

# S T Megeath

## List of Publications by Year in descending order

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62  
papers

8,691  
citations

87888

38  
h-index

128289

60  
g-index

63  
all docs

63  
docs citations

63  
times ranked

5983  
citing authors

#	ARTICLE	IF	CITATIONS
1	The APEX Large CO Heterodyne Orion Legacy Survey (ALCOHOLS). <i>Astronomy and Astrophysics</i> , 2022, 658, A178.	5.1	6
2	The Rate, Amplitude, and Duration of Outbursts from Class 0 Protostars in Orion. <i>Astrophysical Journal Letters</i> , 2022, 924, L23.	8.3	21
3	Low Mass Stars as Tracers of Star and Cluster Formation. <i>Publications of the Astronomical Society of the Pacific</i> , 2022, 134, 042001.	3.1	11
4	An APEX survey of outflow and infall toward the youngest protostars in Orion. <i>Astronomy and Astrophysics</i> , 2020, 642, A137.	5.1	9
5	The Dynamics, Structure, and Fate of a Young Cluster during Gas Dispersal: Hectoschelle, Chandra, Spitzer, and Gaia Observations of Cep OB3b. <i>Astrophysical Journal</i> , 2019, 871, 46.	4.5	14
6	Resolving the fragmentation of high line-mass filaments with ALMA: the integral shaped filament in Orion A. <i>Astronomy and Astrophysics</i> , 2017, 600, A141.	5.1	74
7	The ATLASGAL survey: The sample of young massive cluster progenitors. <i>Astronomy and Astrophysics</i> , 2017, 601, A60.	5.1	26
8	<i>Herschel</i> /PACS far-IR spectral imaging of a jet from an intermediate mass protostar in the OMC-2 region. <i>Astronomy and Astrophysics</i> , 2016, 596, A26.	5.1	12
9	THE SPITZER SPACE TELESCOPE SURVEY OF THE ORION A AND B MOLECULAR CLOUDS. II. THE SPATIAL DISTRIBUTION AND DEMOGRAPHICS OF DUSTY YOUNG STELLAR OBJECTS. <i>Astronomical Journal</i> , 2016, 151, 5.	4.7	126
10	THE HERSCHEL ORION PROTOSTAR SURVEY: SPECTRAL ENERGY DISTRIBUTIONS AND FITS USING A GRID OF PROTOSTELLAR MODELS. <i>Astrophysical Journal, Supplement Series</i> , 2016, 224, 5.	7.7	136
11	THE SPITZER INFRARED SPECTROGRAPH SURVEY OF PROTOPLANETARY DISKS IN ORION A. I. DISK PROPERTIES. <i>Astrophysical Journal, Supplement Series</i> , 2016, 226, 8.	7.7	17
12	A STAR-FORMING RING AROUND $\hat{\rho}$ Ori 250 pc FROM THE SUN. <i>Astrophysical Journal Letters</i> , 2016, 820, L28.	8.3	9
13	YOUNG STELLAR OBJECT VARIABILITY (YSOVAR): LONG TIMESCALE VARIATIONS IN THE MID-INFRARED. <i>Astronomical Journal</i> , 2014, 148, 92.	4.7	75
14	THE DEPENDENCE OF PROTOSTELLAR LUMINOSITY ON ENVIRONMENT IN THE CYGNUS-X STAR-FORMING COMPLEX. <i>Astronomical Journal</i> , 2014, 148, 11.	4.7	46
15	CONNECTING X-RAY AND INFRARED VARIABILITY AMONG YOUNG STELLAR OBJECTS: RULING OUT POTENTIAL SOURCES OF DISK FLUCTUATIONS. <i>Astrophysical Journal</i> , 2014, 793, 2.	4.5	18
16	A <i>SPITZER</i> VIEW OF THE GIANT MOLECULAR CLOUD MON OB1 EAST/NGC 2264. <i>Astrophysical Journal</i> , 2014, 794, 124.	4.5	34
17	ON THE NATURE OF THE DEEPLY EMBEDDED PROTOSTAR OMC-2 FIR 4. <i>Astrophysical Journal</i> , 2014, 786, 26.	4.5	22
18	AN X-RAY SURVEY OF THE YOUNG STELLAR POPULATION OF THE LYNDS 1641 AND IOTA ORIONIS REGIONS. <i>Astrophysical Journal</i> , 2013, 768, 99.	4.5	38

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19	KINKS AND DENTS IN PROTOPLANETARY DISKS: RAPID INFRARED VARIABILITY AS EVIDENCE FOR LARGE STRUCTURAL PERTURBATIONS. <i>Astronomical Journal</i> , 2013, 145, 66.	4.7	33
20	TRANSITIONAL DISKS AND THEIR ORIGINS: AN INFRARED SPECTROSCOPIC SURVEY OF ORION A. <i>Astrophysical Journal</i> , 2013, 769, 149.	4.5	47
21	EVIDENCE FOR ENVIRONMENTAL DEPENDENCE OF THE UPPER STELLAR INITIAL MASS FUNCTION IN ORION A. <i>Astrophysical Journal</i> , 2013, 764, 114.	4.5	44
22	<i>HERSCHEL</i>/PACS SPECTROSCOPIC SURVEY OF PROTOSTARS IN ORION: THE ORIGIN OF FAR-INFRARED CO EMISSION. <i>Astrophysical Journal</i> , 2013, 763, 83.	4.5	84
23	IRAS 20050+2720: ANATOMY OF A YOUNG STELLAR CLUSTER. <i>Astronomical Journal</i> , 2012, 144, 101.	4.7	18
24	LUMINOSITY FUNCTIONS OF <i>SPITZER</i>-IDENTIFIED PROTOSTARS IN NINE NEARBY MOLECULAR CLOUDS. <i>Astronomical Journal</i> , 2012, 144, 31.	4.7	85
25	THE <i>SPITZER</i> <i>SPACE TELESCOPE</i> SURVEY OF THE ORION A AND B MOLECULAR CLOUDS. I. A CENSUS OF DUSTY YOUNG STELLAR OBJECTS AND A STUDY OF THEIR MID-INFRARED VARIABILITY. <i>Astronomical Journal</i> , 2012, 144, 192.	4.7	325
26	INFRARED VARIABILITY OF EVOLVED PROTOPLANETARY DISKS: EVIDENCE FOR SCALE HEIGHT VARIATIONS IN THE INNER DISK. <i>Astrophysical Journal</i> , 2012, 748, 71.	4.5	54
27	THE LOW-MASS STELLAR POPULATION IN L1641: EVIDENCE FOR ENVIRONMENTAL DEPENDENCE OF THE STELLAR INITIAL MASS FUNCTION. <i>Astrophysical Journal</i> , 2012, 752, 59.	4.5	57
28	THE HIGHLY DYNAMIC BEHAVIOR OF THE INNERMOST DUST AND GAS IN THE TRANSITION DISK VARIABLE LRL 31. <i>Astrophysical Journal</i> , 2011, 732, 83.	4.5	19
29	THE STRUCTURE OF THE STAR-FORMING CLUSTER RCW 38. <i>Astrophysical Journal</i> , 2011, 743, 166.	4.5	35
30	A CORRELATION BETWEEN SURFACE DENSITIES OF YOUNG STELLAR OBJECTS AND GAS IN EIGHT NEARBY MOLECULAR CLOUDS. <i>Astrophysical Journal</i> , 2011, 739, 84.	4.5	169
31	A <i>SPITZER</i> VIEW OF STAR FORMATION IN THE CYGNUS X NORTH COMPLEX. <i>Astrophysical Journal</i> , 2010, 720, 679-693.	4.5	61
32	The spatial distribution of star formation in the solar neighbourhood: do all stars form in dense clusters?. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2010, 409, L54-L58.	3.3	277
33	<i>Herschel</i>-PACS imaging of protostars in the HH 1&acirc2 outflow complex. <i>Astronomy and Astrophysics</i> , 2010, 518, L122.	5.1	36
34	THE PROPERTIES OF X-RAY LUMINOUS YOUNG STELLAR OBJECTS IN THE NGC 1333 AND SERPENS EMBEDDED CLUSTERS. <i>Astronomical Journal</i> , 2010, 140, 266-292.	4.7	64
35	A census of molecular hydrogen outflows and their sources along the Orion&AA molecular ridge. <i>Astronomy and Astrophysics</i> , 2009, 496, 153-176.	5.1	67
36	A VERY LARGE TELESCOPE/NACO STUDY OF STAR FORMATION IN THE MASSIVE EMBEDDED CLUSTER RCW 38. <i>Astronomical Journal</i> , 2009, 138, 33-45.	4.7	21

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37	A SPECTROSCOPIC STUDY OF YOUNG STELLAR OBJECTS IN THE SERPENS CLOUD CORE AND NGC 1333. <i>Astronomical Journal</i> , 2009, 137, 4777-4794.	4.7	53
38	DETECTION OF STAR FORMATION IN THE UNUSUALLY COLD GIANT MOLECULAR CLOUD G216-2.5. <i>Astronomical Journal</i> , 2009, 137, 4072-4082.	4.7	27
39	A <i>SPITZER</i> SURVEY OF YOUNG STELLAR CLUSTERS WITHIN ONE KILOPARSEC OF THE SUN: CLUSTER CORE EXTRACTION AND BASIC STRUCTURAL ANALYSIS. <i>Astrophysical Journal</i> , Supplement Series, 2009, 184, 18-83.	7.7	559
40	The population of young stars in Orion A: X-rays and IR properties. <i>Proceedings of the International Astronomical Union</i> , 2009, 5, 509-509.	0.0	0
41	<i>Spitzer</i> Observations of NGC 1333: A Study of Structure and Evolution in a Nearby Embedded Cluster. <i>Astrophysical Journal</i> , 2008, 674, 336-356.	4.5	341
42	The <i>Spitzer</i> Gould Belt Survey of Large Nearby Interstellar Clouds: Discovery of a Dense Embedded Cluster in the Serpens-Aquila Rift. <i>Astrophysical Journal</i> , 2008, 673, L151-L154.	4.5	113
43	The Disk Population of the Chamaeleon I Star-forming Region. <i>Astrophysical Journal</i> , 2008, 675, 1375-1406.	4.5	167
44	Discovery of Two T Dwarf Companions with the <i>Spitzer</i> Space Telescope. <i>Astrophysical Journal</i> , 2007, 654, 570-579.	4.5	201
45	New Low-Mass Stars and Brown Dwarfs with Disks in Lupus. <i>Astrophysical Journal</i> , 2007, 655, 1095-1102.	4.5	41
46	Infrared Extinction toward Nearby Star-forming Regions. <i>Astrophysical Journal</i> , 2007, 663, 1069-1082.	4.5	303
47	A Combined <i>Spitzer</i> and <i>Chandra</i> Survey of Young Stellar Objects in the Serpens Cloud Core. <i>Astrophysical Journal</i> , 2007, 669, 493-518.	4.5	107
48	<i>Spitzer</i> Observations of the Giant Molecular Cloud W3. <i>Astrophysical Journal</i> , 2007, 654, 338-346.	4.5	22
49	Triggered star formation in the isolated cluster CB 34?. <i>Proceedings of the International Astronomical Union</i> , 2006, 2, 464-464.	0.0	1
50	A <i>Spitzer</i> IRAC Search for Substellar Companions of the Debris Disk Star $\mu$ Eridani. <i>Astrophysical Journal</i> , 2006, 647, 1437-1451.	4.5	31
51	Disk Evolution in Cep OB2: Results from the <i>Spitzer</i> Space Telescope. <i>Astrophysical Journal</i> , 2006, 638, 897-919.	4.5	218
52	<i>Spitzer</i> Identification of the Least Massive Known Brown Dwarf with a Circumstellar Disk. <i>Astrophysical Journal</i> , 2005, 620, L51-L54.	4.5	41
53	<i>Spitzer</i> IRAC Photometry of the $\hat{\iota}$ Chamaeleontis Association. <i>Astrophysical Journal</i> , 2005, 634, L113-L116.	4.5	68
54	IRAC Observations of Taurus Pre-Main-Sequence Stars. <i>Astrophysical Journal</i> , 2005, 629, 881-896.	4.5	255

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55	The Disk Fractions of Brown Dwarfs in IC 348 and Chamaeleon I. <i>Astrophysical Journal</i> , 2005, 631, L69-L72.	4.5	76
56	The Infrared Array Camera (IRAC) for the Spitzer Space Telescope. <i>Astrophysical Journal, Supplement Series</i> , 2004, 154, 10-17.	7.7	2,734
57	Initial Results from the Spitzer Young Stellar Cluster Survey. <i>Astrophysical Journal, Supplement Series</i> , 2004, 154, 367-373.	7.7	171
58	In-flight performance and calibration of the Infrared Array Camera (IRAC) for the Spitzer Space Telescope. , 2004, , .		48
59	The 24 Micron View of Embedded Star Formation in NGC 7129. <i>Astrophysical Journal, Supplement Series</i> , 2004, 154, 379-384.	7.7	61
60	Spectral Irradiance Calibration in the Infrared. XIII. "Supertemplates" and On-Orbit Calibrators for the SIRTFI Infrared Array Camera. <i>Astronomical Journal</i> , 2003, 125, 2645-2663.	4.7	162
61	Spectral Irradiance Calibration in the Infrared. XIV. The Absolute Calibration of 2MASS. <i>Astronomical Journal</i> , 2003, 126, 1090-1096.	4.7	632
62	A13CO and C18O Survey of the Molecular Gas Around Young Stellar Clusters within 1 Kiloparsec of the Sun. <i>Astronomical Journal</i> , 2003, 126, 286-310.	4.7	69