

C R Lynch

List of Publications by Year in descending order

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Version: 2024-02-01

37
papers

5,169
citations

318942

23
h-index

371746

37
g-index

37
all docs

37
docs citations

37
times ranked

8897
citing authors

#	ARTICLE	IF	CITATIONS
1	A circular polarization survey for radio stars with the Australian SKA Pathfinder. Monthly Notices of the Royal Astronomical Society, 2021, 502, 5438-5454.	1.6	29
2	A new MWA limit on the 21 $\hat{\text{A}}\text{cm}$ power spectrum at redshifts $\hat{\text{A}}^{\sim}14.13\hat{\text{A}}^{\text{E}}17$. Monthly Notices of the Royal Astronomical Society, 2021, 505, 4775-4790.	1.6	25
3	Constraining the 21 $\hat{\text{A}}\text{cm}$ 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.	1.6	3
4	Simulations of ionospheric refraction on radio interferometric data. Publications of the Astronomical Society of Australia, 2021, 38, .	1.3	3
5	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.	1.6	14
6	A map of diffuse radio emission at 182 $\hat{\text{A}}\text{cm}$ MHz to enhance epoch of reionization observations in the Southern hemisphere. Monthly Notices of the Royal Astronomical Society, 2021, 510, 2011-2024.	1.6	12
7	The MWA long baseline Epoch of reionisation survey $\hat{\text{A}}^{\text{E}}1$. Improved source catalogue for the EoR 0 field. Publications of the Astronomical Society of Australia, 2021, 38, .	1.3	5
8	The impact of tandem redundant/sky-based calibration in MWA Phase II data analysis. Publications of the Astronomical Society of Australia, 2020, 37, .	1.3	8
9	Deep multiredshift limits on Epoch of Reionization 21 $\hat{\text{A}}\text{cm}$ power spectra from four seasons of Murchison Widefield Array observations. Monthly Notices of the Royal Astronomical Society, 2020, 493, 4711-4727.	1.6	129
10	A Flare-type IV Burst Event from Proxima Centauri and Implications for Space Weather. Astrophysical Journal, 2020, 905, 23.	1.6	37
11	ASKAP detection of periodic and elliptically polarized radio pulses from UV Ceti. Monthly Notices of the Royal Astronomical Society, 2019, 488, 559-571.	1.6	31
12	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
13	Robust statistics towards detection of the 21 $\hat{\text{A}}\text{cm}$ signal from the Epoch of Reionization. Monthly Notices of the Royal Astronomical Society, 2019, 486, 5766-5784.	1.6	4
14	A VEvent-based automatic trigger system for the Murchison Widefield Array. Publications of the Astronomical Society of Australia, 2019, 36, .	1.3	7
15	First Season MWA Phase II Epoch of Reionization Power Spectrum Results at Redshift 7. Astrophysical Journal, 2019, 887, 141.	1.6	69
16	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
17	Low-frequency GMRT observations of ultra-cool dwarfs. Monthly Notices of the Royal Astronomical Society, 2019, 483, 614-623.	1.6	7
18	Serendipitous Discovery of PSR J1431-6328 as a Highly Polarized Point Source with the Australian SKA Pathfinder. Astrophysical Journal, 2019, 884, 96.	1.6	14

#	ARTICLE	IF	CITATIONS
19	A mildly relativistic wide-angle outflow in the neutron-star merger event GW170817. <i>Nature</i> , 2018, 554, 207-210.	13.7	283
20	A Turnover in the Radio Light Curve of GW170817. <i>Astrophysical Journal Letters</i> , 2018, 858, L15.	3.0	118
21	An all-sky survey of circular polarization at 200 MHz. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 478, 2835-2849.	1.6	55
22	The detectability of radio emission from exoplanets. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 478, 1763-1775.	1.6	31
23	A search for circularly polarized emission from young exoplanets. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 467, 3447-3453.	1.6	40
24	Illuminating gravitational waves: A concordant picture of photons from a neutron star merger. <i>Science</i> , 2017, 358, 1559-1565.	6.0	559
25	A radio counterpart to a neutron star merger. <i>Science</i> , 2017, 358, 1579-1583.	6.0	390
26	Multi-messenger Observations of a Binary Neutron Star Merger. <i>Astrophysical Journal Letters</i> , 2017, 848, L12.	3.0	2,805
27	The Challenges of Low-Frequency Radio Polarimetry: Lessons from the Murchison Widefield Array. <i>Publications of the Astronomical Society of Australia</i> , 2017, 34, .	1.3	45
28	A search for long-time-scale, low-frequency radio transients. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 466, 1944-1953.	1.6	30
29	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, .	1.3	25
30	154 MHz Detection of Faint, Polarized Flares from UV Ceti. <i>Astrophysical Journal Letters</i> , 2017, 836, L30.	3.0	41
31	Follow Up of GW170817 and Its Electromagnetic Counterpart by Australian-Led Observing Programmes. <i>Publications of the Astronomical Society of Australia</i> , 2017, 34, .	1.3	142
32	Radio emission and mass loss rate limits of four young solar-type stars. <i>Astronomy and Astrophysics</i> , 2017, 599, A127.	2.1	43
33	Radio detections of southern ultracool dwarfs. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 457, 1224-1232.	1.6	29
34	RADIO ASTROMETRY OF THE CLOSE ACTIVE BINARY HR 5110. <i>Astrophysical Journal</i> , 2015, 811, 33.	1.6	4
35	WIDEBAND DYNAMIC RADIO SPECTRA OF TWO ULTRA-COOL DWARFS. <i>Astrophysical Journal</i> , 2015, 802, 106.	1.6	38
36	VERY LARGE ARRAY OBSERVATIONS OF DG TAU'S RADIO JET: A HIGHLY COLLIMATED THERMAL OUTFLOW. <i>Astrophysical Journal</i> , 2013, 766, 53.	1.6	13

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37	CMI growth rates for Saturnian kilometric radiation. <i>Geophysical Research Letters</i> , 2010, 37, .	1.5	33