

Andrew John Walsh

List of Publications by Year in descending order

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99
papers

4,670
citations

94433

37
h-index

102487

66
g-index

100
all docs

100
docs citations

100
times ranked

2622
citing authors

#	ARTICLE	IF	CITATIONS
1	Evidence for a Developing Gap in a 10 Myr Old Protoplanetary Disk. <i>Astrophysical Journal</i> , 2002, 568, 1008-1016.	4.5	470
2	Variations in the Galactic star formation rate and density thresholds for star formation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 429, 987-1000.	4.4	254
3	The 6-GHz methanol multibeam maser catalogue - I. Galactic Centre region, longitudes 345 \hat{A} $^{\circ}$ to 6 \hat{A} $^{\circ}$. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, 404, 1029-1060.	4.4	219
4	Studies of ultracompact H ii regions - II. High-resolution radio continuum and methanol maser survey. <i>Monthly Notices of the Royal Astronomical Society</i> , 1998, 301, 640-698.	4.4	163
5	The H ₂ O Southern Galactic Plane Survey (HOPS) - I. Techniques and H ₂ O maser data. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 416, 1764-1821.	4.4	163
6	CH ₃ OH and H ₂ O masers in high-mass star-forming regions. <i>Astronomy and Astrophysics</i> , 2002, 390, 289-298.	5.1	146
7	The 6-GHz multibeam maser survey - I. Techniques. <i>Monthly Notices of the Royal Astronomical Society</i> , 2009, 392, 783-794.	4.4	141
8	G0.253 + 0.016: A MOLECULAR CLOUD PROGENITOR OF AN ARCHES-LIKE CLUSTER. <i>Astrophysical Journal</i> , 2012, 746, 117.	4.5	138
9	MALT90: The Millimetre Astronomy Legacy Team 90 GHz Survey. <i>Publications of the Astronomical Society of Australia</i> , 2013, 30, .	3.4	131
10	Spectral imaging of the Central Molecular Zone in multiple 3-mm molecular lines. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 419, 2961-2986.	4.4	128
11	Millimetre continuum observations of southern massive star formation regions – I. SIMBA observations of cold cores. <i>Monthly Notices of the Royal Astronomical Society</i> , 2005, 363, 405-451.	4.4	125
12	A CH ₃ CN and HCO ⁺ survey towards southern methanol masers associated with star formation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2006, 367, 553-576.	4.4	110
13	Candidate super star cluster progenitor gas clouds possibly triggered by close passage to Sgr A*. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2013, 433, L15-L19.	3.3	104
14	A CLUSTER IN THE MAKING: ALMA REVEALS THE INITIAL CONDITIONS FOR HIGH-MASS CLUSTER FORMATION. <i>Astrophysical Journal</i> , 2015, 802, 125.	4.5	89
15	TURBULENCE SETS THE INITIAL CONDITIONS FOR STAR FORMATION IN HIGH-PRESSURE ENVIRONMENTS. <i>Astrophysical Journal Letters</i> , 2014, 795, L25.	8.3	87
16	A SCUBA imaging survey of ultracompact HII regions. <i>Astronomy and Astrophysics</i> , 2006, 453, 1003-1026.	5.1	86
17	Star-forming protoclusters associated with methanol masers. <i>Astronomy and Astrophysics</i> , 2005, 429, 945-960.	5.1	83
18	The Mopra Southern Galactic Plane CO Survey. <i>Publications of the Astronomical Society of Australia</i> , 2013, 30, .	3.4	73

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19	The H ₂ O Southern Galactic Plane Survey: NH ₃ (1,1) and (2,2) catalogues. Monthly Notices of the Royal Astronomical Society, 2012, 426, 1972-1991.	4.4	72
20	Mid-infrared observations of methanol maser sites and ultracompact H ii regions: signposts of high-mass star formation. Monthly Notices of the Royal Astronomical Society, 2001, 326, 36-56.	4.4	71
21	The Survey of Water and Ammonia in the Galactic Center (SWAG): Molecular Cloud Evolution in the Central Molecular Zone. Astrophysical Journal, 2017, 850, 77.	4.5	71
22	Observations of warm dust near methanol masers. Astronomy and Astrophysics, 2003, 410, 597-610.	5.1	71
23	Star Formation on the Move?. Astrophysical Journal, 2004, 614, 194-202.	4.5	67
24	Spectral imaging of the Sagittarius B2 region in multiple 3-mm molecular lines with the Mopra telescope. Monthly Notices of the Royal Astronomical Society, 2008, 386, 117-137.	4.4	65
25	The earliest phases of high-mass star formation: the NGC 6334-NGC 6357 complex. Astronomy and Astrophysics, 2010, 515, A55.	5.1	65
26	GASKAP – The Galactic ASKAP Survey. Publications of the Astronomical Society of Australia, 2013, 30, .	3.4	63
27	A Large-Scale Survey of NGC 1333. Astrophysical Journal, 2007, 655, 958-972.	4.5	63
28	Accurate water maser positions from HOPS. Monthly Notices of the Royal Astronomical Society, 2014, 442, 2240-2252.	4.4	60
29	Studies of ultracompact H II regions – III. Near-infrared survey of selected regions. Monthly Notices of the Royal Astronomical Society, 1999, 309, 905-922.	4.4	58
30	Characterisation of the MALT90 Survey and the Mopra Telescope at 90 GHz. Publications of the Astronomical Society of Australia, 2013, 30, .	3.4	52
31	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.	4.4	49
32	Molecular line mapping of the giant molecular cloud associated with RCW 106 - I. 13CO. Monthly Notices of the Royal Astronomical Society, 2006, 367, 1609-1628.	4.4	48
33	Science Programs for a 2-m Class Telescope at Dome C, Antarctica: PILOT, the Pathfinder for an International Large Optical Telescope. Publications of the Astronomical Society of Australia, 2005, 22, 199-235.	3.4	45
34	Hot ammonia in NGC 6334I & I(N). Astronomy and Astrophysics, 2007, 466, 989-998.	5.1	42
35	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.	4.4	42
36	Physical and chemical conditions in methanol maser selected hot cores and UCH ii regions. Monthly Notices of the Royal Astronomical Society, 2009, 394, 323-339.	4.4	40

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37	Spectral imaging of the central molecular zone in multiple 7-mm molecular lines. Monthly Notices of the Royal Astronomical Society, 2013, 433, 221-234.	4.4	38
38	Millimetre continuum observations of southern massive star formation regions â€“ II. SCUBA observations of cold cores and the dust grain emissivity index (β). Monthly Notices of the Royal Astronomical Society, 2006, 368, 1223-1268.	4.4	37
39	Cyanopolyynes in hot cores: modelling G305.2+0.2. Monthly Notices of the Royal Astronomical Society, 2009, 394, 221-230.	4.4	37
40	HOT HIGH-MASS ACCRETION DISK CANDIDATES. Astrophysical Journal, Supplement Series, 2009, 184, 366-386.	7.7	35
41	A Pilot Survey for the H ₂ O Southern Galactic Plane Survey. Publications of the Astronomical Society of Australia, 2008, 25, 105-113.	3.4	33
42	High Spatial Resolution Observations of NH ₃ and CH ₃ OH toward the Massive Twin Cores NGC 6334I and NGC 6334I(N). Astrophysical Journal, 2005, 627, 834-844.	4.5	32
43	A 7â€“mm line survey of the shocked and disrupted molecular gas towards the W28 field TeV gamma-ray sources. Monthly Notices of the Royal Astronomical Society, 2012, 419, 251-266.	4.4	32
44	Mid-infrared source multiplicity within hot molecular cores traced by methanol masers. Monthly Notices of the Royal Astronomical Society, 2006, 369, 1196-1200.	4.4	31
45	3 to 12 millimetre studies of dense gas towards the western rim of supernova remnant RXâ€“J1713.7â€“3946. Monthly Notices of the Royal Astronomical Society, 2012, 422, 2230-2245.	4.4	31
46	Kinematics of a Hot Massive Accretion Disk Candidate. Astrophysical Journal, 2008, 673, L55-L58.	4.5	29
47	ATCA 3â€“mm observations of NGCâ€“6334I and I(N): dense cores, outflows, and an UCHâ€“II region. Astronomy and Astrophysics, 2008, 481, 169-181.	3.1	29
48	FIRST PARALLAX MEASUREMENTS TOWARD A 6.7 GHz METHANOL MASER WITH THE AUSTRALIAN LONG BASELINE ARRAYâ€“DISTANCE TO G 339.884â€“1.259.. Astrophysical Journal, 2015, 805, 129.	4.5	29
49	An ATCA survey of Sagittarius B2 at 7â€“mm: chemical complexity meets broad-band interferometry. Monthly Notices of the Royal Astronomical Society, 2015, 452, 3969-3993.	4.4	28
50	High-velocity H ₂ 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.	3.3	26
51	12â€“mm line survey of the dense molecular gas towards the W28 field TeV gamma-ray sources. Monthly Notices of the Royal Astronomical Society, 2011, 411, 1367-1385.	4.4	25
52	The Mopra Southern Galactic Plane CO Survey â€“ Data Release 1. Publications of the Astronomical Society of Australia, 2015, 32, .	3.4	25
53	MALT-45: a 7â€“mm survey of the southern Galaxy â€“ I. Techniques and spectral line data. Monthly Notices of the Royal Astronomical Society, 2015, 448, 2344-2361.	4.4	25
54	Observations of Global and Local Infall in NGC 1333. Astrophysical Journal, 2006, 637, 860-868.	4.5	24

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55	New ammonia masers towards NGC 6334I. Monthly Notices of the Royal Astronomical Society: Letters, 2007, 382, L35-L38.	3.3	24
56	High-resolution Mid-infrared Imaging of G339.88 ^{-1.26} . Astrophysical Journal, 2002, 564, 327-332.	4.5	20
57	High-mass star-forming cloud G0.38+0.04 in the Galactic center dust ridge contains H ₂ CO and SiO masers. Astronomy and Astrophysics, 2015, 584, L7.	5.1	20
58	Multi-generation massive star-formation in NGC 3576. Astronomy and Astrophysics, 2009, 504, 139-159.	5.1	18
59	Discovery of the new class I methanol maser transition at 23.4 GHz. Monthly Notices of the Royal Astronomical Society, 2011, 413, 2339-2344.	4.4	18
60	Dense Gas Towards the RX J1713.7 ⁻³⁹⁴⁶ Supernova Remnant. Publications of the Astronomical Society of Australia, 2013, 30, .	3.4	18
61	UNUSUAL SHOCK-EXCITED OH MASER EMISSION IN A YOUNG PLANETARY NEBULA. Astrophysical Journal, 2016, 817, 37.	4.5	18
62	ACCURATE OH MASER POSITIONS FROM THE SPLASH PILOT REGION. Astrophysical Journal, Supplement Series, 2016, 227, 26.	7.7	18
63	Discovery of molecular hydrogen line emission associated with methanol maser emission. Monthly Notices of the Royal Astronomical Society, 2001, 324, 1102-1108.	4.4	16
64	Mopra observations of G305.2+0.2: massive star formation at different evolutionary stages?. Monthly Notices of the Royal Astronomical Society, 2006, 365, 321-326.	4.4	16
65	A survey for hydroxyl in the THOR pilot region around W43. Monthly Notices of the Royal Astronomical Society, 2016, 455, 3494-3510.	4.4	16
66	MALT-45: A 7 ^{-mm} survey of the southern Galaxy II. ATCA follow-up observations of 44 ^{-GHz} class I methanol masers. Monthly Notices of the Royal Astronomical Society, 2017, 471, 3915-3954.	4.4	16
67	Interstellar gas towards CTB 37A and the TeV gamma-ray source HESS J1714-385. Monthly Notices of the Royal Astronomical Society, 2013, 434, 2188-2201.	4.4	15
68	ABSORPTION FILAMENTS TOWARD THE MASSIVE CLUMP G0.253+0.016. Astrophysical Journal, 2014, 795, 28.	4.5	14
69	The Radio Ammonia Mid-plane Survey (RAMPS) Pilot Survey. Astrophysical Journal, Supplement Series, 2018, 237, 27.	7.7	13
70	New detections of HC5N towards hot cores associated with 6.7 ^{-GHz} methanol masers. Monthly Notices of the Royal Astronomical Society, 2014, 443, 2252-2263.	4.4	11
71	Accurate OH Maser Positions. II. The Galactic Center Region. Astrophysical Journal, Supplement Series, 2018, 239, 15.	7.7	11
72	The massive star forming region G323.74 ^{-0.26} . Monthly Notices of the Royal Astronomical Society, 2002, 329, 475-480.	4.4	10

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73	Accurate OH Maser Positions from the SPLASH Survey. III. The Final 96 deg ² . Astrophysical Journal, Supplement Series, 2020, 247, 5.	7.7	10
74	New class I methanol masers. Proceedings of the International Astronomical Union, 2012, 8, 433-440.	0.0	9
75	Maser Source-Finding Methods in HOPS. Publications of the Astronomical Society of Australia, 2012, 29, 262-268.	3.4	8
76	Ammonia excitation imaging of shocked gas towards the W28 gamma-ray source HESS J1801-233. Monthly Notices of the Royal Astronomical Society, 2016, 462, 532-546.	4.4	8
77	Australia Telescope Compact Array 1.2-cm observations of the massive star-forming region G305.2+0.2. Monthly Notices of the Royal Astronomical Society, 2007, 380, 1703-1714.	4.4	7
78	Too large and overlooked? Extended free-free emission towards massive star formation regions. Monthly Notices of the Royal Astronomical Society, 2009, 399, 861-877.	4.4	7
79	Pilot observations for MALT-45: a Galactic plane survey at 7 Åm. Monthly Notices of the Royal Astronomical Society, 2013, 429, 469-481.	4.4	7
80	Molecular line mapping of the giant molecular cloud associated with RCW 106 " IV. Ammonia towards dust emission. Monthly Notices of the Royal Astronomical Society, 2014, 441, 256-273.	4.4	6
81	Recent Science from Australian Large-Scale Millimetre Mapping Projects: Proceedings from a Swinburne University Workshop. Publications of the Astronomical Society of Australia, 2009, 26, 110-120.	3.4	3
82	Mopra line survey mapping of NGC 6334 and I(N) at 3 mm. Monthly Notices of the Royal Astronomical Society, 2010, , .	4.4	3
83	HOPS: The H ₂ O Southern Galactic Plane Survey. EAS Publications Series, 2011, 52, 135-138.	0.3	3
84	A Search for High-Mass Stars Forming in Isolation using CORNISH and ATLASGAL. Publications of the Astronomical Society of Australia, 2015, 32, .	3.4	3
85	Uncovering the earliest stages of massive star formation. Proceedings of the International Astronomical Union, 2005, 1, 157-162.	0.0	2
86	A study of dense molecular gas towards galactic TeV γ -ray sources. , 2012, , .		1
87	Ground-state OH maser distributions in the Galactic Centre region. Proceedings of the International Astronomical Union, 2016, 11, 141-142.	0.0	1
88	VLT Observations of the Young Stellar Object TMR-1. , 0, , 391-398.		0
89	G305.20+0.21: A very young class II methanol maser source. Symposium - International Astronomical Union, 2002, 206, 155-158.	0.1	0
90	The Parkes methanol multibeam survey. Proceedings of the International Astronomical Union, 2006, 2, 403-403.	0.0	0

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91	The Methanol Multibeam Survey. Proceedings of the International Astronomical Union, 2007, 3, 218-222.	0.0	0
92	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
93	The Statistics and Galactic Properties of the Methanol Multibeam Survey. Proceedings of the International Astronomical Union, 2009, 5, 800-800.	0.0	0
94	Dense gas towards the RXJ1713.7â€“3946 supernova remnant. , 2012, , .		0
95	High Mass Star Formation: Properties of NH₃ clumps in Southern Galactic Plane. Proceedings of the International Astronomical Union, 2015, 11, .	0.0	0
96	The chemistry and kinematics of two molecular clouds near Sagittarius A*. Monthly Notices of the Royal Astronomical Society, 2016, 463, 1363-1389.	4.4	0
97	Current stage of the ATCA follow-up for SPLASH. Proceedings of the International Astronomical Union, 2017, 13, 295-296.	0.0	0
98	A Face-on Accretion System in High Mass Star-Formation: Possible Dusty Infall Streams within 100 Astronomical Unit. Proceedings of the International Astronomical Union, 2017, 13, 267-270.	0.0	0
99	The Milky Way Heart: Investigating molecular gas and gamma-ray morphologies in the Central Molecular Zone. , 2011, , .		0