

Michael Burton

List of Publications by Year in descending order

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258
papers

7,758
citations

50276

46
h-index

69250

77
g-index

259
all docs

259
docs citations

259
times ranked

4081
citing authors

#	ARTICLE	IF	CITATIONS
1	Studies of ultracompact H II regions -- II. High-resolution radio continuum and methanol maser survey. Monthly Notices of the Royal Astronomical Society, 1998, 301, 640-698.	4.4	293
2	Line emission from clumpy photodissociation regions. Astrophysical Journal, 1990, 365, 620.	4.5	240
3	Explosive ejection of matter associated with star formation in the Orion nebula. Nature, 1993, 363, 54-56.	27.8	228
4	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.	4.4	219
5	Studies of ultracompact H II regions -- I. Methanol maser survey of IRAS-selected sources. Monthly Notices of the Royal Astronomical Society, 1997, 291, 261-278.	4.4	204
6	ATLASGAL " properties of a complete sample of Galactic clumps.... Monthly Notices of the Royal Astronomical Society, 2018, 473, 1059-1102.	4.4	204
7	Deep Impact: Observations from a Worldwide Earth-Based Campaign. Science, 2005, 310, 265-269.	12.6	182
8	STAR FORMATION IN THE CENTRAL 400 PC OF THE MILKY WAY: EVIDENCE FOR A POPULATION OF MASSIVE YOUNG STELLAR OBJECTS. Astrophysical Journal, 2009, 702, 178-225.	4.5	167
9	Studies of ultracompact H ii regions - II. High-resolution radio continuum and methanol maser survey. Monthly Notices of the Royal Astronomical Society, 1998, 301, 640-698.	4.4	163
10	The H2O Southern Galactic Plane Survey (HOPS) - I. Techniques and H2O maser data. Monthly Notices of the Royal Astronomical Society, 2011, 416, 1764-1821.	4.4	163
11	The Discovery of Hot Stars near the Galactic Center Thermal Radio Filaments. Astrophysical Journal, 1996, 461, 750.	4.5	155
12	The 6-GHz multibeam maser survey - I. Techniques. Monthly Notices of the Royal Astronomical Society, 2009, 392, 783-794.	4.4	141
13	Spectral imaging of the Central Molecular Zone in multiple 3-mm molecular lines. Monthly Notices of the Royal Astronomical Society, 2012, 419, 2961-2986.	4.4	128
14	Millimetre continuum observations of southern massive star formation regions -- I. SIMBA observations of cold cores. Monthly Notices of the Royal Astronomical Society, 2005, 363, 405-451.	4.4	125
15	The linewidth-size relationship in the dense interstellar medium of the Central Molecular Zone. Monthly Notices of the Royal Astronomical Society, 2012, 425, 720-729.	4.4	115
16	A CH3CN and HCO+ survey towards southern methanol masers associated with star formation. Monthly Notices of the Royal Astronomical Society, 2006, 367, 553-576.	4.4	110
17	EXPLOSIVE OUTFLOWS POWERED BY THE DECAY OF NON-HIERARCHICAL MULTIPLE SYSTEMS OF MASSIVE STARS: ORION BN/KL. Astrophysical Journal, 2011, 727, 113.	4.5	103
18	Mid-infrared rotational line emission from interstellar molecular hydrogen. Astrophysical Journal, 1992, 399, 563.	4.5	94

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19	DISCOVERY OF THE SECOND WARM CARBON-CHAIN-CHEMISTRY SOURCE, IRAS15398 â€“ 3359 IN LUPUS. <i>Astrophysical Journal</i> , 2009, 697, 769-786.	4.5	94
20	A search for propylene oxide and glycine in Sagittarius B2 (LMH) and Orion. <i>Monthly Notices of the Royal Astronomical Society</i> , 2007, 376, 1201-1210.	4.4	88
21	Star-forming protoclusters associated with methanol masers. <i>Astronomy and Astrophysics</i> , 2005, 429, 945-960.	5.1	83
22	Multiwavelength observations of southern hot molecular cores traced by methanol masers - I. Ammonia and 24-GHz continuum data. <i>Monthly Notices of the Royal Astronomical Society</i> , 2007, 379, 535-572.	4.4	81
23	Ratios of molecular hydrogen line intensities in shocked gas - Evidence for cooling zones. <i>Astrophysical Journal</i> , 1988, 334, L103.	4.5	78
24	Shocked molecular hydrogen in the supernova remnant IC 443. <i>Monthly Notices of the Royal Astronomical Society</i> , 1988, 231, 617-634.	4.4	77
25	The Mopra Southern Galactic Plane CO Survey. <i>Publications of the Astronomical Society of Australia</i> , 2013, 30, .	3.4	73
26	The H ₂ O Southern Galactic Plane Survey: NH ₃ â€“(1,1) and (2,2) catalogues. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 426, 1972-1991.	4.4	72
27	The RMS survey. <i>Astronomy and Astrophysics</i> , 2007, 474, 891-901.	5.1	72
28	Centimetre-wave continuum radiation from the Ï•Ophiuchi molecular cloud. <i>Monthly Notices of the Royal Astronomical Society</i> , 2008, 391, 1075-1090.	4.4	71
29	Observations of warm dust near methanol masers. <i>Astronomy and Astrophysics</i> , 2003, 410, 597-610.	5.1	71
30	STAR-FORMING DENSE CLOUD CORES IN THE TeV GAMMA-RAY SNR RX J1713.7â€“3946. <i>Astrophysical Journal</i> , 2010, 724, 59-68.	4.5	68
31	Star Formation on the Move?. <i>Astrophysical Journal</i> , 2004, 614, 194-202.	4.5	67
32	Spectral imaging of the Sagittarius B2 region in multiple 3-mm molecular lines with the Mopra telescope. <i>Monthly Notices of the Royal Astronomical Society</i> , 2008, 386, 117-137.	4.4	65
33	Isolated Hot Stars in the Galactic Center Vicinity. <i>Astrophysical Journal</i> , 1999, 510, 747-758.	4.5	62
34	The RMS survey. <i>Astronomy and Astrophysics</i> , 2008, 487, 253-264.	5.1	61
35	Studies of ultracompact H II regions -- III. Near-infrared survey of selected regions. <i>Monthly Notices of the Royal Astronomical Society</i> , 1999, 309, 905-922.	4.4	58
36	NICMOS 2 Micron Continuum and H[TINF]2/[TINF] Images of OMC-1. <i>Astrophysical Journal</i> , 1998, 492, L151-L155.	4.5	58

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37	Molecular line mapping of the giant molecular cloud associated with RCW 106 II. Column density and dynamical state of the clumps. <i>Monthly Notices of the Royal Astronomical Society</i> , 2008, 386, 1069-1084.	4.4	57
38	MAJOR STRUCTURES OF THE INNER GALAXY DELINEATED BY 6.7 GHz METHANOL MASERS. <i>Astrophysical Journal</i> , 2011, 733, 27.	4.5	57
39	The Near-Infrared Sky Emission at the South Pole in Winter. <i>Astrophysical Journal</i> , 1999, 527, 1009-1022.	4.5	56
40	Atmospheric turbulence at the South Pole and its implications for astronomy. <i>Astronomy and Astrophysics</i> , 2003, 400, 1163-1172.	5.1	56
41	South Pole Observations of the Near-Infrared Sky Brightness. <i>Publications of the Astronomical Society of the Pacific</i> , 1996, 108, 721.	3.1	53
42	Molecular line mapping of the giant molecular cloud associated with RCW 106 - III. Multimolecular line mapping. <i>Monthly Notices of the Royal Astronomical Society</i> , 2009, 395, 1021-1042.	4.4	53
43	Images of shock-excited molecular hydrogen in young stellar outflows. <i>Astrophysical Journal</i> , 1990, 354, 232.	4.5	53
44	Photodissociation regions and star formation in the Carina nebula. <i>Monthly Notices of the Royal Astronomical Society</i> , 2002, 331, 85-97.	4.4	50
45	Multibeam maser survey of methanol and excited OH in the Magellanic Clouds: new detections and maser abundance estimates. <i>Monthly Notices of the Royal Astronomical Society</i> , 2008, 385, 948-956.	4.4	49
46	Tropical Spiderwort (<i>Commelina benghalensis</i>): A Tropical Invader Threatens Agroecosystems of the Southern United States. <i>Weed Technology</i> , 2005, 19, 501-508.	0.9	48
47	Molecular line mapping of the giant molecular cloud associated with RCW 106 - I. ^{13}CO . <i>Monthly Notices of the Royal Astronomical Society</i> , 2006, 367, 1609-1628.	4.4	48
48	Root penetration through a high bulk density soil layer: differential response of a crop and weed species. <i>Plant and Soil</i> , 2008, 307, 179-190.	3.7	48
49	Science Programs for a 2-m Class Telescope at Dome C, Antarctica: PILOT, the Pathfinder for an International Large Optical Telescope. <i>Publications of the Astronomical Society of Australia</i> , 2005, 22, 199-235.	3.4	45
50	Antarctic site testing microthermal measurements of surface-layer seeing at the South Pole. <i>Astronomy and Astrophysics</i> , 1996, 118, 385-390.	2.1	45
51	Shocked forbidden O I 63 micron line emission from the supernova remnant IC 443. <i>Astrophysical Journal</i> , 1990, 355, 197.	4.5	45
52	The constancy of the ratio of the molecular hydrogen lines at 3.8 Å in Orion. <i>Monthly Notices of the Royal Astronomical Society</i> , 1989, 236, 929-934.	4.4	44
53	LORD OF THE RINGS: A KINEMATIC DISTANCE TO CIRCINUS X-1 FROM A GIANT X-RAY LIGHT ECHO. <i>Astrophysical Journal</i> , 2015, 806, 265.	4.5	43
54	Fluorescent molecular hydrogen line emission in the far-red. <i>Monthly Notices of the Royal Astronomical Society</i> , 1992, 257, 1P-6P.	4.4	41

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55	Astronomy in Antarctica. <i>Astronomy and Astrophysics Review</i> , 2010, 18, 417-469.	25.5	41
56	Methanol maser associated outflows: detection statistics and properties. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 444, 566-585.	4.4	41
57	The 6-GHz multibeam maser survey – II. Statistical analysis and Galactic distribution of 6668-MHz methanol masers. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 469, 1383-1402.	4.4	41
58	Molecular hydrogen line ratios in four regions of shock-excited gas. <i>Monthly Notices of the Royal Astronomical Society</i> , 1989, 236, 409-423.	4.4	40
59	Physical and chemical conditions in methanol maser selected hot cores and UCH&fii regions. <i>Monthly Notices of the Royal Astronomical Society</i> , 2009, 394, 323-339.	4.4	40
60	Mid&fii Infrared Observing Conditions at the South Pole. <i>Astrophysical Journal</i> , 2000, 535, 501-511.	4.5	39
61	The giant pillars of the Carina Nebula. <i>Astronomy and Astrophysics</i> , 2004, 418, 563-576.	5.1	38
62	Spectral imaging of the central molecular zone in multiple 7-mm molecular lines. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 433, 221-234.	4.4	38
63	Millimetre continuum observations of southern massive star formation regions – II. SCUBA observations of cold cores and the dust grain emissivity index (τ). <i>Monthly Notices of the Royal Astronomical Society</i> , 2006, 368, 1223-1268.	4.4	37
64	Cyanopolyynes in hot cores: modelling G305.2+0.2. <i>Monthly Notices of the Royal Astronomical Society</i> , 2009, 394, 221-230.	4.4	37
65	ISM gas studies towards the TeV PWN HESS J1825&fii137 and northern region. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 458, 2813-2835.	4.4	37
66	The Carina Nebula and Gum 31 molecular complex – I. Molecular gas distribution, column densities, and dust temperatures. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 456, 2406-2424.	4.4	37
67	An infrared proper motion study of the Orion bullets. <i>Monthly Notices of the Royal Astronomical Society</i> , 2000, 315, 11-20.	4.4	36
68	RCW&fii36 in the Vela Molecular Ridge: Evidence for high-mass star-cluster formation triggered by cloud&fii-cloud collision. <i>Publication of the Astronomical Society of Japan</i> , 2018, 70, .	2.5	36
69	Physical Conditions in the Photodissociation Region of NGC 2023. <i>Astrophysical Journal</i> , 1997, 478, 261-270.	4.5	36
70	High&fii-Resolution Imaging of Photodissociation Regions in NGC 6334. <i>Astrophysical Journal</i> , 2000, 542, 359-366.	4.5	35
71	Physical conditions in photodissociation regions: M17 northern bar. <i>Monthly Notices of the Royal Astronomical Society</i> , 1993, 265, 329-339.	4.4	34
72	Unlocking the Keyhole: H2 and PAH emission from molecular clumps in the Keyhole Nebula. <i>Monthly Notices of the Royal Astronomical Society</i> , 2002, 319, 95-102.	4.4	34

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73	A search for 22-GHz water masers within the giant molecular cloud associated with RCW 106. Monthly Notices of the Royal Astronomical Society, 2007, 377, 491-506.	4.4	33
74	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
75	IDENTIFICATION OF AMBIENT MOLECULAR CLOUDS ASSOCIATED WITH GALACTIC SUPERNOVA REMNANT IC 443. Astrophysical Journal, 2012, 749, 34.	4.5	32
76	A 7â€šmm 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
77	Submillimeter Site Testing at Dome C, Antarctica. Publications of the Astronomical Society of Australia, 2004, 21, 256-263.	3.4	31
78	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
79	3 to 12 millimetre studies of dense gas towards the western rim of supernova remnant RXâ€šJ1713.7â€š3946. Monthly Notices of the Royal Astronomical Society, 2012, 422, 2230-2245.	4.4	31
80	The Mopra Southern Galactic Plane CO Surveyâ€šData Release 3. Publications of the Astronomical Society of Australia, 2018, 35, .	3.4	31
81	Characterisation of the Mopra Radio Telescope at 16â€š50 GHz. Publications of the Astronomical Society of Australia, 2010, 27, 321-330.	3.4	30
82	H2O Southern Galactic Plane Survey (HOPS): Paper III â€š properties of dense molecular gas across the inner Milky Way. Monthly Notices of the Royal Astronomical Society, 2017, 470, 1462-1490.	4.4	30
83	Interstellar Extinction in the Vicinity of the Galactic Center. Astrophysical Journal, Supplement Series, 2000, 129, 123-146.	7.7	30
84	Near-IR Fluorescent Molecular Hydrogen Emission from NGC 2023. Publications of the Astronomical Society of Australia, 1998, 15, 194-201.	3.4	29
85	Shocked H2 and Fe+ dynamics in the Orion bullets. Monthly Notices of the Royal Astronomical Society, 1999, 307, 337-356.	4.4	28
86	Two Massive Starâ€šforming Regions at Early Evolutionary Stages. Astrophysical Journal, 2002, 579, 678-687.	4.5	27
87	Shocked molecular gas towards the supernova remnant G359.1-0.5 and the Snake. Monthly Notices of the Royal Astronomical Society, 2002, 331, 537-544.	4.4	26
88	Hubble Space TelescopeNICMOS Polarization Measurements of OMCâ€š1. Astrophysical Journal, 2006, 642, 339-353.	4.5	26
89	An Automated Astrophysical Observatory for Antarctica. Publications of the Astronomical Society of Australia, 1996, 13, 35-38.	3.4	25
90	12â€šmm 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

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91	Spectral imaging of the Sagittarius B2 region in multiple 7-mm molecular lines. Monthly Notices of the Royal Astronomical Society, 2011, 411, 2293-2310.	4.4	25
92	Multiline spectral imaging of dense cores in the Lupus molecular cloud. Monthly Notices of the Royal Astronomical Society, 2012, 419, 238-250.	4.4	25
93	The Mopra Southern Galactic Plane CO Survey " Data Release 1. Publications of the Astronomical Society of Australia, 2015, 32, .	3.4	25
94	MALT-45: a 7Åmm survey of the southern Galaxy " I. Techniques and spectral line data. Monthly Notices of the Royal Astronomical Society, 2015, 448, 2344-2361.	4.4	25
95	L-band (3.5 μm) IR-excess in massive star formation. Astronomy and Astrophysics, 2005, 438, 663-673.	5.1	25
96	IRIS: an Infrared Imager and Spectrometer for the Anglo-Australian Telescope. Publications of the Astronomical Society of Australia, 1993, 10, 298-309.	3.4	24
97	The Scientific Potential for Astronomy from the Antarctic Plateau: A Report prepared by the Australian Working Group for Antarctic Astronomy. Publications of the Astronomical Society of Australia, 1994, 11, 127-150.	3.4	24
98	A Molecular Line Survey of W3(OH) and W3 IRS 5 from 84.7 to 115.6 GHz: Observational Data and Analyses. Astrophysical Journal, Supplement Series, 2006, 162, 161-206.	7.7	23
99	ASTRONOMY FROM THE HIGH ANTARCTIC PLATEAU. Publications of the Korean Astronomical Society, 2015, 30, 611-616.	0.0	23
100	6.7-GHz methanol maser associated outflows: an evolutionary sequence. Monthly Notices of the Royal Astronomical Society, 2015, 449, 119-128.	4.4	22
101	L-band (3.5 μm) IR-excess in massive star formation. Astronomy and Astrophysics, 2006, 450, 253-263.	5.1	22
102	Near-infrared imaging polarimetry of bipolar nebulae - II. GL 2591. Monthly Notices of the Royal Astronomical Society, 1991, 251, 508-521.	4.4	21
103	Detection of SiO emission from a massive dense cold core. Monthly Notices of the Royal Astronomical Society: Letters, 2007, 381, L30-L34.	3.3	21
104	Physical characterization of southern massive star-forming regions using Parkes NH_3 observations. Monthly Notices of the Royal Astronomical Society, 2010, 402, 2682-2702.	4.4	21
105	Fluorescent H2 in the reflection nebula NGC 2023 – I. Recent observations. Monthly Notices of the Royal Astronomical Society, 1999, 307, 315-327.	4.4	20
106	EXTENDED CARBON LINE EMISSION IN THE GALAXY: SEARCHING FOR DARK MOLECULAR GAS ALONG THE G328 SIGHTLINE. Astrophysical Journal, 2015, 811, 13.	4.5	20
107	The structure of photodissociation regions: M17 northern bar. Monthly Notices of the Royal Astronomical Society, 1992, 256, 528-534.	4.4	19
108	Fluorescent molecular hydrogen in the Eagle nebula. Monthly Notices of the Royal Astronomical Society, 1999, 304, 98-108.	4.4	19

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109	The RMS survey: Massive young stars throughout the galaxy. Proceedings of the International Astronomical Union, 2005, 1, 370-375.	0.0	19
110	Temperature and Density in the Foot Points of the Molecular Loops in the Galactic Center; Analysis of Multi- J Transitions of ^{12}CO ($J=1\rightarrow 0$, $3\rightarrow 2$, $4\rightarrow 3$, $7\rightarrow 6$), ^{13}CO ($J=1\rightarrow 0$), and C^{18}O ($J=1\rightarrow 0$)	4.5	19
111	Near-Infrared Knots and Dense Fe Ejecta in the Cassiopeia A Supernova Remnant. Astrophysical Journal, 2017, 837, 118.	4.5	19
112	Multi-generation massive star-formation in NGC 3576. Astronomy and Astrophysics, 2009, 504, 139-159.	5.1	18
113	Dense Gas Towards the RX J1713.7-3946 Supernova Remnant. Publications of the Astronomical Society of Australia, 2013, 30, .	3.4	18
114	Spectral energy distribution modelling of southern candidate massive protostars using the Bayesian inference method. Monthly Notices of the Royal Astronomical Society, 2009, 392, 768-782.	4.4	17
115	A Spitzer Space Telescope survey of massive young stellar objects in the G333.2+0.4 giant molecular cloud. Monthly Notices of the Royal Astronomical Society, 2012, 419, 211-237.	4.4	17
116	High spectral resolution observations of fluorescent molecular hydrogen in molecular clouds. Astrophysical Journal, 1990, 352, 625.	4.5	17
117	Surprisingly high-pressure shocks in the supernova remnant IC 443. Monthly Notices of the Royal Astronomical Society, 1991, 253, 662-668.	4.4	16
118	UNSWIRF: A Tunable Imaging Spectrometer for the Near-Infrared. Publications of the Astronomical Society of Australia, 1998, 15, 228-239.	3.4	16
119	Operation of the Near Infrared Sky Monitor at the South Pole. Publications of the Astronomical Society of Australia, 2002, 19, 328-336.	3.4	16
120	Robotic telescopes on the Antarctic plateau. Astronomische Nachrichten, 2004, 325, 619-625.	1.2	16
121	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
122	INFRARED STUDIES OF MOLECULAR SHOCKS IN THE SUPERNOVA REMNANT HB21. I. THERMAL ADMIXTURE OF SHOCKED H_2 GAS IN THE NORTH. Astrophysical Journal, 2009, 693, 1883-1894.	4.5	16
123	HUBBLE SPACE TELESCOPE NICMOS POLARIZATION OBSERVATIONS OF THREE EDGE-ON MASSIVE YOUNG STELLAR OBJECTS. Astrophysical Journal, 2009, 700, 1488-1501.	4.5	16
124	Interstellar gas towards the TeV γ -ray sources HESS J1640-465 and HESS J1641-463. Monthly Notices of the Royal Astronomical Society, 2017, 464, 3757-3774.	4.4	16
125	Near-infrared [Fe ii] and H_2 Emission-line Study of Galactic Supernova Remnants in the First Quadrant. Astronomical Journal, 2019, 157, 123.	4.7	16
126	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

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127	The Carina Nebula and Gum 31 molecular complex – II. The distribution of the atomic gas revealed in unprecedented detail. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 472, 1685-1704.	4.4	15
128	Aliphatic hydrocarbon content of interstellar dust. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 479, 4336-4344.	4.4	15
129	Infrared and Submillimetre Observing Conditions on the Antarctic Plateau. <i>Publications of the Astronomical Society of Australia</i> , 2000, 17, 260-269.	3.4	14
130	Embedded stellar populations towards young massive star formation regions – I. G305.2+0.2. <i>Monthly Notices of the Royal Astronomical Society</i> , 2007, 380, 1497-1510.	4.4	14
131	Probing ISM Structure in Trumpler 14 and Carina I Using the Stratospheric Terahertz Observatory 2. <i>Astrophysical Journal</i> , 2019, 878, 120.	4.5	14
132	Radio observations of supernova remnant G1.9+0.3. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 492, 2606-2621.	4.4	14
133	Automated Shack-Hartmann seeing measurements at the South Pole. <i>Astronomy and Astrophysics</i> , 2003, 409, 1169-1173.	5.1	14
134	A Near-infrared View of SNR – Molecular Cloud Interactions. <i>Publications of the Astronomical Society of Australia</i> , 1993, 10, 327-330.	3.4	13
135	Multiwavelength observations of the supernova remnant G349.7+0.2 interacting with a molecular cloud. <i>Monthly Notices of the Royal Astronomical Society</i> , 2010, 409, 371-388.	4.4	13
136	Shocked molecular hydrogen towards the Tornado nebula. <i>Monthly Notices of the Royal Astronomical Society</i> , 2004, 354, 393-400.	4.4	12
137	Factors affecting the realized niche of common sunflower (<i>Helianthus annuus</i>) in ridge-tillage corn. <i>Weed Science</i> , 2004, 52, 779-787.	1.5	12
138	The Science Case for PILOT I: Summary and Overview. <i>Publications of the Astronomical Society of Australia</i> , 2009, 26, 379-396.	3.4	12
139	The Discovery of Hot Stars in the Vicinity of the Thermal Filaments. , 1994, , 217-222.		12
140	Velocity profiles of high-excitation molecular hydrogen lines. <i>Monthly Notices of the Royal Astronomical Society</i> , 1990, 242, 88-91.	4.4	11
141	Science Goals for Antarctic Infrared Telescopes. <i>Publications of the Astronomical Society of Australia</i> , 2001, 18, 158-165.	3.4	11
142	Formation pumping of molecular hydrogen in the Messier 17 photodissociation region. <i>Monthly Notices of the Royal Astronomical Society</i> , 2002, 333, 721-729.	4.4	11
143	IRAS 15099 – 5856: REMARKABLE MID-INFRARED SOURCE WITH PROMINENT CRYSTALLINE SILICATE EMISSION EMBEDDED IN THE SUPERNOVA REMNANT MSH15 – 5 . <i>Astrophysical Journal</i> , 2011, 732, 6.	4.5	11
144	New detections of HC ₅ N towards hot cores associated with 6.7 GHz methanol masers. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 443, 2252-2263.	4.4	11

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145	The History of Astrophysics in Antarctica. Publications of the Astronomical Society of Australia, 2005, 22, 73-90.	3.4	10
146	THE CARBON INVENTORY IN A QUIESCENT, FILAMENTARY MOLECULAR CLOUD IN G328. Astrophysical Journal, 2014, 782, 72.	4.5	10
147	HIGHLY EXCITED H ₂ IN HERBIG-HARO 7: FORMATION PUMPING IN SHOCKED MOLECULAR GAS?. Astrophysical Journal, 2016, 822, 82.	4.5	10
148	Scientific Goals of the Kunlun Infrared Sky Survey (KISS). Publications of the Astronomical Society of Australia, 2016, 33, .	3.4	10
149	A simple model for H ₂ line profiles in bow shocks. Monthly Notices of the Royal Astronomical Society, 2005, 358, 1195-1214.	4.4	9
150	Temperature Response of Benghal Dayflower (<i>Commelina benghalensis</i>): Implications for Geographic Range. Weed Science, 2008, 56, 707-713.	1.5	9
151	Observations and radiative transfer modelling of a massive dense cold core in G333. Monthly Notices of the Royal Astronomical Society, 2011, 415, 525-533.	4.4	9
152	Searching for an interstellar medium association for HESS J1534-571. Monthly Notices of the Royal Astronomical Society, 2018, 480, 134-148.	4.4	9
153	Resolved spectral variations of the centimetre-wavelength continuum from the λ Oph photodissociation region. Monthly Notices of the Royal Astronomical Society, 2021, 502, 589-600.	4.4	9
154	Molecular hydrogen line emission from the reflection nebula Parsamyan 18. Monthly Notices of the Royal Astronomical Society, 1998, 294, 338-346.	4.4	8
155	The Eye of the Tornado - an isolated, high-mass young stellar object near the Galactic Centre. Monthly Notices of the Royal Astronomical Society, 2004, 348, 638-646.	4.4	8
156	Effect of cultivation and within-field differences in soil conditions on feral <i>Helianthus annuus</i> growth in ridge-tillage maize. Soil and Tillage Research, 2006, 88, 8-15.	5.6	8
157	Infrared studies of molecular shocks in the supernova remnant HB 21: II. Thermal admixture of shocked H ₂ gas in the south. Advances in Space Research, 2010, 45, 445-459.	2.6	8
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