

Gary A Fuller

List of Publications by Year in descending order

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100
papers

5,660
citations

76326

40
h-index

82547

72
g-index

101
all docs

101
docs citations

101
times ranked

2624
citing authors

#	ARTICLE	IF	CITATIONS
1	Dense cores in dark clouds. VIII - Velocity gradients. <i>Astrophysical Journal</i> , 1993, 406, 528.	4.5	546
2	Hi-GAL: The Herschel Infrared Galactic Plane Survey. <i>Publications of the Astronomical Society of the Pacific</i> , 2010, 122, 314-325.	3.1	440
3	The 6-GHz methanol multibeam maser catalogue - I. Galactic Centre region, longitudes 345° to 6° . <i>Monthly Notices of the Royal Astronomical Society</i> , 0, 404, 1029-1060.	4.4	219
4	Dense cores in dark clouds. VI - Shapes. <i>Astrophysical Journal</i> , 1991, 376, 561.	4.5	207
5	Dense cores in dark clouds. VII - Line width-size relations. <i>Astrophysical Journal</i> , 1992, 384, 523.	4.5	164
6	The Connection between Submillimeter Continuum Flux and Binary Separation in Young Binaries: Evidence of Interaction between Stars and Disks. <i>Astrophysical Journal</i> , 1996, 458, 312.	4.5	150
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	PRISM (Polarized Radiation Imaging and Spectroscopy Mission): an extended white paper. <i>Journal of Cosmology and Astroparticle Physics</i> , 2014, 2014, 006-006.	5.4	138
9	The 6-GHz methanol multibeam maser catalogue - II. Galactic longitudes 6° to 20° . <i>Monthly Notices of the Royal Astronomical Society</i> , 2010, 409, 913-935.	4.4	137
10	The James Clerk Maxwell Telescope Legacy Survey of Nearby Star-forming Regions in the Gould Belt. <i>Publications of the Astronomical Society of the Pacific</i> , 2007, 119, 855-870.	3.1	134
11	The Coordinated Radio and Infrared Survey for High-Mass Star Formation (The CORNISH Survey). I. Survey Design. <i>Publications of the Astronomical Society of the Pacific</i> , 2012, 124, 939-955.	3.1	128
12	The 6-GHz methanol multibeam maser catalogue - IV. Galactic longitudes 186° - 330° including the Orion-Monoceros region. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 420, 3108-3125.	4.4	128
13	The 6-GHz methanol multibeam maser catalogue - III. Galactic longitudes 330° to 345° . <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 417, 1964-1995.	4.4	123
14	THE MILLIMETER ASTRONOMY LEGACY TEAM 90 GHz (MALT90) PILOT SURVEY. <i>Astrophysical Journal</i> , Supplement Series, 2011, 197, 25.	7.7	115
15	The JCMT Gould Belt Survey: first results from the SCUBA-2 observations of the Ophiuchus molecular cloud and a virial analysis of its prestellar core population. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 450, 1094-1122.	4.4	114
16	The JCMT BISTRO Survey: The Magnetic Field Strength in the Orion A Filament. <i>Astrophysical Journal</i> , 2017, 846, 122.	4.5	103
17	Submillimeter photometry and disk masses of T Tauri disk systems. <i>Astrophysical Journal</i> , 1990, 357, 606.	4.5	100
18	On the nature of star-forming filaments - II. Subfilaments and velocities. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 455, 3640-3655.	4.4	96

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19	The formation of a quadruple star system with wide separation. <i>Nature</i> , 2015, 518, 213-215.	27.8	93
20	The 6-GHz methanol multibeam maser catalogue â€“ V. Galactic longitudes 20Â°â€“60Â°. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 450, 4109-4136.	4.4	92
21	Density structure and star formation in dense cores with thermal and nonthermal motions. <i>Astrophysical Journal</i> , 1992, 396, 631.	4.5	92
22	First Results from BISTRO: A SCUBA-2 Polarimeter Survey of the Gould Belt. <i>Astrophysical Journal</i> , 2017, 842, 66.	4.5	79
23	The JCMT Legacy Survey of the Gould Belt: a first look at Orion B with HARP. <i>Monthly Notices of the Royal Astronomical Society</i> , 2010, 401, 204-222.	4.4	72
24	THE THREE-MM ULTIMATE MOPRA MILKY WAY SURVEY. I. SURVEY OVERVIEW, INITIAL DATA RELEASES, AND FIRST RESULTS. <i>Astrophysical Journal</i> , 2015, 812, 6.	4.5	70
25	C18O and C17O Observations of Embedded Young Stars in the Taurus Molecular Cloud. I. Integrated Intensities and Column Densities. <i>Astrophysical Journal</i> , 1998, 495, 871-890.	4.5	63
26	Thermal Material in Dense Cores: A New Narrow-Line Probe and Technique of Temperature Determination. <i>Astrophysical Journal</i> , 1993, 418, 273.	4.5	62
27	A STATISTICAL STUDY OF THE MASS AND DENSITY STRUCTURE OF INFRARED DARK CLOUDS. <i>Astrophysical Journal</i> , 2010, 723, 555-562.	4.5	61
28	Thermal and nonthermal motions in dense cores. <i>Astrophysical Journal</i> , 1991, 372, L95.	4.5	60
29	A Holistic Perspective on the Dynamics of G035.39-00.33: The Interplay between Gas and Magnetic Fields. <i>Astrophysical Journal</i> , 2018, 859, 151.	4.5	57
30	STATISTICAL PROPERTIES OF 12.2 GHz METHANOL MASERS ASSOCIATED WITH A COMPLETE SAMPLE OF 6.7 GHz METHANOL MASERS. <i>Astrophysical Journal</i> , 2011, 733, 80.	4.5	54
31	The initial conditions of stellar protocluster formation â€“ II. A catalogue of starless and protostellar clumps embedded in IRDCs in the Galactic longitude range 15Â° â‰¥ l â‰¥ 55Â°. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 451, 3089-3106.	4.4	52
32	Magnetic Fields toward Ophiuchus-B Derived from SCUBA-2 Polarization Measurements. <i>Astrophysical Journal</i> , 2018, 861, 65.	4.5	51
33	The TOP-SCOPE Survey of <i>Planck</i> Galactic Cold Clumps: Survey Overview and Results of an Exemplar Source, PGCC G26.53+0.17. <i>Astrophysical Journal, Supplement Series</i> , 2018, 234, 28.	7.7	50
34	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
35	Far-infrared and submillimeter wavelength observations of star-forming dense cores. II - Images. <i>Astrophysical Journal</i> , 1991, 382, 555.	4.5	47
36	A First Look at BISTRO Observations of the \ddot{O} ph-A core. <i>Astrophysical Journal</i> , 2018, 859, 4.	4.5	46

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37	Masers associated with high-mass star formation regions in the Large Magellanic Cloud. Monthly Notices of the Royal Astronomical Society, 0, 404, 779-791.	4.4	45
38	The JCMT Legacy Survey of the Gould Belt: mapping 13CO and C18O in Orion A. Monthly Notices of the Royal Astronomical Society, 2012, 422, 521-541.	4.4	45
39	JCMT BISTRO Survey: Magnetic Fields within the Hub-filament Structure in IC 5146. Astrophysical Journal, 2019, 876, 42.	4.5	42
40	The JCMT Legacy Survey of the Gould Belt: a first look at Serpens with HARP. Monthly Notices of the Royal Astronomical Society, 2010, 409, 1412-1428.	4.4	41
41	Astrochemical Properties of Planck Cold Clumps. Astrophysical Journal, Supplement Series, 2017, 228, 12.	7.7	41
42	Massive 70 μ m quiet clumps – II. Non-thermal motions driven by gravity in massive star formation?. Monthly Notices of the Royal Astronomical Society, 2018, 473, 4975-4985.	4.4	41
43	Dense cores in dark clouds. 9: Observations of (13)CO and C(18)O in Vela, Chamaeleon, Musca, and the Coalsack. Astrophysical Journal, 1994, 433, 96.	4.5	41
44	The Direct Detection of a (Proto)Binary/Disk System in IRAS 20126+4104. Astrophysical Journal, 2005, 631, L73-L76.	4.5	40
45	THE JCMT GOULD BELT SURVEY: EVIDENCE FOR DUST GRAIN EVOLUTION IN PERSEUS STAR-FORMING CLUMPS. Astrophysical Journal, 2016, 826, 95.	4.5	40
46	The JCMT BISTRO Survey: Magnetic Fields Associated with a Network of Filaments in NGC 1333. Astrophysical Journal, 2020, 899, 28.	4.5	39
47	The JCMT Gould Belt Survey: a first look at Southern Orion A with SCUBA-2. Monthly Notices of the Royal Astronomical Society, 2016, 461, 4022-4048.	4.4	38
48	The JCMT BISTRO Survey: The Magnetic Field in the Starless Core ρ Ophiuchus C. Astrophysical Journal, 2019, 877, 43.	4.5	38
49	Magnetic Fields in the Infrared Dark Cloud G34.43+0.24. Astrophysical Journal, 2019, 883, 95.	4.5	38
50	12.2-GHz methanol maser MMB follow-up catalogue - I. Longitude range 330 $^{\circ}$ to 10 $^{\circ}$. Monthly Notices of the Royal Astronomical Society, 2012, 421, 1703-1735.	4.4	37
51	The JCMT BISTRO Survey: The Magnetic Field of the Barnard 1 Star-forming Region. Astrophysical Journal, 2019, 877, 88.	4.5	37
52	Far-infrared and submillimeter-wavelength observations of star-forming dense cores. I - Spectra. Astrophysical Journal, 1991, 366, 203.	4.5	37
53	The Infrared Nebula and Outflow in LYND 483. Astrophysical Journal, 1995, 453, 754.	4.5	37
54	ALMA Observations of Fragmentation, Substructure, and Protostars in High-mass Starless Clump Candidates. Astrophysical Journal, 2019, 886, 36.	4.5	36

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55	Feedback from OB stars on their parent cloud: gas exhaustion rather than gas ejection. <i>Astronomy and Astrophysics</i> , 2019, 628, A21.	5.1	33
56	The Evolution of the Circumstellar Environment of Embedded Young Stars from Observations of Rare Species of Carbon Monoxide. <i>Astrophysical Journal</i> , 2002, 573, 699-719.	4.5	31
57	PLANCK COLD CLUMPS IN THE Î» ORIONIS COMPLEX. I. DISCOVERY OF AN EXTREMELY YOUNG CLASS 0 PROTOSTELLAR OBJECT AND A PROTO-BROWN DWARF CANDIDATE IN THE BRIGHT-RIMMED CLUMP PGCC G192.32â€“11.88. <i>Astrophysical Journal, Supplement Series</i> , 2016, 222, 7.	7.7	31
58	Submillimeter Continuum Observations of the T Tauri Spectroscopic Binary GW Orionis. <i>Astronomical Journal</i> , 1995, 109, 2655.	4.7	29
59	Gravitational formation times and stellar mass distributions for stars of mass 0.3-30 solar masses. <i>Astrophysical Journal</i> , 1993, 402, 635.	4.5	28
60	Broadband MMIC LNAs for ALMA Band 2+3 With Noise Temperature Below 28 K. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2017, 65, 1589-1597.	4.6	27
61	Youth cohorts and political unrest in South Korea. <i>Political Geography Quarterly</i> , 1990, 9, 9-22.	0.7	26
62	The low wind expansion velocity of metal-poor carbon stars in the Halo and the Sagittarius stream. <i>Monthly Notices of the Royal Astronomical Society</i> , 2010, 403, 1331-1338.	4.4	25
63	Wideband 67âˆ“116 GHz receiver development for ALMA Band 2. <i>Astronomy and Astrophysics</i> , 2020, 634, A46.	5.1	23
64	Planck Cold Clumps in the <i>Î»</i> Orionis Complex. II. Environmental Effects on Core Formation. <i>Astrophysical Journal, Supplement Series</i> , 2018, 236, 51.	7.7	22
65	The JCMT BISTRO Survey: Revealing the Diverse Magnetic Field Morphologies in Taurus Dense Cores with Sensitive Submillimeter Polarimetry. <i>Astrophysical Journal Letters</i> , 2021, 912, L27.	8.3	21
66	An ALMA study of hub-filament systems â€“ I. On the clump mass concentration within the most massive cores. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 508, 2964-2978.	4.4	21
67	<i>Herschel</i> and SCUBA-2 observations of dust emission in a sample of <i>Planck</i> cold clumps. <i>Astronomy and Astrophysics</i> , 2018, 612, A71.	5.1	20
68	THE THREE-mm ULTIMATE MOPRA MILKY WAY SURVEY. II. CLOUD AND STAR FORMATION NEAR THE FILAMENTARY MINISTARBURST RCW 106. <i>Astrophysical Journal</i> , 2015, 812, 7.	4.5	17
69	The JCMT BISTRO Survey: Alignment between Outflows and Magnetic Fields in Dense Cores/Clumps. <i>Astrophysical Journal</i> , 2021, 907, 33.	4.5	17
70	The TMRT K band observations towards 26 infrared dark clouds: NH ₃ , CCS, and HC ₃ N. <i>Science China: Physics, Mechanics and Astronomy</i> , 2021, 64, 1.	5.1	17
71	Observations of Magnetic Fields Surrounding LkHâˆ“ 101 Taken by the BISTRO Survey with JCMT-POL-2. <i>Astrophysical Journal</i> , 2021, 908, 10.	4.5	16
72	B-fields in Star-forming Region Observations (BISTRO): Magnetic Fields in the Filamentary Structures of Serpens Main. <i>Astrophysical Journal</i> , 2022, 926, 163.	4.5	16

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73	Molecular Cloud Cores with a High Deuterium Fraction: Nobeyama Single-pointing Survey. <i>Astrophysical Journal, Supplement Series</i> , 2020, 249, 33.	7.7	15
74	Measuring Potential Ethnic Conflict in Southeast Asia. <i>Growth and Change</i> , 2000, 31, 305-331.	2.6	13
75	A PHOTOMETRICALLY AND MORPHOLOGICALLY VARIABLE INFRARED NEBULA IN L483. <i>Astronomical Journal</i> , 2009, 137, 3494-3500.	4.7	13
76	Dissecting the Supercritical Filaments Embedded in the 0.5 pc Subsonic Region of Barnard 5. <i>Astrophysical Journal</i> , 2021, 909, 60.	4.5	13
77	The JCMT BISTRO Survey: An 850/450 μ m Polarization Study of NGC 2071IR in Orion B. <i>Astrophysical Journal</i> , 2021, 918, 85.	4.5	13
78	ALMA ACA and Nobeyama Observations of Two Orion Cores in Deuterated Molecular Lines. <i>Astrophysical Journal</i> , 2020, 895, 119.	4.5	13
79	The Physical Properties of the SVS 13 Protobinary System: Two Circumstellar Disks and a Spiraling Circumbinary Disk in the Making. <i>Astrophysical Journal</i> , 2022, 930, 91.	4.5	13
80	Importance of source structure on complex organics emission. <i>Astronomy and Astrophysics</i> , 2022, 662, A67.	5.1	12
81	LOOKING THROUGH THE GALACTIC PLANE: IMAGING COLD DUST TOWARD $\alpha, \delta = 44^\circ$. <i>Astronomical Journal</i> , 2009, 138, 1380-1402.	4.7	10
82	Classification of Planetary Nebulae through Deep Transfer Learning. <i>Galaxies</i> , 2020, 8, 88.	3.0	10
83	A GaAs Ka-band (26.36 GHz) LNA for radio astronomy. , 2014, , .		9
84	Formation of the SDC13 Hub-filament System: A Cloud-Cloud Collision Imprinted on the Multiscale Magnetic Field. <i>Astrophysical Journal</i> , 2022, 931, 115.	4.5	8
85	Potential for Ethnic Conflict in China. <i>Eurasian Geography and Economics</i> , 2002, 43, 583-609.	2.6	7
86	Celestial Signals: Are Low-Noise Amplifiers the Future for Millimeter-Wave Radio Astronomy Receivers?. <i>IEEE Microwave Magazine</i> , 2017, 18, 90-99.	0.8	7
87	The JCMT Gould Belt Survey: A First Look at the Auriga-California Molecular Cloud with SCUBA-2. <i>Astrophysical Journal</i> , 2018, 852, 73.	4.5	7
88	Deuteration in infrared dark clouds. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 455, 806-819.	4.4	6
89	Molecular Cloud Cores with High Deuterium Fractions: Nobeyama Mapping Survey. <i>Astrophysical Journal, Supplement Series</i> , 2021, 256, 25.	7.7	5
90	Cryogenic low noise MMIC amplifiers for U-Band (40-60 GHz). , 2016, , .		4

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91	Independent Core Rotation in Massive Filaments in Orion. <i>Astrophysical Journal Letters</i> , 2020, 894, L20.	8.3	4
92	125 - 211 GHz low noise MMIC amplifier design for radio astronomy. <i>Experimental Astronomy</i> , 2019, 48, 137-143.	3.7	3
93	Rotation of Two Micron All Sky Survey Clumps in Molecular Clouds. <i>Astrophysical Journal</i> , 2020, 898, 122.	4.5	3
94	The W51 Main/South SFR complex seen through 6-GHz OH and methanol masers. <i>Proceedings of the International Astronomical Union</i> , 2012, 8, 171-175.	0.0	2
95	Nobeyama Survey of Inward Motions toward Cores in Orion Identified by SCUBA-2. <i>Astrophysical Journal</i> , 2022, 931, 33.	4.5	2
96	13.6 - 24 GHz LNA Design for Radio Astronomy using a Commercially Available 100 nm GaAs pHEMT Process., 2019, , .		1
97	The Distribution of UV Radiation Field in the Molecular Clouds of Gould Belt. <i>Research in Astronomy and Astrophysics</i> , 0, , .	1.7	1
98	Exploring the Nature of MMB sources: A Search for Class I Methanol Masers and their Outflows. <i>Proceedings of the International Astronomical Union</i> , 2017, 13, 317-318.	0.0	0
99	Submillimeter Continuum Variability in Planck Galactic Cold Clumps. <i>Astrophysical Journal, Supplement Series</i> , 2019, 242, 27.	7.7	0
100	The Impact of Outflows: From Low to High Mass Protostars. <i>Thirty Years of Astronomical Discovery With UKIRT</i> , 2014, , 407-411.	0.3	0