

Doug Johnstone

List of Publications by Year in descending order

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85
papers

4,877
citations

101543

36
h-index

91884

69
g-index

86
all docs

86
docs citations

86
times ranked

2506
citing authors

#	ARTICLE	IF	CITATIONS
1	Gaps and Rings in an ALMA Survey of Disks in the Taurus Star-forming Region. <i>Astrophysical Journal</i> , 2018, 869, 17.	4.5	337
2	Large-Area Mapping at 850 Microns. II. Analysis of the Clump Distribution in the ρ -Ophiuchi Molecular Cloud. <i>Astrophysical Journal</i> , 2000, 545, 327-339.	4.5	301
3	The SCUBA Legacy Catalogues: Submillimeter-Continuum Objects Detected by SCUBA. <i>Astrophysical Journal</i> , Supplement Series, 2008, 175, 277-295.	7.7	300
4	JCMT/SCUBA Submillimeter Wavelength Imaging of the Integral-shaped Filament in Orion. <i>Astrophysical Journal</i> , 1999, 510, L49-L53.	4.5	248
5	YOUNG STELLAR OBJECTS IN THE GOULD BELT. <i>Astrophysical Journal</i> , Supplement Series, 2015, 220, 11.	7.7	232
6	The COMPLETE Survey of Star-Forming Regions: Phase I Data. <i>Astronomical Journal</i> , 2006, 131, 2921-2933.	4.7	227
7	The Large- and Small-scale Structures of Dust in the Star-forming Perseus Molecular Cloud. <i>Astrophysical Journal</i> , 2006, 646, 1009-1023.	4.5	180
8	Large Area Mapping at 850 Microns. III. Analysis of the Clump Distribution in the Orion B Molecular Cloud. <i>Astrophysical Journal</i> , 2001, 559, 307-317.	4.5	164
9	Externally Illuminated Young Stellar Environments in the Orion Nebula: [ITAL]Hubble[/ITAL] [ITAL]Space[/ITAL] [ITAL]Telescope[/ITAL] Planetary Camera and Ultraviolet Observations. <i>Astronomical Journal</i> , 1998, 116, 293-321.	4.7	162
10	An Extinction Threshold for Protostellar Cores in Ophiuchus. <i>Astrophysical Journal</i> , 2004, 611, L45-L48.	4.5	153
11	Compact Disks in a High-resolution ALMA Survey of Dust Structures in the Taurus Molecular Cloud. <i>Astrophysical Journal</i> , 2019, 882, 49.	4.5	139
12	Viscous Diffusion and Photoevaporation of Stellar Disks. <i>Astrophysical Journal</i> , 2003, 582, 893-904.	4.5	120
13	Current Star Formation in the Ophiuchus and Perseus Molecular Clouds: Constraints and Comparisons from Unbiased Submillimeter and Mid-Infrared Surveys. II.. <i>Astrophysical Journal</i> , 2008, 683, 822-843.	4.5	120
14	Current Star Formation in the Perseus Molecular Cloud: Constraints from Unbiased Submillimeter and Mid-Infrared Surveys. <i>Astrophysical Journal</i> , 2007, 656, 293-305.	4.5	103
15	The JCMT BISTRO Survey: The Magnetic Field Strength in the Orion A Filament. <i>Astrophysical Journal</i> , 2017, 846, 122.	4.5	103
16	The newborn planet population emerging from ring-like structures in discs. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 486, 453-461.	4.4	102
17	ALMA OBSERVATIONS OF THE ORION PROPLYDS. <i>Astrophysical Journal</i> , 2014, 784, 82.	4.5	96
18	The ice composition in the disk around V883 Ori revealed by its stellar outburst. <i>Nature Astronomy</i> , 2019, 3, 314-319.	10.1	87

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19	ASPECT RATIO DEPENDENCE OF THE FREE-FALL TIME FOR NON-SPHERICAL SYMMETRIES. <i>Astrophysical Journal</i> , 2012, 756, 145.	4.5	81
20	CONTINUUM VARIABILITY OF DEEPLY EMBEDDED PROTOSTARS AS A PROBE OF ENVELOPE STRUCTURE. <i>Astrophysical Journal</i> , 2013, 765, 133.	4.5	79
21	First Results from BISTRO: A SCUBA-2 Polarimeter Survey of the Gould Belt. <i>Astrophysical Journal</i> , 2017, 842, 66.	4.5	79
22	A Submillimeter Dust and Gas Study of the Orion B Molecular Cloud. <i>Astrophysical Journal</i> , 2001, 556, 215-229.	4.5	69
23	Large Area Mapping at 850 μ m. IV. Analysis of the Clump Distribution in the Orion B South Molecular Cloud. <i>Astrophysical Journal</i> , 2006, 639, 259-274.	4.5	62
24	Ring structure in the MWC 480 disk revealed by ALMA. <i>Astronomy and Astrophysics</i> , 2019, 622, A75.	5.1	55
25	Magnetic Fields toward Ophiuchus-B Derived from SCUBA-2 Polarization Measurements. <i>Astrophysical Journal</i> , 2018, 861, 65.	4.5	51
26	An Initial Overview of the Extent and Structure of Recent Star Formation within the Serpens Molecular Cloud Using Gaia Data Release 2. <i>Astrophysical Journal</i> , 2019, 878, 111.	4.5	47
27	A First Look at BISTRO Observations of the ρ -Oph-A core. <i>Astrophysical Journal</i> , 2018, 859, 4.	4.5	46
28	ALMA OBSERVATIONS OF A MISALIGNED BINARY PROTOPLANETARY DISK SYSTEM IN ORION. <i>Astrophysical Journal</i> , 2014, 796, 120.	4.5	44
29	The James Clerk Maxwell telescope Legacy Survey of the Gould Belt: a molecular line study of the Ophiuchus molecular cloud. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 447, 1996-2020.	4.4	42
30	How Do Stars Gain Their Mass? A JCMT/SCUBA-2 Transient Survey of Protostars in Nearby Star-forming Regions. <i>Astrophysical Journal</i> , 2017, 849, 43.	4.5	42
31	JCMT BISTRO Survey: Magnetic Fields within the Hub-filament Structure in IC 5146. <i>Astrophysical Journal</i> , 2019, 876, 42.	4.5	42
32	Quantifying Variability of Young Stellar Objects in the Mid-infrared Over 6 Years with the Near-Earth Object Wide-field Infrared Survey Explorer. <i>Astrophysical Journal</i> , 2021, 920, 132.	4.5	41
33	THE DYNAMICS OF DENSE CORES IN THE PERSEUS MOLECULAR CLOUD. II. THE RELATIONSHIP BETWEEN DENSE CORES AND THE CLOUD. <i>Astrophysical Journal</i> , 2010, 723, 457-475.	4.5	40
34	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
35	The JCMT Transient Survey: Stochastic and Secular Variability of Protostars and Disks In the Submillimeter Region Observed over 18 Months. <i>Astrophysical Journal</i> , 2018, 854, 31.	4.5	38
36	The JCMT BISTRO Survey: The Magnetic Field in the Starless Core ρ -Ophiuchus C. <i>Astrophysical Journal</i> , 2019, 877, 43.	4.5	38

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37	Magnetic Fields in the Infrared Dark Cloud G34.43+0.24. <i>Astrophysical Journal</i> , 2019, 883, 95.	4.5	38
38	The JCMT BISTRO Survey: The Magnetic Field of the Barnard 1 Star-forming Region. <i>Astrophysical Journal</i> , 2019, 877, 88.	4.5	37
39	The JCMT Transient Survey: Detection of Submillimeter Variability in a Class I Protostar EC 53 in Serpens Main. <i>Astrophysical Journal</i> , 2017, 849, 69.	4.5	36
40	Multiple Outflows and Protostars near IC 348 and the Flying Ghost Nebula. <i>Astronomical Journal</i> , 2006, 132, 467-477.	4.7	32
41	Dual-wavelength ALMA Observations of Dust Rings in Protoplanetary Disks. <i>Astrophysical Journal</i> , 2020, 898, 36.	4.5	30
42	JCMT POL-2 and BISTRO Survey Observations of Magnetic Fields in the L1689 Molecular Cloud. <i>Astrophysical Journal</i> , 2021, 907, 88.	4.5	29
43	The JCMT Transient Survey: Data Reduction and Calibration Methods. <i>Astrophysical Journal</i> , 2017, 843, 55.	4.5	27
44	On the Accuracy of the ALMA Flux Calibration in the Time Domain and across Spectral Windows. <i>Astronomical Journal</i> , 2020, 160, 270.	4.7	23
45	The relationship between mid-infrared and sub-millimetre variability of deeply embedded protostars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 495, 3614-3635.	4.4	22
46	ALMA Survey of Orion Planck Galactic Cold Clumps (ALMASOP). II. Survey Overview: A First Look at 1.3 mm Continuum Maps and Molecular Outflows. <i>Astrophysical Journal, Supplement Series</i> , 2020, 251, 20.	7.7	22
47	The JCMT Transient Survey: Four-year Summary of Monitoring the Submillimeter Variability of Protostars. <i>Astrophysical Journal</i> , 2021, 920, 119.	4.5	22
48	Mid-J CO observations of Perseus B1-East 5: evidence for turbulent dissipation via low-velocity shocks. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 445, 1508-1520.	4.4	21
49	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
50	Young Faithful: The Eruptions of EC 53 as It Cycles through Filling and Draining the Inner Disk. <i>Astrophysical Journal</i> , 2020, 903, 5.	4.5	21
51	FAUST. II. Discovery of a Secondary Outflow in IRAS 15398âˆ“3359: Variability in Outflow Direction during the Earliest Stage of Star Formation?. <i>Astrophysical Journal</i> , 2021, 910, 11.	4.5	19
52	The JCMT BISTRO Survey: The Distribution of Magnetic Field Strengths toward the OMC-1 Region. <i>Astrophysical Journal</i> , 2021, 913, 85.	4.5	19
53	The JCMT Transient Survey: Identifying Submillimeter Continuum Variability over Several Year Timescales Using Archival JCMT Gould Belt Survey Observations. <i>Astrophysical Journal</i> , 2017, 849, 107.	4.5	18
54	ALMA Survey of Orion Planck Galactic Cold Clumps (ALMASOP). I. Detection of New Hot Corinos with the ACA. <i>Astrophysical Journal</i> , 2020, 898, 107.	4.5	18

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55	The JCMT BISTRO Survey: Alignment between Outflows and Magnetic Fields in Dense Cores/Clumps. <i>Astrophysical Journal</i> , 2021, 907, 33.	4.5	17
56	Radiative Transfer Modeling of EC 53: An Episodically Accreting Class I Young Stellar Object. <i>Astrophysical Journal</i> , 2020, 895, 27.	4.5	17
57	Observational signatures of outbursting protostars – II. Exploring a wide range of eruptive protostars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 487, 4465-4472.	4.4	16
58	The JCMT Transient Survey: An Extraordinary Submillimeter Flare in the T Tauri Binary System JW 566. <i>Astrophysical Journal</i> , 2019, 871, 72.	4.5	16
59	ALMA Survey of Orion Planck Galactic Cold Clumps (ALMASOP): Detection of Extremely High-density Compact Structure of Prestellar Cores and Multiple Substructures Within. <i>Astrophysical Journal Letters</i> , 2021, 907, L15.	8.3	16
60	Observations of Magnetic Fields Surrounding LkH101 Taken by the BISTRO Survey with JCMT-POL-2. <i>Astrophysical Journal</i> , 2021, 908, 10.	4.5	16
61	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
62	ALMA Survey of Orion Planck Galactic Cold Clumps (ALMASOP): A Hot Corino Survey toward Protostellar Cores in the Orion Cloud. <i>Astrophysical Journal</i> , 2022, 927, 218.	4.5	16
63	The origin of ionized filaments within the Orion–Eridanus superbubble. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 441, 1095-1104.	4.4	14
64	ALMA OBSERVATIONS OF THE LARGEST PROTO-PLANETARY DISK IN THE ORION NEBULA, 114–426: A CO SILHOUETTE. <i>Astrophysical Journal</i> , 2015, 808, 69.	4.5	14
65	Observational signatures of outbursting protostars - I: From hydrodynamic simulations to observations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 487, 5106-5117.	4.4	14
66	The Circumstellar Environment around the Embedded Protostar EC 53. <i>Astrophysical Journal</i> , 2020, 889, 20.	4.5	14
67	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
68	FILAMENTARY STAR FORMATION: OBSERVING THE EVOLUTION TOWARD FLATTENED ENVELOPES. <i>Astrophysical Journal</i> , 2012, 761, 171.	4.5	11
69	The JCMT Gould Belt Survey: SCUBA-2 Data Reduction Methods and Gaussian Source Recovery Analysis. <i>Astrophysical Journal, Supplement Series</i> , 2018, 238, 8.	7.7	11
70	Dissecting the Different Components of the Modest Accretion Bursts of the Very Young Protostar HOPS 373. <i>Astrophysical Journal</i> , 2022, 929, 60.	4.5	10
71	Two Rings and a Marginally Resolved, 5 au Disk around LkCa 15 Identified via Near-infrared Sparse Aperture Masking Interferometry. <i>Astrophysical Journal</i> , 2022, 931, 3.	4.5	10
72	Identifying Variability in Deeply Embedded Protostars with ALMA and CARMA. <i>Astrophysical Journal</i> , 2019, 871, 149.	4.5	9

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73	AGB Interlopers in YSO Catalogs Hunted out by NEOWISE. <i>Astrophysical Journal Letters</i> , 2021, 916, L20.	8.3	8
74	Steady Wind-blown Cavities within Infalling Rotating Envelopes: Application to the Broad Velocity Component in Young Protostars. <i>Astrophysical Journal</i> , 2020, 900, 15.	4.5	7
75	Misaligned Rotations of the Envelope, Outflow, and Disks in the Multiple Protostellar System of VLA 1623-2417: FAUST. III. <i>Astrophysical Journal</i> , 2022, 927, 54.	4.5	7
76	ALMA Survey of Orion Planck Galactic Cold Clumps (ALMASOP): Deriving Inclination Angle and Velocity of the Protostellar Jets from Their SiO Knots. <i>Astrophysical Journal Letters</i> , 2022, 931, L5.	8.3	7
77	The JCMT BISTRO-2 Survey: The Magnetic Field in the Center of the Rosette Molecular Cloud. <i>Astrophysical Journal</i> , 2021, 913, 57.	4.5	6
78	ALMA Survey of Orion Planck Galactic Cold Clumps (ALMASOP): Detection of a Dense SiO Jet in the Evolved Protostellar Phase. <i>Astrophysical Journal</i> , 2022, 925, 11.	4.5	6
79	ALMA Survey of Orion Planck Galactic Cold Clumps (ALMASOP): Evidence for a Molecular Jet Launched at an Unprecedented Early Phase of Protostellar Evolution. <i>Astrophysical Journal</i> , 2022, 931, 130.	4.5	6
80	Two-component Magnetic Field along the Line of Sight to the Perseus Molecular Cloud: Contribution of the Foreground Taurus Molecular Cloud. <i>Astrophysical Journal</i> , 2021, 914, 122.	4.5	5
81	The JCMT BISTRO Survey: Evidence for Pinched Magnetic Fields in Quiescent Filaments of NGC 1333. <i>Astrophysical Journal Letters</i> , 2021, 923, L9.	8.3	4
82	ALMA Survey of Orion Planck Galactic Cold Clumps (ALMASOP): How Do Dense Core Properties Affect the Multiplicity of Protostars?. <i>Astrophysical Journal</i> , 2022, 931, 158.	4.5	4
83	ALMA Observations of Asymmetric Molecular Gas Emission from a Protoplanetary Disk in the Orion Nebula. <i>Astronomical Journal</i> , 2017, 153, 233.	4.7	3
84	Constraining How Star Formation Proceeds: Surveys in the Sub-mm and FIR. <i>Proceedings of the International Astronomical Union</i> , 2009, 5, 406-407.	0.0	0
85	Submillimeter Continuum Variability in Planck Galactic Cold Clumps. <i>Astrophysical Journal, Supplement Series</i> , 2019, 242, 27.	7.7	0