

# shari Breen

## List of Publications by Year in descending order

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Version: 2024-02-01

80  
papers

2,772  
citations

218592

26  
h-index

206029

48  
g-index

81  
all docs

81  
docs citations

81  
times ranked

1075  
citing authors

#	ARTICLE	IF	CITATIONS
1	The 6-GHz methanol multibeam maser catalogue - I. Galactic Centre region, longitudes 345° to 6°. Monthly Notices of the Royal Astronomical Society, 0, 404, 1029-1060.	1.6	219
2	The H <sub>2</sub> O Southern Galactic Plane Survey (HOPS) - I. Techniques and H <sub>2</sub> O maser data. Monthly Notices of the Royal Astronomical Society, 2011, 416, 1764-1821.	1.6	163
3	The 6-GHz multibeam maser survey - I. Techniques. Monthly Notices of the Royal Astronomical Society, 2009, 392, 783-794.	1.6	141
4	The 6-GHz methanol multibeam maser catalogue - II. Galactic longitudes 6° to 20°. Monthly Notices of the Royal Astronomical Society, 2010, 409, 913-935.	1.6	137
5	12.2-GHz methanol masers towards 1.2-mm dust clumps: quantifying high-mass star formation evolutionary schemes. Monthly Notices of the Royal Astronomical Society, 2010, 401, 2219-2244.	1.6	137
6	MALT90: The Millimetre Astronomy Legacy Team 90 GHz Survey. Publications of the Astronomical Society of Australia, 2013, 30, .	1.3	131
7	The 6-GHz methanol multibeam maser catalogue - IV. Galactic longitudes 186°-330° including the Orion-Monoceros region. Monthly Notices of the Royal Astronomical Society, 2012, 420, 3108-3125.	1.6	128
8	The 6-GHz methanol multibeam maser catalogue - III. Galactic longitudes 330° to 345°. Monthly Notices of the Royal Astronomical Society, 2011, 417, 1964-1995.	1.6	123
9	Confirmation of the exclusive association between 6.7-GHz methanol masers and high-mass star formation regions. Monthly Notices of the Royal Astronomical Society, 2013, 435, 524-530.	1.6	105
10	The 6-GHz methanol multibeam maser catalogue - V. Galactic longitudes 20°-60°. Monthly Notices of the Royal Astronomical Society, 2015, 450, 4109-4136.	1.6	92
11	Southern class I methanol masers at 36 and 44 GHz. Monthly Notices of the Royal Astronomical Society, 2014, 439, 2584-2617.	1.6	86
12	Accurate water maser positions from HOPS. Monthly Notices of the Royal Astronomical Society, 2014, 442, 2240-2252.	1.6	60
13	MAJOR STRUCTURES OF THE INNER GALAXY DELINEATED BY 6.7 GHz METHANOL MASERS. Astrophysical Journal, 2011, 733, 27.	1.6	57
14	STATISTICAL PROPERTIES OF 12.2 GHz METHANOL MASERS ASSOCIATED WITH A COMPLETE SAMPLE OF 6.7 GHz METHANOL MASERS. Astrophysical Journal, 2011, 733, 80.	1.6	54
15	Characterisation of the MALT90 Survey and the Mopra Telescope at 90 GHz. Publications of the Astronomical Society of Australia, 2013, 30, .	1.3	52
16	Multibeam maser survey of methanol and excited OH in the Magellanic Clouds: new detections and maser abundance estimates. Monthly Notices of the Royal Astronomical Society, 2008, 385, 948-956.	1.6	49
17	Masers associated with high-mass star formation regions in the Large Magellanic Cloud. Monthly Notices of the Royal Astronomical Society, 0, 404, 779-791.	1.6	45
18	SPLASH: the Southern Parkes Large-Area Survey in Hydroxyl - first science from the pilot region. Monthly Notices of the Royal Astronomical Society, 2014, 439, 1596-1614.	1.6	42

#	ARTICLE	IF	CITATIONS
19	Water masers accompanying OH and methanol masers in star formation regions. Monthly Notices of the Royal Astronomical Society, 2010, , no-no.	1.6	41
20	The 6-GHz multibeam maser survey â€“ II. Statistical analysis and Galactic distribution of 6668-MHz methanol masers. Monthly Notices of the Royal Astronomical Society, 2017, 469, 1383-1402.	1.6	41
21	12.2-GHz methanol maser MMB follow-up catalogue - I. Longitude range 330Â° to 10Â°. Monthly Notices of the Royal Astronomical Society, 2012, 421, 1703-1735.	1.6	37
22	37 GHz METHANOL MASERS : HORSEMEN OF THE APOCALYPSE FOR THE CLASS II METHANOL MASER PHASE?. Astrophysical Journal, 2011, 742, 109.	1.6	35
23	Discovery of Six New Class II Methanol Maser Transitions, Including the Unambiguous Detection of Three Torsionally Excited Lines toward G 358.931â€“0.030. Astrophysical Journal Letters, 2019, 876, L25.	3.0	35
24	Detection of new methanol maser transitions associated with G358.93âˆ’0.03. Monthly Notices of the Royal Astronomical Society, 2019, 489, 3981-3989.	1.6	31
25	<sup>13</sup> CH <sub>3</sub> OH Masers Associated With a Transient Phenomenon in a High-mass Young Stellar Object. Astrophysical Journal Letters, 2020, 890, L22.	3.0	31
26	DETECTION OF 36 GHz CLASS I METHANOL MASER EMISSION TOWARD NGC 253. Astrophysical Journal Letters, 2014, 790, L28.	3.0	29
27	An unbiased pilot survey for Galactic water masers. Monthly Notices of the Royal Astronomical Society, 0, 407, 2599-2610.	1.6	28
28	12.2-GHz methanol maser Methanol Multibeam follow-up catalogue - II. Longitude range 186Â°-330Â°. Monthly Notices of the Royal Astronomical Society, 2012, 426, 2189-2207.	1.6	27
29	Investigating high-mass star formation through maser surveys. Proceedings of the International Astronomical Union, 2007, 3, 213-217.	0.0	26
30	High-velocity H <sub>2</sub> O maser emission from the post-asymptotic-giant-branch star OH 009.1-0.4. Monthly Notices of the Royal Astronomical Society: Letters, 2009, 394, L70-L73.	1.2	26
31	FIRST COSMOLOGICAL CONSTRAINTS ON THE PROTON-TO-ELECTRON MASS RATIO FROM OBSERVATIONS OF ROTATIONAL TRANSITIONS OF METHANOL. Astrophysical Journal Letters, 2012, 747, L7.	3.0	26
32	DETECTION OF A METHANOL MEGAMASER IN A MAJOR-MERGER GALAXY. Astrophysical Journal Letters, 2015, 800, L2.	3.0	26
33	Excited-state hydroxyl maser catalogue from the methanol multibeam survey â€“ I. Positions and variability. Monthly Notices of the Royal Astronomical Society, 2016, 461, 136-155.	1.6	26
34	A search for water masers associated with class II methanol masers â€“ I. Longitude range 6Â°â€“20Â°. Monthly Notices of the Royal Astronomical Society, 2014, 443, 2923-2939.	1.6	25
35	MALT-45: a 7Âmm survey of the southern Galaxy â€“ I. Techniques and spectral line data. Monthly Notices of the Royal Astronomical Society, 2015, 448, 2344-2361.	1.6	25
36	A search for water masers associated with class II methanol masers â€“ II. Longitude range 341Â° to 6Â°. Monthly Notices of the Royal Astronomical Society, 2016, 459, 157-170.	1.6	25

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37	New maser species tracing spiral-arm accretion flows in a high-mass young stellar object. <i>Nature Astronomy</i> , 2020, 4, 1170-1176.	4.2	25
38	Class I methanol masers in NGC 253: Alcohol at the end of the bar. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 472, 604-615.	1.6	23
39	Constraining the properties of 1.2-mm dust clumps that contain luminous water masers. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, , no-no.	1.6	22
40	12.2-GHz methanol maser MMB follow-up catalogue â€“ III. Longitude range 10Â° to 20Â°. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 438, 3368-3382.	1.6	20
41	Discovery of the new class I methanol maser transition at 23.4 GHz. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 413, 2339-2344.	1.6	18
42	Practical Limitations on Astrophysical Observations of Methanol to Investigate Variations in the Proton-to-Electron Mass Ratio. <i>Physical Review Letters</i> , 2011, 107, 270801.	2.9	18
43	UNUSUAL SHOCK-EXCITED OH MASER EMISSION IN A YOUNG PLANETARY NEBULA. <i>Astrophysical Journal</i> , 2016, 817, 37.	1.6	18
44	ACCURATE OH MASER POSITIONS FROM THE SPLASH PILOT REGION. <i>Astrophysical Journal, Supplement Series</i> , 2016, 227, 26.	3.0	18
45	Testing maser-based evolutionary schemes: a new search for 37.7-GHz methanol masers. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 429, 3501-3516.	1.6	16
46	12.2-GHz methanol maser MMB follow-up catalogue â€“ IV. Longitude range 20Â°â€“60Â°. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 459, 4066-4087.	1.6	16
47	MALT-45: A 7â€“mm survey of the southern Galaxy â€“ II. ATCA follow-up observations of 44â€“GHz class I methanol masers. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 471, 3915-3954.	1.6	16
48	Detection of 36 GHz Class I Methanol Maser Emission toward NGC 4945. <i>Astrophysical Journal</i> , 2017, 846, 156.	1.6	16
49	The Carina Nebula and Gum 31 molecular complex â€“ II. The distribution of the atomic gas revealed in unprecedented detail. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 472, 1685-1704.	1.6	15
50	The mid-infrared environments of 6.7â€“GHz methanol masers from the Methanol Multi-Beam Survey. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 430, 808-821.	1.6	12
51	G 10.472+0.027: AN EXTREME WATER MASER OUTFLOW ASSOCIATED WITH A MASSIVE PROTOSTELLAR CLUSTER. <i>Astrophysical Journal Letters</i> , 2013, 775, L12.	3.0	12
52	The evolutionary status of protostellar clumps hosting class II methanol masers. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 493, 2015-2041.	1.6	12
53	The 6-GHz Multibeam Maser Survey â€“ III. Comparison between the MMB and HOPS. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 474, 3898-3911.	1.6	11
54	Accurate OH Maser Positions. II. The Galactic Center Region. <i>Astrophysical Journal, Supplement Series</i> , 2018, 239, 15.	3.0	11

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55	84-GHz methanol masers, their relationship to 36-GHz methanol masers, and their molecular environments. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 484, 5072-5093.	1.6	11
56	ATLASGAL â€œ physical parameters of dust clumps associated with 6.7 GHz methanol masers. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , .	1.6	10
57	ATLASGAL â€œ relationship between dense star-forming clumps and interstellar masers. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 499, 2744-2759.	1.6	10
58	Accurate OH Maser Positions from the SPLASH Survey. III. The Final 96 deg <sup>2</sup> . <i>Astrophysical Journal, Supplement Series</i> , 2020, 247, 5.	3.0	10
59	Detection of HC <sub>3</sub> N Maser Emission in NGC 253. <i>Astrophysical Journal Letters</i> , 2017, 841, L14.	3.0	9
60	The first high-resolution observations of 37.7-, 38.3- and 38.5-GHz methanol masers. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , .	1.6	8
61	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.	1.6	8
62	Molecular line search towards the flaring 6.7-GHz methanol masers of G <sup>24.33+0.13</sup> and G <sup>359.62<sup>+</sup>0.24</sup> : rare maser transitions detected. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 509, 1681-1689.	1.6	6
63	The Physical Parameters of Clumps Associated with Class I Methanol Masers. <i>Astronomical Journal</i> , 2020, 160, 213.	1.9	6
64	Detection of 84 GHz Class I Methanol Maser Emission toward NGC 253. <i>Astrophysical Journal Letters</i> , 2018, 867, L4.	3.0	5
65	Investigations of the Class I methanol masers in NGC 4945. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 480, 4578-4588.	1.6	5
66	Environmental conditions shaping star formation: the Carina Nebula. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 483, 1437-1451.	1.6	5
67	The Carina Nebula and Gum 31 Molecular Complex. III. The Distribution of the 1 <sup>+</sup> 3 GHz Radio Continuum across the Whole Nebula. <i>Astrophysical Journal</i> , 2021, 909, 93.	1.6	4
68	Recent Science from Australian Large-Scale Millimetre Mapping Projects: Proceedings from a Swinburne University Workshop. <i>Publications of the Astronomical Society of Australia</i> , 2009, 26, 110-120.	1.3	3
69	Water masers and ammonia (1, 1) and (2, 2) towards six regions in the Carina Nebula. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 473, 2-13.	1.6	3
70	SPLASH: the Southern Parkes Large-Area Survey in Hydroxyl â€œ data description and release. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 512, 3345-3364.	1.6	3
71	Variability in extragalactic class I methanol masers: new maser components towards NGC 4945 and NGC 253. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 491, 4642-4655.	1.6	2
72	6 cm OH Masers in Northern Star Formation Regions. <i>Astrophysical Journal</i> , 2022, 928, 129.	1.6	2

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73	Modelled 3D distribution of OH/IR stars in the Galactic disc. Monthly Notices of the Royal Astronomical Society, 2021, 502, 3012-3020.	1.6	1
74	Water masers within the G 333.2+0.6 giant molecular cloud. Proceedings of the International Astronomical Union, 2007, 3, 144-145.	0.0	0
75	Star-formation masers in the Magellanic Clouds: A multibeam survey with new detections and maser abundance estimates. Proceedings of the International Astronomical Union, 2008, 4, 227-232.	0.0	0
76	The Statistics and Galactic Properties of the Methanol Multibeam Survey. Proceedings of the International Astronomical Union, 2009, 5, 800-800.	0.0	0
77	Interferometry of class I methanol masers, statistics and the distance scale. Proceedings of the International Astronomical Union, 2017, 13, 158-161.	0.0	0
78	Class I Methanol Maser Emission in NGC 4945. Proceedings of the International Astronomical Union, 2017, 13, 105-108.	0.0	0
79	A golden age for maser surveys. Proceedings of the International Astronomical Union, 2017, 13, 219-224.	0.0	0
80	Exploring the Nature of MMB sources: A Search for Class I Methanol Masers and their Outflows. Proceedings of the International Astronomical Union, 2017, 13, 317-318.	0.0	0