

# Robert Main

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5824628/publications.pdf>

Version: 2024-02-01

24  
papers

941  
citations

516710

16  
h-index

610901

24  
g-index

24  
all docs

24  
docs citations

24  
times ranked

1148  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Interstellar interferometry: precise curvature measurement from pulsar secondary spectra. Monthly Notices of the Royal Astronomical Society, 2022, 510, 4573-4581.	4.4	13
3	An analysis of the time-frequency structure of several bursts from FRB 121102 detected with MeerKAT. Monthly Notices of the Royal Astronomical Society, 2021, 505, 3041-3053.	4.4	19
4	Discovery and modelling of broad-scale plasma lensing in black-widow pulsar J2051-0827. Monthly Notices of the Royal Astronomical Society, 2021, 506, 2824-2835.	4.4	12
5	Resolving the Emission Regions of the Crab Pulsar's Giant Pulses. Astrophysical Journal, 2021, 915, 65.	4.5	13
6	Scintillation of PSR B1508+55 – the view from a 10,000-km baseline. Monthly Notices of the Royal Astronomical Society, 2021, 506, 5160-5169.	4.4	3
7	Kinematics of Crab Giant Pulses. Astrophysical Journal, 2021, 920, 38.	4.5	11
8	Scintillation time-scale measurement of the highly active FRB20201124A. Monthly Notices of the Royal Astronomical Society, 2021, 509, 3172-3180.	4.4	20
9	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
10	The $\hat{l}$ 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
11	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
12	Mode Changing and Giant Pulses in the Millisecond Pulsar PSR B1957+20. Astrophysical Journal Letters, 2018, 867, L2.	8.3	25
13	Pulsar emission amplified and resolved by plasma lensing in an eclipsing binary. Nature, 2018, 557, 522-525.	27.8	66
14	Mass Distribution in Galaxy Cluster Cores. Astrophysical Journal, 2017, 837, 51.	4.5	31
15	Descattering of Giant Pulses in PSR B1957+20. Astrophysical Journal Letters, 2017, 840, L15.	8.3	22
16	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
17	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
18	Mapping the Emission Location of the Crab Pulsar's Giant Pulses. Proceedings of the International Astronomical Union, 2017, 13, 83-83.	0.0	2

#	ARTICLE	IF	CITATIONS
19	MOLECULAR GAS ALONG A BRIGHT $H\pm$ FILAMENT IN 2A 0335+096 REVEALED BY ALMA. <i>Astrophysical Journal</i> , 2016, 832, 148.	4.5	48
20	ALMA observations of cold molecular gas filaments trailing rising radio bubbles in PKS0745191. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 458, 3134-3149.	4.4	72
21	Cycling of the powerful AGN in MS 0735.6+7421 and the duty cycle of radio AGN in clusters. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 442, 3192-3205.	4.4	61
22	MASSIVE MOLECULAR GAS FLOWS IN THE A1664 BRIGHTEST CLUSTER GALAXY. <i>Astrophysical Journal</i> , 2014, 784, 78.	4.5	72
23	A $10^{10}$ SOLAR MASS FLOW OF MOLECULAR GAS IN THE A1835 BRIGHTEST CLUSTER GALAXY. <i>Astrophysical Journal</i> , 2014, 785, 44.	4.5	112
24	Radiative efficiency, variability and Bondi accretion on to massive black holes: the transition from radio AGN to quasars in brightest cluster galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 432, 530-553.	4.4	139