

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 Galactic Faraday rotation sky 2020. <i>Astronomy and Astrophysics</i> , 2022, 657, A43.	5.1	49
2	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
3	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
4	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
5	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
6	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
7	Magnetism Science with the Square Kilometre Array. <i>Galaxies</i> , 2020, 8, 53.	3.0	41
8	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
9	The Karl G. Jansky Very Large Array Sky Survey (VLASS). Science Case and Survey Design. <i>Publications of the Astronomical Society of the Pacific</i> , 2020, 132, 035001.	3.1	337
10	The magnetized disk-halo transition region of M 51. <i>Astronomy and Astrophysics</i> , 2020, 642, A118.	5.1	13
11	A broad-band spectro-polarimetric view of the NVSS rotation measure catalogue – I. Breaking the π -ambiguity. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 487, 3432-3453.	4.4	15
12	Through thick or thin: multiple components of the magneto-ionic medium towards the nearby region Sharpless 2-27 revealed by Faraday tomography. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 487, 4751-4767.	4.4	17
13	A broad-band spectro-polarimetric view of the NVSS rotation measure catalogue – II. Effects of off-axis instrumental polarization. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 487, 3454-3469.	4.4	10
14	New perspectives on galactic magnetism. <i>Nature Astronomy</i> , 2019, 3, 965-966.	10.1	0
15	Probing the cold magnetised Universe with SPICA-POL (B-BOP). <i>Publications of the Astronomical Society of Australia</i> , 2019, 36, .	3.4	13
16	The Galactic Magneto-ionic Medium Survey: Moments of the Faraday Spectra. <i>Astrophysical Journal</i> , 2019, 871, 106.	4.5	28
17	Constraining the Magnetic Field of the Smith High-velocity Cloud Using Faraday Rotation. <i>Astrophysical Journal</i> , 2019, 871, 215.	4.5	20
18	An In-depth Investigation of Faraday Depth Spectrum Using Synthetic Observations of Turbulent MHD Simulations. <i>Galaxies</i> , 2019, 7, 89.	3.0	11

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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	Large Magneto-ionic Variations toward the Galactic Center Magnetar, PSR J1745-2900. <i>Astrophysical Journal Letters</i> , 2018, 852, L12.	8.3	50
21	Statistical properties of Faraday rotation measure in external galaxies – I. Intervening disc galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 477, 2528-2546.	4.4	14
22	Magnetism in the Square Kilometre Array Era. <i>Proceedings of the International Astronomical Union</i> , 2018, 14, 307-310.	0.0	0
23	Detection of an $\sim 1/420$ kpc coherent magnetic field in the outskirt of merging spirals: the Antennae galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 464, 1003-1017.	4.4	18
24	Radio Polarisation Study of High Rotation Measure AGNs. <i>Galaxies</i> , 2017, 5, 66.	3.0	3
25	Detection of microgauss coherent magnetic fields in a galaxy five billion years ago. <i>Nature Astronomy</i> , 2017, 1, 621-626.	10.1	81
26	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
27	PROPERTIES OF THE MAGNETO-IONIC MEDIUM IN THE HALO OF M51 REVEALED BY WIDE-BAND POLARIMETRY. <i>Astrophysical Journal</i> , 2015, 800, 92.	4.5	29
28	MAGNETIZED GAS IN THE SMITH HIGH VELOCITY CLOUD. <i>Astrophysical Journal</i> , 2013, 777, 55.	4.5	32
29	THERMAL PLASMA IN THE GIANT LOBES OF THE RADIO GALAXY CENTAURUS A. <i>Astrophysical Journal</i> , 2013, 764, 162.	4.5	50
30	MAGNETIC FIELD STRUCTURE OF THE LARGE MAGELLANIC CLOUD FROM FARADAY ROTATION MEASURES OF DIFFUSE POLARIZED EMISSION. <i>Astrophysical Journal</i> , 2012, 759, 25.	4.5	57
31	An improved map of the Galactic Faraday sky. <i>Astronomy and Astrophysics</i> , 2012, 542, A93.	5.1	208
32	MODELING THE MAGNETIC FIELD IN THE GALACTIC DISK USING NEW ROTATION MEASURE OBSERVATIONS FROM THE VERY LARGE ARRAY. <i>Astrophysical Journal</i> , 2011, 728, 97.	4.5	137
33	A SURVEY OF EXTRAGALACTIC FARADAY ROTATION AT HIGH GALACTIC LATITUDE: THE VERTICAL MAGNETIC FIELD OF THE MILKY WAY TOWARD THE GALACTIC POLES. <i>Astrophysical Journal</i> , 2010, 714, 1170-1186.	4.5	127
34	The Vertical Structure of Warm Ionised Gas in the Milky Way. <i>Publications of the Astronomical Society of Australia</i> , 2008, 25, 184-200.	3.4	244
35	A Radio and Optical Polarization Study of the Magnetic Field in the Small Magellanic Cloud. <i>Astrophysical Journal</i> , 2008, 688, 1029-1049.	4.5	71