

# Robert A Gutermuth

## List of Publications by Year in descending order

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27  
papers

1,744  
citations

567281

15  
h-index

552781

26  
g-index

27  
all docs

27  
docs citations

27  
times ranked

1812  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Rate, Amplitude, and Duration of Outbursts from Class 0 Protostars in Orion. <i>Astrophysical Journal Letters</i> , 2022, 924, L23.	8.3	21
2	A Census of Protostellar Outflows in Nearby Molecular Clouds. <i>Astrophysical Journal</i> , 2022, 926, 19.	4.5	7
3	Completing the protostellar luminosity function in Cygnus-X with <i>&lt;i&gt;SOFIA/FORCAST&lt;/i&gt;</i> imaging. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 512, 960-978.	4.4	3
4	Reconstructing three-dimensional densities from two-dimensional observations of molecular gas. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 502, 5997-6009.	4.4	5
5	The Single-cloud Star Formation Relation. <i>Astrophysical Journal Letters</i> , 2021, 912, L19.	8.3	24
6	Application of Convolutional Neural Networks to Identify Stellar Feedback Bubbles in CO Emission. <i>Astrophysical Journal</i> , 2020, 890, 64.	4.5	14
7	Starâ€™Gas Surface Density Correlations in 12 Nearby Molecular Clouds. I. Data Collection and Star-sampled Analysis. <i>Astrophysical Journal</i> , 2020, 896, 60.	4.5	32
8	Application of Convolutional Neural Networks to Identify Protostellar Outflows in CO Emission. <i>Astrophysical Journal</i> , 2020, 905, 172.	4.5	10
9	A Census of Star Formation in the Outer Galaxy: The SMOG Field. <i>Astrophysical Journal</i> , 2019, 880, 9.	4.5	9
10	The Inner Disk and Accretion Flow of the Close Binary DQ Tau. <i>Astrophysical Journal</i> , 2019, 877, 29.	4.5	15
11	CASI: A Convolutional Neural Network Approach for Shell Identification. <i>Astrophysical Journal</i> , 2019, 880, 83.	4.5	22
12	Catalog of High Protostellar Surface Density Regions in Nearby Embedded Clusters. <i>Astrophysical Journal</i> , 2019, 871, 163.	4.5	8
13	Hierarchical Fragmentation in the Perseus Molecular Cloud: From the Cloud Scale to Protostellar Objects. <i>Astrophysical Journal</i> , 2018, 853, 5.	4.5	37
14	SPITZER OBSERVATIONS OF LONG-TERM INFRARED VARIABILITY AMONG YOUNG STELLAR OBJECTS IN CHAMAELEON I. <i>Astrophysical Journal</i> , 2016, 833, 104.	4.5	19
15	PHOTO-REVERBERATION MAPPING OF A PROTOPLANETARY ACCRETION DISK AROUND A T TAURI STAR. <i>Astrophysical Journal</i> , 2016, 823, 58.	4.5	10
16	YOUNG STELLAR OBJECTS IN THE GOULD BELT. <i>Astrophysical Journal, Supplement Series</i> , 2015, 220, 11.	7.7	232
17	A 24â€™m POINT SOURCE CATALOG OF THE GALACTIC PLANE FROM <i>&lt;i&gt;SPITZER&lt;/i&gt;/MIPSGAL</i> . <i>Astronomical Journal</i> , 2015, 149, 64.	4.7	115
18	RADIO MONITORING OF THE PERIODICALLY VARIABLE IR SOURCE LRL 54361: NO DIRECT CORRELATION BETWEEN THE RADIO AND IR EMISSIONS. <i>Astrophysical Journal</i> , 2015, 814, 15.	4.5	5

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19	CSI 2264: SIMULTANEOUS OPTICAL AND INFRARED LIGHT CURVES OF YOUNG DISK-BEARING STARS IN NGC 2264 WITH <i>CoRoT</i> and <i>SPITZER</i> "EVIDENCE FOR MULTIPLE ORIGINS OF VARIABILITY. <i>Astronomical Journal</i> , 2014, 147, 82.	4.7	307
20	Pulsed accretion in a variable protostar. <i>Nature</i> , 2013, 493, 378-380.	27.8	42
21	Potential Drivers of Mid-Infrared Variability in Young Stars: Testing Physical Models with Multiepoch Near-Infrared Spectra of YSOs in $\rho$ -Oph. <i>Publications of the Astronomical Society of the Pacific</i> , 2012, 124, 1137-1158.	3.1	14
22	THE MASS DISTRIBUTION OF STARLESS AND PROTOSTELLAR CORES IN GOULD BELT CLOUDS. <i>Astrophysical Journal</i> , 2010, 710, 1247-1270.	4.5	90
23	The Initial Configuration of Young Stellar Clusters: $K$ -Band Number Counts Analysis of the Surface Density of Stars. <i>Astrophysical Journal</i> , 2005, 632, 397-420.	4.5	165
24	Turbulence Driven by Outflow-blown Cavities in the Molecular Cloud of NGC 1333. <i>Astrophysical Journal</i> , 2005, 632, 941-955.	4.5	79
25	The NGC 7129 Young Stellar Cluster: A Combined Spitzer , MMT, and Two Micron All Sky Survey Census of Disks, Protostars, and Outflows. <i>Astrophysical Journal, Supplement Series</i> , 2004, 154, 374-378.	7.7	94
26	Infrared Array Camera (IRAC) Colors of Young Stellar Objects. <i>Astrophysical Journal, Supplement Series</i> , 2004, 154, 363-366.	7.7	361
27	High-precision star formation efficiency measurements in nearby clouds. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , .	4.4	4