Robert A Gutermuth

List of Publications by Year
in descending order

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	Infrared Array Camera (IRAC) Colors of Young Stellar Objects. Astrophysical Journal, Supplement Series, 2004, 154, 363-366.	7.7	361
2	CSI 2264: SIMULTANEOUS OPTICAL AND INFRARED LIGHT CURVES OF YOUNG DISK-BEARING STARS IN NGC 2264 WITH *CoRoT* and *SPITZER* —EVIDENCE FOR MULTIPLE ORIGINS OF VARIABILITY. Astronomical Journal, 2014, 147, 82.	4.7	307
3	YOUNG STELLAR OBJECTS IN THE GOULD BELT. Astrophysical Journal, Supplement Series, 2015, 220, 11.	7.7	232
4	The Initial Configuration of Young Stellar Clusters: AK–Band Number Counts Analysis of the Surface Density of Stars. Astrophysical Journal, 2005, 632, 397-420.	4.5	165
5	A 24‰ *μ* m POINT SOURCE CATALOG OF THE GALACTIC PLANE FROM *SPITZER*/MIPSGAL. Astronomical Journal, 2015, 149, 64.	4.7	115
6	The NGC 7129 Young Stellar Cluster: A Combined Spitzer , MMT, and Two Micron All Sky Survey Census of Disks, Protostars, and Outflows. Astrophysical Journal, Supplement Series, 2004, 154, 374-378.	7.7	94
7	THE MASS DISTRIBUTION OF STARLESS AND PROTOSTELLAR CORES IN GOULD BELT CLOUDS. Astrophysical Journal, 2010, 710, 1247-1270.	4.5	90
8	Turbulence Driven by Outflow–blown Cavities in the Molecular Cloud of NGC 1333. Astrophysical Journal, 2005, 632, 941-955.	4.5	79
9	Pulsed accretion in a variable protostar. Nature, 2013, 493, 378-380.	27.8	42
10	Hierarchical Fragmentation in the Perseus Molecular Cloud: From the Cloud Scale to Protostellar Objects. Astrophysical Journal, 2018, 853, 5.	4.5	37
11	Star–Gas Surface Density Correlations in 12 Nearby Molecular Clouds. I. Data Collection and Star-sampled Analysis. Astrophysical Journal, 2020, 896, 60.	4.5	32
12	The Single-cloud Star Formation Relation. Astrophysical Journal Letters, 2021, 912, L19.	8.3	24
13	CASI: A Convolutional Neural Network Approach for Shell Identification. Astrophysical Journal, 2019, 880, 83.	4.5	22
14	The Rate, Amplitude, and Duration of Outbursts from Class 0 Protostars in Orion. Astrophysical Journal Letters, 2022, 924, L23.	8.3	21
15	SPITZER OBSERVATIONS OF LONG-TERM INFRARED VARIABILITY AMONG YOUNG STELLAR OBJECTS IN CHAMAELEON I. Astrophysical Journal, 2016, 833, 104.	4.5	19
16	The Inner Disk and Accretion Flow of the Close Binary DQ Tau. Astrophysical Journal, 2019, 877, 29.	4.5	15
17	Potential Drivers of Mid-Infrared Variability in Young Stars: Testing Physical Models with Multiepoch Near-Infrared Spectra of YSOs in ρ Oph. Publications of the Astronomical Society of the Pacific, 2012, 124, 1137-1158.	3.1	14
18	Application of Convolutional Neural Networks to Identify Stellar Feedback Bubbles in CO Emission. Astrophysical Journal, 2020, 890, 64.	4.5	14

#	Article	IF	Citations
19	PHOTO-REVERBERATION MAPPING OF A PROTOPLANETARY ACCRETION DISK AROUND A T TAURI STAR. Astrophysical Journal, 2016, 823, 58.	4.5	10
20	Application of Convolutional Neural Networks to Identify Protostellar Outflows in CO Emission. Astrophysical Journal, 2020, 905, 172.	4.5	10
21	A Census of Star Formation in the Outer Galaxy: The SMOG Field. Astrophysical Journal, 2019, 880, 9.	4.5	9
22	Catalog of High Protostellar Surface Density Regions in Nearby Embedded Clusters. Astrophysical Journal, 2019, 871, 163.	4.5	8
23	A Census of Protostellar Outflows in Nearby Molecular Clouds. Astrophysical Journal, 2022, 926, 19.	4.5	7
24	Reconstructing three-dimensional densities from two-dimensional observations of molecular gas. Monthly Notices of the Royal Astronomical Society, 2021, 502, 5997-6009.	4.4	5
25	RADIO MONITORING OF THE PERIODICALLY VARIABLE IR SOURCE LRLL 54361: NO DIRECT CORRELATION BETWEEN THE RADIO AND IR EMISSIONS. Astrophysical Journal, 2015, 814, 15.	4.5	5
26	High-precision star formation efficiency measurements in nearby clouds. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	4
27	Completing the protostellar luminosity function in Cygnus-X with *SOFIA/FORCAST* imaging. Monthly Notices of the Royal Astronomical Society, 2022, 512, 960-978.	4.4	3