

# Chris J Phillips

## List of Publications by Year in descending order

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Version: 2024-02-01

92  
papers

5,064  
citations

101543

36  
h-index

88630

70  
g-index

93  
all docs

93  
docs citations

93  
times ranked

5159  
citing authors

#	ARTICLE	IF	CITATIONS
1	GASKAP-HI pilot survey science I: ASKAP zoom observations of $\text{HI}$ emission in the Small Magellanic Cloud. Publications of the Astronomical Society of Australia, 2022, 39, .	3.4	15
2	Bistatic radar observations of near-earth asteroid (163899) 2003 SD220 from the southern hemisphere. Icarus, 2021, 357, 114250.	2.5	1
3	Australian square kilometre array pathfinder: I. system description. Publications of the Astronomical Society of Australia, 2021, 38, .	3.4	128
4	The ASKAP Variables and Slow Transients (VAST) Pilot Survey. Publications of the Astronomical Society of Australia, 2021, 38, .	3.4	26
5	Detection statistics of the RadioAstron AGN survey. Advances in Space Research, 2020, 65, 705-711.	2.6	21
6	Do RadioAstron detections correlate with flaring states? An initial study of seven southern AGN. Advances in Space Research, 2020, 65, 739-744.	2.6	0
7	High time resolution and polarization properties of ASKAP-localized fast radio bursts. Monthly Notices of the Royal Astronomical Society, 2020, 497, 3335-3350.	4.4	93
8	The Rapid ASKAP Continuum Survey I: Design and first results. Publications of the Astronomical Society of Australia, 2020, 37, .	3.4	127
9	First search for low-frequency CH with a Square Kilometre Array precursor telescope. Publications of the Astronomical Society of Australia, 2020, 37, .	3.4	0
10	The Host Galaxies and Progenitors of Fast Radio Bursts Localized with the Australian Square Kilometre Array Pathfinder. Astrophysical Journal Letters, 2020, 895, L37.	8.3	113
11	A census of baryons in the Universe from localized fast radio bursts. Nature, 2020, 581, 391-395.	27.8	341
12	Measurement of the Rate Distribution of the Population of Repeating Fast Radio Bursts: Implications for Progenitor Models. Astrophysical Journal Letters, 2020, 895, L22.	8.3	8
13	Which bright fast radio bursts repeat?. Monthly Notices of the Royal Astronomical Society, 2020, 495, 2416-2427.	4.4	33
14	Spectropolarimetric Analysis of FRB 181112 at Microsecond Resolution: Implications for Fast Radio Burst Emission Mechanism. Astrophysical Journal Letters, 2020, 891, L38.	8.3	82
15	PKS 2250+351: A giant radio galaxy in Abell 3936. Publications of the Astronomical Society of Australia, 2020, 37, .	3.4	13
16	A heatwave of accretion energy traced by masers in the G358-MM1 high-mass protostar. Nature Astronomy, 2020, 4, 506-510.	10.1	44
17	An ultra-wide bandwidth (704 to 4032 MHz) receiver for the Parkes radio telescope. Publications of the Astronomical Society of Australia, 2020, 37, .	3.4	113
18	$\gamma$ -ray emission in radio galaxies under the VLBI scope. Astronomy and Astrophysics, 2020, 641, A152.	5.1	3

#	ARTICLE	IF	CITATIONS
19	Extremely band-limited repetition from a fast radio burst source. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 500, 2525-2531.	4.4	51
20	Limits on Precursor and Afterglow Radio Emission from a Fast Radio Burst in a Star-forming Galaxy. <i>Astrophysical Journal Letters</i> , 2020, 901, L20.	8.3	40
21	ASKAP detection of periodic and elliptically polarized radio pulses from UV Ceti. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 488, 559-571.	4.4	31
22	A single fast radio burst localized to a massive galaxy at cosmological distance. <i>Science</i> , 2019, 365, 565-570.	12.6	295
23	Potential kick velocity distribution of black hole X-ray binaries and implications for natal kicks. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 489, 3116-3134.	4.4	83
24	The low density and magnetization of a massive galaxy halo exposed by a fast radio burst. <i>Science</i> , 2019, 366, 231-234.	12.6	204
25	Gamma-ray emission in radio galaxies under the VLBI scope. <i>Astronomy and Astrophysics</i> , 2019, 627, A148.	5.1	23
26	WALLABY early science $\hat{v}$ . ASKAP H&E%oi imaging of the Lyon Group of Galaxies 351. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 489, 5723-5741.	4.4	24
27	The Second LBA Calibrator Survey of southern compact extragalactic radio sources $\hat{v}$ LCS2. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 485, 88-101.	4.4	26
28	Faint Repetitions from a Bright Fast Radio Burst Source. <i>Astrophysical Journal Letters</i> , 2019, 887, L30.	8.3	94
29	TANAMI: Tracking Active Galactic Nuclei with Austral Milliarcsecond Interferometry. <i>Astronomy and Astrophysics</i> , 2018, 610, A1.	5.1	9
30	Long-distance telecom-fiber transfer of a radio-frequency reference for radio astronomy. <i>Optica</i> , 2018, 5, 138.	9.3	65
31	PKS 1954 $\hat{v}$ 388: RadioAstron Detection on 80,000 km Baselines and Multiwavelength Observations. <i>Publications of the Astronomical Society of Australia</i> , 2017, 34, .	3.4	3
32	The Detection of an Extremely Bright Fast Radio Burst in a Phased Array Feed Survey. <i>Astrophysical Journal Letters</i> , 2017, 841, L12.	8.3	133
33	First Detection of Two Near $\hat{v}$ Earth Asteroids With a Southern Hemisphere Planetary Radar System. <i>Radio Science</i> , 2017, 52, 1344-1351.	1.6	4
34	The 6-GHz multibeam maser survey $\hat{v}$ 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
35	Parallaxes of 6.7-GHz methanol masers towards the G $\hat{A}$ 305.2 high-mass star formation region. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 465, 1095-1105.	4.4	23
36	Maser Emission in G 339.884 $\hat{v}$ 1.259. <i>Proceedings of the International Astronomical Union</i> , 2017, 13, 334-335.	0.0	0

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37	The TANAMI Multiwavelength Program: Dynamic spectral energy distributions of southern blazars. <i>Astronomy and Astrophysics</i> , 2016, 591, A130.	5.1	16
38	Radio and gamma-ray properties of extragalactic jets from the TANAMI sample. <i>Astronomy and Astrophysics</i> , 2016, 590, A40.	5.1	12
39	Coincidence of a high-fluence blazar outburst with a PeV-energy neutrino event. <i>Nature Physics</i> , 2016, 12, 807-814.	16.7	170
40	e-VLBI observations of GRB 080409 afterglow with an Australasian radio telescope network. <i>Research in Astronomy and Astrophysics</i> , 2016, 16, 164.	1.7	0
41	The gamma-ray emitting radio-loud narrow-line Seyfert 1 galaxy PKS 2004+447. <i>Astronomy and Astrophysics</i> , 2016, 588, A146.	5.1	23
42	A pilot ASKAP survey of radio transient events in the region around the intermittent pulsar PSR J1107+5907. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 456, 3948-3960.	4.4	23
43	High-velocity OH megamasers in IRAS 20100+4156: evidence for a supermassive black hole. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 460, 2180-2185.	4.4	10
44	H <sub>2</sub> emission and absorption in nearby, gas-rich galaxies II. Sample completion and detection of intervening absorption in NGC 5156. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 457, 2613-2641.	4.4	23
45	Dissemination of precise radio-frequency references for environmental sensing over long-haul optical-fiber networks. , 2016, , .		5
46	Discovery of H <sub>2</sub> gas in a young radio galaxy at $z = 0.44$ using the Australian Square Kilometre Array Pathfinder. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 453, 1249-1267.	4.4	61
47	ASKAP H <sub>2</sub> imaging of the galaxy group IC 1459. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 452, 2680-2691.	4.4	54
48	Limit on the ultrahigh-energy neutrino flux from lunar observations with the Parkes radio telescope. <i>Physical Review D</i> , 2015, 91, .	4.7	13
49	FIRST PARALLAX MEASUREMENTS TOWARD A 6.7 GHz METHANOL MASER WITH THE AUSTRALIAN LONG BASELINE ARRAY—DISTANCE TO G 339.884+1.259. <i>Astrophysical Journal</i> , 2015, 805, 129.	4.5	29
50	A lunar radio experiment with the Parkes radio telescope for the LUNASKA project. <i>Astroparticle Physics</i> , 2015, 65, 22-39.	4.3	15
51	ANTARES constrains a blazar origin of two IceCube PeV neutrino events. <i>Astronomy and Astrophysics</i> , 2015, 576, L8.	5.1	15
52	THE LONG BASELINE ARRAY. <i>Publications of the Korean Astronomical Society</i> , 2015, 30, 659-661.	0.0	3
53	TANAMI monitoring of Centaurus A: The complex dynamics in the inner parsec of an extragalactic jet. <i>Astronomy and Astrophysics</i> , 2014, 569, A115.	5.1	57
54	TANAMI blazars in the IceCube PeV-neutrino fields. <i>Astronomy and Astrophysics</i> , 2014, 566, L7.	5.1	46

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55	The unusual multiwavelength properties of the gamma-ray source PMN J1603-4904. <i>Astronomy and Astrophysics</i> , 2014, 562, A4.	5.1	29
56	The Australian Square Kilometre Array Pathfinder: System Architecture and Specifications of the Boolardy Engineering Test Array. <i>Publications of the Astronomical Society of Australia</i> , 2014, 31, .	3.4	91
57	Parkes full polarization spectra of OH masers – II. Galactic longitudes 240° to 350°. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 439, 1680-1739.	4.4	12
58	Parkes full polarization spectra of OH masers – I. Galactic longitudes 350° through the Galactic Centre to 41°. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 431, 1180-1219.	4.4	28
59	RADIO OBSERVATIONS OF GRB 100418a: TEST OF AN ENERGY INJECTION MODEL EXPLAINING LONG-LASTING GRB AFTERGLOWS. <i>Astrophysical Journal</i> , 2013, 779, 105.	4.5	16
60	The H <sub>2</sub> O Southern Galactic Plane Survey: NH <sub>3</sub> (1,1) and (2,2) catalogues. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 426, 1972-1991.	4.4	72
61	The first resolved imaging of milliarcsecond-scale jets in Circinus X-1. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2012, 419, L49-L53.	3.3	18
62	Global e-VLBI observations of the gamma-ray narrow line Seyfert 1 PMN J0948+0022. <i>Astronomy and Astrophysics</i> , 2011, 528, L11.	5.1	35
63	FIRST VLBI DETECTION OF THE RADIO REMNANT OF SUPERNOVA 1987A: EVIDENCE FOR SMALL-SCALE FEATURES. <i>Astrophysical Journal Letters</i> , 2011, 728, L15.	8.3	14
64	First Geodetic Observations Using New VLBI Stations ASKAP-29 and WARK12M. <i>Publications of the Astronomical Society of Australia</i> , 2011, 28, 107-116.	3.4	6
65	LUNASKA experiment observational limits on UHE neutrinos from Centaurus A and the Galactic Centre. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 410, 885-889.	4.4	29
66	The Australia Telescope 20 GHz (AT20G) Survey: analysis of the extragalactic source sample. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 412, 318-330.	4.4	76
67	The H <sub>2</sub> O Southern Galactic Plane Survey (HOPS) - I. Techniques and H <sub>2</sub> O maser data. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 416, 1764-1821.	4.4	163
68	The LBA Calibrator Survey of southern compact extragalactic radio sources - LCS1. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 414, 2528-2539.	4.4	43
69	The Australia telescope 20 GHz survey: hardware, observing strategy, and scanning survey catalog. <i>Experimental Astronomy</i> , 2011, 32, 147-177.	3.7	10
70	HOPS: The H <sub>2</sub> O Southern Galactic Plane Survey. <i>EAS Publications Series</i> , 2011, 52, 135-138.	0.3	3
71	The Commensal Real-Time ASKAP Fast-Transients (CRAFT) Survey. <i>Publications of the Astronomical Society of Australia</i> , 2010, 27, 272-282.	3.4	93
72	The Australia Telescope 20 GHz Survey: the source catalogue. <i>Monthly Notices of the Royal Astronomical Society</i> , 2010, 402, 2403-2423.	4.4	298

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73	The 6-GHz multibeam maser survey - I. Techniques. Monthly Notices of the Royal Astronomical Society, 2009, 392, 783-794.	4.4	141
74	e-VLBI observations of GHz-peaked spectrum radio sources in nearby galaxies from the AT20G survey. Monthly Notices of the Royal Astronomical Society, 2009, 397, 2030-2036.	4.4	11
75	The Statistics and Galactic Properties of the Methanol Multibeam Survey. Proceedings of the International Astronomical Union, 2009, 5, 800-800.	0.0	0
76	Use of the Long Baseline Array in Australia for Precise Geodesy and Absolute Astrometry. Publications of the Astronomical Society of Australia, 2009, 26, 75-84.	3.4	9
77	MULTIWAVELENGTH MONITORING OF THE ENIGMATIC NARROW-LINE SEYFERT 1 PMN J0948+0022 IN 2009 MARCH-JULY. Astrophysical Journal, 2009, 707, 727-737.	4.5	81
78	Science with ASKAP. Experimental Astronomy, 2008, 22, 151-273.	3.7	332
79	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
80	A Pilot Survey for the H <sub>2</sub> O Southern Galactic Plane Survey. Publications of the Astronomical Society of Australia, 2008, 25, 105-113.	3.4	33
81	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
82	Science with the Australian Square Kilometre Array Pathfinder. Publications of the Astronomical Society of Australia, 2007, 24, 174-188.	3.4	231
83	The Methanol Multibeam Survey. Proceedings of the International Astronomical Union, 2007, 3, 218-222.	0.0	0
84	VLBI OH maser polarimetry with the Australian Long Baseline Array: the star-forming region G340.054-0.244. Proceedings of the International Astronomical Union, 2007, 3, 64-65.	0.0	0
85	Very long baseline interferometry detection of an Infrared-Faint Radio Source. Monthly Notices of the Royal Astronomical Society, 2007, 378, 1434-1438.	4.4	23
86	Overview of the coordinated ground-based observations of Titan during the Huygens mission. Journal of Geophysical Research, 2006, 111, .	3.3	34
87	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
88	The properties of extragalactic radio sources selected at 20 GHz. Monthly Notices of the Royal Astronomical Society, 2006, 371, 898-914.	4.4	101
89	Crystalline Silicate Emission in the Protostellar Binary Serpens SVS 20. Astrophysical Journal, 2005, 629, 897-902.	4.5	13
90	High-Resolution Mid-Infrared Imaging of G339.88-1.26. Astrophysical Journal, 2002, 564, 327-332.	4.5	20

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91	Masers in G34.3+0.2: What more can 6.7-GHz methanol masers tell us?. Symposium - International Astronomical Union, 2002, 206, 159-162.	0.1	1
92	The EVN-MarkIV VLBI Data Processor. Experimental Astronomy, 2001, 12, 49-67.	3.7	14