

# Steve Mairs

## List of Publications by Year in descending order

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Version: 2024-02-01

39  
papers

1,012  
citations

361413

20  
h-index

434195

31  
g-index

40  
all docs

40  
docs citations

40  
times ranked

1044  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	Observations of Magnetic Fields Surrounding LkH $\hat{\pm}$ 101 Taken by the BISTRO Survey with JCMT-POL-2. <i>Astrophysical Journal</i> , 2021, 908, 10.	4.5	16
4	The CARMA-NRO Orion Surveyâ€™Data Release. <i>Research Notes of the AAS</i> , 2021, 5, 55.	0.7	2
5	The Core Mass Function in the Orion Nebula Cluster Region: What Determines the Final Stellar Masses?. <i>Astrophysical Journal Letters</i> , 2021, 910, L6.	8.3	15
6	High-resolution CARMA Observation of Molecular Gas in the North America and Pelican Nebulae. <i>Astronomical Journal</i> , 2021, 161, 229.	4.7	2
7	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
8	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
9	The JCMT BISTRO Survey: An 850/450 $\hat{\pm}$ 4m Polarization Study of NGC 2071IR in Orion B. <i>Astrophysical Journal</i> , 2021, 918, 85.	4.5	13
10	The CARMA-NRO Orion Survey: Filament Formation via Collision-induced Magnetic Reconnectionâ€™the Stick in Orion A. <i>Astrophysical Journal</i> , 2021, 906, 80.	4.5	6
11	A Decade of SCUBA-2: A Comprehensive Guide to Calibrating 450 $\hat{\pm}$ 4m and 850 $\hat{\pm}$ 4m Continuum Data at the JCMT. <i>Astronomical Journal</i> , 2021, 162, 191.	4.7	22
12	The JCMT Transient Survey: Four-year Summary of Monitoring the Submillimeter Variability of Protostars. <i>Astrophysical Journal</i> , 2021, 920, 119.	4.5	22
13	The HASHTAG Project: The First Submillimeter Images of the Andromeda Galaxy from the Ground. <i>Astrophysical Journal, Supplement Series</i> , 2021, 257, 52.	7.7	5
14	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
15	Betelgeuse Fainter in the Submillimeter Too: An Analysis of JCMT and APEX Monitoring during the Recent Optical Minimum. <i>Astrophysical Journal Letters</i> , 2020, 897, L9.	8.3	31
16	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
17	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
18	JCMT BISTRO Survey: Magnetic Fields within the Hub-filament Structure in IC 5146. <i>Astrophysical Journal</i> , 2019, 876, 42.	4.5	42

#	ARTICLE	IF	CITATIONS
19	The JCMT BISTRO Survey: The Magnetic Field in the Starless Core $\rho$ Ophiuchus C. <i>Astrophysical Journal</i> , 2019, 877, 43.	4.5	38
20	The CARMA-NRO Orion Survey: Core Emergence and Kinematics in the Orion A Cloud. <i>Astrophysical Journal</i> , 2019, 882, 45.	4.5	6
21	Submillimeter Continuum Variability in Planck Galactic Cold Clumps. <i>Astrophysical Journal, Supplement Series</i> , 2019, 242, 27.	7.7	0
22	The CARMA-NRO Orion Survey. <i>Astronomy and Astrophysics</i> , 2019, 623, A142.	5.1	45
23	The JCMT BISTRO Survey: The Magnetic Field of the Barnard 1 Star-forming Region. <i>Astrophysical Journal</i> , 2019, 877, 88.	4.5	37
24	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
25	Identifying Variability in Deeply Embedded Protostars with ALMA and CARMA. <i>Astrophysical Journal</i> , 2019, 871, 149.	4.5	9
26	Magnetic Fields in the Infrared Dark Cloud G34.43+0.24. <i>Astrophysical Journal</i> , 2019, 883, 95.	4.5	38
27	The TOP-SCOPE Survey of $\rho$ Ophiuchus 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
28	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
29	A First Look at BISTRO Observations of the $\rho$ Oph-A core. <i>Astrophysical Journal</i> , 2018, 859, 4.	4.5	46
30	The CARMA-NRO Orion Survey. <i>Astrophysical Journal, Supplement Series</i> , 2018, 236, 25.	7.7	64
31	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
32	Magnetic Fields toward Ophiuchus-B Derived from SCUBA-2 Polarization Measurements. <i>Astrophysical Journal</i> , 2018, 861, 65.	4.5	51
33	First Results from BISTRO: A SCUBA-2 Polarimeter Survey of the Gould Belt. <i>Astrophysical Journal</i> , 2017, 842, 66.	4.5	79
34	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
35	The JCMT Transient Survey: Data Reduction and Calibration Methods. <i>Astrophysical Journal</i> , 2017, 843, 55.	4.5	27
36	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

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37	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
38	THE ERUPTION OF THE CANDIDATE YOUNG STAR ASASSN-15QI. <i>Astrophysical Journal</i> , 2016, 831, 133.	4.5	20
39	SYNTHETIC OBSERVATIONS OF THE EVOLUTION OF STARLESS CORES IN A MOLECULAR CLOUD SIMULATION: COMPARISONS WITH JCMT DATA AND PREDICTIONS FOR ALMA. <i>Astrophysical Journal</i> , 2014, 783, 60.	4.5	17