

# Tyler L Bourke

## List of Publications by Year in descending order

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38  
papers

2,034  
citations

304743

22  
h-index

315739

38  
g-index

39  
all docs

39  
docs citations

39  
times ranked

1611  
citing authors

#	ARTICLE	IF	CITATIONS
1	From Molecular Cores to Planet-forming Disks: An SIRTFLegacy Program. Publications of the Astronomical Society of the Pacific, 2003, 115, 965-980.	3.1	430
2	Identifying the Low-Luminosity Population of Embedded Protostars in the c2d Observations of Clouds and Cores. Astrophysical Journal, Supplement Series, 2008, 179, 249-282.	7.7	230
3	A "Starless" Core that Isn't: Detection of a Source in the L1014 Dense Core with the Spitzer Space Telescope. Astrophysical Journal, Supplement Series, 2004, 154, 396-401.	7.7	146
4	New OH Zeeman Measurements of Magnetic Field Strengths in Molecular Clouds. Astrophysical Journal, 2001, 554, 916-932.	4.5	127
5	SMA OBSERVATIONS OF CLASS 0 PROTOSTARS: A HIGH ANGULAR RESOLUTION SURVEY OF PROTOSTELLAR BINARY SYSTEMS. Astrophysical Journal, 2013, 768, 110.	4.5	123
6	Discovery of a Highly Collimated Molecular Outflow in the Southern Bok Globule BHR 71. Astrophysical Journal, 1997, 476, 781-800.	4.5	108
7	ROTATION AND OUTFLOW MOTIONS IN THE VERY LOW-MASS CLASS 0 PROTOSTELLAR SYSTEM HH 211 AT SUBARCSECOND RESOLUTION. Astrophysical Journal, 2009, 699, 1584-1594.	4.5	87
8	X-Ray and Infrared Point Source Identification and Characteristics in the Embedded, Massive Star-Forming Region RCW 38. Astronomical Journal, 2006, 132, 1100-1125.	4.7	60
9	MISALIGNMENT OF OUTFLOW AXES IN THE PROTO-MULTIPLE SYSTEMS IN PERSEUS. Astrophysical Journal Letters, 2016, 820, L2.	8.3	60
10	Alignment between Protostellar Outflows and Filamentary Structure. Astrophysical Journal, 2017, 846, 16.	4.5	47
11	SHARC-II Mapping of Spitzer c2d Small Clouds and Cores. Astronomical Journal, 2007, 133, 1560-1584.	4.7	43
12	The Central 1000 au of a Pre-stellar Core Revealed with ALMA. I. 1.3 mm Continuum Observations. Astrophysical Journal, 2019, 874, 89.	4.5	43
13	THE SPITZER c2d SURVEY OF NEARBY DENSE CORES. IX. DISCOVERY OF A VERY LOW LUMINOSITY OBJECT DRIVING A MOLECULAR OUTFLOW IN THE DENSE CORE L673-7. Astrophysical Journal, 2010, 721, 995-1013.	4.5	41
14	Magnetism Science with the Square Kilometre Array. Galaxies, 2020, 8, 53.	3.0	41
15	Protostellar accretion traced with chemistry. Astronomy and Astrophysics, 2017, 602, A120.	5.1	39
16	IRAS 11590-6452 in BHR 71: A Binary Protostellar System?. Astrophysical Journal, 2001, 554, L91-L94.	4.5	38
17	Hierarchical Fragmentation in the Perseus Molecular Cloud: From the Cloud Scale to Protostellar Objects. Astrophysical Journal, 2018, 853, 5.	4.5	37
18	The Central 1000 au of a Prestellar Core Revealed with ALMA. II. Almost Complete Freeze-out. Astrophysical Journal, 2022, 929, 13.	4.5	34

#	ARTICLE	IF	CITATIONS
19	Mass Assembly of Stellar Systems and Their Evolution with the SMA (MASSES)â€™ 1.3 mm Subcompact Data Release. <i>Astrophysical Journal, Supplement Series</i> , 2018, 237, 22.	7.7	29
20	Understanding the Origin of the Magnetic Field Morphology in the Wide-binary Protostellar System BHR 71. <i>Astrophysical Journal</i> , 2020, 892, 152.	4.5	29
21	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
22	REVEALING THE MILLIMETER ENVIRONMENT OF THE NEW FU ORIONIS CANDIDATE HBC722 WITH THE SUBMILLIMETER ARRAY. <i>Astrophysical Journal</i> , 2012, 755, 157.	4.5	23
23	The Formation Conditions of the Wide Binary Class 0 Protostars within BHR 71. <i>Astrophysical Journal</i> , 2019, 870, 81.	4.5	22
24	The JCMT Transient Survey: Four-year Summary of Monitoring the Submillimeter Variability of Protostars. <i>Astrophysical Journal</i> , 2021, 920, 119.	4.5	22
25	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
26	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
27	Mass Assembly of Stellar Systems and Their Evolution with the SMA (MASSES)â€™ Full Data Release. <i>Astrophysical Journal, Supplement Series</i> , 2019, 245, 21.	7.7	18
28	Mid-infrared imaging and spectroscopy of the southern Hii region RCW 38. <i>Monthly Notices of the Royal Astronomical Society</i> , 1999, 303, 367-379.	4.4	17
29	Observations of Magnetic Fields Surrounding LkHâ€± 101 Taken by the BISTRO Survey with JCMT-POL-2. <i>Astrophysical Journal</i> , 2021, 908, 10.	4.5	16
30	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
31	The JCMT BISTRO Survey: An 850/450 $\frac{1}{4}$ m Polarization Study of NGC 2071IR in Orion B. <i>Astrophysical Journal</i> , 2021, 918, 85.	4.5	13
32	Magnetic Field Structure in Spheroidal Star-forming Clouds. II. Estimating Field Structure from Observed Maps. <i>Astrophysical Journal</i> , 2020, 896, 163.	4.5	8
33	Evolution and Kinematics of Protostellar Envelopes in the Perseus Molecular Cloud. <i>Astrophysical Journal</i> , 2022, 927, 88.	4.5	4
34	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
35	A low-frequency pilot survey of southern H&#x2013; regions in the vela constellation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 510, 593-610.	4.4	3
36	Effects of Magnetic Field Orientations in Dense Cores on Gas Kinematics in Protostellar Envelopes. <i>Astrophysical Journal</i> , 2022, 930, 67.	4.5	3

#	ARTICLE	IF	CITATIONS
37	The Twisted Magnetic Field of the Protobinary L483. <i>Astrophysical Journal</i> , 2022, 932, 34.	4.5	3
38	Detection of a Disk Surrounding the Variably Accreting Young Star HBC722. <i>Research Notes of the AAS</i> , 2020, 4, 155.	0.7	1