

Khan M B Asad

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

1,176
citations

516710

16
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839539

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all docs

18
docs citations

18
times ranked

1237
citing authors

#	ARTICLE	IF	CITATIONS
1	Upper Limits on the 21 cm Epoch of Reionization Power Spectrum from One Night with LOFAR. <i>Astrophysical Journal</i> , 2017, 838, 65.	4.5	219
2	Improved upper limits on the 21-cm signal power spectrum of neutral hydrogen at $z \sim 9.1$ from LOFAR. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 493, 1662-1685.	4.4	185
3	Revival of the Magnetar PSR J1622-4950: Observations with MeerKAT, Parkes, XMM-Newton, Swift, Chandra, and NuSTAR. <i>Astrophysical Journal</i> , 2018, 856, 180.	4.5	108
4	Probing ionospheric structures using the LOFAR radio telescope. <i>Radio Science</i> , 2016, 51, 927-941.	1.6	95
5	The 1.28 GHz MeerKAT DEEP2 Image. <i>Astrophysical Journal</i> , 2020, 888, 61.	4.5	80
6	Constraining the intergalactic medium at $z \sim 9.1$ using LOFAR Epoch of Reionization observations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 493, 4728-4747.	4.4	69
7	Initial LOFAR observations of epoch of reionization windows. <i>Astronomy and Astrophysics</i> , 2014, 568, A101.	5.1	67
8	Linear polarization structures in LOFAR observations of the interstellar medium in the 3C196 field. <i>Astronomy and Astrophysics</i> , 2015, 583, A137.	5.1	60
9	Polarization leakage in epoch of reionization windows – I. Low Frequency Array observations of the 3C196 field. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 451, 3709-3727.	4.4	58
10	Constraining the epoch of reionization with the variance statistic: simulations of the LOFAR case. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 443, 1113-1124.	4.4	54
11	The 1.28 GHz MeerKAT Galactic Center Mosaic. <i>Astrophysical Journal</i> , 2022, 925, 165.	4.5	42
12	Primary beam effects of radio astronomy antennas – II. Modelling MeerKAT ν -band beams. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 502, 2970-2983.	4.4	33
13	Polarization leakage in epoch of reionization windows – II. Primary beam model and direction-dependent calibration. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 462, 4482-4494.	4.4	26
14	Polarization leakage in epoch of reionization windows – III. Wide-field effects of narrow-field arrays. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 476, 3051-3062.	4.4	24
15	Wide-field LOFAR-LBA power-spectra analyses: impact of calibration, polarization leakage, and ionosphere. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 478, 1484-1501.	4.4	22
16	Lunar occultation of the diffuse radio sky: LOFAR measurements between 35 and 80 MHz. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 450, 2291-2305.	4.4	20
17	Primary beam effects of radio astronomy antennas – I. Modelling the Karl G. Jansky Very Large Array (VLA) ν -band beam using holography. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 485, 4107-4121.	4.4	12
18	Simulations of systematic direction-dependent instrumental effects in intensity mapping experiments. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 481, 2694-2710.	4.4	2