	A Precise Proper Motion for the Crab Pulsar, and the Difficulty of Testing Spin-Kick Alignment for Young Neutron Stars. <i>Astrophysical Journal</i> , 2008 , 677, 1201-1215	4-7	82
401	PSR J1124-5916: Discovery of a Young Energetic Pulsar in the Supernova Remnant G292.0+1.8. <i>Astrophysical Journal</i> , 2002 , 567, L71-L75	4-7	81
400	Another shock for the Bullet cluster, and the source of seed electrons for radio relics. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015 , 449, 1486-1494	4-3	80
399	The Low-Frequency Environment of the Murchison Widefield Array: Radio-Frequency Interference Analysis and Mitigation. <i>Publications of the Astronomical Society of Australia</i> , 2015 , 32,	5-5	79
398	PSR J1833-034: Discovery of the Central Young Pulsar in the Supernova Remnant G21.50.9. <i>Astrophysical Journal</i> , 2006 , 637, 456-465	4-7	79
397	Optical Identification of Multiple Faint X-Ray Sources in the Globular Cluster NGC 6752: Evidence for Numerous Cataclysmic Variables1. <i>Astrophysical Journal</i> , 2002 , 569, 405-417	4-7	79
396	Fundamental physics with the Square Kilometre Array. <i>Publications of the Astronomical Society of Australia</i> , 2020 , 37,	5-5	78
395	The Asymmetric Radio Remnant of SN 1987A. <i>Astrophysical Journal</i> , 1997 , 479, 845-858	4-7	78
394	The Phase II Murchison Widefield Array: Design overview. <i>Publications of the Astronomical Society of Australia</i> , 2018 , 35,	5-5	77
393	Discovery of Four Isolated Millisecond Pulsars. <i>Astrophysical Journal</i> , 1997 , 481, 386-391	4-7	76
392	Light Curves and Radio Structure of the 1999 September Transient Event in V4641 Sagittarii (=XTE J1819054=SAX J1819.30525). <i>Astrophysical Journal</i> , 2000 , 544, 977-992	4-7	74

391	VAST: An ASKAP Survey for Variables and Slow Transients. <i>Publications of the Astronomical Society of Australia</i> , 2013 , 30,	5.5	73
390	XMM-Newton Observations of PSR B1823-13: An Asymmetric Synchrotron Nebula around a Vela-like Pulsar. <i>Astrophysical Journal</i> , 2003 , 588, 441-451	4.7	73
389	blobcat: software to catalogue flood-filled blobs in radio images of total intensity and linear polarization. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012 , 425, 979-996	4.3	71
388	Enhanced Small-Scale Faraday Rotation in the Galactic Spiral Arms. <i>Astrophysical Journal</i> , 2006 , 637, L33-L35	4.7	70
387	Fitting Together the HI Absorption and Emission in the Southern Galactic Plane Survey. <i>Astrophysical Journal</i> , 2003 , 585, 801-822	4.7	70
386	Proper-Motion Measurements of Pulsar B1951+32 in the Supernova Remnant CTB 80. <i>Astrophysical Journal</i> , 2002 , 567, L141-L144	4.7	69
385	A 189 MHz, 2400 deg ² POLARIZATION SURVEY WITH THE MURCHISON WIDEFIELD ARRAY 32-ELEMENT PROTOTYPE. <i>Astrophysical Journal</i> , 2013 , 771, 105	4.7	68
384	Extragalactic Peaked-spectrum Radio Sources at Low Frequencies. <i>Astrophysical Journal</i> , 2017 , 836, 174	4.7	67
383	Chandra Observation of the Globular Cluster NGC 6440 and the Nature of Cluster X-Ray Luminosity Functions. <i>Astrophysical Journal</i> , 2002 , 573, 184-190	4.7	67
382	CHIME/FRB Detection of the Original Repeating Fast Radio Burst Source FRB 121102. <i>Astrophysical Journal Letters</i> , 2019 , 882, L18	7.9	65
381	A New Supernova Remnant Coincident with the Slow X-Ray Pulsar AX J1845-0258. <i>Astrophysical Journal</i> , 1999 , 526, L37-L40	4.7	65
380	Radio Continuum Surveys with Square Kilometre Array Pathfinders. <i>Publications of the Astronomical Society of Australia</i> , 2013 , 30,	5.5	63
379	FAST HOLOGRAPHIC DECONVOLUTION: A NEW TECHNIQUE FOR PRECISION RADIO INTERFEROMETRY. <i>Astrophysical Journal</i> , 2012 , 759, 17	4.7	63
378	Radio observations of PSR B1259 - 63 around periastron. <i>Monthly Notices of the Royal Astronomical Society</i> , 1996 , 279, 1026-1036	4.3	63
377	Magnetically Dominated Strands of Cold Hydrogen in the Riegel-Crutcher Cloud. <i>Astrophysical Journal</i> , 2006 , 652, 1339-1347	4.7	63
376	A Multifrequency Radio Study of Supernova Remnant G292.0+1.8 and Its Pulsar Wind Nebula. <i>Astrophysical Journal</i> , 2003 , 594, 326-339	4.7	63
375	An X-Ray Search for Compact Central Sources in Supernova Remnants. I. SNRs G093.3+6.9, G315.4-0.3, G084.2+0.8, and G127.1+0.5. <i>Astrophysical Journal, Supplement Series</i> , 2004 , 153, 269-315	8	63
374	The EoR sensitivity of the Murchison Widefield Array. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2013 , 429, L5-L9	4.3	62

373	MAGNETIC FIELDS IN LARGE-DIAMETER H II REGIONS REVEALED BY THE FARADAY ROTATION OF COMPACT EXTRAGALACTIC RADIO SOURCES. <i>Astrophysical Journal</i> , 2011 , 736, 83	4.7	62
372	Discovery of Pulsations and a Possible Spectral Feature in the X-Ray Emission from Rotating Radio Transient J1819-458. <i>Astrophysical Journal</i> , 2007 , 670, 1307-1313	4.7	62
371	X-Ray Sources and Their Optical Counterparts in the Globular Cluster M4. <i>Astrophysical Journal</i> , 2004 , 609, 755-765	4.7	62
370	Detection of microgauss coherent magnetic fields in a galaxy five billion years ago. <i>Nature Astronomy</i> , 2017 , 1, 621-626	12.1	62
369	PROPERTIES OF INTERSTELLAR TURBULENCE FROM GRADIENTS OF LINEAR POLARIZATION MAPS. <i>Astrophysical Journal</i> , 2012 , 749, 145	4.7	61
368	FARADAY ROTATION STRUCTURE ON KILOPARSEC SCALES IN THE RADIO LOBES OF CENTAURUS A. <i>Astrophysical Journal</i> , 2009 , 707, 114-125	4.7	61
367	Broadband Observations and Modeling of the Shell-Type Supernova Remnant G347.30.5. <i>Astrophysical Journal</i> , 2001 , 563, 191-201	4.7	61
366	The Murchison Widefield Array Commissioning Survey: A Low-Frequency Catalogue of 14 110 Compact Radio Sources over 6 100 Square Degrees. <i>Publications of the Astronomical Society of Australia</i> , 2014 , 31,	5.5	60
365	X-Ray Detection of Pulsar PSR B1757-24 and Its Nebular Tail. <i>Astrophysical Journal</i> , 2001 , 562, L163-L166	4.7	60
364	Limits on Fast Radio Bursts and other transient sources at 182 MHz using the Murchison Widefield Array. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016 , 458, 3506-3522	4.3	59
363	Exciting the magnetosphere of the magnetar CXOU J164710.2-55216 in Westerlund 1. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2007 , 378, L44-L48	4.3	59
362	Evolution of the Radio Remnant of SN 1987A: 1990-2001. <i>Publications of the Astronomical Society of Australia</i> , 2002 , 19, 207-221	5.5	59
361	THE MURCHISON WIDFIELD ARRAY 21 cm POWER SPECTRUM ANALYSIS METHODOLOGY. <i>Astrophysical Journal</i> , 2016 , 825, 114	4.7	58
360	A Radio and Optical Polarization Study of the Magnetic Field in the Small Magellanic Cloud. <i>Astrophysical Journal</i> , 2008 , 688, 1029-1049	4.7	58
359	Diagnosing the Outflow from the SGR 1806-0 Giant Flare with Radio Observations. <i>Astrophysical Journal</i> , 2006 , 638, 391-396	4.7	58
358	A large age for the pulsar B1757-24 from an upper limit on its proper motion. <i>Nature</i> , 2000 , 406, 158-60	50.4	57
357	The Infrared Detection of the Pulsar Wind Nebula in the Galactic Supernova Remnant 3C 58. <i>Astrophysical Journal</i> , 2008 , 676, L33-L36	4.7	56
356	LIMITS ON PROMPT, DISPERSED RADIO PULSES FROM GAMMA-RAY BURSTS. <i>Astrophysical Journal</i> , 2012 , 757, 38	4.7	55

- 355 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 4-3 55
- 354 DeepChandraObservation of the Pulsar Wind Nebula Powered by Pulsar PSR J18460258 in the Supernova Remnant KES 75. *Astrophysical Journal*, **2008**, 686, 508-519 4-7 55
- 353 Unusual Pulsed X-Ray Emission from the Young, High Magnetic Field Pulsar PSR J11198127. *Astrophysical Journal*, **2005**, 630, 489-494 4-7 55
- 352 Future Cosmological Constraints From Fast Radio Bursts. *Astrophysical Journal*, **2018**, 856, 65 4-7 55
- 351 MULTIFREQUENCY RADIO MEASUREMENTS OF SUPERNOVA 1987A OVER 22 YEARS. *Astrophysical Journal*, **2010**, 710, 1515-1529 4-7 54
- 350 Limits on radio emission from pulsar wind nebulae. *Monthly Notices of the Royal Astronomical Society*, **2000**, 318, 58-66 4-3 54
- 349 The Interstellar Matter in the Direction of the Supernova Remnant G296.5+10.0 and the Central X-Ray Source 1E 1207.48209. *Astronomical Journal*, **2000**, 119, 281-291 4-9 54
- 348 FAST RADIO BURSTS AS PROBES OF MAGNETIC FIELDS IN THE INTERGALACTIC MEDIUM. *Astrophysical Journal*, **2016**, 824, 105 4-7 53
- 347 Deep radio observations of the radio halo of the bullet cluster 1E 0657-55.8. *Monthly Notices of the Royal Astronomical Society*, **2014**, 440, 2901-2915 4-3 53
- 346 Three-dimensional hydrodynamic simulations of asymmetric pulsar wind bow shocks. *Monthly Notices of the Royal Astronomical Society*, **2007**, 374, 793-808 4-3 53
- 345 A Radio Supernova Remnant Associated with the Young Pulsar J11198127. *Astrophysical Journal*, **2001**, 554, 152-160 4-7 53
- 344 THE OUTER DISK OF THE MILKY WAY SEEN IN 21 cm ABSORPTION. *Astrophysical Journal*, **2009**, 693, 1250-1260 4-7 53
- 343 Improving the Epoch of Reionization Power Spectrum Results from Murchison Widefield Array Season 1 Observations. *Astrophysical Journal*, **2019**, 884, 1 4-7 52
- 342 Discovery of a Radio Supernova Remnant and Nonthermal X-Rays Coincident with the TeV Source HESS J1813-178. *Astrophysical Journal*, **2005**, 629, L105-L108 4-7 52
- 341 A Rebrightening of the Radio Nebula Associated with the 2004 December 27 Giant Flare from SGR 1806-20. *Astrophysical Journal*, **2005**, 634, L89-L92 4-7 52
- 340 The UTMOST: A Hybrid Digital Signal Processor Transforms the Molonglo Observatory Synthesis Telescope. *Publications of the Astronomical Society of Australia*, **2017**, 34, 5-5 51
- 339 First limits on the 21cm power spectrum during the Epoch of X-ray heating. *Monthly Notices of the Royal Astronomical Society*, **2016**, 460, 4320-4347 4-3 51
- 338 A Half-Megasecond Chandra Observation of the Oxygen-rich Supernova Remnant G292.0+1.8. *Astrophysical Journal*, **2007**, 670, L121-L124 4-7 51

337	Discovery of the X-Ray Counterpart to the Rotating Radio Transient J1819-1458. <i>Astrophysical Journal</i> , 2006 , 639, L71-L74	4-7	51
336	Observations of PSR J2021+3651 and its X-Ray Pulsar Wind Nebula G75.2+0.1. <i>Astrophysical Journal</i> , 2004 , 612, 389-397	4-7	51
335	Magnetic Fields and Ionized Gas in the Inner Galaxy: An Outer Scale for Turbulence and the Possible Role of HiiRegions. <i>Astrophysical Journal</i> , 2004 , 609, 776-784	4-7	49
334	A BROADBAND POLARIZATION CATALOG OF EXTRAGALACTIC RADIO SOURCES. <i>Astrophysical Journal, Supplement Series</i> , 2014 , 212, 15	8	48
333	MULTI-WAVELENGTH OBSERVATIONS OF THE RADIO MAGNETAR PSR J1622-950 AND DISCOVERY OF ITS POSSIBLY ASSOCIATED SUPERNOVA REMNANT. <i>Astrophysical Journal</i> , 2012 , 751, 53	4-7	48
332	A Distant Extended Spiral Arm in the Fourth Quadrant of the Milky Way. <i>Astrophysical Journal</i> , 2004 , 607, L127-L130	4-7	48
331	ANTISYMMETRY IN THE FARADAY ROTATION SKY CAUSED BY A NEARBY MAGNETIZED BUBBLE. <i>Astrophysical Journal Letters</i> , 2010 , 724, L48-L52	7-9	47
330	[ITAL]Chandra[/ITAL] Observations of the Pulsar Wind Nebula in Supernova Remnant G0.9+0.1. <i>Astrophysical Journal</i> , 2001 , 556, L107-L111	4-7	47
329	SBASS view of polarized Galactic synchrotron at 2.3 GHz as a contaminant to CMB observations. <i>Astronomy and Astrophysics</i> , 2018 , 618, A166	5-1	47
328	BROADBAND SPECTRAL MODELING OF THE EXTREME GIGAHERTZ-PEAKED SPECTRUM RADIO SOURCE PKS B0008-421. <i>Astrophysical Journal</i> , 2015 , 809, 168	4-7	46
327	FARADAY ROTATION FROM MAGNESIUM II ABSORBERS TOWARD POLARIZED BACKGROUND RADIO SOURCES. <i>Astrophysical Journal</i> , 2014 , 795, 63	4-7	46
326	NEW CONSTRAINTS ON THE GALACTIC HALO MAGNETIC FIELD USING ROTATION MEASURES OF EXTRAGALACTIC SOURCES TOWARD THE OUTER GALAXY. <i>Astrophysical Journal</i> , 2012 , 755, 21	4-7	46
325	Parametrizing Epoch of Reionization foregrounds: a deep survey of low-frequency point-source spectra with the Murchison Widefield Array. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016 , 458, 1057-1070	4-3	45
324	SPECTRAL AND MORPHOLOGICAL ANALYSIS OF THE REMNANT OF SUPERNOVA 1987A WITH ALMA AND ATCA. <i>Astrophysical Journal</i> , 2014 , 796, 82	4-7	45
323	A survey for transients and variables with the Murchison Widefield Array 32-tile prototype at 154 MHz. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014 , 438, 352-367	4-3	45
322	Real-time imaging of density ducts between the plasmasphere and ionosphere. <i>Geophysical Research Letters</i> , 2015 , 42, 3707-3714	4-9	45
321	The X-Ray Structure of the Pulsar Bow Shock G189.22+2.90 in the Supernova Remnant IC 443. <i>Astrophysical Journal</i> , 2006 , 648, 1037-1042	4-7	45
320	Constraints on the Distance to SGR 1806-20 from H i Absorption. <i>Astrophysical Journal</i> , 2005 , 630, L161-L163	4-7	45

319	Two Young Radio Pulsars Coincident with EGRET Sources. <i>Astrophysical Journal</i> , 2001 , 552, L45-L48	4-7	45
318	THE RADIO CONTINUUM STRUCTURE OF CENTAURUS A AT 1.4 GHz. <i>Astrophysical Journal</i> , 2011 , 740, 17	4-7	44
317	Detection of Repeating FRB 180916.J0158+65 Down to Frequencies of 300 MHz. <i>Astrophysical Journal Letters</i> , 2020 , 896, L41	7-9	44
316	LOW-FREQUENCY OBSERVATIONS OF LINEARLY POLARIZED STRUCTURES IN THE INTERSTELLAR MEDIUM NEAR THE SOUTH GALACTIC POLE. <i>Astrophysical Journal</i> , 2016 , 830, 38	4-7	44
315	High Angular Resolution ALMA Images of Dust and Molecules in the SN 1987A Ejecta. <i>Astrophysical Journal</i> , 2019 , 886, 51	4-7	44
314	MAGNETIC FIELD STRUCTURE OF THE LARGE MAGELLANIC CLOUD FROM FARADAY ROTATION MEASURES OF DIFFUSE POLARIZED EMISSION. <i>Astrophysical Journal</i> , 2012 , 759, 25	4-7	43
313	THERMAL PLASMA IN THE GIANT LOBES OF THE RADIO GALAXY CENTAURUS A. <i>Astrophysical Journal</i> , 2013 , 764, 162	4-7	43
312	The Peculiar X-Ray Transient IGR J16358-4726. <i>Astrophysical Journal</i> , 2004 , 602, L45-L48	4-7	43
311	A SEARCH FOR FAST RADIO BURSTS AT LOW FREQUENCIES WITH MURCHISON WIDEFIELD ARRAY HIGH TIME RESOLUTION IMAGING. <i>Astronomical Journal</i> , 2015 , 150, 199	4-9	42
310	Linked Evolution of Gas and Star Formation in Galaxies Over Cosmic History. <i>Astrophysical Journal</i> , 2008 , 682, L13-L16	4-7	42
309	Heartbeat of the Mouse: A Young Radio Pulsar Associated with the Axisymmetric Nebula G359.230-0.82. <i>Astrophysical Journal</i> , 2002 , 579, L25-L28	4-7	42
308	Detection of a Compact X-Ray Source in the Supernova Remnant G29.6+0.1: A Variable Anomalous X-Ray Pulsar?. <i>Astrophysical Journal</i> , 2000 , 542, L49-L52	4-7	42
307	X-Ray Observations of the Compact Central Object in Supernova Remnant G347.3-0.5. <i>Astrophysical Journal</i> , 2003 , 593, L27-L30	4-7	41
306	A Nearby Repeating Fast Radio Burst in the Direction of M81. <i>Astrophysical Journal Letters</i> , 2021 , 910, L18	7-9	41
305	ATOMIC HYDROGEN IN A GALACTIC CENTER OUTFLOW. <i>Astrophysical Journal Letters</i> , 2013 , 770, L4	7-9	40
304	The pulsar/supernova remnant connection. <i>Monthly Notices of the Royal Astronomical Society</i> , 1995 , 277, 1243-1253	4-3	40
303	VISIBILITY STACKING IN THE QUEST FOR TYPE Ia SUPERNOVA RADIO EMISSION. <i>Astrophysical Journal Letters</i> , 2011 , 735, L35	7-9	39
302	Loops, Drips, and Walls in the Galactic Chimney GSH 277+00+36. <i>Astrophysical Journal</i> , 2003 , 594, 833-843	4-7	39

301	The First CHIME/FRB Fast Radio Burst Catalog. <i>Astrophysical Journal, Supplement Series</i> , 2021 , 257, 59	8	39
300	SUPPLEMENT: LOCALIZATION AND BROADBAND FOLLOW-UP OF THE GRAVITATIONAL-WAVE TRANSIENT GW150914 (2016, ApJL, 826, L13). <i>Astrophysical Journal, Supplement Series</i> , 2016 , 225, 8	8	38
299	Limiting magnetic fields in the cosmic web with diffuse radio emission. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017 , 468, 4246-4253	4-3	38
298	HIGH-RESOLUTION X-RAY OBSERVATIONS OF THE PULSAR WIND NEBULA ASSOCIATED WITH THE GAMMA-RAY SOURCE HESS J1640-65. <i>Astrophysical Journal</i> , 2009 , 706, 1269-1276	4-7	38
297	X-Ray Observations of the Compact Source in CTA 1. <i>Astrophysical Journal</i> , 2004 , 601, 1045-1049	4-7	38
296	PSR J1016-857: A Young Radio Pulsar with Possible Supernova Remnant, X-Ray, and Gamma-Ray Associations. <i>Astrophysical Journal</i> , 2001 , 557, L51-L55	4-7	38
295	Transient Radio Emission from SAX J1808.4-658. <i>Astrophysical Journal</i> , 1999 , 522, L117-L119	4-7	38
294	Low-frequency radio constraints on the synchrotron cosmic web. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017 , 467, 4914-4936	4-3	37
293	Tracking the Outer Spiral Arms of the Galaxy in HI Absorption. <i>Astronomical Journal</i> , 2007 , 134, 2252-2274	4-9	37
292	No Low-frequency Emission from Extremely Bright Fast Radio Bursts. <i>Astrophysical Journal Letters</i> , 2018 , 867, L12	7-9	37
291	FARADAY TOMOGRAPHY OF THE NORTH POLAR SPUR: CONSTRAINTS ON THE DISTANCE TO THE SPUR AND ON THE MAGNETIC FIELD OF THE GALAXY. <i>Astrophysical Journal</i> , 2015 , 811, 40	4-7	36
290	Fourier Modeling of the Radio Torus Surrounding SN 1987A. <i>Astrophysical Journal</i> , 2008 , 684, 481-497	4-7	36
289	A STUDY OF BROADBAND FARADAY ROTATION AND POLARIZATION BEHAVIOR OVER 1.3-10 GHz IN 36 DISCRETE RADIO SOURCES. <i>Astrophysical Journal</i> , 2016 , 825, 59	4-7	35
288	The Dispersion and Rotation Measure of Supernova Remnants and Magnetized Stellar Winds: Application to Fast Radio Bursts. <i>Astrophysical Journal</i> , 2018 , 861, 150	4-7	35
287	CHANDRA OBSERVATIONS OF THE HIGH-MAGNETIC-FIELD RADIO PULSAR J1718-718. <i>Astrophysical Journal</i> , 2011 , 734, 44	4-7	35
286	Missing Link: Clouds in the Southern Galactic Plane Survey. <i>Astrophysical Journal</i> , 2005 , 626, 887-899	4-7	35
285	X-Ray Timing, Spectroscopy, and Photometry of the Anomalous X-Ray Pulsar Candidate CXOU J010043.1-721134. <i>Astrophysical Journal</i> , 2005 , 627, L137-L140	4-7	35
284	Galactic interstellar turbulence across the southern sky seen through spatial gradients of the polarization vector. <i>Astronomy and Astrophysics</i> , 2014 , 566, A5	5-1	35

- 283 A Deep Search for Pulsations from the Nearby Isolated Neutron Star RX J1856.5B754. *Astrophysical Journal*, **2002**, 570, L75-L78 4-7 35
- 282 A Radio Continuum and Polarization Study of SNR G57.2+0.8 Associated with Magnetar SGR 1935+2154. *Astrophysical Journal*, **2018**, 852, 54 4-7 34
- 281 The 154MHz radio sky observed by the Murchison Widefield Array: noise, confusion, and first source count analyses. *Monthly Notices of the Royal Astronomical Society*, **2016**, 459, 3314-3325 4-3 34
- 280 Limits on low-frequency radio emission from southern exoplanets with the Murchison Widefield Array. *Monthly Notices of the Royal Astronomical Society*, **2014**, 446, 2560-2565 4-3 34
- 279 THE AUSTRALIA TELESCOPE COMPACT ARRAY H I SURVEY OF THE GALACTIC CENTER. *Astrophysical Journal, Supplement Series*, **2012**, 199, 12 8 34
- 278 A BROADBAND STUDY OF THE EMISSION FROM THE COMPOSITE SUPERNOVA REMNANT MSH 11-62. *Astrophysical Journal*, **2012**, 749, 131 4-7 34
- 277 DISCOVERY OF EXTENDED X-RAY EMISSION AROUND THE HIGHLY MAGNETIC RRAT J1819-1458. *Astrophysical Journal*, **2009**, 703, L41-L45 4-7 34
- 276 Can Ejecta-dominated Supernova Remnants be Typed from Their X-Ray Spectra? The Case of G337.2B.7. *Astrophysical Journal*, **2006**, 646, 982-1000 4-7 34
- 275 Time Variability in the X-Ray Nebula Powered by Pulsar B1509B8. *Astrophysical Journal*, **2006**, 640, 929-949 4-7 34
- 274 The Challenges of Low-Frequency Radio Polarimetry: Lessons from the Murchison Widefield Array. *Publications of the Astronomical Society of Australia*, **2017**, 34, 5-5 33
- 273 Very Deep inside the SN 1987A Core Ejecta: Molecular Structures Seen in 3D. *Astrophysical Journal Letters*, **2017**, 842, L24 7-9 33
- 272 Broad-band, radio spectro-polarimetric study of 100 radiative-mode and jet-mode AGN. *Monthly Notices of the Royal Astronomical Society*, **2017**, 469, 4034-4062 4-3 33
- 271 HIGH-RESOLUTION RADIO OBSERVATIONS OF THE REMNANT OF SN 1987A AT HIGH FREQUENCIES. *Astrophysical Journal*, **2013**, 767, 98 4-7 33
- 270 ACHANDRAOBSERVATION OF SUPERNOVA REMNANT G350.1B.3 AND ITS CENTRAL COMPACT OBJECT. *Astrophysical Journal*, **2011**, 731, 70 4-7 33
- 269 Polarized foreground removal at low radio frequencies using rotation measure synthesis: uncovering the signature of hydrogen reionization. *Monthly Notices of the Royal Astronomical Society*, **2011**, 418, 516-535 4-3 33
- 268 MEASUREMENT OF A MAGNETIC FIELD IN A LEADING ARM HIGH-VELOCITY CLOUD. *Astrophysical Journal*, **2010**, 725, 275-281 4-7 33
- 267 The (Re-)Discovery of G350.1-0.3: A Young, Luminous Supernova Remnant and Its Neutron Star. *Astrophysical Journal*, **2008**, 680, L37-L40 4-7 33
- 266 An X-Ray Search for Compact Central Sources in Supernova Remnants. II. Six Large-Diameter SNRs. *Astrophysical Journal, Supplement Series*, **2006**, 163, 344-371 8 33

265	An Optical Bow Shock around the Nearby Millisecond Pulsar J2124 B 358. <i>Astrophysical Journal</i> , 2002 , 580, L137-L141	4-7	33
264	A RADIO-POLARIZATION AND ROTATION MEASURE STUDY OF THE GUM NEBULA AND ITS ENVIRONMENT. <i>Astrophysical Journal</i> , 2015 , 804, 22	4-7	32
263	Modelling of the spectral energy distribution of Fornax A: leptonic and hadronic production of high-energy emission from the radio lobes. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015 , 446, 3478-3491	4-3	32
262	Calibration and Stokes Imaging with Full Embedded Element Primary Beam Model for the Murchison Widefield Array. <i>Publications of the Astronomical Society of Australia</i> , 2017 , 34,	5-5	32
261	BROADBAND RADIO POLARIMETRY AND FARADAY ROTATION OF 563 EXTRAGALACTIC RADIO SOURCES. <i>Astrophysical Journal</i> , 2015 , 815, 49	4-7	32
260	The First Murchison Widefield Array low-frequency radio observations of cluster scale non-thermal emission: the case of Abell 3667. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014 , 445, 330-346	4-3	32
259	Observations of X-Rays and Thermal Dust Emission from the Supernova Remnant Kes 75. <i>Astrophysical Journal</i> , 2007 , 667, 219-225	4-7	32
258	A radio study of the mouse, G359.23 0 .82. <i>Advances in Space Research</i> , 2005 , 35, 1129-1136	2-4	32
257	X-Ray Observations of the New PulsarSupernova Remnant System PSR J1119 B 127 and Supernova Remnant G292.2 0 .5. <i>Astrophysical Journal</i> , 2001 , 554, 161-172	4-7	32
256	Long-term Monitoring of Molonglo Calibrators. <i>Publications of the Astronomical Society of Australia</i> , 2000 , 17, 72-82	5-5	32
255	Two Large H [CSC]i[/CSC] Shells in the Outer Galaxy near [ITAL][CLC]l[/CLC][/ITAL] = 279 0	4-9	32
254	FARADAY ROTATION OF THE SUPERNOVA REMNANT G296.5+10.0: EVIDENCE FOR A MAGNETIZED PROGENITOR WIND. <i>Astrophysical Journal</i> , 2010 , 712, 1157-1165	4-7	31
253	RADIO POLARIZATION OBSERVATIONS OF G319.9 0 .7: A BOW-SHOCK NEBULA WITH AN AZIMUTHAL MAGNETIC FIELD POWERED BY PULSAR J1509 B 850. <i>Astrophysical Journal</i> , 2010 , 712, 596-603	4-7	31
252	Discovery of a New Pulsar Wind Nebula in the Large Magellanic Cloud. <i>Astrophysical Journal</i> , 2003 , 594, L111-L114	4-7	31
251	THE SPECTRAL VARIABILITY OF THE GHZ-PEAKED SPECTRUM RADIO SOURCE PKS 1718-649 AND A COMPARISON OF ABSORPTION MODELS. <i>Astronomical Journal</i> , 2015 , 149, 74	4-9	30
250	ATLAS 1.4 GHz data release 2 II . Properties of the faint polarized sky. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014 , 440, 3113-3139	4-3	30
249	ATLAS 1.4 GHz Data Release 2 - I. Observations of the CDF-S and ELAIS-S1 fields and methods for constructing differential number counts. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014 , 441, 2555-2592	4-3	30
248	SPATIAL, TEMPORAL, AND SPECTRAL PROPERTIES OF X-RAY EMISSION FROM THE MAGNETAR SGR 0501+4516. <i>Astrophysical Journal</i> , 2010 , 722, 899-908	4-7	30

247	The Growth, Polarization, and Motion of the Radio Afterglow from the Giant Flare from SGR 1806-20. <i>Astrophysical Journal</i> , 2005 , 634, L93-L96	4-7	30
246	Spitzer Space Telescope Detection of the Young Supernova Remnant 1E 0102.2-7219. <i>Astrophysical Journal</i> , 2005 , 632, L103-L106	4-7	30
245	Discovery of the Luminous, Decades-long, Extragalactic Radio Transient FIRST J141918.9+394036. <i>Astrophysical Journal Letters</i> , 2018 , 866, L22	7-9	30
244	S-band Polarization All-Sky Survey (S-PASS): survey description and maps. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019 , 489, 2330-2354	4-3	29
243	EVOLUTION OF THE RADIO REMNANT OF SUPERNOVA 1987A: MORPHOLOGICAL CHANGES FROM DAY 7000. <i>Astrophysical Journal</i> , 2013 , 777, 131	4-7	29
242	A PROPER MOTION FOR THE PULSAR WIND NEBULA G359.230-0.82, THE MOUSE, ASSOCIATED WITH THE ENERGETIC RADIO PULSAR J1747-0958. <i>Astrophysical Journal</i> , 2009 , 706, 1316-1322	4-7	29
241	A new search for distant radio galaxies in the Southern hemisphere - III. Optical spectroscopy and analysis of the MRCR-SUMSS sample. <i>Monthly Notices of the Royal Astronomical Society</i> , 2009 , 395, 1099-1120	4-3	29
240	[ITAL]XMM-Newton[/ITAL] Spectroscopy of the Accretion-driven Millisecond X-Ray Pulsar XTE J1751B05 in Outburst. <i>Astrophysical Journal</i> , 2003 , 583, L99-L102	4-7	29
239	Fast Radio Burst Morphology in the First CHIME/FRB Catalog. <i>Astrophysical Journal</i> , 2021 , 923, 1	4-7	29
238	The 69 Millisecond Radio Pulsar near the Supernova Remnant RCW 103. <i>Astrophysical Journal</i> , 1998 , 503, L161-L165	4-7	28
237	The case for associations between old pulsars and supernova remnants. <i>Monthly Notices of the Royal Astronomical Society</i> , 1995 , 275, L73-L75	4-3	28
236	STATISTICAL TECHNIQUES FOR DETECTING THE INTERGALACTIC MAGNETIC FIELD FROM LARGE SAMPLES OF EXTRAGALACTIC FARADAY ROTATION DATA. <i>Astrophysical Journal</i> , 2014 , 790, 123	4-7	27
235	SPECTROPOLARIMETRY WITH THE ALLEN TELESCOPE ARRAY: FARADAY ROTATION TOWARD BRIGHT POLARIZED RADIO GALAXIES. <i>Astrophysical Journal</i> , 2011 , 728, 57	4-7	27
234	A deep search for pulsar wind nebulae using pulsar gating. <i>Monthly Notices of the Royal Astronomical Society</i> , 1999 , 308, 609-617	4-3	27
233	Simultaneous X-Ray and Radio Observations of the Repeating Fast Radio Burst FRB ~ 180916.J0158+65. <i>Astrophysical Journal</i> , 2020 , 901, 165	4-7	27
232	Polarization Angular Spectra of Galactic Synchrotron Emission on Arcminute Scales. <i>Astrophysical Journal</i> , 2002 , 579, 607-615	4-7	27
231	A search for long-time-scale, low-frequency radio transients. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017 , 466, 1944-1953	4-3	26
230	The Very Young Radio Pulsar J1357-6429. <i>Astrophysical Journal</i> , 2004 , 611, L25-L28	4-7	26

229	High-energy sources at low radio frequency: the Murchison Widefield Array view of Fermi blazars. <i>Astronomy and Astrophysics</i> , 2016 , 588, A141	5.1	26
228	LOW-FREQUENCY OBSERVATIONS OF THE MOON WITH THE MURCHISON WIDEFIELD ARRAY. <i>Astronomical Journal</i> , 2013 , 145, 23	4.9	25
227	CHANDRA AND XMM OBSERVATIONS OF THE COMPOSITE SUPERNOVA REMNANT G327.1-1.1. <i>Astrophysical Journal</i> , 2009 , 691, 895-906	4.7	25
226	PSR J1856+0245: Arecibo Discovery of a Young, Energetic Pulsar Coincident with the TeV γ -ray Source HESS J1857+026. <i>Astrophysical Journal</i> , 2008 , 682, L41-L44	4.7	25
225	A Search for New Galactic Magnetars in Archival Chandra and XMM-Newton Observations. <i>Astrophysical Journal</i> , 2008 , 680, 639-653	4.7	25
224	HIGH RESOLUTION 36 GHz IMAGING OF THE SUPERNOVA REMNANT OF SN 1987A. <i>Astrophysical Journal</i> , 2009 , 705, 261-271	4.7	25
223	Chandra Observations of the Transient 7 s X-ray Pulsar AX J1845.0-258. <i>Astrophysical Journal</i> , 2006 , 652, 548-553	4.7	25
222	A Neutral Hydrogen Self-Absorption Cloud in the Southern Galactic Plane Survey. <i>Astrophysical Journal</i> , 2003 , 598, 1048-1060	4.7	25
221	Serendipitous discovery of a dying Giant Radio Galaxy associated with NGC 534, using the Murchison Widefield Array. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015 , 447, 2468-2478	4.3	24
220	ON THE DETECTION AND TRACKING OF SPACE DEBRIS USING THE MURCHISON WIDEFIELD ARRAY. I. SIMULATIONS AND TEST OBSERVATIONS DEMONSTRATE FEASIBILITY. <i>Astronomical Journal</i> , 2013 , 146, 103	4.9	24
219	AN EXTREME PULSAR TAIL PROTRUDING FROM THE FRYING PAN SUPERNOVA REMNANT. <i>Astrophysical Journal</i> , 2012 , 746, 105	4.7	24
218	LOW-FREQUENCY IMAGING OF FIELDS AT HIGH GALACTIC LATITUDE WITH THE MURCHISON WIDEFIELD ARRAY 32 ELEMENT PROTOTYPE. <i>Astrophysical Journal</i> , 2012 , 755, 47	4.7	24
217	DISCOVERY OF THE ENERGETIC PULSAR J1747-809 IN THE SUPERNOVA REMNANT G0.9+0.1. <i>Astrophysical Journal</i> , 2009 , 700, L34-L38	4.7	24
216	Chandra Detection of a Synchrotron Nebula around the Vela-like Pulsar J1016-5857. <i>Astrophysical Journal</i> , 2004 , 616, 1118-1123	4.7	24
215	Imaging of the Radio Remnant of SN 1987A at 12 mm Wavelength. <i>Astrophysical Journal</i> , 2005 , 628, L131-L134	4.7	24
214	THE OUTER SHOCK OF THE OXYGEN-RICH SUPERNOVA REMNANT G292.0+1.8: EVIDENCE FOR THE INTERACTION WITH THE STELLAR WINDS FROM ITS MASSIVE PROGENITOR. <i>Astrophysical Journal</i> , 2010 , 711, 861-869	4.7	23
213	G309.2-0.6 and jets in supernova remnants. <i>Monthly Notices of the Royal Astronomical Society</i> , 1998 , 299, 812-824	4.3	23
212	Discovery of an optical bow-shock around pulsar B0740-28. <i>Astronomy and Astrophysics</i> , 2002 , 389, L1-L5	5.1	23

211	Nondetection of a Pulsar-powered Nebula in Puppis A and the Implications for the Nature of the Radio-quiet Neutron Star RX J0822-300. <i>Astrophysical Journal</i> , 2000 , 537, L35-L38	4-7	23
210	An Unusual Pulsar Wind Nebula Associated with PSR B0906-9. <i>Astrophysical Journal</i> , 1998 , 499, L69-L73	4-7	23
209	Time-domain and spectral properties of pulsars at 154 MHz. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016 , 461, 908-921	4-3	22
208	FARADAY ROTATION MEASURE SYNTHESIS OF INTERMEDIATE REDSHIFT QUASARS AS A PROBE OF INTERVENING MATTER. <i>Astrophysical Journal</i> , 2016 , 829, 133	4-7	22
207	Power spectrum analysis of ionospheric fluctuations with the Murchison Widefield Array. <i>Radio Science</i> , 2015 , 50, 574-597	1-4	22
206	Absolutely calibrated radio polarimetry of the inner Galaxy at 2.3 and 4.8 GHz. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014 , 437, 2936-2947	4-3	22
205	Lost and Found: A New Position and Infrared Counterpart for the X-Ray Binary Scutum X-1. <i>Astrophysical Journal</i> , 2007 , 661, 437-446	4-7	22
204	MAGNETIC FIELD DISORDER AND FARADAY EFFECTS ON THE POLARIZATION OF EXTRAGALACTIC RADIO SOURCES. <i>Astrophysical Journal</i> , 2016 , 829, 5	4-7	21
203	RADIO SYNCHROTRON FLUCTUATION STATISTICS AS A PROBE OF MAGNETIZED INTERSTELLAR TURBULENCE. <i>Astrophysical Journal</i> , 2016 , 822, 13	4-7	21
202	A High-Resolution Foreground Model for the MWA EoR1 Field: Model and Implications for EoR Power Spectrum Analysis. <i>Publications of the Astronomical Society of Australia</i> , 2017 , 34,	5-5	21
201	Quantifying ionospheric effects on time-domain astrophysics with the Murchison Widefield Array. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015 , 453, 2732-2747	4-3	21
200	Chandra and XMM-Newton Observations of the Vela-like Pulsar B1046-8. <i>Astrophysical Journal</i> , 2006 , 652, 569-575	4-7	21
199	Differences in Faraday Rotation between Adjacent Extragalactic Radio Sources as a Probe of Cosmic Magnetic Fields. <i>Astrophysical Journal</i> , 2019 , 878, 92	4-7	21
198	HiShells behind the Coalsack. <i>Astrophysical Journal</i> , 2001 , 562, 424-432	4-7	21
197	A high reliability survey of discrete Epoch of Reionization foreground sources in the MWA EoR0 field. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016 , 461, 4151-4175	4-3	21
196	The spectral energy distribution of powerful starburst galaxies II. Modelling the radio continuum. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018 , 474, 779-799	4-3	21
195	Analytic detection thresholds for measurements of linearly polarized intensity using rotation measure synthesis. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012 , 424, 2160-2172	4-3	20
194	A search for variable and transient radio sources in the extended Chandra Deep Field South at 5.5 GHz. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015 , 450, 4221-4232	4-3	20

193	Detection of a radio bridge in Abell 3667. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013 , 430, 1414-1422	4.3	20
192	Radio continuum and Hi observations of the supernova remnant G296.8-0.3. <i>Monthly Notices of the Royal Astronomical Society</i> , 1998 , 296, 813-823	4.3	20
191	The 30 Year Search for the Compact Object in SN 1987A. <i>Astrophysical Journal</i> , 2018 , 864, 174	4.7	20
190	The Galactic Magneto-ionic Medium Survey: Moments of the Faraday Spectra. <i>Astrophysical Journal</i> , 2019 , 871, 106	4.7	19
189	Observations and modelling of pulsed radio emission from CU Virginis. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012 , 421, 3316-3324	4.3	19
188	Low-Frequency Spectral Energy Distributions of Radio Pulsars Detected with the Murchison Widefield Array. <i>Publications of the Astronomical Society of Australia</i> , 2017 , 34,	5.5	19
187	Interacting large-scale magnetic fields and ionized gas in the W50/SS433 system. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017 , 467, 4777-4801	4.3	19
186	Broad-band radio circular polarization spectrum of the relativistic jet in PKS B2126-158. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013 , 435, 311-319	4.3	19
185	The Interstellar Medium around the Supernova Remnant G320.4-1.2. <i>Astronomical Journal</i> , 2002 , 123, 337-345	4.9	19
184	Measurement of Spectral Breaks in Pulsar Wind Nebulae with Millimeter-Wave Interferometry. <i>Astrophysical Journal</i> , 2005 , 626, 343-349	4.7	19
183	Science with the Murchison Widefield Array: Phase I results and Phase II opportunities. <i>Publications of the Astronomical Society of Australia</i> , 2019 , 36,	5.5	19
182	The jet/wind outflow in Centaurus A: a local laboratory for AGN feedback. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018 , 474, 4056-4072	4.3	19
181	Fast radio burst dispersion measures and rotation measures and the origin of intergalactic magnetic fields. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019 , 488, 4220-4238	4.3	18
180	Broadband Radio Polarimetry of Fornax A. I. Depolarized Patches Generated by Advected Thermal Material from NGC 1316. <i>Astrophysical Journal</i> , 2018 , 855, 41	4.7	18
179	SIMULATED FARADAY ROTATION MEASURES TOWARD HIGH GALACTIC LATITUDES. <i>Astrophysical Journal</i> , 2013 , 767, 150	4.7	18
178	A new layout optimization technique for interferometric arrays, applied to the Murchison Widefield Array. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012 , 425, 1781-1788	4.3	18
177	TWO POPULATIONS OF GAMMA-RAY BURST RADIO AFTERGLOWS. <i>Astrophysical Journal</i> , 2013 , 776, 106	4.7	18
176	OUT OF THE FRYING PAN: A YOUNG PULSAR WITH A LONG RADIO TRAIL EMERGING FROM SNR G315.9-0.0. <i>Astrophysical Journal</i> , 2009 , 703, L55-L58	4.7	18

175	A 20-yr radio light curve for the young supernova remnant G1.9+0.3. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2008 , 389, L23-L27	4.3	18
174	Pulsed X-Ray Emission from Pulsar A in the Double Pulsar System J0737B039. <i>Astrophysical Journal</i> , 2007 , 670, 1301-1306	4.7	18
173	The Radio Emission, X-Ray Emission, and Hydrodynamics of G328.4+0.2: A Comprehensive Analysis of a Luminous Pulsar Wind Nebula, Its Neutron Star, and the Progenitor Supernova Explosion. <i>Astrophysical Journal</i> , 2007 , 663, 468-486	4.7	18
172	Faraday rotation at low frequencies: magnetoionic material of the large FR II radio galaxy PKS J06360036. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018 , 475, 4263-4277	4.3	18
171	Using SKA Rotation Measures to Reveal the Mysteries of the Magnetised Universe 2015 ,		17
170	G328.4+0.2: A Large and Luminous Crab-like Supernova Remnant. <i>Astrophysical Journal</i> , 2000 , 542, 380-385	4.7	17
169	RADIO POLARIZATION OBSERVATIONS OF THE SNAIL: A CRUSHED PULSAR WIND NEBULA IN G327.1+1.1 WITH A HIGHLY ORDERED MAGNETIC FIELD. <i>Astrophysical Journal</i> , 2016 , 820, 100	4.7	17
168	A repeating fast radio burst source in a globular cluster.. <i>Nature</i> , 2022 , 602, 585-589	50.4	17
167	Spectral Energy Distribution and Radio Halo of NGC 253 at Low Radio Frequencies. <i>Astrophysical Journal</i> , 2017 , 838, 68	4.7	16
166	MURCHISON WIDEFIELD ARRAY OBSERVATIONS OF ANOMALOUS VARIABILITY: A SERENDIPITOUS NIGHT-TIME DETECTION OF INTERPLANETARY SCINTILLATION. <i>Astrophysical Journal Letters</i> , 2015 , 809, L12	7.9	16
165	The Fan Region at 1.5 GHz II. Polarized synchrotron emission extending beyond the Perseus Arm. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017 , 467, 4631-4646	4.3	16
164	AUTOMATIC CLASSIFICATION OF TIME-VARIABLE X-RAY SOURCES. <i>Astrophysical Journal</i> , 2014 , 786, 20	4.7	16
163	The remnant of supernova 1987A resolved at 3-mm wavelength. <i>Astronomy and Astrophysics</i> , 2012 , 541, L2	5.1	16
162	The giant lobes of Centaurus A observed at 118 MHz with the Murchison Widefield Array. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013 , 436, 1286-1301	4.3	16
161	IDENTIFICATION OF A POPULATION OF X-RAY-EMITTING MASSIVE STARS IN THE GALACTIC PLANE. <i>Astrophysical Journal</i> , 2011 , 727, 105	4.7	16
160	SpitzerIMAGING AND SPECTRAL MAPPING OF THE OXYGEN-RICH SUPERNOVA REMNANT G292.0+1.8. <i>Astrophysical Journal</i> , 2012 , 750, 39	4.7	16
159	Pulsar Wind Nebulae in Egret Error Boxes. <i>Astrophysics and Space Science</i> , 2005 , 297, 93-100	1.6	16
158	Upper Limits on Periodic, Pulsed Radio Emission from the X-Ray Point Source in Cassiopeia A. <i>Astrophysical Journal</i> , 2001 , 547, L41-L44	4.7	16

157	Magnetism Science with the Square Kilometre Array. <i>Galaxies</i> , 2020 , 8, 53	2	16
156	The POLarised GLEAM Survey (POGS) I: First results from a low-frequency radio linear polarisation survey of the southern sky. <i>Publications of the Astronomical Society of Australia</i> , 2018 , 35,	5.5	16
155	S-PASS/ATCA: a window on the magnetic universe in the Southern hemisphere. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019 , 485, 1293-1309	4.3	15
154	Radio variability in the Phoenix Deep Survey at 1.4 GHz. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016 , 461, 3314-3321	4.3	15
153	HIGH-RESOLUTION X-RAY IMAGING OF SUPERNOVA REMNANT 1987A. <i>Astrophysical Journal</i> , 2009 , 706, L100-L105	4.7	15
152	CONSTRAINING THE PROPER MOTIONS OF TWO MAGNETARS. <i>Astronomical Journal</i> , 2009 , 137, 354-366	4.9	15
151	Galactic and Extragalactic All-sky Murchison Widefield Array (GLEAM) survey II: Galactic plane 345° < l < 67° 180° < l < 240° <i>Publications of the Astronomical Society of Australia</i> , 2019 , 36,	5.5	15
150	A multifrequency radio continuum study of the Magellanic Clouds II. Overall structure and star formation rates. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018 , 480, 2743-2756	4.3	15
149	A Serendipitous MWA Search for Narrowband Signals from Dumuamua. <i>Astrophysical Journal</i> , 2018 , 857, 11	4.7	14
148	The Global Magneto-Ionic Medium Survey: Polarimetry of the Southern Sky from 300 to 480 MHz. <i>Astronomical Journal</i> , 2019 , 158, 44	4.9	14
147	When Disorder Looks Like Order: A New Model to Explain Radial Magnetic Fields in Young Supernova Remnants. <i>Astrophysical Journal Letters</i> , 2017 , 849, L22	7.9	14
146	The Murchison Widefield Array: solar science with the low frequency SKA Precursor. <i>Journal of Physics: Conference Series</i> , 2013 , 440, 012033	0.3	14
145	FIRST VLBI DETECTION OF THE RADIO REMNANT OF SUPERNOVA 1987A: EVIDENCE FOR SMALL-SCALE FEATURES. <i>Astrophysical Journal Letters</i> , 2011 , 728, L15	7.9	14
144	Untwisting the Tornado: X-Ray Imaging and Spectroscopy of G357.7-0.1. <i>Astrophysical Journal</i> , 2003 , 594, L35-L38	4.7	14
143	Bow shocks around pulsars and neutron stars. <i>Advances in Space Research</i> , 2005 , 35, 1116-1122	2.4	14
142	In situ measurement of MWA primary beam variation using ORBCOMM. <i>Publications of the Astronomical Society of Australia</i> , 2018 , 35,	5.5	14
141	Advanced Diagnostics for the Study of Linearly Polarized Emission. II. Application to Diffuse Interstellar Radio Synchrotron Emission. <i>Astrophysical Journal</i> , 2018 , 855, 29	4.7	13
140	Detection of a Coherent Magnetic Field in the Magellanic Bridge through Faraday Rotation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017 , stx206	4.3	13

139	Probes of turbulent driving mechanisms in molecular clouds from fluctuations in synchrotron intensity. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017 , 466, 2272-2283	4.3	13
138	ANXMM-NEWTONSTUDY OF THE BRIGHT, NEARBY SUPERNOVA REMNANT G296.1-0.5. <i>Astrophysical Journal</i> , 2011 , 734, 86	4.7	13
137	The Duck Redux: An Improved Proper-Motion Upper Limit for the Pulsar B1757-4 near the Supernova Remnant G5.4-1.2. <i>Astrophysical Journal</i> , 2006 , 652, 1523-1530	4.7	13
136	Anomalous X-ray pulsars and soft gamma-ray repeaters II: the connection with supernova remnants. <i>Advances in Space Research</i> , 2004 , 33, 645-653	2.4	13
135	A search for the radio counterpart of the unidentified γ -ray source 3EG J1410-6147. <i>Monthly Notices of the Royal Astronomical Society</i> , 2003 , 339, 1048-1056	4.3	13
134	A Large-Scale, Low-Frequency Murchison Widefield Array Survey of Galactic H II Regions between 260 <math>l</math> <math>\< 340</math>. <i>Publications of the Astronomical Society of Australia</i> , 2016 , 33,	5.5	13
133	Advanced Diagnostics for the Study of Linearly Polarized Emission. I. Derivation. <i>Astrophysical Journal</i> , 2018 , 853, 9	4.7	13
132	Blazar jet evolution revealed by multi-epoch broad-band radio polarimetry. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019 , 485, 3600-3622	4.3	12
131	THE MAGNETIC FIELD AND POLARIZATION PROPERTIES OF RADIO GALAXIES IN DIFFERENT ACCRETION STATES. <i>Astrophysical Journal</i> , 2015 , 806, 83	4.7	12
130	Low radio frequency observations and spectral modelling of the remnant of Supernova 1987A. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016 , 462, 290-297	4.3	12
129	Do We Expect to See Young Pulsars outside Their Parent Shells?. <i>Publications of the Astronomical Society of Australia</i> , 1995 , 12, 76-80	5.5	12
128	DELAY SPECTRUM WITH PHASE-TRACKING ARRAYS: EXTRACTING THE H I POWER SPECTRUM FROM THE EPOCH OF REIONIZATION. <i>Astrophysical Journal</i> , 2016 , 833, 213	4.7	12
127	The Reacceleration of the Shock Wave in the Radio Remnant of SN 1987A. <i>Astrophysical Journal</i> , 2018 , 867, 65	4.7	12
126	Observed Faraday Effects in Damped Ly α Absorbers and Lyman Limit Systems: The Magnetized Environment of Galactic Building Blocks at Redshift = 2. <i>Astrophysical Journal</i> , 2017 , 841, 67	4.7	11
125	Constraining the Magnetic Field of the Smith High-velocity Cloud Using Faraday Rotation. <i>Astrophysical Journal</i> , 2019 , 871, 215	4.7	11
124	G306.3-0.9: A NEWLY DISCOVERED YOUNG GALACTIC SUPERNOVA REMNANT. <i>Astrophysical Journal</i> , 2013 , 766, 112	4.7	11
123	The Carina Nebula and Gum 31 molecular complex III. The distribution of the atomic gas revealed in unprecedented detail. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017 , 472, 1685-1704	4.3	11
122	IRAS 15099-856: REMARKABLE MID-INFRARED SOURCE WITH PROMINENT CRYSTALLINE SILICATE EMISSION EMBEDDED IN THE SUPERNOVA REMNANT MSH15-52. <i>Astrophysical Journal</i> , 2011 , 732, 6	4.7	11

121	Structure in the radio counterpart to the 2004 December 27 giant flare from SGR 1806-20. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2006 , 367, L6-L10	4.3	11
120	A Wide-Field, Low-Frequency Radio Survey of the Field of M31. I. Construction and Statistical Analysis of the Source Catalog. <i>Astrophysical Journal, Supplement Series</i> , 2004 , 155, 89-100	8	11
119	CHIME/FRB Catalog 1 Results: Statistical Cross-correlations with Large-scale Structure. <i>Astrophysical Journal</i> , 2021 , 922, 42	4.7	11
118	Triggered superradiance and fast radio bursts. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019 , 482, 5492-5499	4.3	10
117	Galactic synchrotron emissivity measurements between 250 μ . <i>Monthly Notices of the Royal Astronomical Society</i> , 2017 , 465, 3163-3174	4.3	10
116	A Southern-Sky Total Intensity Source Catalogue at 2.3 GHz from S-Band Polarisation All-Sky Survey Data. <i>Publications of the Astronomical Society of Australia</i> , 2017 , 34,	5.5	10
115	The extended X-ray emission around RRAT J1819-458. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013 , 429, 2493-2499	4.3	10
114	GMIMS: the Global Magneto-Ionic Medium Survey. <i>Proceedings of the International Astronomical Union</i> , 2008 , 4, 89-90	0.1	10
113	A Wide-Field, Low-Frequency Radio Image of the Field of M31. II. Source Classification and Discussion. <i>Astrophysical Journal, Supplement Series</i> , 2005 , 159, 242-276	8	10
112	The POLarised GLEAM Survey (POGS) II: Results from an all-sky rotation measure synthesis survey at long wavelengths. <i>Publications of the Astronomical Society of Australia</i> , 2020 , 37,	5.5	10
111	Detection of Linear Polarization in the Radio Remnant of Supernova 1987A. <i>Astrophysical Journal Letters</i> , 2018 , 861, L9	7.9	10
110	CHASING THE IDENTIFICATION OF ASCA GALACTIC OBJECTS (ChICAGO): AN X-RAY SURVEY OF UNIDENTIFIED SOURCES IN THE GALACTIC PLANE. I. SOURCE SAMPLE AND INITIAL RESULTS. <i>Astrophysical Journal, Supplement Series</i> , 2014 , 212, 13	8	9
109	A multiwavelength study of the radio source G296.70.9: confirmation as a Galactic supernova remnant. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012 , 419, 2623-2632	4.3	9
108	The Square Kilometre Array: a new probe of cosmic magnetism. <i>Astronomische Nachrichten</i> , 2006 , 327, 387-394	0.7	9
107	Galactic synchrotron distribution derived from 152 H ii region absorption features in the full GLEAM survey. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018 , 479, 4041-4055	4.3	9
106	A Local Universe Host for the Repeating Fast Radio Burst FRB 20181030A. <i>Astrophysical Journal Letters</i> , 2021 , 919, L24	7.9	9
105	Limits on radio emission from meteors using the MWA. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018 , 477, 5167-5176	4.3	8
104	Through thick or thin: multiple components of the magneto-ionic medium towards the nearby H ii region Sharpless 207 revealed by Faraday tomography. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019 , 487, 4751-4767	4.3	8

103	A new perspective on turbulent Galactic magnetic fields through comparison of linear polarization decomposition techniques. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017 , 468, 2957-2974	4.3	8
102	STUDY OF REDSHIFTED H I FROM THE EPOCH OF REIONIZATION WITH DRIFT SCAN. <i>Astrophysical Journal</i> , 2014 , 793, 28	4.7	8
101	Near-infrared observations of rotating radio transients. <i>Monthly Notices of the Royal Astronomical Society</i> , 2010 , 407, 1887-1894	4.3	8
100	XMM-Newton Spectroscopy of the Galactic Microquasar GRS 1758-58 in the Peculiar Off/Soft State. <i>Astrophysical Journal</i> , 2002 , 566, 358-364	4.7	8
99	New candidate radio supernova remnants detected in the GLEAM survey over 345° < l < 60° and 180° < l < 240°. <i>Publications of the Astronomical Society of Australia</i> , 2019 , 36,	5.5	8
98	Candidate radio supernova remnants observed by the GLEAM survey over 345° < l < 60° and 180° < l < 240°. <i>Publications of the Astronomical Society of Australia</i> , 2019 , 36,	5.5	8
97	High-resolution Observations of Low-luminosity Gigahertz-Peaked Spectrum and Compact Steep Spectrum Sources. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018 ,	4.3	8
96	Chandra smells a RRAT. <i>Astrophysics and Space Science</i> , 2007 , 308, 95-99	1.6	7
95	Fifteen Years of High-Resolution Radio Imaging of Supernova 1987A. <i>AIP Conference Proceedings</i> , 2007 ,	0	7
94	H I Emission and Absorption in the Southern Galactic Plane Survey *. <i>Publications of the Astronomical Society of Australia</i> , 2001 , 18, 84-90	5.5	7
93	Cool, Luminous, and Highly Variable Stars in the Magellanic Clouds from ASAS-SN: Implications for Thorne-Żytkow Objects and Super-asymptotic Giant Branch Stars. <i>Astrophysical Journal</i> , 2020 , 901, 135	4.7	7
92	The Galactic Faraday rotation sky 2020. <i>Astronomy and Astrophysics</i> ,	5.1	7
91	Remnant radio galaxies discovered in a multi-frequency survey. <i>Publications of the Astronomical Society of Australia</i> , 2021 , 38,	5.5	7
90	Revealing the Faraday depth structure of radio galaxy NGC 612 with broad-band radio polarimetric observations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018 , 476, 1596-1613	4.3	7
89	Hunting for Radio Emission from the Intermittent Pulsar J1107-5907 at Low Frequencies. <i>Astrophysical Journal</i> , 2018 , 869, 134	4.7	7
88	Classifying Complex Faraday Spectra with Convolutional Neural Networks. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018 ,	4.3	7
87	Radio polarization properties of quasars and active galaxies at high redshifts. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018 , 475, 1736-1755	4.3	7
86	The GLEAM 4-Jy (G4Jy) Sample: I. Definition and the catalogue. <i>Publications of the Astronomical Society of Australia</i> , 2020 , 37,	5.5	6

85	The Radio Variability of the Gravitational Lens PMN J1838-3427. <i>Astronomical Journal</i> , 2004 , 128, 2696-2703	6	
84	The Extraordinary Linear Polarisation Structure of the Southern Centaurus A Lobe Revealed by ASKAP. <i>Galaxies</i> , 2018 , 6, 127	2	6
83	A Sudden Period of High Activity from Repeating Fast Radio Burst 20201124A. <i>Astrophysical Journal</i> , 2022 , 927, 59	4.7	6
82	A Matched Filter Technique for Slow Radio Transient Detection and First Demonstration with the Murchison Widefield Array. <i>Astronomical Journal</i> , 2017 , 153, 98	4.9	5
81	The GLEAM 4-Jy (G4Jy) Sample: II. Host galaxy identification for individual sources. <i>Publications of the Astronomical Society of Australia</i> , 2020 , 37,	5.5	5
80	A new search for distant radio galaxies in the Southern hemisphere - II. 2.2 Gh imaging*. <i>Monthly Notices of the Royal Astronomical Society</i> , 2009 , 394, 2197-2222	4.3	5
79	Broadband Polarimetry with the Square Kilometre Array: A Unique Astrophysical Probe 2015 ,		5
78	Are Shells Powered by Multiple Supernovae? Modeling the Radio Pulsar Population Produced by OB Associations. <i>Astrophysical Journal</i> , 2004 , 606, 326-332	4.7	5
77	The Murchison Widefield Array Transients Survey (MWATS). A search for low frequency variability in a bright Southern hemisphere sample. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018 ,	4.3	5
76	Searching for dark matter signals from local dwarf spheroidal galaxies at low radio frequencies in the GLEAM survey. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020 , 494, 135-145	4.3	4
75	A study of halo and relic radio emission in merging clusters using the Murchison Widefield Array. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017 , stx155	4.3	4
74	PSR J1119-127 and the X-ray emission from high magnetic field radio pulsars. <i>Astrophysics and Space Science</i> , 2007 , 308, 89-94	1.6	4
73	Magnetic fields in the Southern Galactic Plane Survey. <i>Astronomische Nachrichten</i> , 2006 , 327, 483-486	0.7	4
72	Fifteen Years of High-Resolution Radio Imaging of Supernova 1987A 2007 ,		4
71	Angular spectra of Galactic polarized synchrotron emission at Arcmin scales. <i>AIP Conference Proceedings</i> , 2002 ,	0	4
70	G291.00-1: Powered by a pulsar?. <i>AIP Conference Proceedings</i> , 2001 ,	0	4
69	No Evidence for Galactic Latitude Dependence of the Fast Radio Burst Sky Distribution. <i>Astrophysical Journal</i> , 2021 , 923, 2	4.7	4
68	Measuring magnetism in the Milky Way with the Square Kilometre Array 2015 ,		4

67	The ASKAP Variables and Slow Transients (VAST) Pilot Survey. <i>Publications of the Astronomical Society of Australia</i> , 2021 , 38,	5.5	4
66	X-Ray and Radio Observations of Bright GEV Sources. <i>Astrophysics and Space Science Library</i> , 2001 , 135-152		4
65	Polarization Gradient Study of Interstellar Medium Turbulence Using the Canadian Galactic Plane Survey. <i>Astrophysical Journal</i> , 2017 , 835, 210	4.7	3
64	THE X-RAY TRANSIENT 2XMMi J003833.3+402133: A CANDIDATE MAGNETAR AT HIGH GALACTIC LATITUDE. <i>Astrophysical Journal</i> , 2012 , 757, 169	4.7	3
63	A PRECISION MULTI-BAND TWO-EPOCH PHOTOMETRIC CATALOG OF 44 MILLION SOURCES IN THE NORTHERN SKY FROM A COMBINATION OF THE USNO-B AND SLOAN DIGITAL SKY SURVEY CATALOGS. <i>Astrophysical Journal, Supplement Series</i> , 2013 , 209, 33	8	3
62	The Radio Evolution of SN1987A. <i>AIP Conference Proceedings</i> , 2007 ,	0	3
61	Shocks and Wind Bubbles Around Energetic Pulsars. <i>Symposium - International Astronomical Union</i> , 2004 , 218, 151-158		3
60	Addendum: X-Ray Sources and Their Optical Counterparts in the Globular Cluster M4 (ApJ, 609, 755 [2004]). <i>Astrophysical Journal</i> , 2005 , 619, 1189-1189	4.7	3
59	Magnetic Field Tomography in Nearby Galaxies with the Square Kilometre Array 2015 ,		3
58	Discovery of ASKAP J173608.2B21635 as a Highly Polarized Transient Point Source with the Australian SKA Pathfinder. <i>Astrophysical Journal</i> , 2021 , 920, 45	4.7	3
57	Polarization Pipeline for Fast Radio Bursts Detected by CHIME/FRB. <i>Astrophysical Journal</i> , 2021 , 920, 138	4.7	3
56	The Global Magneto-ionic Medium Survey: A Faraday Depth Survey of the Northern Sky Covering 1280–750 MHz. <i>Astronomical Journal</i> , 2021 , 162, 35	4.9	3
55	Constraints on large-scale magnetic fields in the intergalactic medium using cross-correlation methods. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021 , 503, 2913-2926	4.3	3
54	Ghost of a shell: magnetic fields of Galactic supershell GSH 006 15 + 7. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018 ,	4.3	3
53	Observing the Sun with the Murchison Widefield Array 2014 ,		2
52	Radio Observations of Supernova 1987A. <i>Proceedings of the International Astronomical Union</i> , 2013 , 9, 15-22	0.1	2
51	Cosmic magnetism with the Square Kilometre Array and its pathfinders. <i>Proceedings of the International Astronomical Union</i> , 2008 , 4, 645-652	0.1	2
50	Arecibo and the ALFA Pulsar Survey. <i>Research in Astronomy and Astrophysics</i> , 2006 , 6, 311-318		2

49	The Radio Evolution of SN1987A 2007 ,		2
48	SHOCKS, OUTFLOWS AND BUBBLES: NEW VIEWS ON PULSARS AND THEIR WINDS 2003 ,		2
47	The SKA View of Gamma-Ray Bursts 2015 ,		2
46	Helicity in the large-scale Galactic magnetic field. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020 , 499, 3673-3689	4.3	2
45	Early Science from POSSUM: Shocks, turbulence, and a massive new reservoir of ionised gas in the Fornax cluster. <i>Publications of the Astronomical Society of Australia</i> , 2021 , 38,	5.5	2
44	Heightened Faraday complexity in the inner 1 kpc of the galactic centre. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021 , 502, 3814-3828	4.3	2
43	Modeling Fast Radio Burst Dispersion and Scattering Properties in the First CHIME/FRB Catalog. <i>Astrophysical Journal</i> , 2022 , 927, 35	4.7	2
42	Discovery of PSR J0523-7125 as a Circularly Polarized Variable Radio Source in the Large Magellanic Cloud. <i>Astrophysical Journal</i> , 2022 , 930, 38	4.7	2
41	The Radio Remnant of Supernova 1987A [A Broader View. <i>Proceedings of the International Astronomical Union</i> , 2017 , 12, 274-283	0.1	1
40	Magnetic Fields in the Milky Way Halo. <i>Proceedings of the International Astronomical Union</i> , 2012 , 10, 403-403	0.1	1
39	The Discovery of an Eccentric Millisecond Pulsar in the Galactic Plane. <i>AIP Conference Proceedings</i> , 2008 ,	0	1
38	Chandra monitoring of the candidate anomalous X-ray pulsar AX J1845.0-0258. <i>Astrophysics and Space Science</i> , 2007 , 308, 519-523	1.6	1
37	Late-time Evolution and Modeling of the Off-axis Gamma-Ray Burst Candidate FIRST J141918.9+394036. <i>Astrophysical Journal</i> , 2022 , 924, 16	4.7	1
36	FIRST J153350.8+272729: The Radio Afterglow of a Decades-old Tidal Disruption Event. <i>Astrophysical Journal</i> , 2022 , 925, 220	4.7	1
35	SKA and the Magnetic Universe 2007 , 103-108		1
34	First Discovery of New Pulsars and RRATs with CHIME/FRB. <i>Astrophysical Journal</i> , 2021 , 922, 43	4.7	1
33	PSR J1119B127 and the X-ray emission from high magnetic field radio pulsars 2007 , 89-94		1
32	Pulsar Bow Shocks as Probes of Warm Neutral Gas 2004 , 141-145		1

31	Mapping Galactic Magnetism through Faraday Rotation of Polarized Extragalactic Sources. <i>Thirty Years of Astronomical Discovery With UKIRT</i> , 2008 , 329-329	0.3	1
30	A Comparison of Multiphase Magnetic Field Tracers in a High Galactic Latitude Region of the Filamentary Interstellar Medium. <i>Astrophysical Journal</i> , 2022 , 927, 49	4.7	1
29	A Unified Model for the Fan Region and the North Polar Spur: A Bundle of Filaments in the Local Galaxy. <i>Astrophysical Journal</i> , 2021 , 923, 58	4.7	1
28	Multi-scale feedback and feeding in the closest radio galaxy Centaurus A. <i>Nature Astronomy</i> , 2022 , 6, 109-120	12.1	1
27	The Global Magneto-Ionic Medium Survey (GMIMS): the brightest polarized region in the southern sky at 75 cm and its implications for Radio Loop II. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021 , 507, 3495-3518	4.3	0
26	SMSS J130522.47-093113.0: a high-latitude stellar X-ray source with pc-scale outflow relics?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018 , 477, 766-779	4.3	
25	The radio remnant of Supernova 1987A at high frequencies and high resolution. <i>Proceedings of the International Astronomical Union</i> , 2013 , 9, 23-26	0.1	
24	Workshop on Radio Transients. <i>Proceedings of the International Astronomical Union</i> , 2011 , 7, 272-272	0.1	
23	Energizing the Disk-Halo at Different Redshifts: Linking the cosmic evolution of gas and star formation in galaxies. <i>EAS Publications Series</i> , 2012 , 56, 135-142	0.2	
22	The extended X-ray emission around RRAT J1819-458. <i>Proceedings of the International Astronomical Union</i> , 2012 , 8, 261-264	0.1	
21	Spectropolarimetry of supernova remnant G296.5 + 10.0. <i>Proceedings of the International Astronomical Union</i> , 2008 , 4, 141-144	0.1	
20	The Square Kilometre Array (SKA). <i>Proceedings of the International Astronomical Union</i> , 2006 , 2, 390-391	0.1	
19	Searching for Compact Objects in Supernova Remnants: Initial Results. <i>Symposium - International Astronomical Union</i> , 2004 , 218, 123-126		
18	A Galactic Example of a Massive Chimney. <i>Symposium - International Astronomical Union</i> , 2004 , 217, 294-299		
17	A 330 MHz Survey for Pulsars and Supernova Remnants in M31. <i>Symposium - International Astronomical Union</i> , 2004 , 218, 91-92		
16	Millimeter-wave Imaging of Pulsar Wind Nebulae. <i>Symposium - International Astronomical Union</i> , 2004 , 218, 207-210		
15	Chandra Study of the Central Object Associated with the Supernova Remnant MSH 11-02. <i>Symposium - International Astronomical Union</i> , 2004 , 218, 203-206		
14	Anomalous X-ray pulsars and soft gamma-ray repeaters in supernova remnants. <i>International Astronomical Union Colloquium</i> , 2000 , 177, 703-706		

- 13 Discovery of a supernova remnant with a central X-ray source: AX J184453.3-025642 in G 29.6+0.1. *International Astronomical Union Colloquium*, **2000**, 177, 707-708
- 12 Chandra Studies of Supernova Remnants and Pulsars. *Symposium - International Astronomical Union*, **2001**, 205, 358-365
- 11 Super-Resolution of the Radio Remnant of SN 1987A. *International Astronomical Union Colloquium*, **1998**, 164, 359-360
- 10 Long-term Variability of Extragalactic Sources at 843 MHz. *Symposium - International Astronomical Union*, **1996**, 175, 103-104
- 9 The Structure of Galactic Hydrogen on the Largest Scales **2004**, 34-38
- 8 Radio Polarimetry in the Southern Galactic Plane Survey **2004**, 312-312
- 7 Pulsar Wind Nebulae in EGRET Error Boxes **2005**, 93-100
- 6 Chandra smells a RRAT **2007**, 95-99
- 5 Chandra monitoring of the candidate anomalous X-ray pulsar AX J1845.0-0258 **2007**, 519-523
- 4 A Long Overdue Synthesis Image of Centaurus A. *Thirty Years of Astronomical Discovery With UKIRT*, **2008**, 287-288 0.3
- 3 Revealing Cosmic Magnetism with the Square Kilometre Array. *Thirty Years of Astronomical Discovery With UKIRT*, **2008**, 323-323 0.3
- 2 Magnetic Fields in Supernova Remnants and Pulsar-Wind Nebulae. *Space Sciences Series of ISSI*, **2011**, 231-261 0.1
- 1 Erratum The Global Magneto-Ionic Medium Survey: A Faraday Depth Survey of the Northern Sky Covering 1280–750 MHz [(2021, AJ, 162, 35). *Astronomical Journal*, **2021**, 162, 173 4.9