Steven J Tingay

List of Publications by Year
in descending order

337	16,639	25034 57	19190 118
papers	citations	h-index	g-index

340	340	340	12330
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Early-time searches for coherent radio emission from short GRBs with the Murchison Widefield Array. Publications of the Astronomical Society of Australia, 2022, 39, .	3.4	9
2	A search for technosignatures toward the Galactic Centre at 150 MHz. Publications of the Astronomical Society of Australia, 2022, 39, .	3.4	5
3	A Murchison Widefield Array Search for Transmissions from the 4M Spacecraft, On Board the Changâ€™e 5-T1 Booster, Prior to its Predicted Collision with the Moon. Research Notes of the AAS, 2022, 6, 61.	0.7	0
4	Multi-scale feedback and feeding in the closest radio galaxy Centaurus A. Nature Astronomy, 2022, 6, 109-120.	10.1	16
5	What is the SKA-Low sensitivity for your favourite radio source?. Publications of the Astronomical Society of Australia, 2022, 39, .	3.4	0
6	Constraining the radio properties of the zâ€„=â€„6.44 QSO VIK J2318âˆ’3113. Astronomy and Astrophysics, 2022, 663, A73.	5.1	6
7	Establishing the Capabilities of the Murchison Widefield Array as a Passive Radar for the Surveillance of Space. Remote Sensing, 2022, 14, 2571.	4.0	8
8	Independent Discovery of a Nulling Pulsar with Unusual Subpulse Drifting Properties with the Murchison Widefield Array. Astrophysical Journal, 2022, 933, 210.	4.5	5
9	Simulations of orbital debris clouds due to breakup events and their characterisation using the Murchison Widefield Array radio telescope. Experimental Astronomy, 2021, 51, 61-75.	3.7	0
10	Murchison Widefield Array rapid-response observations of the short GRB 180805A. Publications of the Astronomical Society of Australia, 2021, 38, .	3.4	12
11	Remnant radio galaxies discovered in a multi-frequency survey. Publications of the Astronomical Society of Australia, 2021, 38, .	3.4	20
12	High-cadence optical transient searches using drift scan imaging III: Development of an inexpensive drive control system and characterisation and correction of drive system periodic errors. Publications of the Astronomical Society of Australia, 2021, 38, .	3.4	0
13	An Ultra-High Time Resolution Cosmic-Ray Detection Mode for the Murchison Widefield Array. Journal of Astronomical Instrumentation, 2021, 10, .	1.5	3
14	Sensitivity of a low-frequency polarimetric radio interferometer. Astronomy and Astrophysics, 2021, 646, A143.	5.1	8
15	ANTARES Search for Point Sources of Neutrinos Using Astrophysical Catalogs: A Likelihood Analysis. Astrophysical Journal, 2021, 911, 48.	4.5	11
16	Discovery of a Steep-spectrum Low-luminosity Pulsar with the Murchison Widefield Array. Astrophysical Journal Letters, 2021, 911, L26.	8.3	12
17	A new MWA limit on the 21Âcm power spectrum at redshifts âˆ¼13â€“17. Monthly Notices of the Royal Astronomical Society, 2021, 505, 4775-4790.	4.4	25
18	Constraining the 21â€‰cm brightness temperature of the IGM at z = 6.6 around LAEs with the murchison widefield array. Monthly Notices of the Royal Astronomical Society, 2021, 507, 772-780.	4.4	3

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19	Architecture and performance of the KM3NeT front-end firmware. Journal of Astronomical Telescopes, Instruments, and Systems, 2021, 7, .	1.8	9
20	High cadence optical transient searches using drift scan imaging II: Event rate upper limits on optical transients of duration <21 ms and magnitude <6.6. Publications of the Astronomical Society of Australia, 2021, 38, .	3.4	6
21	A broadband radio view of transient jet ejecta in the black hole candidate X-ray binary MAXI J1535â€“571. Publications of the Astronomical Society of Australia, 2021, 38, .	3.4	4
22	Epoch of reionization power spectrum limits from Murchison Widefield Array data targeted at EoR1 field. Monthly Notices of the Royal Astronomical Society, 2021, 508, 5954-5971.	4.4	14
23	Search for Neutrinos from the Tidal Disruption Events AT2019dsg and AT2019fdr with the ANTARES Telescope. Astrophysical Journal, 2021, 920, 50.	4.5	6
24	Uncued Detection and Initial Orbit Determination From Short Observations With the Murchison Widefield Array. IEEE Aerospace and Electronic Systems Magazine, 2021, 36, 16-30.	1.3	8
25	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, .	3.4	5
26	Engineering Development Array 2: design, performance, and lessons from an SKA-Low prototype station. Journal of Astronomical Telescopes, Instruments, and Systems, 2021, 8, .	1.8	7
27	Orbit Determination Before Detect: Orbital Parameter Matched Filtering for Uncued Detection. , 2020, , .		9
28	Dark matter annihilation in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e698" altimg="si41.svg"><mml:mi>Ï‰</mml:mi></mml:math> Centauri: Astrophysical implications derived from the MWA radio data. Physics of the Dark Universe, 2020, 30, 100689.	4.9	2
29	A survey of spatially and temporally resolved radio frequency interference in the FM band at the Murchison Radio-astronomy Observatory. Publications of the Astronomical Society of Australia, 2020, 37, .	3.4	12
30	A SETI survey of the Vela region using the Murchison Widefield Array: Orders of magnitude expansion in search space. Publications of the Astronomical Society of Australia, 2020, 37, .	3.4	7
31	The impact of tandem redundant/sky-based calibration in MWA Phase II data analysis. Publications of the Astronomical Society of Australia, 2020, 37, .	3.4	8
32	Calibration database for the Murchison Widefield Array All-Sky Virtual Observatory. Publications of the Astronomical Society of Australia, 2020, 37, .	3.4	7
33	Search for neutrino counterparts of gravitational-wave events detected by LIGO and Virgo during run O2 with the ANTARES telescope. European Physical Journal C, 2020, 80, 1.	3.9	9
34	Deep multiredshift limits on Epoch of Reionization 21Âcm power spectra from four seasons of Murchison Widefield Array observations. Monthly Notices of the Royal Astronomical Society, 2020, 493, 4711-4727.	4.4	129
35	The development of non-coherent passive radar techniques for space situational awareness with the Murchison Widefield Array. Publications of the Astronomical Society of Australia, 2020, 37, .	3.4	13
36	High-cadence optical transient searches using drift scan imaging I: Proof of concept with a pre-prototype system. Publications of the Astronomical Society of Australia, 2020, 37, .	3.4	9

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37	A low-frequency blind survey of the low Earth orbit environment using non-coherent passive radar with the Murchison widefield array. Publications of the Astronomical Society of Australia, 2020, 37, .	3.4	6
38	Constraining the contribution of Gamma-Ray Bursts to the high-energy diffuse neutrino flux with 10Âyr of ANTARES data. Monthly Notices of the Royal Astronomical Society, 2020, 500, 5614-5628.	4.4	19
39	Nitric Oxide and Other Molecules: Molecular Modeling and Low-frequency Exploration Using the Murchison Widefield Array. Astrophysical Journal, 2020, 905, 65.	4.5	3
40	Archival VLBA Observations of the Cygnus A Nuclear Radio Transient (Cyg A-2) Strengthen the Tidal Disruption Event Interpretation. Astrophysical Journal Letters, 2020, 901, L17.	8.3	2
41	Gridded and direct Epoch of Reionisation bispectrum estimates using the Murchison Widefield Array. Publications of the Astronomical Society of Australia, 2019, 36, .	3.4	19
42	Multi-epoch Low-radio-frequency Surveys of the Kepler K2 Mission Campaign Fields 3, 4, and 5 with the Murchison Widefield Array. Astronomical Journal, 2019, 158, 31.	4.7	1
43	Improved Techniques for the Surveillance of the Near Earth Space Environment with the Murchison Widefield Array. , 2019, , .		17
44	Improving the Epoch of Reionization Power Spectrum Results from Murchison Widefield Array Season 1 Observations. Astrophysical Journal, 2019, 884, 1.	4.5	92
45	A Search of TESS Full-frame Images for a Simultaneous Optical Counterpart to FRB 181228. Astrophysical Journal, 2019, 881, 30.	4.5	14
46	An International Survey of Front-end Receivers and Observing Performance of Telescopes for Radio Astronomy. Publications of the Astronomical Society of the Pacific, 2019, 131, 085002.	3.1	5
47	Interplanetary Scintillation with the Murchison Widefield Array V: An all-sky survey of compact sources using a modern low-frequency radio telescope. Publications of the Astronomical Society of Australia, 2019, 36, .	3.4	13
48	Robust statistics towards detection of the 21Âcm signal from the Epoch of Reionization. Monthly Notices of the Royal Astronomical Society, 2019, 486, 5766-5784.	4.4	4
49	Interplanetary scintillation studies with the Murchison Wide-field Array â€“ IV. The hosts of sub-arcsecond compact sources at low radio frequencies. Monthly Notices of the Royal Astronomical Society, 2019, 483, 1354-1373.	4.4	8
50	Constraints on dark matter annihilation in dwarf spheroidal galaxies from low frequency radio observations. Physical Review D, 2019, 100, .	4.7	16
51	Electromagnetic modelling of the SKA-LOW AAVS1.5 prototype. , 2019, , .		13
52	A VOEvent-based automatic trigger system for the Murchison Widefield Array. Publications of the Astronomical Society of Australia, 2019, 36, .	3.4	7
53	First Season MWA Phase II Epoch of Reionization Power Spectrum Results at Redshift 7. Astrophysical Journal, 2019, 887, 141.	4.5	69
54	Science with the Murchison Widefield Array: Phase I results and Phase II opportunities. Publications of the Astronomical Society of Australia, 2019, 36, .	3.4	29

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55	KM3NeT front-end and readout electronics system: hardware, firmware, and software. Journal of Astronomical Telescopes, Instruments, and Systems, 2019, 5, 1.	1.8	18
56	A High Time-resolution Study of the Millisecond Pulsar J2241â˜5236 at Frequencies Below 300 MHz. Astrophysical Journal, 2019, 882, 133.	4.5	6
57	VLBI Observations of Southern Gamma-Ray Sources. III. Publications of the Astronomical Society of Australia, 2018, 35, .	3.4	1
58	Limits on radio emission from meteors using the MWA. Monthly Notices of the Royal Astronomical Society, 2018, 477, 5167-5176.	4.4	15
59	A Serendipitous MWA Search for Narrowband Signals from â€˜Oumuamua. Astrophysical Journal, 2018, 857, 11.	4.5	19
60	Low Altitude Solar Magnetic Reconnection, Type III Solar Radio Bursts, and X-ray Emissions. Scientific Reports, 2018, 8, 1676.	3.3	38
61	Interplanetary scintillation studies with the Murchison Widefield Array â€“ II. Properties of sub-arcsecond compact sources at low radio frequencies. Monthly Notices of the Royal Astronomical Society, 2018, 474, 4937-4955.	4.4	28
62	A wide and collimated radio jet in 3C84 on the scale of a few hundred gravitational radii. Nature Astronomy, 2018, 2, 472-477.	10.1	99
63	A Search for Extraterrestrial Intelligence (SETI) toward the Galactic Anticenter with the Murchison Widefield Array. Astrophysical Journal, 2018, 856, 31.	4.5	16
64	SMSS J130522.47â˜293113.0: a high-latitude stellar X-ray source with pc-scale outflow relics?. Monthly Notices of the Royal Astronomical Society, 2018, 477, 766-779.	4.4	0
65	Observations of Low-frequency Radio Emission from Millisecond Pulsars and Multipath Propagation in the Interstellar Medium. Astrophysical Journal, Supplement Series, 2018, 238, 1.	7.7	17
66	Extended X-ray emission in PKS 1718â˜649. Astronomy and Astrophysics, 2018, 612, L4.	5.1	14
67	Hunting for Radio Emission from the Intermittent Pulsar J1107-5907 at Low Frequencies. Astrophysical Journal, 2018, 869, 134.	4.5	11
68	Large-amplitude late-time radio variability in GRB 151027B. Astronomy and Astrophysics, 2018, 614, A29.	5.1	7
69	The Phase II Murchison Widefield Array: Design overview. Publications of the Astronomical Society of Australia, 2018, 35, .	3.4	140
70	Assessment of Ionospheric Activity Tolerances for Epoch of Reionization Science with the Murchison Widefield Array. Astrophysical Journal, 2018, 867, 15.	4.5	17
71	In situ measurement of MWA primary beam variation using ORBCOMM. Publications of the Astronomical Society of Australia, 2018, 35, .	3.4	24
72	A Review of Front-End Receivers for the INAF Radio Telescopes. , 2018, , .		1

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73	Comparing Redundant and Sky-model-based Interferometric Calibration: A First Look with Phase II of the MWA. Astrophysical Journal, 2018, 863, 170.	4.5	41
74	No Low-frequency Emission from Extremely Bright Fast Radio Bursts. Astrophysical Journal Letters, 2018, 867, L12.	8.3	42
75	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.	4.4	13
76	Measuring the global 21-cm signal with the MWA-I: improved measurements of the Galactic synchrotron background using lunar occultation. Monthly Notices of the Royal Astronomical Society, 2018, 481, 5034-5045.	4.4	20
77	TANAMI: Tracking Active Galactic Nuclei with Austral Milliarcsecond Interferometry. Astronomy and Astrophysics, 2018, 610, A1.	5.1	9
78	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.	4.4	21
79	The jet/wind outflow in Centaurus A: a local laboratory for AGN feedback. Monthly Notices of the Royal Astronomical Society, 2018, 474, 4056-4072.	4.4	20
80	A Molecular Line Survey around Orion at Low Frequencies with the MWA. Astrophysical Journal, 2018, 860, 145.	4.5	4
81	Indigenous Australian artists and astrophysicists come together to communicate science and culture via art. Journal of Science Communication, 2018, 17, C02.	0.8	0
82	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.	4.4	402
83	A Matched Filter Technique for Slow Radio Transient Detection and First Demonstration with the Murchison Widefield Array. Astronomical Journal, 2017, 153, 98.	4.7	9
84	Spectral Energy Distribution and Radio Halo of NGC 253 at Low Radio Frequencies. Astrophysical Journal, 2017, 838, 68.	4.5	23
85	Surveillance of Space using passive radar and the Murchison Widefield Array. , 2017, , .		21
86	Extragalactic Peaked-spectrum Radio Sources at Low Frequencies. Astrophysical Journal, 2017, 836, 174.	4.5	112
87	Multi-messenger Observations of a Binary Neutron Star Merger[*]. Astrophysical Journal Letters, 2017, 848, L12.	8.3	2,805
88	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, .	3.4	25
89	The Engineering Development Array: A Low Frequency Radio Telescope Utilising SKA Precursor Technology. Publications of the Astronomical Society of Australia, 2017, 34, .	3.4	15
90	Paving the way to simultaneous multi-wavelength astronomy. New Astronomy Reviews, 2017, 79, 26-48.	12.8	11

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91	A search for long-time-scale, low-frequency radio transients. Monthly Notices of the Royal Astronomical Society, 2017, 466, 1944-1953.	4.4	30
92	Wavelet-based Characterization of Small-scale Solar Emission Features at Low Radio Frequencies. Astrophysical Journal, 2017, 843, 19.	4.5	26
93	Follow Up of GW170817 and Its Electromagnetic Counterpart by Australian-Led Observing Programmes. Publications of the Astronomical Society of Australia, 2017, 34, .	3.4	142
94	Ultimate precision in cosmic-ray radio detection â€" the SKA. EPJ Web of Conferences, 2017, 135, 02003.	0.3	11
95	Spectral Flattening at Low Frequencies in Crab Giant Pulses. Astrophysical Journal, 2017, 851, 20.	4.5	26
96	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.	4.4	12
97	The Sardinia Radio Telescope. Astronomy and Astrophysics, 2017, 608, A40.	5.1	52
98	Radio light curve of the galaxy possibly associated with FRBÂ150418. Monthly Notices of the Royal Astronomical Society, 2017, 465, 2143-2150.	4.4	19
99	SN 1978K: An evolved supernova outside our Local Group detected at millimetre wavelengths. Astronomy and Astrophysics, 2016, 595, L9.	5.1	4
100	High-energy sources at low radio frequency: the Murchison Widefield Array view ofFermiblazars. Astronomy and Astrophysics, 2016, 588, A141.	5.1	31
101	LOW-FREQUENCY OBSERVATIONS OF LINEARLY POLARIZED STRUCTURES IN THE INTERSTELLAR MEDIUM NEAR THE SOUTH GALACTIC POLE. Astrophysical Journal, 2016, 830, 38.	4.5	58
102	Fast response electromagnetic follow-ups from low latency GW triggers. Journal of Physics: Conference Series, 2016, 716, 012009.	0.4	2
103	DELAY SPECTRUM WITH PHASE-TRACKING ARRAYS: EXTRACTING THE H i POWER SPECTRUM FROM THE EPOCH OF REIONIZATION. Astrophysical Journal, 2016, 833, 213.	4.5	15
104	SCINTILLATION ARCS IN LOW-FREQUENCY OBSERVATIONS OF THE TIMING-ARRAY MILLISECOND PULSAR PSR J0437â€"4715. Astrophysical Journal, 2016, 818, 86.	4.5	42
105	Radio and gamma-ray properties of extragalactic jets from the TANAMI sample. Astronomy and Astrophysics, 2016, 590, A40.	5.1	12
106	AN OPPORTUNISTIC SEARCH FOR EXTRATERRESTRIAL INTELLIGENCE (SETI) WITH THE MURCHISON WIDEFIELD ARRAY. Astrophysical Journal Letters, 2016, 827, L22.	8.3	40
107	The radio spectral energy distribution of infrared-faint radio sources. Astronomy and Astrophysics, 2016, 593, A130.	5.1	8
108	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, .	3.4	16

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109	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, .	3.4	8
110	The Parsec-Scale Morphology of Southern GPS Sources. Publications of the Astronomical Society of Australia, 2016, 33, .	3.4	1
111	BEAM-FORMING ERRORS IN MURCHISON WIDEFIELD ARRAY PHASED ARRAY ANTENNAS AND THEIR EFFECTS ON EPOCH OF REIONIZATION SCIENCE. Astrophysical Journal, 2016, 820, 44.	4.5	11
112	FIRST SEASON MWA EOR POWER SPECTRUM RESULTS AT REDSHIFT 7. Astrophysical Journal, 2016, 833, 102.	4.5	147
113	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.	4.5	65
114	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.	4.4	27
115	LIMITS ON FAST RADIO BURSTS FROM FOUR YEARS OF THE V-FASTR EXPERIMENT. Astrophysical Journal, 2016, 826, 223.	4.5	20
116	Optical and radio astrometry of the galaxy associated with FRBÂ150418. Monthly Notices of the Royal Astronomical Society: Letters, 2016, 463, L36-L40.	3.3	12
117	LOCALIZATION AND BROADBAND FOLLOW-UP OF THE GRAVITATIONAL-WAVE TRANSIENT GW150914. Astrophysical Journal Letters, 2016, 826, L13.	8.3	210
118	A MULTI-RESOLUTION, MULTI-EPOCH LOW RADIO FREQUENCY SURVEY OF THE Kepler K2 MISSION CAMPAIGN 1 FIELD. Astronomical Journal, 2016, 152, 82.	4.7	9
119	SUPPLEMENT: â€œLOCALIZATION AND BROADBAND FOLLOW-UP OF THE GRAVITATIONAL-WAVE TRANSIENT GW150914â€•(2016, ApJL, 826, L13). Astrophysical Journal, Supplement Series, 2016, 225, 8.	7.7	44
120	MURCHISON WIDEFIELD ARRAY LIMITS ON RADIO EMISSION FROM ANTARES NEUTRINO EVENTS. Astrophysical Journal Letters, 2016, 820, L24.	8.3	9
121	LIMITS ON EINSTEINâ€™S EQUIVALENCE PRINCIPLE FROM THE FIRST LOCALIZED FAST RADIO BURST FRB 150418. Astrophysical Journal Letters, 2016, 820, L31.	8.3	52
122	THE MURCHISON WIDEFIELD ARRAY 21 cm POWER SPECTRUM ANALYSIS METHODOLOGY. Astrophysical Journal, 2016, 825, 114.	4.5	67
123	Time-domain and spectral properties of pulsars at 154ÂMHz. Monthly Notices of the Royal Astronomical Society, 2016, 461, 908-921.	4.4	35
124	e-VLBI observations of GRB 080409 afterglow with an Australasian radio telescope network. Research in Astronomy and Astrophysics, 2016, 16, 164.	1.7	0
125	Absorption variability as a probe of the multiphase interstellar media surrounding active galaxies. Monthly Notices of the Royal Astronomical Society, 2016, 460, 2322-2336.	4.4	1
126	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.	4.4	70

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127	Capturing the electromagnetic counterparts of binary neutron star mergers through low-latency gravitational wave triggers. Monthly Notices of the Royal Astronomical Society, 2016, 459, 121-139.	4.4	43
128	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.	4.4	47
129	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.	4.4	79
130	A Machine Learning Classifier for Fast Radio Burst Detection at the VLBA. Publications of the Astronomical Society of the Pacific, 2016, 128, 084503.	3.1	37
131	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.	4.4	68
132	CHIPS: THE COSMOLOGICAL H i POWER SPECTRUM ESTIMATOR. Astrophysical Journal, 2016, 818, 139.	4.5	98
133	The host galaxy of a fast radio burst. Nature, 2016, 530, 453-456.	27.8	241
134	GLEAM: The GaLactic and Extragalactic All-Sky MWA Survey. Publications of the Astronomical Society of Australia, 2015, 32, .	3.4	221
135	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, .	3.4	13
136	MURCHISON WIDEFIELD ARRAY OBSERVATIONS OF ANOMALOUS VARIABILITY: A SERENDIPITOUS NIGHT-TIME DETECTION OF INTERPLANETARY SCINTILLATION. Astrophysical Journal Letters, 2015, 809, L12.	8.3	19
137	Power spectrum analysis of ionospheric fluctuations with the Murchison Widefield Array. Radio Science, 2015, 50, 574-597.	1.6	30
138	Understanding instrumental Stokes leakage in Murchison Widefield Array polarimetry. Radio Science, 2015, 50, 52-65.	1.6	64
139	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, .	4.7	99
140	THE IMPACT OF THE IONOSPHERE ON GROUND-BASED DETECTION OF THE GLOBAL EPOCH OF REIONIZATION SIGNAL. Astrophysical Journal, 2015, 813, 18.	4.5	24
141	THE EFFECT OF INTERPLANETARY SCINTILLATION ON EPOCH OF REIONIZATION POWER SPECTRA. Astrophysical Journal, 2015, 814, 27.	4.5	6
142	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.	4.5	12
143	BROADBAND SPECTRAL MODELING OF THE EXTREME GIGAHERTZ-PEAKED SPECTRUM RADIO SOURCE PKS B0008-421. Astrophysical Journal, 2015, 809, 168.	4.5	65
144	A SEARCH FOR FAST RADIO BURSTS AT LOW FREQUENCIES WITH MURCHISON WIDEFIELD ARRAY HIGH TIME RESOLUTION IMAGING. Astronomical Journal, 2015, 150, 199.	4.7	45

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145	A DEEP SEARCH FOR PROMPT RADIO EMISSION FROM THE SHORT GRB 150424A WITH THE MURCHISON WIDEFIELD ARRAY. Astrophysical Journal Letters, 2015, 814, L25.	8.3	37
146	Waves in the sky: Probing the ionosphere with the Murchison Widefield Array. , 2015, , .		0
147	A high-resolution wide-field radio survey of M51. Monthly Notices of the Royal Astronomical Society, 2015, 452, 32-53.	4.4	18
148	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.	4.4	12
149	Quantifying ionospheric effects on time-domain astrophysics with the Murchison Widefield Array. Monthly Notices of the Royal Astronomical Society, 2015, 453, 2732-2747.	4.4	24
150	Realâ€time imaging of density ducts between the plasmasphere and ionosphere. Geophysical Research Letters, 2015, 42, 3707-3714.	4.0	61
151	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.	1.6	42
152	An overviewof the SKA project: Why take on this signal processing challenge?. , 2015, , .		3
153	Characterization of a Low-Frequency Radio Astronomy Prototype Array in Western Australia. IEEE Transactions on Antennas and Propagation, 2015, 63, 5433-5442.	5.1	57
154	A digital-receiver for the MurchisonWidefield Array. Experimental Astronomy, 2015, 39, 73-93.	3.7	17
155	THE SPECTRAL VARIABILITY OF THE GHZ-PEAKED SPECTRUM RADIO SOURCE PKS 1718-649 AND A COMPARISON OF ABSORPTION MODELS. Astronomical Journal, 2015, 149, 74.	4.7	36
156	The multifrequency parsec-scale structure of PKS 2254â^'367 (IC 1459): a luminosity-dependent break in morphology for the precursors of radio galaxies?. Monthly Notices of the Royal Astronomical Society, 2015, 448, 252-257.	4.4	18
157	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.	4.4	31
158	CONFIRMATION OF WIDE-FIELD SIGNATURES IN REDSHIFTED 21 cm POWER SPECTRA. Astrophysical Journal Letters, 2015, 807, L28.	8.3	73
159	The Murchison Widefield Array Correlator. Publications of the Astronomical Society of Australia, 2015, 32, .	3.4	39
160	The High Time and Frequency Resolution Capabilities of the Murchison Widefield Array. Publications of the Astronomical Society of Australia, 2015, 32, .	3.4	44
161	The Low-Frequency Environment of the Murchison Widefield Array: Radio-Frequency Interference Analysis and Mitigation. Publications of the Astronomical Society of Australia, 2015, 32, .	3.4	107
162	BIGHORNS - Broadband Instrument for Global HydrOgen ReioNisation Signal. Publications of the Astronomical Society of Australia, 2015, 32, .	3.4	101

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