Sarah I Sadavoy

List of Publications by Year
in descending order

63 papers	2,425 citations	147801 31 h-index	206112 48 g-index
64 all docs	64 docs citations	64 times ranked	1621 citing authors

#	Article	IF	Citations
1	THE VLA NASCENT DISK AND MULTIPLICITY SURVEY OF PERSEUS PROTOSTARS (VANDAM). II. MULTIPLICITY OF PROTOSTARS IN THE PERSEUS MOLECULAR CLOUD. Astrophysical Journal, 2016, 818, 73.	4.5	201
2	A triple protostar system formed via fragmentation of a gravitationally unstable disk. Nature, 2016, 538, 483-486.	27.8	188
3	The VLA/ALMA Nascent Disk and Multiplicity (VANDAM) Survey of Orion Protostars. II. A Statistical Characterization of Class 0 and Class I Protostellar Disks. Astrophysical Journal, 2020, 890, 130.	4.5	170
4	The JCMT BISTRO Survey: The Magnetic Field Strength in the Orion A Filament. Astrophysical Journal, 2017, 846, 122.	4.5	103
5	The VLA Nascent Disk and Multiplicity Survey of Perseus Protostars (VANDAM). IV. Freeâ€“Free Emission from Protostars: Links to Infrared Properties, Outflow Tracers, and Protostellar Disk Masses. Astrophysical Journal, Supplement Series, 2018, 238, 19.	7.7	103
6	THE MASS DISTRIBUTION OF STARLESS AND PROTOSTELLAR CORES IN GOULD BELT CLOUDS. Astrophysical Journal, 2010, 710, 1247-1270.	4.5	90
7	First Results from BISTRO: A SCUBA-2 Polarimeter Survey of the Gould Belt. Astrophysical Journal, 2017, 842, 66.	4.5	79
8	The VLA Nascent Disk and Multiplicity Survey of Perseus Protostars (VANDAM). V. 18 Candidate Disks around Class 0 and I Protostars in the Perseus Molecular Cloud. Astrophysical Journal, 2018, 866, 161.	4.5	58
9	Dust Polarization toward Embedded Protostars in Ophiuchus with ALMA. I. VLA 1623. Astrophysical Journal, 2018, 859, 165.	4.5	57
10	The VLA/ALMA Nascent Disk and Multiplicity (VANDAM) Survey of Perseus Protostars. VI. Characterizing the Formation Mechanism for Close Multiple Systems. Astrophysical Journal, 2018, 867, 43.	4.5	52
11	Magnetic Fields toward Ophiuchus-B Derived from SCUBA-2 Polarization Measurements. Astrophysical Journal, 2018, 861, 65.	4.5	51
12	THE VLA NASCENT DISK AND MULTIPLICITY SURVEY: FIRST LOOK AT RESOLVED CANDIDATE DISKS AROUND CLASS 0 AND I PROTOSTARS IN THE PERSEUS MOLECULAR CLOUD. Astrophysical Journal Letters, 2016, 817, L14.	8.3	49
13	HIGH-RESOLUTION 8 mm AND 1 cm POLARIZATION OF IRAS 4A FROM THE VLA NASCENT DISK AND MULTIPLICITY (VANDAM) SURVEY. Astrophysical Journal Letters, 2015, 814, L28.	8.3	48
14	Alignment between Protostellar Outflows and Filamentary Structure. Astrophysical Journal, 2017, 846, 16.	4.5	47
15	ALMA Observations of Polarized 872 Î¼m Dust Emission from the Protostellar Systems VLA 1623 and L1527. Astrophysical Journal, 2018, 861, 91.	4.5	47
16	A First Look at BISTRO Observations of the Ï•Oph-A core. Astrophysical Journal, 2018, 859, 4.	4.5	46
17	THE VLA NASCENT DISK AND MULTIPLICITY (VANDAM) SURVEY OF PERSEUS PROTOSTARS. RESOLVING THE SUB-ARCSECOND BINARY SYSTEM IN NGC 1333 IRAS2A. Astrophysical Journal, 2015, 798, 61.	4.5	44
18	AN ALMA SEARCH FOR SUBSTRUCTURE, FRAGMENTATION, AND HIDDEN PROTOSTARS IN STARLESS CORES IN CHAMAELEON I. Astrophysical Journal, 2016, 823, 160.	4.5	44

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19	Dust Polarization toward Embedded Protostars in Ophiuchus with ALMA. III. Survey Overview. Astrophysical Journal, Supplement Series, 2019, 245, 2.	7.7	44
20	The James Clerk Maxwell telescope Legacy Survey of the Gould Belt: a molecular line study of the Ophiuchus molecular cloud. Monthly Notices of the Royal Astronomical Society, 2015, 447, 1996-2020.	4.4	42
21	JCMT BISTRO Survey: Magnetic Fields within the Hub-filament Structure in IC 5146. Astrophysical Journal, 2019, 876, 42.	4.5	42
22	Dust Polarization toward Embedded Protostars in Ophiuchus with ALMA. II. IRAS 16293-2422. Astrophysical Journal, 2018, 869, 115.	4.5	41
23	JCMT BISTRO Survey Observations of the Ophiuchus Molecular Cloud: Dust Grain Alignment Properties Inferred Using a Ricean Noise Model. Astrophysical Journal, 2019, 880, 27.	4.5	40
24	The JCMT BISTRO Survey: Magnetic Fields Associated with a Network of Filaments in NGC 1333. Astrophysical Journal, 2020, 899, 28.	4.5	39
25	The JCMT BISTRO Survey: The Magnetic Field in the Starless Core <i>Ï</i> Ophiuchus C. Astrophysical Journal, 2019, 877, 43.	4.5	38
26	Hierarchical Fragmentation in the Perseus Molecular Cloud: From the Cloud Scale to Protostellar Objects. Astrophysical Journal, 2018, 853, 5.	4.5	37
27	The JCMT BISTRO Survey: The Magnetic Field of the Barnard 1 Star-forming Region. Astrophysical Journal, 2019, 877, 88.	4.5	37
28	Evidence for large grains in the star-forming filament OMC 2/3. Monthly Notices of the Royal Astronomical Society, 2014, 444, 2303-2312.	4.4	34
29	MASS ASSEMBLY OF STELLAR SYSTEMS AND THEIR EVOLUTION WITH THE SMA (MASSES). MULTIPLICITY AND THE PHYSICAL ENVIRONMENT IN L1448N. Astrophysical Journal, 2015, 814, 114.	4.5	34
30	Zooming in on Individual Star Formation: Low- and High-Mass Stars. Space Science Reviews, 2020, 216, 1.	8.1	33
31	HOW STARLESS ARE STARLESS CORES?. Astrophysical Journal, 2012, 745, 18.	4.5	32
32	ALMA Observations of Starless Core Substructure in Ophiuchus. Astrophysical Journal, 2017, 838, 114.	4.5	32
33	Mass Assembly of Stellar Systems and Their Evolution with the SMA (MASSES)â€”1.3 mm Subcompact Data Release. Astrophysical Journal, Supplement Series, 2018, 237, 22.	7.7	29
34	JCMT POL-2 and BISTRO Survey Observations of Magnetic Fields in the L1689 Molecular Cloud. Astrophysical Journal, 2021, 907, 88.	4.5	29
35	Embedded binaries and their dense cores. Monthly Notices of the Royal Astronomical Society, 2017, 469, 3881-3900.	4.4	27
36	THE JCMT GOULD BELT SURVEY: DENSE CORE CLUSTERS IN ORION A. Astrophysical Journal, 2016, 833, 44.	4.5	25

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37	The VLA/ALMA Nascent Disk and Multiplicity (VANDAM) Survey of Orion Protostars. I. Identifying and Characterizing the Protostellar Content of the OMC-2 FIR4 and OMC-2 FIR3 Regions. Astrophysical Journal, 2019, 886, 6.	4.5	22
38	The JCMT BISTRO Survey: Revealing the Diverse Magnetic Field Morphologies in Taurus Dense Cores with Sensitive Submillimeter Polarimetry. Astrophysical Journal Letters, 2021, 912, L27.	8.3	21
39	The JCMT BISTRO Survey: The Distribution of Magnetic Field Strengths toward the OMC-1 Region. Astrophysical Journal, 2021, 913, 85.	4.5	19
40	The VLA/ALMA Nascent Disk And Multiplicity (VANDAM) Survey of Orion Protostars. V. A Characterization of Protostellar Multiplicity. Astrophysical Journal, 2022, 925, 39.	4.5	19
41	An Estimation of the Star Formation Rate in the Perseus Complex. Astronomical Journal, 2017, 153, 214.	4.7	18
42	Mass Assembly of Stellar Systems and Their Evolution with the SMA (MASSES)â€"Full Data Release. Astrophysical Journal, Supplement Series, 2019, 245, 21.	7.7	18
43	The JCMT BISTRO Survey: Alignment between Outflows and Magnetic Fields in Dense Cores/Clumps. Astrophysical Journal, 2021, 907, 33.	4.5	17
44	The VLA Nascent Disk And Multiplicity Survey of Perseus Protostars (VANDAM). III. Extended Radio Emission from Protostars in Perseus. Astrophysical Journal, 2018, 852, 18.	4.5	16
45	Detection of Irregular, Submillimeter Opaque Structures in the Orion Molecular Clouds: Protostars within 10,000 yr of Formation?. Astrophysical Journal, 2020, 890, 129.	4.5	16
46	B-fields in Star-forming Region Observations (BISTRO): Magnetic Fields in the Filamentary Structures of Serpens Main. Astrophysical Journal, 2022, 926, 163.	4.5	16
47	Herschel Gould Belt Survey Observations of Dense Cores in the Cepheus Flare Clouds. Astrophysical Journal, 2020, 904, 172.	4.5	14
48	Kinematic Analysis of a Protostellar Multiple System: Measuring the Protostar Masses and Assessing Gravitational Instability in the Disks of L1448 IRS3B and L1448 IRS3A. Astrophysical Journal Letters, 2021, 907, L10.	8.3	13
49	The JCMT BISTRO Survey: An 850/450 Î¼m Polarization Study of NGC 2071IR in Orion B. Astrophysical Journal, 2021, 918, 85.	4.5	13
50	The VLA/ALMA Nascent Disk and Multiplicity (VANDAM) Survey of Orion Protostars. IV. Unveiling the Embedded Intermediate-Mass Protostar and Disk within OMC2-FIR3/HOPS-370. Astrophysical Journal, 2020, 905, 162.	4.5	13
51	Intensity-corrected Herschel Observations of Nearby Isolated Low-mass Clouds*. Astrophysical Journal, 2018, 852, 102.	4.5	12
52	The JCMT Gould Belt Survey: SCUBA-2 Data Reduction Methods and Gaussian Source Recovery Analysis. Astrophysical Journal, Supplement Series, 2018, 238, 8.	7.7	11
53	870 Î¼m Dust Continuum of the Youngest Protostars in Ophiuchus. Astrophysical Journal, 2021, 913, 149.	4.5	8
54	Confirmation of Enhanced Long-wavelength Dust Emission in OMC 2/3. Astrophysical Journal, 2020, 893, 13.	4.5	8

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55	Constraining the Dust Opacity Law in Three Small and Isolated Molecular Clouds. Astrophysical Journal, 2017, 849, 13.	4.5	7
56	The JCMT BISTRO Survey: multiwavelength polarimetry of bright regions in NGC 2071 in the far-infrared/submillimetre range, with POL-2 and HAWC+. Monthly Notices of the Royal Astronomical Society, 2022, 512, 1985-2002.	4.4	7
57	Two-component Magnetic Field along the Line of Sight to the Perseus Molecular Cloud: Contribution of the Foreground Taurus Molecular Cloud. Astrophysical Journal, 2021, 914, 122.	4.5	5
58	HAWC+/SOFIA Polarimetry in L1688: Relative Orientation of Magnetic Field and Elongated Cloud Structure. Astrophysical Journal, 2021, 918, 39.	4.5	5
59	Detection of Substructures in Young Transition Disk WL 17. Astrophysical Journal, 2021, 922, 150.	4.5	5
60	The JCMT BISTRO Survey: Evidence for Pinched Magnetic Fields in Quiescent Filaments of NGC 1333. Astrophysical Journal Letters, 2021, 923, L9.	8.3	4
61	The Twisted Magnetic Field of the Protobinary L483. Astrophysical Journal, 2022, 932, 34.	4.5	3
62	Disks and Outflows in the Intermediate-mass Star-forming Region NGC 2071 IR. Astrophysical Journal, 2022, 933, 178.	4.5	2
63	A Study of 90 GHz Dust Emissivity on Molecular Cloud and Filament Scales. Astrophysical Journal, 2022, 929, 102.	4.5	1