

Robert Main

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

941
citations

516710

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h-index

610901

24
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docs citations

24
times ranked

1148
citing authors

#	ARTICLE	IF	CITATIONS
1	Radiative efficiency, variability and Bondi accretion on to massive black holes: the transition from radio AGN to quasars in brightest cluster galaxies. Monthly Notices of the Royal Astronomical Society, 2013, 432, 530-553.	4.4	139
2	A 10^{10} SOLAR MASS FLOW OF MOLECULAR GAS IN THE A1835 BRIGHTEST CLUSTER GALAXY. Astrophysical Journal, 2014, 785, 44.	4.5	112
3	The Onset of Thermally Unstable Cooling from the Hot Atmospheres of Giant Galaxies in Clusters: Constraints on Feedback Models. Astrophysical Journal, 2017, 851, 66.	4.5	83
4	MASSIVE MOLECULAR GAS FLOWS IN THE A1664 BRIGHTEST CLUSTER GALAXY. Astrophysical Journal, 2014, 784, 78.	4.5	72
5	ALMA observations of cold molecular gas filaments trailing rising radio bubbles in PKS 0745+191. Monthly Notices of the Royal Astronomical Society, 2016, 458, 3134-3149.	4.4	72
6	Pulsar emission amplified and resolved by plasma lensing in an eclipsing binary. Nature, 2018, 557, 522-525.	27.8	66
7	Cycling of the powerful AGN in MS 0735.6+7421 and the duty cycle of radio AGN in clusters. Monthly Notices of the Royal Astronomical Society, 2014, 442, 3192-3205.	4.4	61
8	MOLECULAR GAS ALONG A BRIGHT $H\alpha$ FILAMENT IN 2A 0335+096 REVEALED BY ALMA. Astrophysical Journal, 2016, 832, 148.	4.5	48
9	A relationship between halo mass, cooling, active galactic nuclei heating and the co-evolution of massive black holes. Monthly Notices of the Royal Astronomical Society, 2017, 464, 4360-4382.	4.4	37
10	Mass Distribution in Galaxy Cluster Cores. Astrophysical Journal, 2017, 837, 51.	4.5	31
11	Measuring interstellar delays of PSR J0613+0200 over 7 Åyr, using the Large European Array for Pulsars. Monthly Notices of the Royal Astronomical Society, 2020, 499, 1468-1479.	4.4	27
12	Mode Changing and Giant Pulses in the Millisecond Pulsar PSR B1957+20. Astrophysical Journal Letters, 2018, 867, L2.	8.3	25
13	Constraining magnetic fields through plasma lensing: application to the Black Widow pulsar. Monthly Notices of the Royal Astronomical Society, 2019, 484, 5723-5733.	4.4	23
14	Descattering of Giant Pulses in PSR B1957+20. Astrophysical Journal Letters, 2017, 840, L15.	8.3	22
15	Scintillation time-scale measurement of the highly active FRB20201124A. Monthly Notices of the Royal Astronomical Society, 2021, 509, 3172-3180.	4.4	20
16	An analysis of the time-frequency structure of several bursts from FRB 202011102 detected with MeerKAT. Monthly Notices of the Royal Astronomical Society, 2021, 505, 3041-3053.	4.4	19
17	Modelling annual scintillation arc variations in PSR J1643+1224 using the Large European Array for Pulsars. Monthly Notices of the Royal Astronomical Society, 2022, 511, 1104-1114.	4.4	16
18	The \hat{I}_ν diagram: transforming pulsar scintillation spectra to coordinates on highly anisotropic interstellar scattering screens. Monthly Notices of the Royal Astronomical Society, 2020, 500, 1114-1124.	4.4	14

#	ARTICLE	IF	CITATIONS
19	Resolving the Emission Regions of the Crab Pulsar's Giant Pulses. <i>Astrophysical Journal</i> , 2021, 915, 65.	4.5	13
20	Interstellar interferometry: precise curvature measurement from pulsar secondary spectra. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 510, 4573-4581.	4.4	13
21	Discovery and modelling of broad-scale plasma lensing in black-widow pulsar J2051-0827. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 506, 2824-2835.	4.4	12
22	Kinematics of Crab Giant Pulses. <i>Astrophysical Journal</i> , 2021, 920, 38.	4.5	11
23	Scintillation of PSR B1508+55 – the view from a 10,000-km baseline. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 506, 5160-5169.	4.4	3
24	Mapping the Emission Location of the Crab Pulsar's Giant Pulses. <i>Proceedings of the International Astronomical Union</i> , 2017, 13, 83-83.	0.0	2