

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	Importance of source structure on complex organics emission. <i>Astronomy and Astrophysics</i> , 2022, 662, A67.	5.1	12
2	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
3	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
4	Nobeyama Survey of Inward Motions toward Cores in Orion Identified by SCUBA-2. <i>Astrophysical Journal</i> , 2022, 931, 33.	4.5	2
5	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
6	The JCMT BISTRO Survey: Alignment between Outflows and Magnetic Fields in Dense Cores/Clumps. <i>Astrophysical Journal</i> , 2021, 907, 33.	4.5	17
7	Observations of Magnetic Fields Surrounding LkH $\hat{1}$ 101 Taken by the BISTRO Survey with JCMT-POL-2. <i>Astrophysical Journal</i> , 2021, 908, 10.	4.5	16
8	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
9	The TMRT K band observations towards 26 infrared dark clouds: NH $\hat{3}$, CCS, and HC $\hat{3}$ N. <i>Science China: Physics, Mechanics and Astronomy</i> , 2021, 64, 1.	5.1	17
10	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
11	Molecular Cloud Cores with High Deuterium Fractions: Nobeyama Mapping Survey. <i>Astrophysical Journal, Supplement Series</i> , 2021, 256, 25.	7.7	5
12	An ALMA study of hub-filament systems – 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
13	The JCMT BISTRO Survey: An 850/450 $\hat{1}$ / $\hat{4}$ m Polarization Study of NGC 2071IR in Orion B. <i>Astrophysical Journal</i> , 2021, 918, 85.	4.5	13
14	Classification of Planetary Nebulae through Deep Transfer Learning. <i>Galaxies</i> , 2020, 8, 88.	3.0	10
15	Independent Core Rotation in Massive Filaments in Orion. <i>Astrophysical Journal Letters</i> , 2020, 894, L20.	8.3	4
16	Wideband 67 \hat{a} ~116 GHz receiver development for ALMA Band 2. <i>Astronomy and Astrophysics</i> , 2020, 634, A46.	5.1	23
17	ALMA ACA and Nobeyama Observations of Two Orion Cores in Deuterated Molecular Lines. <i>Astrophysical Journal</i> , 2020, 895, 119.	4.5	13
18	Rotation of Two Micron All Sky Survey Clumps in Molecular Clouds. <i>Astrophysical Journal</i> , 2020, 898, 122.	4.5	3

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19	The JCMT BISTRO Survey: Magnetic Fields Associated with a Network of Filaments in NGC 1333. <i>Astrophysical Journal</i> , 2020, 899, 28.	4.5	39
20	Molecular Cloud Cores with a High Deuterium Fraction: Nobeyama Single-pointing Survey. <i>Astrophysical Journal</i> , Supplement Series, 2020, 249, 33.	7.7	15
21	125 - 211 GHz low noise MMIC amplifier design for radio astronomy. <i>Experimental Astronomy</i> , 2019, 48, 137-143.	3.7	3
22	JCMT BISTRO Survey: Magnetic Fields within the Hub-filament Structure in IC 5146. <i>Astrophysical Journal</i> , 2019, 876, 42.	4.5	42
23	The JCMT BISTRO Survey: The Magnetic Field in the Starless Core ρ Ophiuchus C. <i>Astrophysical Journal</i> , 2019, 877, 43.	4.5	38
24	Submillimeter Continuum Variability in Planck Galactic Cold Clumps. <i>Astrophysical Journal</i> , Supplement Series, 2019, 242, 27.	7.7	0
25	The JCMT BISTRO Survey: The Magnetic Field of the Barnard 1 Star-forming Region. <i>Astrophysical Journal</i> , 2019, 877, 88.	4.5	37
26	ALMA Observations of Fragmentation, Substructure, and Protostars in High-mass Starless Clump Candidates. <i>Astrophysical Journal</i> , 2019, 886, 36.	4.5	36
27	Magnetic Fields in the Infrared Dark Cloud G34.43+0.24. <i>Astrophysical Journal</i> , 2019, 883, 95.	4.5	38
28	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
29	13.6 - 24 GHz LNA Design for Radio Astronomy using a Commercially Available 100 nm GaAs pHEMT Process. , 2019, , .		1
30	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
31	The TOP-SCOPE Survey of ρ Ophiuchus Galactic Cold Clumps: Survey Overview and Results of an Exemplar Source, PGCC G26.53+0.17. <i>Astrophysical Journal</i> , Supplement Series, 2018, 234, 28.	7.7	50
32	Planck Cold Clumps in the ρ Ophiuchus Orionis Complex. II. Environmental Effects on Core Formation. <i>Astrophysical Journal</i> , Supplement Series, 2018, 236, 51.	7.7	22
33	A First Look at BISTRO Observations of the ρ Oph-A core. <i>Astrophysical Journal</i> , 2018, 859, 4.	4.5	46
34	Massive 70 μ m quiet clumps II. Non-thermal motions driven by gravity in massive star formation?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 473, 4975-4985.	4.4	41
35	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
36	ρ Ophiuchus and SCUBA-2 observations of dust emission in a sample of ρ Ophiuchus cold clumps. <i>Astronomy and Astrophysics</i> , 2018, 612, A71.	5.1	20

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37	Magnetic Fields toward Ophiuchus-B Derived from SCUBA-2 Polarization Measurements. <i>Astrophysical Journal</i> , 2018, 861, 65.	4.5	51
38	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
39	Astrochemical Properties of Planck Cold Clumps. <i>Astrophysical Journal, Supplement Series</i> , 2017, 228, 12.	7.7	41
40	First Results from BISTRO: A SCUBA-2 Polarimeter Survey of the Gould Belt. <i>Astrophysical Journal</i> , 2017, 842, 66.	4.5	79
41	The JCMT BISTRO Survey: The Magnetic Field Strength in the Orion A Filament. <i>Astrophysical Journal</i> , 2017, 846, 122.	4.5	103
42	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
43	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
44	The JCMT Gould Belt Survey: a first look at Southern Orion A with SCUBA-2. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 461, 4022-4048.	4.4	38
45	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
46	Cryogenic low noise MMIC amplifiers for U-Band (40â€“60 GHz). , 2016, , .		4
47	THE JCMT GOULD BELT SURVEY: EVIDENCE FOR DUST GRAIN EVOLUTION IN PERSEUS STAR-FORMING CLUMPS. <i>Astrophysical Journal</i> , 2016, 826, 95.	4.5	40
48	Deuteration in infrared dark clouds. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 455, 806-819.	4.4	6
49	On the nature of star-forming filaments â€“ II. Subfilaments and velocities. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 455, 3640-3655.	4.4	96
50	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
51	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
52	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
53	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
54	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

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55	The formation of a quadruple star system with wide separation. <i>Nature</i> , 2015, 518, 213-215.	27.8	93
56	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
57	A GaAs Ka-band (26–36 GHz) LNA for radio astronomy. , 2014, , .		9
58	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
59	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
60	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
61	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
62	12.2-GHz methanol maser MMB follow-up catalogue - I. Longitude range 330° to 10° . <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 421, 1703-1735.	4.4	37
63	The JCMT Legacy Survey of the Gould Belt: mapping 13CO and C18O in Orion A. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 422, 521-541.	4.4	45
64	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
65	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
66	THE MILLIMETER ASTRONOMY LEGACY TEAM 90 GHz (MALT90) PILOT SURVEY. <i>Astrophysical Journal, Supplement Series</i> , 2011, 197, 25.	7.7	115
67	A STATISTICAL STUDY OF THE MASS AND DENSITY STRUCTURE OF INFRARED DARK CLOUDS. <i>Astrophysical Journal</i> , 2010, 723, 555-562.	4.5	61
68	The JCMT Legacy Survey of the Gould Belt: a first look at Serpens with HARP. <i>Monthly Notices of the Royal Astronomical Society</i> , 2010, 409, 1412-1428.	4.4	41
69	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
70	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
71	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
72	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

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73	A PHOTOMETRICALLY AND MORPHOLOGICALLY VARIABLE INFRARED NEBULA IN L483. <i>Astronomical Journal</i> , 2009, 137, 3494-3500.	4.7	13
74	LOOKING THROUGH THE GALACTIC PLANE: IMAGING COLD DUST TOWARD $\alpha, \delta = 44^\circ$. <i>Astronomical Journal</i> , 2009, 138, 1380-1402.	4.7	10
75	The 6-GHz multibeam maser survey - I. Techniques. <i>Monthly Notices of the Royal Astronomical Society</i> , 2009, 392, 783-794.	4.4	141
76	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
77	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
78	The Direct Detection of a (Proto)Binary/Disk System in IRAS 20126+4104. <i>Astrophysical Journal</i> , 2005, 631, L73-L76.	4.5	40
79	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
80	Potential for Ethnic Conflict in China. <i>Eurasian Geography and Economics</i> , 2002, 43, 583-609.	2.6	7
81	Measuring Potential Ethnic Conflict in Southeast Asia. <i>Growth and Change</i> , 2000, 31, 305-331.	2.6	13
82	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
83	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
84	Submillimeter Continuum Observations of the T Tauri Spectroscopic Binary GW Orionis. <i>Astronomical Journal</i> , 1995, 109, 2655.	4.7	29
85	The Infrared Nebula and Outflow in LYND 483. <i>Astrophysical Journal</i> , 1995, 453, 754.	4.5	37
86	Dense cores in dark clouds. 9: Observations of (13)CO and C(18)O in Vela, Chamaeleon, Musca, and the Coalsack. <i>Astrophysical Journal</i> , 1994, 433, 96.	4.5	41
87	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
88	Dense cores in dark clouds. VIII - Velocity gradients. <i>Astrophysical Journal</i> , 1993, 406, 528.	4.5	546
89	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
90	Dense cores in dark clouds. VII - Line width-size relations. <i>Astrophysical Journal</i> , 1992, 384, 523.	4.5	164

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91	Density structure and star formation in dense cores with thermal and nonthermal motions. <i>Astrophysical Journal</i> , 1992, 396, 631.	4.5	92
92	Far-infrared and submillimeter-wavelength observations of star-forming dense cores. I - Spectra. <i>Astrophysical Journal</i> , 1991, 366, 203.	4.5	37
93	Dense cores in dark clouds. VI - Shapes. <i>Astrophysical Journal</i> , 1991, 376, 561.	4.5	207
94	Far-infrared and submillimeter wavelength observations of star-forming dense cores. II - Images. <i>Astrophysical Journal</i> , 1991, 382, 555.	4.5	47
95	Thermal and nonthermal motions in dense cores. <i>Astrophysical Journal</i> , 1991, 372, L95.	4.5	60
96	Youth cohorts and political unrest in South Korea. <i>Political Geography Quarterly</i> , 1990, 9, 9-22.	0.7	26
97	Submillimeter photometry and disk masses of T Tauri disk systems. <i>Astrophysical Journal</i> , 1990, 357, 606.	4.5	100
98	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
99	Masers associated with high-mass star formation regions in the Large Magellanic Cloud. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, 404, 779-791.	4.4	45
100	The Distribution of UV Radiation Field in the Molecular Clouds of Gould Belt. <i>Research in Astronomy and Astrophysics</i> , 0, , .	1.7	1