

Jane Greaves

List of Publications by Year in descending order

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65
papers

2,948
citations

159585

30
h-index

175258

52
g-index

68
all docs

68
docs citations

68
times ranked

2445
citing authors

#	ARTICLE	IF	CITATIONS
1	Spiral density waves in a young protoplanetary disk. <i>Science</i> , 2016, 353, 1519-1521.	12.6	251
2	CONSTRAINTS ON THE RADIAL VARIATION OF GRAIN GROWTH IN THE AS 209 CIRCUMSTELLAR DISK. <i>Astrophysical Journal Letters</i> , 2012, 760, L17.	8.3	192
3	Phosphine gas in the cloud decks of Venus. <i>Nature Astronomy</i> , 2021, 5, 655-664.	10.1	174
4	First Observations of the Magnetic Field Geometry in Prestellar Cores. <i>Astrophysical Journal</i> , 2000, 537, L135-L138.	4.5	146
5	Resolved debris discs around A stars in the Herschel DEBRIS survey. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 428, 1263-1280.	4.4	144
6	PROTOPLANETARY DISK MASSES FROM STARS TO BROWN DWARFS. <i>Astrophysical Journal</i> , 2013, 773, 168.	4.5	103
7	GRAIN GROWTH IN THE CIRCUMSTELLAR DISKS OF THE YOUNG STARS CY Tau AND DoAr 25. <i>Astrophysical Journal</i> , 2015, 813, 41.	4.5	100
8	<i>Herschel</i> images of Fomalhaut. <i>Astronomy and Astrophysics</i> , 2012, 540, A125.	5.1	95
9	On the structure of the transition disk around TW Hydrae. <i>Astronomy and Astrophysics</i> , 2014, 564, A93.	5.1	89
10	Analysis of the Herschel DEBRIS Sun-like star sample. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 475, 3046-3064.	4.4	83
11	First Results from BISTRO: A SCUBA-2 Polarimeter Survey of the Gould Belt. <i>Astrophysical Journal</i> , 2017, 842, 66.	4.5	79
12	Swansong biospheres: refuges for life and novel microbial biospheres on terrestrial planets near the end of their habitable lifetimes. <i>International Journal of Astrobiology</i> , 2013, 12, 99-112.	1.6	69
13	The Venusian Lower Atmosphere Haze as a Depot for Desiccated Microbial Life: A Proposed Life Cycle for Persistence of the Venusian Aerial Biosphere. <i>Astrobiology</i> , 2021, 21, 1206-1223.	3.0	69
14	The Northern arc of $\hat{\mu}$ Eridani's Debris Ring as seen by ALMA. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 469, 3200-3212.	4.4	68
15	A DEBRIS disk around the planet hosting M-star GJ581 spatially resolved with <i>Herschel</i> . <i>Astronomy and Astrophysics</i> , 2012, 548, A86.	5.1	65
16	Coplanar circumbinary debris discs. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 426, 2115-2128.	4.4	63
17	THE AU MIC DEBRIS DISK: FAR-INFRARED AND SUBMILLIMETER RESOLVED IMAGING. <i>Astrophysical Journal</i> , 2015, 811, 100.	4.5	57
18	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

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19	Magnetic Fields toward Ophiuchus-B Derived from SCUBA-2 Polarization Measurements. <i>Astrophysical Journal</i> , 2018, 861, 65.	4.5	51
20	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
21	Magnetic field surrounding the starburst nucleus of the galaxy M82 from polarized dust emission. <i>Nature</i> , 2000, 404, 732-733.	27.8	49
22	Swansong biospheres II: the final signs of life on terrestrial planets near the end of their habitable lifetimes. <i>International Journal of Astrobiology</i> , 2014, 13, 229-243.	1.6	49
23	A First Look at BISTRO Observations of the ρ -Oph-A core. <i>Astrophysical Journal</i> , 2018, 859, 4.	4.5	46
24	Phosphine on Venus Cannot Be Explained by Conventional Processes. <i>Astrobiology</i> , 2021, 21, 1277-1304.	3.0	44
25	Disks Around Stars and the Growth of Planetary Systems. <i>Science</i> , 2005, 307, 68-71.	12.6	42
26	JCMT BISTRO Survey: Magnetic Fields within the Hub-filament Structure in IC 5146. <i>Astrophysical Journal</i> , 2019, 876, 42.	4.5	42
27	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
28	Detecting a rotation in the $\hat{\Lambda}$ Eridani debris disc. <i>Monthly Notices of the Royal Astronomical Society</i> , 2006, 372, 53-59.	4.4	40
29	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
30	The JCMT BISTRO Survey: The Magnetic Field in the Starless Core ρ -Ophiuchus C. <i>Astrophysical Journal</i> , 2019, 877, 43.	4.5	38
31	The JCMT BISTRO Survey: The Magnetic Field of the Barnard 1 Star-forming Region. <i>Astrophysical Journal</i> , 2019, 877, 88.	4.5	37
32	A Spitzer survey of young stellar objects in the Rosette Molecular Cloud. <i>Monthly Notices of the Royal Astronomical Society</i> , 2008, 384, 1249-1262.	4.4	34
33	Early science with the Large Millimetre Telescope: Deep LMT/AzTEC millimetre observations of μ Eridani and its surroundings. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 462, 2285-2294.	4.4	31
34	Predicting the incidence of planet and debris discs as a function of stellar mass. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2010, 409, L44-L48.	3.3	29
35	Debris discs at centimetre wavelengths: planetesimal populations in young extrasolar Kuiper belts. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2012, 423, L70-L74.	3.3	29
36	RESOLVED MULTIFREQUENCY RADIO OBSERVATIONS OF GG Tau. <i>Astrophysical Journal</i> , 2014, 787, 148.	4.5	28

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37	The Millimeter Continuum Size-Frequency Relationship in the UZ Tau E Disk. <i>Astrophysical Journal</i> , 2018, 861, 64.	4.5	27
38	Forming the first planetary systems: debris around Galactic thick disc stars. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2010, 408, L90-L94.	3.3	26
39	In Search of Future Earths: Assessing the Possibility of Finding Earth Analogues in the Later Stages of Their Habitable Lifetimes. <i>Astrobiology</i> , 2015, 15, 400-411.	3.0	25
40	Reply to: No evidence of phosphine in the atmosphere of Venus from independent analyses. <i>Nature Astronomy</i> , 2021, 5, 636-639.	10.1	24
41	Anomalous microwave emission from spinning nanodiamonds around stars. <i>Nature Astronomy</i> , 2018, 2, 662-667.	10.1	22
42	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
43	ALMA and Herschel observations of the prototype dusty and polluted white dwarf G29-38. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 444, 1821-1828.	4.4	19
44	Do all Sun-like stars have planets? Inferences from the disc mass reservoirs of Class 0 protostars. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2011, 412, L88-L92.	3.3	18
45	New constraints on the millimetre emission of six debris discs. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 468, 2719-2725.	4.4	18
46	Dust Populations in the Iconic Vega Planetary System Resolved by ALMA. <i>Astrophysical Journal</i> , 2020, 898, 146.	4.5	16
47	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
48	Low levels of sulphur dioxide contamination of Venusian phosphine spectra. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 514, 2994-3001.	4.4	10
49	Subarcsecond high-sensitivity measurements of the DG Tau jet with e-MERLIN. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2013, 436, L64-L68.	3.3	9
50	Venusian phosphine: a "wow!" signal in chemistry?. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 0, , 1-6.	1.6	8
51	The JCMT Legacy Survey of the Gould Belt: a first look at Taurus with HARP. <i>Monthly Notices of the Royal Astronomical Society</i> , 2010, , .	4.4	7
52	Submillimetre observations of the two-component magnetic field in M82. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 505, 684-688.	4.4	7
53	Constraints on the Production of Phosphine by Venusian Volcanoes. <i>Universe</i> , 2022, 8, 54.	2.5	7
54	ALMA imaging of the M-dwarf Fomalhaut's debris disc. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 504, 4497-4510.	4.4	6

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55	Only extraordinary volcanism can explain the presence of parts per billion phosphine on Venus. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	6
56	The Nearby Evolved Stars Survey II: Constructing a volume-limited sample and first results from the James Clerk Maxwell Telescope. Monthly Notices of the Royal Astronomical Society, 2022, 512, 1091-1110.	4.4	5
57	The nearby evolved stars survey “ I. JCMT/SCUBA-2 submillimetre detection of the detached shell of U Antliae. Monthly Notices of the Royal Astronomical Society, 2019, 489, 3218-3231.	4.4	4
58	Prestige Bias on Time Allocation Committees?. Research Notes of the AAS, 2018, 2, 203.	0.7	2
59	Single-dish 1-cm-band radio photometry of protoplanetary discs: few centimetre-sized dust grains?. Monthly Notices of the Royal Astronomical Society, 2022, 513, 3180-3190.	4.4	2
60	Swansong Biospheres: The biosignatures of inhabited earth-like planets nearing the end of their habitable lifetimes. Proceedings of the International Astronomical Union, 2013, 8, 378-379.	0.0	1
61	Angular momentum evolution during star and planetary system formation. Proceedings of the International Astronomical Union, 2013, 8, 210-211.	0.0	1
62	Debris Around Sun-like Stars. AIP Conference Proceedings, 2004, , .	0.4	0
63	Radio cyclotron emission from extra-solar planets. Proceedings of the International Astronomical Union, 2008, 4, 456-458.	0.0	0
64	Locating the Dust in A Star Debris Discs. Proceedings of the International Astronomical Union, 2013, 8, 330-331.	0.0	0
65	Diagnostics of circumstellar grains in geometric models I: structure and composition. Monthly Notices of the Royal Astronomical Society, 2017, , stx092.	4.4	0