Melanie Johnston-Hollitt

List of Publications by Year
in descending order

191 papers	8,365 citations	57631 44 h-index	54797 84 g-index
192 all docs	192 docs citations	192 times ranked	5667 citing authors

#	Article	IF	Citations
1	The Galactic Faraday rotation sky 2020. Astronomy and Astrophysics, 2022, 657, A43.	2.1	49
2	The merging galaxy cluster AbellÂ3266 at low radio frequencies. Monthly Notices of the Royal Astronomical Society, 2022, 511, 3525-3535.	1.6	9
3	Wide-band spectral variability of peaked spectrum sources. Monthly Notices of the Royal Astronomical Society, 2022, 512, 5358-5373.	1.6	4
4	Multi-scale feedback and feeding in the closest radio galaxy Centaurus A. Nature Astronomy, 2022, 6, 109-120.	4.2	16
5	Improved sensitivity for space domain awareness observations with the murchison widefield array. Advances in Space Research, 2022, 70, 812-824.	1.2	6
6	Independent Discovery of a Nulling Pulsar with Unusual Subpulse Drifting Properties with the Murchison Widefield Array. Astrophysical Journal, 2022, 933, 210.	1.6	5
7	Remnant radio galaxies discovered in a multi-frequency survey. Publications of the Astronomical Society of Australia, 2021, 38, .	1.3	20
8	Diffuse galaxy cluster emission at 168 MHz within the Murchison Widefield Array Epoch of Reionization 0-h field. Publications of the Astronomical Society of Australia, 2021, 38, .	1.3	13
9	SPT-CL J2032â€“5627: A new Southern double relic cluster observed with ASKAP. Publications of the Astronomical Society of Australia, 2021, 38, .	1.3	9
10	FIGARO simulation: FIlaments & GAlactic RadiO simulation. Publications of the Astronomical Society of Australia, 2021, 38, .	1.3	6
11	MWA and ASKAP observations of atypical radio-halo-hosting galaxy clusters: Abell 141 and Abell 3404. Publications of the Astronomical Society of Australia, 2021, 38, .	1.3	19
12	Radio observations of the merging galaxy cluster system Abell 3391-Abell 3395. Astronomy and Astrophysics, 2021, 647, A3.	2.1	25
13	Ultra-steep-spectrum Radio â€œJellyfishâ€•Uncovered in A2877. Astrophysical Journal, 2021, 909, 198.	1.6	16
14	Discovery of a Steep-spectrum Low-luminosity Pulsar with the Murchison Widefield Array. Astrophysical Journal Letters, 2021, 911, L26.	3.0	12
15	The Merger Dynamics of the Galaxy Cluster A1775: New Insights from Chandra and XMM-Newton for a Cluster Simultaneously Hosting a Wide-angle Tail and a Narrow-angle Tail Radio Source. Astrophysical Journal, 2021, 913, 8.	1.6	4
16	Low-frequency integrated radio spectra of diffuse, steep-spectrum sources in galaxy clusters: palaeontology with the MWA and ASKAP. Publications of the Astronomical Society of Australia, 2021, 38, .	1.3	24
17	Removing non-physical structure in fitted Faraday rotated signals: Non-parametric QU-fitting. Publications of the Astronomical Society of Australia, 2021, 38, .	1.3	3
18	The MWA long baseline Epoch of reionisation surveyâ€”I. Improved source catalogue for the EoR 0 field. Publications of the Astronomical Society of Australia, 2021, 38, .	1.3	5

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19	w-Stacking w-projection hybrid algorithm for wide-field interferometric imaging: implementation details and improvements. Publications of the Astronomical Society of Australia, 2020, 37, .	1.3	4
20	ASKAP reveals giant radio halos in two merging SPT galaxy clusters. Publications of the Astronomical Society of Australia, 2020, 37, .	1.3	10
21	Pre-selection of the candidate fields for deep imaging of the epoch of reionization with SKA1-low. Monthly Notices of the Royal Astronomical Society, 2020, 499, 3434-3444.	1.6	2
22	The GLEAMing of the first supermassive black holes. Publications of the Astronomical Society of Australia, 2020, 37, .	1.3	8
23	Magnetism Science with the Square Kilometre Array. Galaxies, 2020, 8, 53.	1.1	41
24	Low(er) frequency follow-up of 28 candidate, large-scale synchrotron sources. Publications of the Astronomical Society of Australia, 2020, 37, .	1.3	8
25	Murchison Widefield Array detection of steep-spectrum, diffuse, non-thermal radio emission within Abell 1127. Publications of the Astronomical Society of Australia, 2020, 37, .	1.3	15
26	Calibration database for the Murchison Widefield Array All-Sky Virtual Observatory. Publications of the Astronomical Society of Australia, 2020, 37, .	1.3	7
27	The GLEAM 4-Jy (G4Jy) Sample: I. Definition and the catalogue. Publications of the Astronomical Society of Australia, 2020, 37, .	1.3	13
28	Searching for dark matter signals from local dwarf spheroidal galaxies at low radio frequencies in the GLEAM survey. Monthly Notices of the Royal Astronomical Society, 2020, 494, 135-145.	1.6	9
29	Wide-band Rotation Measure Synthesis. Astrophysical Journal, 2020, 894, 38.	1.6	7
30	Discovery of a Giant Radio Fossil in the Ophiuchus Galaxy Cluster. Astrophysical Journal, 2020, 891, 1.	1.6	28
31	Novel perspectives gained from new reconstruction algorithms. , 2020, , .		0
32	Gridded and direct Epoch of Reionisation bispectrum estimates using the Murchison Widefield Array. Publications of the Astronomical Society of Australia, 2019, 36, .	1.3	19
33	Improved Techniques for the Surveillance of the Near Earth Space Environment with the Murchison Widefield Array. , 2019, , .		17
34	The emission and scintillation properties of RRAT J2325â^'0530 at 154 MHz and 1.4 GHz. Publications of the Astronomical Society of Australia, 2019, 36, .	1.3	11
35	A Fast and Exact w-stacking and w-projection Hybrid Algorithm for Wide-field Interferometric Imaging. Astrophysical Journal, 2019, 874, 174.	1.6	13
36	Murchison Widefield Array and XMM-Newton observations of the Galactic supernova remnant G5.9+3.1. Astronomy and Astrophysics, 2019, 625, A93.	2.1	1

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37	The remnant radio galaxy associated with NGC 1534. Publications of the Astronomical Society of Australia, 2019, 36, .	1.3	14
38	GaLactic and Extragalactic All-sky Murchison Widefield Array (GLEAM) survey II: Galactic plane 345Â° <i>l</i>< 67Â°, 180Â° <i>l</i>< 240Â°. Publications of the Astronomical Society of Australia, 2019, 36, .	1.3	30
39	First Season MWA Phase II Epoch of Reionization Power Spectrum Results at Redshift 7. Astrophysical Journal, 2019, 887, 141.	1.6	69
40	Science with the Murchison Widefield Array: Phase I results and Phase II opportunities. Publications of the Astronomical Society of Australia, 2019, 36, .	1.3	29
41	A High Time-resolution Study of the Millisecond Pulsar J2241â^'5236 at Frequencies Below 300 MHz. Astrophysical Journal, 2019, 882, 133.	1.6	6
42	Limits on radio emission from meteors using the MWA. Monthly Notices of the Royal Astronomical Society, 2018, 477, 5167-5176.	1.6	15
43	A Serendipitous MWA Search for Narrowband Signals from â€˜Oumuamua. Astrophysical Journal, 2018, 857, 11.	1.6	19
44	Low Altitude Solar Magnetic Reconnection, Type III Solar Radio Bursts, and X-ray Emissions. Scientific Reports, 2018, 8, 1676.	1.6	38
45	Observations of Low-frequency Radio Emission from Millisecond Pulsars and Multipath Propagation in the Interstellar Medium. Astrophysical Journal, Supplement Series, 2018, 238, 1.	3.0	17
46	Hunting for Radio Emission from the Intermittent Pulsar J1107-5907 at Low Frequencies. Astrophysical Journal, 2018, 869, 134.	1.6	11
47	New Insights in Extragalactic Magnetic Fields. Proceedings of the International Astronomical Union, 2018, 14, 287-290.	0.0	1
48	The Phase II Murchison Widefield Array: Design overview. Publications of the Astronomical Society of Australia, 2018, 35, .	1.3	140
49	In situ measurement of MWA primary beam variation using ORBCOMM. Publications of the Astronomical Society of Australia, 2018, 35, .	1.3	24
50	Comparing Redundant and Sky-model-based Interferometric Calibration: A First Look with Phase II of the MWA. Astrophysical Journal, 2018, 863, 170.	1.6	41
51	No Low-frequency Emission from Extremely Bright Fast Radio Bursts. Astrophysical Journal Letters, 2018, 867, L12.	3.0	42
52	Galactic synchrotron distribution derived from 152 Hâ€‰ii region absorption features in the full GLEAM survey. Monthly Notices of the Royal Astronomical Society, 2018, 479, 4041-4055.	1.6	13
53	A multifrequency radio continuum study of the Magellanic Clouds â€“ I. Overall structure and star formation rates. Monthly Notices of the Royal Astronomical Society, 2018, 480, 2743-2756.	1.6	21
54	The spectral energy distribution of powerful starburst galaxies â€“ I. Modelling the radio continuum. Monthly Notices of the Royal Astronomical Society, 2018, 474, 779-799.	1.6	32

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55	ATCA observations of the MACS-Planck Radio Halo Cluster Project. Astronomy and Astrophysics, 2018, 611, A94.	2.1	4
56	Observations of a nearby filament of galaxy clusters with the Sardinia Radio Telescope. Monthly Notices of the Royal Astronomical Society, 2018, 479, 776-806.	1.6	38
57	GaLactic and Extragalactic All-sky Murchison Widefield Array (GLEAM) survey â€“ I. A low-frequency extragalactic catalogue. Monthly Notices of the Royal Astronomical Society, 2017, 464, 1146-1167.	1.6	402
58	A Matched Filter Technique for Slow Radio Transient Detection and First Demonstration with the Murchison Widefield Array. Astronomical Journal, 2017, 153, 98.	1.9	9
59	Spectral Energy Distribution and Radio Halo of NGC 253 at Low Radio Frequencies. Astrophysical Journal, 2017, 838, 68.	1.6	23
60	The <scp>XXL</scp> survey: First results and future. Astronomische Nachrichten, 2017, 338, 334-341.	0.6	9
61	Extragalactic Peaked-spectrum Radio Sources at Low Frequencies. Astrophysical Journal, 2017, 836, 174.	1.6	112
62	Galaxy clusters: Radio relics from fossil electrons. Nature Astronomy, 2017, 1, .	4.2	8
63	The Taipan Galaxy Survey: Scientific Goals and Observing Strategy. Publications of the Astronomical Society of Australia, 2017, 34, .	1.3	73
64	A High-Resolution Foreground Model for the MWA EoR1 Field: Model and Implications for EoR Power Spectrum Analysis. Publications of the Astronomical Society of Australia, 2017, 34, .	1.3	25
65	The Engineering Development Array: A Low Frequency Radio Telescope Utilising SKA Precursor Technology. Publications of the Astronomical Society of Australia, 2017, 34, .	1.3	15
66	The Challenges of Low-Frequency Radio Polarimetry: Lessons from the Murchison Widefield Array. Publications of the Astronomical Society of Australia, 2017, 34, .	1.3	45
67	NGCÂ741â€”Mergers and AGN Feedback on a Galaxy-group Scale. Astrophysical Journal, 2017, 845, 84.	1.6	18
68	A search for long-time-scale, low-frequency radio transients. Monthly Notices of the Royal Astronomical Society, 2017, 466, 1944-1953.	1.6	30
69	Low-Frequency Spectral Energy Distributions of Radio Pulsars Detected with the Murchison Widefield Array. Publications of the Astronomical Society of Australia, 2017, 34, .	1.3	25
70	Calibration and Stokes Imaging with Full Embedded Element Primary Beam Model for the Murchison Widefield Array. Publications of the Astronomical Society of Australia, 2017, 34, .	1.3	51
71	Wavelet-based Characterization of Small-scale Solar Emission Features at Low Radio Frequencies. Astrophysical Journal, 2017, 843, 19.	1.6	26
72	Follow Up of GW170817 and Its Electromagnetic Counterpart by Australian-Led Observing Programmes. Publications of the Astronomical Society of Australia, 2017, 34, .	1.3	142

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73	Observations of the galaxy cluster CIZA J2242.8+5301 with the Sardinia Radio Telescope. Monthly Notices of the Royal Astronomical Society, 2017, 472, 3605-3623.	1.6	21
74	Galactic synchrotron emissivity measurements between 250Â° <i>l</i>< 355Â° from the GLEAM survey with the MWA. Monthly Notices of the Royal Astronomical Society, 2017, 465, 3163-3174.	1.6	12
75	Dynamics of Abell 3266 â€“ I. An optical view of a complex merging cluster. Monthly Notices of the Royal Astronomical Society, 2017, 468, 2645-2654.	1.6	7
76	Sardinia Radio Telescope observations of Abell 194. Astronomy and Astrophysics, 2017, 603, A122.	2.1	51
77	ATCA observations of the MACS-PlanckRadio Halo Cluster Project. Astronomy and Astrophysics, 2016, 595, A116.	2.1	22
78	High-energy sources at low radio frequency: the Murchison Widefield Array view ofFermiblazars. Astronomy and Astrophysics, 2016, 588, A141.	2.1	31
79	LOW-FREQUENCY OBSERVATIONS OF LINEARLY POLARIZED STRUCTURES IN THE INTERSTELLAR MEDIUM NEAR THE SOUTH GALACTIC POLE. Astrophysical Journal, 2016, 830, 38.	1.6	58
80	DELAY SPECTRUM WITH PHASE-TRACKING ARRAYS: EXTRACTING THE H i POWER SPECTRUM FROM THE EPOCH OF REIONIZATION. Astrophysical Journal, 2016, 833, 213.	1.6	15
81	Using rotation measure grids to detect cosmological magnetic fields: A Bayesian approach. Astronomy and Astrophysics, 2016, 591, A13.	2.1	28
82	The radio spectral energy distribution of infrared-faint radio sources. Astronomy and Astrophysics, 2016, 593, A130.	2.1	8
83	A Large-Scale, Low-Frequency Murchison Widefield Array Survey of Galactic H <scp>ii</scp> Regions between 260 < l < 340. Publications of the Astronomical Society of Australia, 2016, 33, .	1.3	16
84	Ionospheric Modelling using GPS to Calibrate the MWA. II: Regional Ionospheric Modelling using GPS and GLONASS to Estimate Ionospheric Gradients. Publications of the Astronomical Society of Australia, 2016, 33, .	1.3	8
85	RADIO SOURCES IN THE NCP REGION OBSERVED WITH THE 21 CENTIMETER ARRAY. Astrophysical Journal, 2016, 832, 190.	1.6	21
86	BEAM-FORMING ERRORS IN MURCHISON WIDEFIELD ARRAY PHASED ARRAY ANTENNAS AND THEIR EFFECTS ON EPOCH OF REIONIZATION SCIENCE. Astrophysical Journal, 2016, 820, 44.	1.6	11
87	FIRST SEASON MWA EOR POWER SPECTRUM RESULTS AT REDSHIFT 7. Astrophysical Journal, 2016, 833, 102.	1.6	147
88	THE IMPORTANCE OF WIDE-FIELD FOREGROUND REMOVAL FOR 21 cm COSMOLOGY: A DEMONSTRATION WITH EARLY MWA EPOCH OF REIONIZATION OBSERVATIONS. Astrophysical Journal, 2016, 819, 8.	1.6	65
89	An optical analysis of the merging cluster Abell 3888. Monthly Notices of the Royal Astronomical Society, 2016, 458, 3083-3098.	1.6	7
90	The ATCA REXCESS Diffuse Emission Survey (ARDES) â€“ I. Detection of a giant radio halo and a likely radio relic. Monthly Notices of the Royal Astronomical Society, 2016, 459, 2525-2538.	1.6	19

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91	A high reliability survey of discrete Epoch of Reionization foreground sources in the MWA EoR0 field. Monthly Notices of the Royal Astronomical Society, 2016, 461, 4151-4175.	1.6	27
92	An improved method for polarimetric image restoration in interferometry. Monthly Notices of the Royal Astronomical Society, 2016, 462, 3483-3501.	1.6	19
93	SUPPLEMENT: â€œLOCALIZATION AND BROADBAND FOLLOW-UP OF THE GRAVITATIONAL-WAVE TRANSIENT GW150914â€•(2016, ApJL, 826, L13). Astrophysical Journal, Supplement Series, 2016, 225, 8.	3.0	44
94	THE MURCHISON WIDEFIELD ARRAY 21 cm POWER SPECTRUM ANALYSIS METHODOLOGY. Astrophysical Journal, 2016, 825, 114.	1.6	67
95	Time-domain and spectral properties of pulsars at 154ÂMHz. Monthly Notices of the Royal Astronomical Society, 2016, 461, 908-921.	1.6	35
96	Low radio frequency observations and spectral modelling of the remnant of Supernova 1987A. Monthly Notices of the Royal Astronomical Society, 2016, 462, 290-297.	1.6	15
97	Limits on Fast Radio Bursts and other transient sources at 182ÂMHz using the Murchison Widefield Array. Monthly Notices of the Royal Astronomical Society, 2016, 458, 3506-3522.	1.6	70
98	The 154ÂMHz 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.	1.6	47
99	KAT-7 observations of an unbiased sample of mass-selected galaxy clusters. Monthly Notices of the Royal Astronomical Society, 2016, 456, 1259-1268.	1.6	22
100	First limits on the 21Âcm power spectrum during the Epoch of X-ray heating. Monthly Notices of the Royal Astronomical Society, 2016, 460, 4320-4347.	1.6	79
101	Parametrizing Epoch of Reionization foregrounds: a deep survey of low-frequency point-source spectra with the Murchison Widefield Array. Monthly Notices of the Royal Astronomical Society, 2016, 458, 1057-1070.	1.6	68
102	CHIPS: THE COSMOLOGICAL H i POWER SPECTRUM ESTIMATOR. Astrophysical Journal, 2016, 818, 139.	1.6	98
103	GLEAM: The GaLactic and Extragalactic All-Sky MWA Survey. Publications of the Astronomical Society of Australia, 2015, 32, .	1.3	221
104	Ionospheric Modelling using GPS to Calibrate the MWA. I: Comparison of First Order Ionospheric Effects between GPS Models and MWA Observations. Publications of the Astronomical Society of Australia, 2015, 32, .	1.3	13
105	MURCHISON WIDEFIELD ARRAY OBSERVATIONS OF ANOMALOUS VARIABILITY: A SERENDIPITOUS NIGHT-TIME DETECTION OF INTERPLANETARY SCINTILLATION. Astrophysical Journal Letters, 2015, 809, L12.	3.0	19
106	Power spectrum analysis of ionospheric fluctuations with the Murchison Widefield Array. Radio Science, 2015, 50, 574-597.	0.8	30
107	Empirical covariance modeling for 21Âcm power spectrum estimation: A method demonstration and new limits from early Murchison Widefield Array 128-tile data. Physical Review D, 2015, 91, .	1.6	99
108	FRONTIER FIELDS CLUSTERS:CHANDRAAND JVLA VIEW OF THE PRE-MERGING CLUSTER MACS J0416.1-2403. Astrophysical Journal, 2015, 812, 153.	1.6	44

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109	SIMULTANEOUS OBSERVATIONS OF GIANT PULSES FROM THE CRAB PULSAR, WITH THE MURCHISON WIDEFIELD ARRAY AND PARKES RADIO TELESCOPE: IMPLICATIONS FOR THE GIANT PULSE EMISSION MECHANISM. Astrophysical Journal, 2015, 809, 51.	1.6	12
110	BROADBAND SPECTRAL MODELING OF THE EXTREME GIGAHERTZ-PEAKED SPECTRUM RADIO SOURCE PKS B0008-421. Astrophysical Journal, 2015, 809, 168.	1.6	65
111	Estimating extragalactic Faraday rotation. Astronomy and Astrophysics, 2015, 575, A118.	2.1	140
112	A SEARCH FOR FAST RADIO BURSTS AT LOW FREQUENCIES WITH MURCHISON WIDEFIELD ARRAY HIGH TIME RESOLUTION IMAGING. Astronomical Journal, 2015, 150, 199.	1.9	45
113	Waves in the sky: Probing the ionosphere with the Murchison Widefield Array. , 2015, , .		0
114	An analysis of the halo and relic radio emission from Abell 3376 from Murchison Widefield Array observations. Monthly Notices of the Royal Astronomical Society, 2015, 451, 4207-4214.	1.6	12
115	Another shock for the Bullet cluster, and the source of seed electrons for radio relics. Monthly Notices of the Royal Astronomical Society, 2015, 449, 1486-1494.	1.6	96
116	Quantifying ionospheric effects on time-domain astrophysics with the Murchison Widefield Array. Monthly Notices of the Royal Astronomical Society, 2015, 453, 2732-2747.	1.6	24
117	Realâ€time imaging of density ducts between the plasmasphere and ionosphere. Geophysical Research Letters, 2015, 42, 3707-3714.	1.5	61
118	Measuring phasedâ€array antenna beampatterns with high dynamic range for the Murchison Widefield Array using 137â€‰MHz ORBCOMM satellites. Radio Science, 2015, 50, 614-629.	0.8	42
119	A digital-receiver for the MurchisonWidefield Array. Experimental Astronomy, 2015, 39, 73-93.	1.6	17
120	THE SPECTRAL VARIABILITY OF THE GHZ-PEAKED SPECTRUM RADIO SOURCE PKS 1718-649 AND A COMPARISON OF ABSORPTION MODELS. Astronomical Journal, 2015, 149, 74.	1.9	36
121	Serendipitous discovery of a dying Giant Radio Galaxy associated with NGCÂ1534, using the Murchison Widefield Array. Monthly Notices of the Royal Astronomical Society, 2015, 447, 2468-2478.	1.6	31
122	CONFIRMATION OF WIDE-FIELD SIGNATURES IN REDSHIFTED 21 cm POWER SPECTRA. Astrophysical Journal Letters, 2015, 807, L28.	3.0	73
123	The Murchison Widefield Array Correlator. Publications of the Astronomical Society of Australia, 2015, 32, .	1.3	39
124	The High Time and Frequency Resolution Capabilities of the Murchison Widefield Array. Publications of the Astronomical Society of Australia, 2015, 32, .	1.3	44
125	The Low-Frequency Environment of the Murchison Widefield Array: Radio-Frequency Interference Analysis and Mitigation. Publications of the Astronomical Society of Australia, 2015, 32, .	1.3	107
126	FOREGROUNDS IN WIDE-FIELD REDSHIFTED 21 cm POWER SPECTRA. Astrophysical Journal, 2015, 804, 14.	1.6	122

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127	Modelling of the spectral energy distribution of Fornax A: leptonic and hadronic production of high-energy emission from the radio lobes. Monthly Notices of the Royal Astronomical Society, 2015, 446, 3478-3491.	1.6	41
128	Using SKA Rotation Measures to Reveal the Mysteries of the Magnetised Universe. , 2015, , .		23
129	Measuring magnetism in the Milky Way with the Square Kilometre Array. , 2015, , .		8
130	BENT-TAILED RADIO SOURCES IN THE AUSTRALIA TELESCOPE LARGE AREA SURVEY OF THE CHANDRA DEEP FIELD SOUTH. Astronomical Journal, 2014, 148, 75.	1.9	19
131	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.	1.6	39
132	Tailed radio galaxies as probes of cluster physics in the square kilometre array Era. , 2014, , .		0
133	The First Murchison Widefield Array low-frequency radio observations of cluster scale non-thermal emission: the case of Abell 3667. Monthly Notices of the Royal Astronomical Society, 2014, 445, 330-346.	1.6	39
134	CLUSTERS, GROUPS, AND FILAMENTS IN THE CHANDRA DEEP FIELD-SOUTH UP TO REDSHIFT 1. Astronomical Journal, 2014, 147, 52.	1.9	17
135	Multiwavelength Observations of AB Doradus. Publications of the Astronomical Society of Australia, 2014, 31, .	1.3	1
136	THE LOW-FREQUENCY CHARACTERISTICS OF PSR J0437â€“4715 OBSERVED WITH THE MURCHISON WIDE-FIELD ARRAY. Astrophysical Journal Letters, 2014, 791, L32.	3.0	17
137	wsclean: an implementation of a fast, generic wide-field imager for radio astronomy. Monthly Notices of the Royal Astronomical Society, 2014, 444, 606-619.	1.6	562
138	STUDY OF REDSHIFTED H I FROM THE EPOCH OF REIONIZATION WITH DRIFT SCAN. Astrophysical Journal, 2014, 793, 28.	1.6	10
139	Discovery of large-scale diffuse radio emission and of a new galaxy cluster in the surroundings of MACSâ€‰J0520.7-1328. Astronomy and Astrophysics, 2014, 565, A13.	2.1	12
140	First look Murchison Widefield Array observations of Abell 3667. , 2014, , .		0
141	Observing the Sun with the Murchison Widefield Array. , 2014, , .		2
142	A survey for transients and variables with the Murchison Widefield Array 32-tile prototype at 154 MHz. Monthly Notices of the Royal Astronomical Society, 2014, 438, 352-367.	1.6	54
143	Using radio jets of PKS J0334-3900 to probe the intra-cluster medium in A3135. Proceedings of the International Astronomical Union, 2014, 10, 301-302.	0.0	0
144	Using the morphology and magnetic fields of tailed radio galaxies as environmental probes. Proceedings of the International Astronomical Union, 2014, 10, 321-326.	0.0	0

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145	The Murchison Widefield Array Commissioning Survey: A Low-Frequency Catalogue of 14 110 Compact Radio Sources over 6 100 Square Degrees. Publications of the Astronomical Society of Australia, 2014, 31, .	1.3	62
146	Science with the Murchison Widefield Array. Publications of the Astronomical Society of Australia, 2013, 30, .	1.3	260
147	The Murchison Widefield Array: The Square Kilometre Array Precursor at Low Radio Frequencies. Publications of the Astronomical Society of Australia, 2013, 30, .	1.3	892
148	The G305 star-forming complex: radio continuum and molecular line observations. Monthly Notices of the Royal Astronomical Society, 2013, 435, 2003-2022.	1.6	19
149	The EoR sensitivity of the Murchison Widefield Array. Monthly Notices of the Royal Astronomical Society: Letters, 2013, 429, L5-L9.	1.2	62
150	Using headâ€“tail galaxies to constrain the intracluster magnetic field: an in-depth study of PKS J0334â˜3900. Monthly Notices of the Royal Astronomical Society, 2013, 432, 243-257.	1.6	23
151	The giant lobes of Centaurus A observed at 118â€‰MHz with the Murchison Widefield Array. Monthly Notices of the Royal Astronomical Society, 2013, 436, 1286-1301.	1.6	19
152	LOW-FREQUENCY OBSERVATIONS OF THE MOON WITH THE MURCHISON WIDEFIELD ARRAY. Astronomical Journal, 2013, 145, 23.	1.9	31
153	A 189 MHz, 2400 deg²POLARIZATION SURVEY WITH THE MURCHISON WIDEFIELD ARRAY 32-ELEMENT PROTOTYPE. Astrophysical Journal, 2013, 771, 105.	1.6	79
154	Radio Continuum Surveys with Square Kilometre Array Pathfinders. Publications of the Astronomical Society of Australia, 2013, 30, .	1.3	72
155	ON THE DETECTION AND TRACKING OF SPACE DEBRIS USING THE MURCHISON WIDEFIELD ARRAY. I. SIMULATIONS AND TEST OBSERVATIONS DEMONSTRATE FEASIBILITY. Astronomical Journal, 2013, 146, 103.	1.9	34
156	The Murchison Widefield Array: solar science with the low frequency SKA Precursor. Journal of Physics: Conference Series, 2013, 440, 012033.	0.3	15
157	A STUDY OF FUNDAMENTAL LIMITATIONS TO STATISTICAL DETECTION OF REDSHIFTED H I FROM THE EPOCH OF REIONIZATION. Astrophysical Journal, 2013, 776, 6.	1.6	123
158	Latent Dirichlet allocation for image segmentation and source finding in radio astronomy images. , 2012, , .		3
159	ON THE RELIABILITY OF POLARIZATION ESTIMATION USING ROTATION MEASURE SYNTHESIS. Astrophysical Journal, 2012, 750, 139.	1.6	36
160	FAST HOLOGRAPHIC DECONVOLUTION: A NEW TECHNIQUE FOR PRECISION RADIO INTERFEROMETRY. Astrophysical Journal, 2012, 759, 17.	1.6	76
161	Science at Very High Angular Resolution with the Square Kilometre Array. Publications of the Astronomical Society of Australia, 2012, 29, 42-53.	1.3	29
162	Feature Detection in Radio Astronomy using the Circle Hough Transform. Publications of the Astronomical Society of Australia, 2012, 29, 309-317.	1.3	17

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163	Radio halos in future surveys in the radio continuum. Astronomy and Astrophysics, 2012, 548, A100.	2.1	55
164	An improved map of the Galactic Faraday sky. Astronomy and Astrophysics, 2012, 542, A93.	2.1	208
165	THE RADIO CONTINUUM STRUCTURE OF CENTAURUS A AT 1.4 GHz. Astrophysical Journal, 2011, 740, 17.	1.6	46
166	EMU: Evolutionary Map of the Universe. Publications of the Astronomical Society of Australia, 2011, 28, 215-248.	1.3	312
167	The radio properties of infrared-faint radio sources. Astronomy and Astrophysics, 2011, 526, A8.	2.1	27
168	Tailed Radio Sources in the CDFS Field. Journal of Astrophysics and Astronomy, 2011, 32, 491-492.	0.4	3
169	Searching for Excess Rotation Measures in Galaxy Clusters with the NVSS. Journal of Astrophysics and Astronomy, 2011, 32, 539-540.	0.4	1
170	ATLAS, and Wide-Angle Tail Galaxies in ATLAS. Journal of Astrophysics and Astronomy, 2011, 32, 585-588.	0.4	3
171	Wide-angle tail galaxies in ATLAS. Monthly Notices of the Royal Astronomical Society, 2010, 406, 2578-2590.	1.6	33
172	FARADAY ROTATION STRUCTURE ON KILOPARSEC SCALES IN THE RADIO LOBES OF CENTAURUS A. Astrophysical Journal, 2009, 707, 114-125.	1.6	65
173	Head-tail Galaxies: beacons of high-density regions in clusters. Monthly Notices of the Royal Astronomical Society, 2009, 392, 1070-1079.	1.6	26
174	Radio observations of the Horologium-Reticulum supercluster - I. A3158: excess star-forming galaxies in a merging cluster?. Monthly Notices of the Royal Astronomical Society, 2008, 390, 289-303.	1.6	30
175	The optical morphology of A3667 re-examined. Astronomy and Astrophysics, 2008, 479, 1-8.	2.1	22
176	A Long Overdue Synthesis Image of Centaurus A. Thirty Years of Astronomical Discovery With UKIRT, 2008, , 287-288.	0.3	0
177	Water masers within the G 333.2â€“0.6 giant molecular cloud. Proceedings of the International Astronomical Union, 2007, 3, 144-145.	0.0	0
178	EXECUTIVE COMMITTEE WORKING GROUP YOUNG ASTRONOMERS EVENTS. Proceedings of the International Astronomical Union, 2007, 3, 242-247.	0.0	0
179	A search for 22-GHz water masers within the giant molecular cloud associated with RCW 106. Monthly Notices of the Royal Astronomical Society, 2007, 377, 491-506.	1.6	33
180	Redshifts and Velocity Dispersions of Galaxy Clusters in the Horologium-Reticulum Supercluster. Astronomical Journal, 2006, 131, 1280-1287.	1.9	14

#	Article	IF	Citations
181	Radio views of cosmic reionization. Monthly Notices of the Royal Astronomical Society: Letters, 2006, 369, L66-L70.	1.2	10
182	Large-Scale Velocity Structures in the Horologium-Reticulum Supercluster. Astronomical Journal, 2005, 130, 957-967.	1.9	22
183	Radio Halo and Relic Sources in Galaxy Clusters. Highlights of Astronomy, 2005, 13, 312-316.	0.0	0
184	Magnetic fields in clusters of galaxies. New Astronomy Reviews, 2004, 48, 1145-1150.	5.2	13
185	Multiple Merging Events in the Double Cluster A3128/A3125. Astronomical Journal, 2002, 123, 1216-1246.	1.9	30
186	Southern hemisphere observations of a 1018 eV cosmic ray source near the direction of the Galactic Centre. Astroparticle Physics, 2001, 15, 167-175.	1.9	77
187	Two-point Angular Autocorrelation Function and the Origin of the Highest-energy Cosmic Rays. Publications of the Astronomical Society of Australia, 2000, 17, 207-211.	1.3	1
188	Multiwavelength Observations of PKS 2255â˜282. Astronomical Journal, 1999, 118, 1161-1168.	1.9	10
189	The Murchison Widefield Array Transients Survey (MWATS). A search for low frequency variability in a bright Southern hemisphere sample. Monthly Notices of the Royal Astronomical Society, 0, , .	1.6	9
190	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
191	Detection of a Double Relic in the Torpedo Cluster: SPT-CL J0245-5302. Monthly Notices of the Royal Astronomical Society, 0, , .	1.6	1