

Sui Ann Mao

List of Publications by Year in descending order

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Version: 2024-02-01

35
papers

1,760
citations

471509

17
h-index

395702

33
g-index

35
all docs

35
docs citations

35
times ranked

2077
citing authors

#	ARTICLE	IF	CITATIONS
1	The Karl G. Jansky Very Large Array Sky Survey (VLASS). Science Case and Survey Design. Publications of the Astronomical Society of the Pacific, 2020, 132, 035001.	3.1	337
2	The Vertical Structure of Warm Ionised Gas in the Milky Way. Publications of the Astronomical Society of Australia, 2008, 25, 184-200.	3.4	244
3	An improved map of the Galactic Faraday sky. Astronomy and Astrophysics, 2012, 542, A93.	5.1	208
4	MODELING THE MAGNETIC FIELD IN THE GALACTIC DISK USING NEW ROTATION MEASURE OBSERVATIONS FROM THE VERY LARGE ARRAY. Astrophysical Journal, 2011, 728, 97.	4.5	137
5	A SURVEY OF EXTRAGALACTIC FARADAY ROTATION AT HIGH GALACTIC LATITUDE: THE VERTICAL MAGNETIC FIELD OF THE MILKY WAY TOWARD THE GALACTIC POLES. Astrophysical Journal, 2010, 714, 1170-1186.	4.5	127
6	Detection of microgauss coherent magnetic fields in a galaxy five billion years ago. Nature Astronomy, 2017, 1, 621-626.	10.1	81
7	A Radio and Optical Polarization Study of the Magnetic Field in the Small Magellanic Cloud. Astrophysical Journal, 2008, 688, 1029-1049.	4.5	71
8	MAGNETIC FIELD STRUCTURE OF THE LARGE MAGELLANIC CLOUD FROM FARADAY ROTATION MEASURES OF DIFFUSE POLARIZED EMISSION. Astrophysical Journal, 2012, 759, 25.	4.5	57
9	THERMAL PLASMA IN THE GIANT LOBES OF THE RADIO GALAXY CENTAURUS A. Astrophysical Journal, 2013, 764, 162.	4.5	50
10	Large Magneto-ionic Variations toward the Galactic Center Magnetar, PSR J1745-2900. Astrophysical Journal Letters, 2018, 852, L12.	8.3	50
11	The Galactic Faraday rotation sky 2020. Astronomy and Astrophysics, 2022, 657, A43.	5.1	49
12	Magnetism Science with the Square Kilometre Array. Galaxies, 2020, 8, 53.	3.0	41
13	MAGNETIZED GAS IN THE SMITH HIGH VELOCITY CLOUD. Astrophysical Journal, 2013, 777, 55.	4.5	32
14	PROPERTIES OF THE MAGNETO-IONIC MEDIUM IN THE HALO OF M51 REVEALED BY WIDE-BAND POLARIMETRY. Astrophysical Journal, 2015, 800, 92.	4.5	29
15	The Galactic Magneto-ionic Medium Survey: Moments of the Faraday Spectra. Astrophysical Journal, 2019, 871, 106.	4.5	28
16	Constraining the Magnetic Field of the Smith High-velocity Cloud Using Faraday Rotation. Astrophysical Journal, 2019, 871, 215.	4.5	20
17	Detection of an $\sim 1/420$ kpc coherent magnetic field in the outskirts of merging spirals: the Antennae galaxies. Monthly Notices of the Royal Astronomical Society, 2017, 464, 1003-1017.	4.4	18
18	Through thick or thin: multiple components of the magneto-ionic medium towards the nearby H&C%ii region Sharpless 2&C27 revealed by Faraday tomography. Monthly Notices of the Royal Astronomical Society, 2019, 487, 4751-4767.	4.4	17

#	ARTICLE	IF	CITATIONS
19	A VLA Polarimetric Study of the Galactic Center Radio Arc: Characterizing Polarization, Rotation Measure, and Magnetic Field Properties. <i>Astrophysical Journal</i> , 2019, 884, 170.	4.5	16
20	DENSER SAMPLING OF THE ROSETTE NEBULA WITH FARADAY ROTATION MEASUREMENTS: IMPROVED ESTIMATES OF MAGNETIC FIELDS IN H II REGIONS. <i>Astrophysical Journal</i> , 2016, 821, 92.	4.5	15
21	A broad-band spectro-polarimetric view of the NVSS rotation measure catalogue â€” I. Breaking the nŒ-ambiguity. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 487, 3432-3453.	4.4	15
22	The First Large Absorption Survey in H α (FLASH): I. Science goals and survey design. <i>Publications of the Astronomical Society of Australia</i> , 2022, 39, .	3.4	15
23	Statistical properties of Faraday rotation measure in external galaxies â€” I. Intervening disc galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 477, 2528-2546.	4.4	14
24	Probing the cold magnetised Universe with SPICA-POL (B-BOP). <i>Publications of the Astronomical Society of Australia</i> , 2019, 36, .	3.4	13
25	The magnetized disk-halo transition region of M 51. <i>Astronomy and Astrophysics</i> , 2020, 642, A118.	5.1	13
26	An In-depth Investigation of Faraday Depth Spectrum Using Synthetic Observations of Turbulent MHD Simulations. <i>Galaxies</i> , 2019, 7, 89.	3.0	11
27	A broad-band spectro-polarimetric view of the NVSS rotation measure catalogue â€” II. Effects of off-axis instrumental polarization. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 487, 3454-3469.	4.4	10
28	The complex large-scale magnetic fields in the first Galactic quadrant as revealed by the Faraday depth profile disparity. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 497, 3097-3117.	4.4	10
29	A radio polarization study of magnetic fields in the Small Magellanic Cloud. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 510, 260-275.	4.4	10
30	MAGMO: polarimetry of 1720-MHz OH masers towards southern star-forming regions. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 493, 199-233.	4.4	8
31	H α absorption at $z \approx 0.7$ against the lobe of the powerful radio galaxy PKS 0409-75. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 509, 1690-1702.	4.4	6
32	The Global Magneto-Ionic Medium Survey (GMIMS): the brightest polarized region in the southern sky at 75 cm and its implications for Radio Loop II. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 507, 3495-3518.	4.4	5
33	Radio Polarisation Study of High Rotation Measure AGNs. <i>Galaxies</i> , 2017, 5, 66.	3.0	3
34	Magnetism in the Square Kilometre Array Era. <i>Proceedings of the International Astronomical Union</i> , 2018, 14, 307-310.	0.0	0
35	New perspectives on galactic magnetism. <i>Nature Astronomy</i> , 2019, 3, 965-966.	10.1	0