

Rachel L Webster

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4945246/publications.pdf>

Version: 2024-02-01

252
papers

13,282
citations

23567

58
h-index

25787

108
g-index

257
all docs

257
docs citations

257
times ranked

6419
citing authors

#	ARTICLE	IF	CITATIONS
1	The Murchison Widefield Array: The Square Kilometre Array Precursor at Low Radio Frequencies. Publications of the Astronomical Society of Australia, 2013, 30, .	3.4	892
2	wsclean: an implementation of a fast, generic wide-field imager for radio astronomy. Monthly Notices of the Royal Astronomical Society, 2014, 444, 606-619.	4.4	562
3	The H I Parkes All Sky Survey: southern observations, calibration and robust imaging. Monthly Notices of the Royal Astronomical Society, 2001, 322, 486-498.	4.4	486
4	The HIPASS catalogue - I. Data presentation. Monthly Notices of the Royal Astronomical Society, 2004, 350, 1195-1209.	4.4	467
5	The 1000 Brightest HIPASS Galaxies: HiProperties. Astronomical Journal, 2004, 128, 16-46.	4.7	405
6	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
7	The Parkes 21 cm Multibeam Receiver. Publications of the Astronomical Society of Australia, 1996, 13, 243-248.	3.4	365
8	The HIPASS catalogue: ÆH I and environmental effects on the H I mass function of galaxies. Monthly Notices of the Royal Astronomical Society: Letters, 2005, 359, L30-L34.	3.3	341
9	The Murchison Widefield Array: Design Overview. Proceedings of the IEEE, 2009, 97, 1497-1506.	21.3	311
10	Science with the Murchison Widefield Array. Publications of the Astronomical Society of Australia, 2013, 30, .	3.4	260
11	GLEAM: The Galactic and Extragalactic All-Sky MWA Survey. Publications of the Astronomical Society of Australia, 2015, 32, .	3.4	221
12	Photometric variations in the Q2237 + 0305 system - First detection of a microlensing event. Astronomical Journal, 1989, 98, 1989.	4.7	220
13	EVIDENCE FOR A NONUNIFORM INITIAL MASS FUNCTION IN THE LOCAL UNIVERSE. Astrophysical Journal, 2009, 695, 765-780.	4.5	218
14	Tidal disruption of the Magellanic Clouds by the Milky Way. Nature, 1998, 394, 752-754.	27.8	216
15	Evidence for a large undetected population of dust-reddened quasars. Nature, 1995, 375, 469-471.	27.8	208
16	The 1000 Brightest HIPASS Galaxies: The HiMass Function and Hi. Astronomical Journal, 2003, 125, 2842-2858.	4.7	173
17	The HIPASS catalogue â€” III. Optical counterparts and isolated dark galaxies. Monthly Notices of the Royal Astronomical Society, 2005, 361, 34-44.	4.4	172
18	The Survey for Ionization in Neutral Gas Galaxies. I. Description and Initial Results. Astrophysical Journal, Supplement Series, 2006, 165, 307-337.	7.7	170

#	ARTICLE	IF	CITATIONS
19	HIPASS High-Velocity Clouds: Properties of the Compact and Extended Populations. <i>Astronomical Journal</i> , 2002, 123, 873-891.	4.7	163
20	Overcoming real-world obstacles in 21 cm power spectrum estimation: A method demonstration and results from early Murchison Widefield Array data. <i>Physical Review D</i> , 2014, 89, .	4.7	151
21	The Northern HIPASS catalogue - data presentation, completeness and reliability measures. <i>Monthly Notices of the Royal Astronomical Society</i> , 2006, 371, 1855-1864.	4.4	147
22	FIRST SEASON MWA EOR POWER SPECTRUM RESULTS AT REDSHIFT 7. <i>Astrophysical Journal</i> , 2016, 833, 102.	4.5	147
23	The Parkes half-jansky flat-spectrum sample. <i>Monthly Notices of the Royal Astronomical Society</i> , 1997, 284, 85-125.	4.4	141
24	The Phase II Murchison Widefield Array: Design overview. <i>Publications of the Astronomical Society of Australia</i> , 2018, 35, .	3.4	140
25	The Survey for Ionization in Neutral Gas Galaxies. III. Diffuse, Warm Ionized Medium and Escape of Ionizing Radiation. <i>Astrophysical Journal</i> , 2007, 661, 801-814.	4.5	139
26	Deep multiredshift limits on Epoch of Reionization 21 \hat{A} cm power spectra from four seasons of Murchison Widefield Array observations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 493, 4711-4727.	4.4	129
27	A STUDY OF FUNDAMENTAL LIMITATIONS TO STATISTICAL DETECTION OF REDSHIFTED H I FROM THE EPOCH OF REIONIZATION. <i>Astrophysical Journal</i> , 2013, 776, 6.	4.5	123
28	FOREGROUNDS IN WIDE-FIELD REDSHIFTED 21 cm POWER SPECTRA. <i>Astrophysical Journal</i> , 2015, 804, 14.	4.5	122
29	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, .	3.4	107
30	Empirical covariance modeling for 21 \hat{A} cm power spectrum estimation: A method demonstration and new limits from early Murchison Widefield Array 128-tile data. <i>Physical Review D</i> , 2015, 91, .	4.7	99
31	CHIPS: THE COSMOLOGICAL H i POWER SPECTRUM ESTIMATOR. <i>Astrophysical Journal</i> , 2016, 818, 139.	4.5	98
32	Initial light curve of Q2237 + 0305. <i>Astronomical Journal</i> , 1991, 102, 34.	4.7	96
33	Improving the Epoch of Reionization Power Spectrum Results from Murchison Widefield Array Season 1 Observations. <i>Astrophysical Journal</i> , 2019, 884, 1.	4.5	92
34	The HIPASS catalogue - II. Completeness, reliability and parameter accuracy. <i>Monthly Notices of the Royal Astronomical Society</i> , 2004, 350, 1210-1219.	4.4	91
35	A 189 MHz, 2400 deg ² POLARIZATION SURVEY WITH THE MURCHISON WIDEFIELD ARRAY 32-ELEMENT PROTOTYPE. <i>Astrophysical Journal</i> , 2013, 771, 105.	4.5	79
36	First limits on the 21 \hat{A} cm power spectrum during the Epoch of X-ray heating. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 460, 4320-4347.	4.4	79

#	ARTICLE	IF	CITATIONS
37	The multiple quasar Q2237+0305 under a microlensing caustic. <i>Astronomy and Astrophysics</i> , 2008, 480, 327-334.	5.1	78
38	Weighing a galaxy bar in the lens Q2237 + 0305. <i>Monthly Notices of the Royal Astronomical Society</i> , 1998, 295, 488-496.	4.4	76
39	FAST HOLOGRAPHIC DECONVOLUTION: A NEW TECHNIQUE FOR PRECISION RADIO INTERFEROMETRY. <i>Astrophysical Journal</i> , 2012, 759, 17.	4.5	76
40	Binary quasars. <i>Monthly Notices of the Royal Astronomical Society</i> , 1999, 309, 836-846.	4.4	74
41	Intergalactic HiiRegions Discovered in SINGG. <i>Astronomical Journal</i> , 2004, 127, 1431-1440.	4.7	74
42	A microlensing study of the accretion disc in the quasar MG 0414+0534. <i>Monthly Notices of the Royal Astronomical Society</i> , 2008, 391, 1955-1960.	4.4	74
43	CONFIRMATION OF WIDE-FIELD SIGNATURES IN REDSHIFTED 21 cm POWER SPECTRA. <i>Astrophysical Journal Letters</i> , 2015, 807, L28.	8.3	73
44	A Very Radio Loud Narrow-Line Seyfert 1: PKS 2004-447. <i>Astrophysical Journal</i> , 2001, 558, 578-582.	4.5	72
45	New Galaxies Discovered in the First Blind HiSurvey of the Centaurus A Group. <i>Astrophysical Journal</i> , 1999, 524, 612-622.	4.5	71
46	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.	4.4	70
47	First Season MWA Phase II Epoch of Reionization Power Spectrum Results at Redshift 7. <i>Astrophysical Journal</i> , 2019, 887, 141.	4.5	69
48	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.	4.4	68
49	THE MURCHISON WIDEFIELD ARRAY 21 cm POWER SPECTRUM ANALYSIS METHODOLOGY. <i>Astrophysical Journal</i> , 2016, 825, 114.	4.5	67
50	Black Hole Mass Estimates of Radio-selected Quasars. <i>Astrophysical Journal</i> , 2002, 576, 81-88.	4.5	66
51	BROADBAND SPECTRAL MODELING OF THE EXTREME GIGAHERTZ-PEAKED SPECTRUM RADIO SOURCE PKS B0008-421. <i>Astrophysical Journal</i> , 2015, 809, 168.	4.5	65
52	THE IMPORTANCE OF WIDE-FIELD FOREGROUND REMOVAL FOR 21 cm COSMOLOGY: A DEMONSTRATION WITH EARLY MWA EPOCH OF REIONIZATION OBSERVATIONS. <i>Astrophysical Journal</i> , 2016, 819, 8.	4.5	65
53	Detection of statistical gravitational lensing by foreground mass distributions. <i>Nature</i> , 1988, 336, 358-359.	27.8	63
54	The Survey for Ionization in Neutral Gas Galaxies. II. The Star Formation Rate Density of the Local Universe. <i>Astrophysical Journal</i> , 2006, 649, 150-162.	4.5	63

#	ARTICLE	IF	CITATIONS
55	The EoR sensitivity of the Murchison Widefield Array. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2013, 429, L5-L9.	3.3	62
56	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, .	3.4	62
57	Real-time imaging of density ducts between the plasmasphere and ionosphere. <i>Geophysical Research Letters</i> , 2015, 42, 3707-3714.	4.0	61
58	The accretion disc in the quasar SDSS J0924+0219. <i>Monthly Notices of the Royal Astronomical Society</i> , 2009, 398, 233-239.	4.4	60
59	The Optical/Near-IR Colours of Red Quasars. <i>Publications of the Astronomical Society of Australia</i> , 2000, 17, 56-71.	3.4	59
60	LOW-FREQUENCY OBSERVATIONS OF LINEARLY POLARIZED STRUCTURES IN THE INTERSTELLAR MEDIUM NEAR THE SOUTH GALACTIC POLE. <i>Astrophysical Journal</i> , 2016, 830, 38.	4.5	58
61	The column density distribution function at $z = 0$ from H I selected galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2003, 343, 1195-1206.	4.4	57
62	The clustering of colour-selected galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2000, 317, 782-794.	4.4	54
63	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.	4.4	54
64	HIPASS Detection of an Intergalactic Gas Cloud in the NGC 2442 Group. <i>Astrophysical Journal</i> , 2001, 555, 232-239.	4.5	52
65	A gravitational microlensing determination of continuum source size in Q2237+0305. <i>Monthly Notices of the Royal Astronomical Society</i> , 2000, 315, 62-68.	4.4	50
66	Dissecting a galaxy: mass distribution of 2237+0305. <i>Monthly Notices of the Royal Astronomical Society</i> , 2002, 334, 621-630.	4.4	50
67	Tully-Fisher relations from an $H\alpha$ -selected sample. <i>Monthly Notices of the Royal Astronomical Society</i> , 2008, 391, 1712-1728.	4.4	49
68	The 154 MHz radio sky observed by the Murchison Widefield Array: noise, confusion, and first source count analyses. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 459, 3314-3325.	4.4	47
69	A measurement of the transverse velocity of Q2237+0305. <i>Monthly Notices of the Royal Astronomical Society</i> , 1999, 309, 261-272.	4.4	46
70	On Star Formation and the Nonexistence of Dark Galaxies. <i>Astrophysical Journal</i> , 2005, 634, 1067-1084.	4.5	46
71	Evidence for an intermediate-mass black hole from a gravitationally lensed gamma-ray burst. <i>Nature Astronomy</i> , 2021, 5, 560-568.	10.1	46
72	A small source in Q2237+0305?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2000, 318, 762-768.	4.4	45

#	ARTICLE	IF	CITATIONS
73	Field Deployment of Prototype Antenna Tiles for the Mileura Widefield Array Low Frequency Demonstrator. <i>Astronomical Journal</i> , 2007, 133, 1505-1518.	4.7	45
74	The Weak Clustering of Gas-rich Galaxies. <i>Astrophysical Journal</i> , 2007, 654, 702-713.	4.5	45
75	Interferometric Imaging with the 32 Element Murchison Wide-Field Array. <i>Publications of the Astronomical Society of the Pacific</i> , 2010, 122, 1353-1366.	3.1	45
76	A SEARCH FOR FAST RADIO BURSTS AT LOW FREQUENCIES WITH MURCHISON WIDEFIELD ARRAY HIGH TIME RESOLUTION IMAGING. <i>Astronomical Journal</i> , 2015, 150, 199.	4.7	45
77	The High Time and Frequency Resolution Capabilities of the Murchison Widefield Array. <i>Publications of the Astronomical Society of Australia</i> , 2015, 32, .	3.4	44
78	Limits on the microlens mass function of Q2237+0305. <i>Monthly Notices of the Royal Astronomical Society</i> , 2000, 315, 51-61.	4.4	43
79	A microlensing measurement of the size of the broad emission-line region in the lensed quasar QSO 2237+0305. <i>Monthly Notices of the Royal Astronomical Society</i> , 2005, 359, 561-566.	4.4	43
80	Red synchrotron jets in Parkes quasars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2001, 323, 718-732.	4.4	42
81	Measuring phased-array antenna beam patterns with high dynamic range for the Murchison Widefield Array using 137 MHz ORBCOMM satellites. <i>Radio Science</i> , 2015, 50, 614-629.	1.6	42
82	Exploring reionization and high- z galaxy observables with recent multiredshift MWA upper limits on the 21-cm signal. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 500, 5322-5335.	4.4	42
83	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.	4.4	41
84	Comparing Redundant and Sky-model-based Interferometric Calibration: A First Look with Phase II of the MWA. <i>Astrophysical Journal</i> , 2018, 863, 170.	4.5	41
85	An Extragalactic H [CSC]i/[CSC] Cloud with No Optical Counterpart?. <i>Astronomical Journal</i> , 2000, 120, 1342-1350.	4.7	41
86	A MICROLENSING MEASUREMENT OF DARK MATTER FRACTIONS IN THREE LENSING GALAXIES. <i>Astrophysical Journal</i> , 2011, 731, 71.	4.5	39
87	Limits on low-frequency radio emission from southern exoplanets with the Murchison Widefield Array. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 446, 2560-2565.	4.4	39
88	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.	4.4	39
89	The Murchison Widefield Array Correlator. <i>Publications of the Astronomical Society of Australia</i> , 2015, 32, .	3.4	39
90	The Hubble Space Telescope Survey of BL Lacertae Objects: Gravitational Lens Candidates and Other Unusual Sources. <i>Astrophysical Journal</i> , 1999, 521, 134-144.	4.5	38

#	ARTICLE	IF	CITATIONS
91	FIRST SPECTROSCOPIC IMAGING OBSERVATIONS OF THE SUN AT LOW RADIO FREQUENCIES WITH THE MURCHISON WIDEFIELD ARRAY PROTOTYPE. <i>Astrophysical Journal Letters</i> , 2011, 728, L27.	8.3	38
92	Low Altitude Solar Magnetic Reconnection, Type III Solar Radio Bursts, and X-ray Emissions. <i>Scientific Reports</i> , 2018, 8, 1676.	3.3	38
93	A Catalog of H [CSC]i[/CSC]â€™selected Galaxies from the South Celestial Cap Region of Sky. <i>Astronomical Journal</i> , 2002, 124, 690-705.	4.7	37
94	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.	4.7	36
95	X-ray properties of the Parkes sample of flat-spectrum radio sources: dust in radio-loud quasars?. <i>Monthly Notices of the Royal Astronomical Society</i> , 1998, 301, 261-279.	4.4	35
96	The large-scale distribution of neutral hydrogen in the Fornax region. <i>Monthly Notices of the Royal Astronomical Society</i> , 2002, 337, 641-656.	4.4	35
97	Time-domain and spectral properties of pulsars at 154ÂMHz. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 461, 908-921.	4.4	35
98	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.	4.7	34
99	Investigating the geometry of quasars with microlensing. <i>Monthly Notices of the Royal Astronomical Society</i> , 1999, 302, 68-74.	4.4	32
100	Stars and dark matter in the spiral gravitational lens 2237+0305. <i>Monthly Notices of the Royal Astronomical Society</i> , 2010, 401, 1540-1551.	4.4	31
101	LOW-FREQUENCY OBSERVATIONS OF THE MOON WITH THE MURCHISON WIDEFIELD ARRAY. <i>Astronomical Journal</i> , 2013, 145, 23.	4.7	31
102	Serendipitous discovery of a dying Giant Radio Galaxy associated with NGCÂ1534, using the Murchison Widefield Array. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 447, 2468-2478.	4.4	31
103	High-energy sources at low radio frequency: the Murchison Widefield Array view of<i>Fermi</i>blazars. <i>Astronomy and Astrophysics</i> , 2016, 588, A141.	5.1	31
104	PUMA: The Positional Update and Matching Algorithm. <i>Publications of the Astronomical Society of Australia</i> , 2017, 34, .	3.4	31
105	Power spectrum analysis of ionospheric fluctuations with the Murchison Widefield Array. <i>Radio Science</i> , 2015, 50, 574-597.	1.6	30
106	A new wide-separation gravitational lens candidate. <i>Astrophysical Journal</i> , 1989, 346, L61.	4.5	30
107	The close-separation gravitational lens candidate Q1009-0252. <i>Astronomical Journal</i> , 1994, 108, 1534.	4.7	29
108	The central velocity dispersion of the lensing galaxy in the quadruple lens system Q2237 + 0305. <i>Astrophysical Journal</i> , 1992, 386, L43.	4.5	29

#	ARTICLE	IF	CITATIONS
109	The distribution of microlensed light-curve derivatives: the relationship between stellar proper motions and transverse velocity. <i>Monthly Notices of the Royal Astronomical Society</i> , 2000, 312, 843-852.	4.4	28
110	Using gamma-ray bursts to detect a cosmological density of compact objects. <i>Astrophysical Journal</i> , 1992, 391, L63.	4.5	28
111	The 1000 Brightest HIPASS Galaxies: Newly Cataloged Galaxies. <i>Astronomical Journal</i> , 2002, 124, 1954-1974.	4.7	27
112	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.	4.4	27
113	Interpreting the light curve of Q2237 + 0305. <i>Astronomical Journal</i> , 1991, 102, 1939.	4.7	27
114	Occultations by Kuiper belt objects. <i>Monthly Notices of the Royal Astronomical Society</i> , 1997, 289, 783-786.	4.4	26
115	LENSVIEW: software for modelling resolved gravitational lens images. <i>Monthly Notices of the Royal Astronomical Society</i> , 2006, 372, 1187-1207.	4.4	26
116	Wavelet-based Characterization of Small-scale Solar Emission Features at Low Radio Frequencies. <i>Astrophysical Journal</i> , 2017, 843, 19.	4.5	26
117	H ₁ Mass Function from HIPASS. <i>Publications of the Astronomical Society of Australia</i> , 1999, 16, 8-11.	3.4	25
118	The statistics of wide-separation lensed quasars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2002, 319, 872-878.	4.4	25
119	Multi-object spectroscopy of the field surrounding PKS 2126-158: discovery of a z = 0.66 galaxy group. <i>Monthly Notices of the Royal Astronomical Society</i> , 2006, 368, 341-350.	4.4	25
120	LOW-FREQUENCY IMAGING OF FIELDS AT HIGH GALACTIC LATITUDE WITH THE MURCHISON WIDEFIELD ARRAY 32 ELEMENT PROTOTYPE. <i>Astrophysical Journal</i> , 2012, 755, 47.	4.5	25
121	A new MWA limit on the 21 cm power spectrum at redshifts $z \sim 1.3 - 1.7$. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 505, 4775-4790.	4.4	25
122	The Evolution of Radio Galaxies at Intermediate Redshift. <i>Astronomical Journal</i> , 2001, 121, 2381-2391.	4.7	24
123	Detection of Crab Giant Pulses Using the Mileura Widefield Array Low Frequency Demonstrator Field Prototype System. <i>Astrophysical Journal</i> , 2007, 665, 618-627.	4.5	24
124	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.	4.4	24
125	<i>In situ</i> measurement of MWA primary beam variation using <i>ORBCOMM</i> . <i>Publications of the Astronomical Society of Australia</i> , 2018, 35, .	3.4	24
126	NGC 922 - a new drop-through ring galaxy.... <i>Monthly Notices of the Royal Astronomical Society</i> , 2006, 370, 1607-1611.	4.4	23

#	ARTICLE	IF	CITATIONS
127	Spectral Energy Distribution and Radio Halo of NGC 253 at Low Radio Frequencies. <i>Astrophysical Journal</i> , 2017, 838, 68.	4.5	23
128	Detectability of the 21-cm signal during the epoch of reionization with 21-cm Lyman $\hat{\pm}$ emitter cross-correlation $\hat{\epsilon}$ l. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 479, 2754-2766.	4.4	22
129	The ray-bundle method for calculating weak magnification by gravitational lenses. <i>Monthly Notices of the Royal Astronomical Society</i> , 1999, 306, 567-574.	4.4	21
130	Smooth matter and source size in microlensing simulations of gravitationally lensed quasars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2007, 381, 1591-1596.	4.4	21
131	Differential microlensing measurements of quasar broad-line kinematics in Q2237+0305. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 415, 1985-1998.	4.4	21
132	A multifrequency radio continuum study of the Magellanic Clouds $\hat{\epsilon}$ l. Overall structure and star formation rates. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 480, 2743-2756.	4.4	21
133	Application of the contouring method to extended microlensed sources. <i>Monthly Notices of the Royal Astronomical Society</i> , 1999, 306, 223-231.	4.4	20
134	A study of neutral hydrogen in five small galaxy groups. <i>Monthly Notices of the Royal Astronomical Society</i> , 2001, 324, 859-876.	4.4	20
135	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.	4.4	20
136	Measuring the global 21-cm signal with the MWA-I: improved measurements of the Galactic synchrotron background using lunar occultation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 481, 5034-5045.	4.4	20
137	Is there evidence for universal rotation?. <i>Nature</i> , 1983, 301, 735-736.	27.8	19
138	The giant lobes of Centaurus A observed at 118 $\hat{\epsilon}$ %MHz with the Murchison Widefield Array. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 436, 1286-1301.	4.4	19
139	MURCHISON WIDEFIELD ARRAY OBSERVATIONS OF ANOMALOUS VARIABILITY: A SERENDIPITOUS NIGHT-TIME DETECTION OF INTERPLANETARY SCINTILLATION. <i>Astrophysical Journal Letters</i> , 2015, 809, L12.	8.3	19
140	Gridded and direct Epoch of Reionisation bispectrum estimates using the Murchison Widefield Array. <i>Publications of the Astronomical Society of Australia</i> , 2019, 36, .	3.4	19
141	The Spectra of Red Quasars. <i>Publications of the Astronomical Society of Australia</i> , 2001, 18, 221-231.	3.4	18
142	NEW CONSTRAINTS ON THE QUASAR BROAD EMISSION LINE REGION. <i>Astrophysical Journal</i> , 2012, 754, 18.	4.5	18
143	Black Hole Mass Estimation: How Good is the Virial Estimate?. <i>Publications of the Astronomical Society of Australia</i> , 2016, 33, .	3.4	18
144	HST imaging of four gravitationally lensed quasars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 479, 4796-4814.	4.4	18

#	ARTICLE	IF	CITATIONS
163	Direct shear mapping â€“ a new weak lensing tool. Monthly Notices of the Royal Astronomical Society, 2015, 451, 2161-2173.	4.4	13
164	Host galaxy contribution to the colours of 'red' quasars. Monthly Notices of the Royal Astronomical Society, 1998, 301, 975-984.	4.4	12
165	Imaging H I in the lensing galaxy 2237+0305. Monthly Notices of the Royal Astronomical Society, 1999, 309, 641-650.	4.4	12
166	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
167	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
168	The Kinematics of Quasar Broad Emission Line Regions Using a Disk-Wind Model. Publications of the Astronomical Society of Australia, 2017, 34, .	3.4	12
169	Changing look active galactic nuclei in the MaNGA survey. Monthly Notices of the Royal Astronomical Society, 2020, 497, 192-203.	4.4	12
170	Quasar - galaxy associations. Monthly Notices of the Royal Astronomical Society, 1995, 273, 1069-1090.	4.4	11
171	Using galaxy redshift surveys to detect gravitationally lensed quasars. Monthly Notices of the Royal Astronomical Society, 2002, 319, 879-892.	4.4	11
172	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
173	The neutral hydrogen properties of galaxies in gas-rich groups. Monthly Notices of the Royal Astronomical Society, 2019, 483, 5409-5425.	4.4	11
174	Modelling and peeling extended sources with shapelets: A Fornax A case study. Publications of the Astronomical Society of Australia, 2020, 37, .	3.4	11
175	Gravitational lensing and evolution in quasar absorption systems. Astrophysical Journal, 1990, 349, 437.	4.5	11
176	STUDY OF REDSHIFTED H I FROM THE EPOCH OF REIONIZATION WITH DRIFT SCAN. Astrophysical Journal, 2014, 793, 28.	4.5	10
177	Near-identical star formation rate densities from HÎ± and FUVat redshift zero. Monthly Notices of the Royal Astronomical Society, 2018, 480, 119-133.	4.4	10
178	Red Parkes Quasars: Evidence for Soft Xâ€™Ray Absorption. Astrophysical Journal, 1999, 510, 703-709.	4.5	9
179	Choirs, Hâ€™i galaxy groups: catalogue and detection of star-forming dwarf group members. Monthly Notices of the Royal Astronomical Society, 2013, 433, 543-559.	4.4	9
180	The fundamental manifold of spiral galaxies: ordered versus random motions and the morphology dependence of the Tullyâ€™Fisher relation. Monthly Notices of the Royal Astronomical Society, 2014, 438, 3332-3339.	4.4	9

#	ARTICLE	IF	CITATIONS
181	A Matched Filter Technique for Slow Radio Transient Detection and First Demonstration with the Murchison Widefield Array. <i>Astronomical Journal</i> , 2017, 153, 98.	4.7	9
182	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> , 0, , .	4.4	9
183	Using the Properties of Broad Absorption Line Quasars to Illuminate Quasar Structure. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 479, 4153-4171.	4.4	9
184	Dual polarization measurements of MWA beampatterns at 137 MHz. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 502, 1990-2004.	4.4	9
185	Predicting caustic-crossing high-magnification events in Q2237+0305. <i>Monthly Notices of the Royal Astronomical Society</i> , 2000, 318, 1105-1119.	4.4	8
186	Using the 2 degree Field galaxy redshift survey to detect gravitationally lensed quasars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2001, 321, 629-641.	4.4	8
187	The radio spectral energy distribution of infrared-faint radio sources. <i>Astronomy and Astrophysics</i> , 2016, 593, A130.	5.1	8
188	The impact of tandem redundant/sky-based calibration in MWA Phase II data analysis. <i>Publications of the Astronomical Society of Australia</i> , 2020, 37, .	3.4	8
189	The rate of caustic crossing microlensing events for Q2237+0305. <i>Monthly Notices of the Royal Astronomical Society</i> , 2000, 315, 337-344.	4.4	7
190	Investigating cosmological weak lensing with the ray-bundle method. <i>Monthly Notices of the Royal Astronomical Society</i> , 2002, 331, 180-196.	4.4	7
191	KOALA: a wide-field 1000 element integral-field unit for the Anglo-Australian Telescope. <i>Proceedings of SPIE</i> , 2012, , .	0.8	7
192	Stacked reverberation mapping. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2013, 434, L16-L20.	3.3	7
193	Determining Quasar Orientation. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , .	4.4	7
194	On the nature of MG II absorption line systems in quasars. <i>Astronomical Journal</i> , 1993, 106, 848.	4.7	7
195	A Search for Distant Satellites of Neptune. <i>Publications of the Astronomical Society of Australia</i> , 1998, 15, 325-327.	3.4	6
196	Gravitational lensing by elliptical galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2002, 319, 860-871.	4.4	6
197	The Optical Emission from Gamma-Ray Quasars. <i>Publications of the Astronomical Society of Australia</i> , 2003, 20, 196-202.	3.4	5
198	Memory on multiple time-scales in an Abelian sandpile. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2015, 428, 295-301.	2.6	5

#	ARTICLE	IF	CITATIONS
199	Associations between Galaxies and Bright Quasars. Publications of the Astronomical Society of Australia, 1992, 10, 8-11.	3.4	4
200	A Photographic Search for Satellites of Uranus. Icarus, 1993, 102, 298-306.	2.5	4
201	Dust Obscuration in the Universe. Publications of the Astronomical Society of Australia, 1995, 12, 146-152.	3.4	4
202	Cosmological obscuration by galactic dust: effects of dust evolution. Monthly Notices of the Royal Astronomical Society, 1999, 305, 937-945.	4.4	4
203	Robust statistics towards detection of the 21 $\hat{\text{A}}$ cm signal from the Epoch of Reionization. Monthly Notices of the Royal Astronomical Society, 2019, 486, 5766-5784.	4.4	4
204	A Photographic Search for Satellites of Neptune. Icarus, 1994, 107, 304-310.	2.5	3
205	A Search for Bright Kuiper Belt Objects. Publications of the Astronomical Society of Australia, 1998, 15, 176-178.	3.4	3
206	Near Infrared Micro-variability of Radio-loud Quasars. Publications of the Astronomical Society of Australia, 2002, 19, 222-227.	3.4	3
207	Direct Shear Mapping: Prospects for Weak Lensing Studies of Individual Galaxyâ€™Galaxy Lensing Systems. Publications of the Astronomical Society of Australia, 2015, 32, .	3.4	3
208	Constraining the 21 $\hat{\text{A}}$ %cm brightness temperature of the IGM at $\langle i \rangle z \langle /i \rangle = 6.6$ around LAEs with the Murchison widefield array. Monthly Notices of the Royal Astronomical Society, 2021, 507, 772-780.	4.4	3
209	Preliminary Radio Continuum Maps of Three Spiral Galaxies. Publications of the Astronomical Society of Australia, 1996, 13, 107-120.	3.4	2
210	Dust-reddened Quasars. Publications of the Astronomical Society of Australia, 1996, 13, 183-184.	3.4	2
211	Discovery of Intergalactic H II Regions. Symposium - International Astronomical Union, 2004, 217, 492-497.	0.1	2
212	H1517+656: The Birth of a BL Lacertae Object?. Astrophysical Journal, 2005, 627, 125-133.	4.5	2
213	Observing the Sun with the Murchison Widefield Array. , 2014, , .		2
214	Wide Separation Lenses. , 1996, , 71-72.		2
215	Cosmology: Views with a gravitational lens. Nature, 1986, 324, 617-618.	27.8	1
216	The Spectra of Dusty Quasars. International Astronomical Union Colloquium, 1997, 159, 130-133.	0.1	1

#	ARTICLE	IF	CITATIONS
217	Recycling of Ghost Galaxies: the Origin of giant HI Ring around NGC 1533. Symposium - International Astronomical Union, 2004, 217, 418-419.	0.1	1
218	Einstein Ring Constraints on the Shapes of Dark Matter Haloes. Proceedings of the International Astronomical Union, 2004, 2004, 237-242.	0.0	1
219	Evolution of damped Lyman α kinematics and the effect of spatial resolution on 21-cm measurements. Monthly Notices of the Royal Astronomical Society: Letters, 2005, 364, L51-L55.	3.3	1
220	Near infrared hydrogen emission line ratios as diagnostics of the broad emission line region. Journal of Physics: Conference Series, 2012, 372, 012069.	0.4	1
221	The intrinsic far-UV spectrum of the high-redshift quasar B1422+231. Monthly Notices of the Royal Astronomical Society, 2018, 473, 4722-4730.	4.4	1
222	Black Hole Mass Estimation: Modelling the Biases. , 2019, , .		1
223	The Parkes Lens Survey. , 1996, , 393-398.		1
224	Gravitational Lensing and Cosmic Strings. Symposium - International Astronomical Union, 1988, 130, 600-600.	0.1	0
225	Substructure in Rich Clusters. Symposium - International Astronomical Union, 1988, 130, 537-537.	0.1	0
226	Quasar lensing by galaxies?. Nature, 1989, 339, 106-106.	27.8	0
227	Are Gamma-Ray Bursts At Cosmological Distances?. Publications of the Astronomical Society of Australia, 1993, 10, 271-274.	3.4	0
228	Wide Separation Lenses. Symposium - International Astronomical Union, 1996, 173, 71-72.	0.1	0
229	The Parkes Lens Survey. Symposium - International Astronomical Union, 1996, 173, 393-398.	0.1	0
230	Radio Continuum Maps of Southern Barred Spiral Galaxies. International Astronomical Union Colloquium, 1996, 157, 239-241.	0.1	0
231	Spectral Properties of Parkes Flat-Spectrum Radio Sources. International Astronomical Union Colloquium, 1997, 159, 437-438.	0.1	0
232	“Red Blazars” Evidence Against A Synchrotron Origin. International Astronomical Union Colloquium, 1997, 163, 764-765.	0.1	0
233	Determining the Properties of Galaxy 2237+0305 using Gravitational Lensing. Symposium - International Astronomical Union, 2004, 220, 109-114.	0.1	0
234	Tully-Fisher Relations from an HI-Selected Sample. Symposium - International Astronomical Union, 2004, 220, 411-412.	0.1	0

#	ARTICLE	IF	CITATIONS
235	Division VIII: Galaxies and the Universe. Proceedings of the International Astronomical Union, 2005, 1, 279-279.	0.0	0
236	Commission 47: Cosmology. Proceedings of the International Astronomical Union, 2005, 1, 291-298.	0.0	0
237	The Local Large-Scale Structure from HIPASS. Symposium - International Astronomical Union, 2005, 216, 196-202.	0.1	0
238	Gravitational Lensing by Elliptical Galaxies. Symposium - International Astronomical Union, 2005, 201, 490-491.	0.1	0
239	The Northern HIPASS Optical/IR Catalogue (NOIRCAT). Proceedings of the International Astronomical Union, 2007, 3, 391-392.	0.0	0
240	Calibration for the HIPASS Continuum Catalogue. Radio Science, 2011, 46, n/a-n/a.	1.6	0
241	First look Murchison Widefield Array observations of Abell 3667. , 2014, , .		0
242	Waves in the sky: Probing the ionosphere with the Murchison Widefield Array. , 2015, , .		0
243	Results from the MWA EoR Experiment. Proceedings of the International Astronomical Union, 2017, 12, 77-82.	0.0	0
244	The Hipass Catalogue. Astrophysics and Space Science Library, 2003, , 21-26.	2.7	0
245	GRAVITATIONAL LENSING: COSMOLOGICAL MEASURES. , 2005, , .		0
246	Near-Infrared Properties of NOIRCAT. Thirty Years of Astronomical Discovery With UKIRT, 2008, , 347-348.	0.3	0
247	Imaging with a Gravitational Lens. , 1994, , 451-456.		0
248	The Sizes of MgII Absorption Systems. Globular Clusters - Guides To Galaxies, 1995, , 165-168.	0.1	0
249	Dust and the Search for High Redshift Quasars. Globular Clusters - Guides To Galaxies, 1997, , 341-348.	0.1	0
250	Gravitational Lensing in the 2dF Galaxy Redshift Survey. Globular Clusters - Guides To Galaxies, 1999, , 68-69.	0.1	0
251	Near-infrared Hydrogen and Helium QSO Emission Lines. Astronomical Journal, 2019, 158, 129.	4.7	0
252	Quasar-galaxy associations. , 1990, , 73-82.		0