

## Robert A. Gutermuth

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### Current Position

2019-pres. Research Assoc. Professor of Astronomy, University of Massachusetts Amherst.

### Education and Academic Experience

2011-2019 Research Asst. Professor of Astronomy, University of Massachusetts Amherst.  
2009-2011 Adjunct Lecturer in Astronomy, University of Massachusetts Amherst.  
2008-2011 Five College Astronomy Dept. Postdoctoral Fellow in Research and Teaching, Smith College, advisor: James Lowenthal.  
2005-2008 Postdoctoral Researcher, Harvard-Smithsonian Center for Astrophysics, advisor: Phil Myers.  
2005 Ph.D., Astronomy & Physics, Department of Physics & Astronomy, University of Rochester, advisor: Judy Pipher.  
2002 M.A., Physics, Department of Physics & Astronomy, University of Rochester.  
2000 B.A., Physics (Astrophysics concentration) & Mathematics, with Honors in Physics, College of Liberal Arts and Sciences, Alfred University.

### Primary Research Interests

- Large scale, high spatial dynamic range, multi-wavelength (X-ray to mm-wave) surveys of star-forming regions, from molecular clouds to the entire plane of the Milky Way.
- Multi-scale structure characterizations and analyses of the spatial distributions of young stellar objects and their natal molecular cloud material.
- Software: machine learning applications in astrophysics, high volume automated image reduction and analysis, spatial point processing, resolved emission parsing, photometric survey completeness characterization.

### Graduate Advisory Experience

2018-2019 Sarah Betti; 2<sup>nd</sup> year research project advisor  
2016-2018 Jia Sun; visiting graduate student mentor  
2015-2016 Alyssa Sokol; 1<sup>st</sup> year research project advisor  
2015 Chris Thibodeau; YSO classification (2<sup>nd</sup> year research project) mentor  
2014-2019 Riwanj Pokhrel; 2<sup>nd</sup> year research project & PhD thesis project advisor  
2011-2012 Frank Ripple; Extinction mapping (1<sup>st</sup> year research project) mentor  
2009-2014 Thomas Allen; Spitzer data analysis & star formation research mentor  
2006-2009 Xavier Koenig; Spitzer data analysis & star formation research mentor  
2006-2009 Elaine Winston; Spitzer data analysis & star formation research mentor

### Undergraduate Teaching and Advisory Experience

2018-2019 AST 100: Exploring the Universe; UMass Amherst.  
2009-2011 AST 337: Obs. Techniques in Optical & Infrared Astro.; Smith College.  
2002-pres. mentored research projects (REU, thesis, indep. study) for 16 students; *resulting student-led papers*: Henry et al. 2003, Flaherty et al. 2007, Allen et al. 2008, DeRose et al. 2009, Masiunas et al. 2012.

### **Undergraduate Teaching and Advisory Experience (cont.)**

- 2000-2001 teaching assistant, 1<sup>st</sup> year E&M Lab, University of Rochester.  
1997-2000 teaching assistant, 1<sup>st</sup> year Astronomy & Mechanics Labs, Alfred University.

### **Grants Awarded (as PI or funded Co-I)**

- 2018 Megeath et al.: *Orion: The Final Epoch*; NASA ADAP; \$395k.  
2018 Offner & Gutermuth: *Harnessing Machine Learning to Study the Life Cycle of Stars*; NSF AAG; \$370k.  
2018-2020 Gutermuth et al.: *Completing the Protostar Luminosity Function in Cygnus-X with SOFIA/FORCAST Imaging*; SOFIA data reduction/analysis support; 3 awards totaling \$250k.  
2017 Gutermuth et al.: *Reconciling the YSO Census in Gould's Belt*; NASA ADAP; \$360k.  
2016 Wilson et al.; *Unveiling the Obscured Formation of Stars and Galaxies: Large-Scale Legacy Surveys with a New Three Color Imaging Polarimeter on a 50-m Millimeter-Wave Telescope*; NSF MSIP; \$6.1m.  
2015 Gutermuth et al.: *Investigating Star-Gas Correlation and Evolution in the 100pc Cygnus-X Complex*; NASA ADAP; \$350k.  
2013 Gutermuth et al.: *A Herschel Survey of the MonR2 and CepOB3 clouds*; Herschel Space Observatory data reduction/analysis support; \$113k.  
2012 Heyer & Gutermuth: *A MIPS GAL 24 micron Source Catalog for the Community*; NASA ADAP; \$320k.  
2010 Gutermuth et al.: *A Uniform, Deep, Multi-epoch Spitzer Census of Clustered Star Forming Regions and Molecular Clouds from 400-1000pc*; NASA ADAP; \$210k.  
2008-2016 *HST, Spitzer, Chandra, & Herschel* data reduction/analysis support for eight programs; \$185k.

### **Honors and Awards**

- 2011-2016 Exceptional Merit Recognition Among Faculty, UMass.  
2004 Astronomical Society of New York Graduate Student Award.

### **Service**

- 2019-pres. Member, UMass Astronomy Dept. IT Committee.  
2018-pres. Member, UMass Astronomy Dept. Climate and Inclusion Committee.  
2017-2019 UMass Astronomy Dept. Union Representative, MSP.  
2017-pres. US Education & Public Outreach Coordinator for TolTEC.  
2011-2012 Member, Science Organizing Committee, *The Formation and Early Evolution of Stellar Clusters* conference, July 23-27, 2012, Sexten, Italy.  
2011-13, 2019-pres. Member, UMass Astronomy Dept. Personnel and Merit Committee.  
2011 Panel Member, NASA ADAP Review Committee.  
2010-2018 Member, UMass Astronomy Colloquium Organizing Committee.  
2010-2017 Panel Member, Telescope Time Allocation Committees: Spitzer Space Telescope, SOFIA, Hubble Space Telescope, Large Millimeter Telescope  
2006-pres. Referee for recent papers in nearby star formation: ApJ, AJ, A&A, MNRAS, *Handbook of Star-Forming Regions*.

## Invited Talks

- 2019 NEROC Symposium, MIT Haystack Observatory, Westford, Mass.
- 2017 CfA Stars and Planets Seminar Series, Cambridge, Mass.
- 2016 Astronomy Dept. Colloquium, University of Toronto, Toronto, Ontario, Canada.
- 2012 Astronomy Dept. Colloquium, Cornell University, Ithaca, NY.
- 2011 Astronomy Dept. Colloquium, Yale University, New Haven, Conn.
- 2011 Physics & Astronomy Dept. Colloquium, University of Toledo, Toledo, Ohio.
- 2010 NOAO 50<sup>th</sup> Anniversary Symposium, Tucson, Arizona.
- 2008 MODEST8 Workshop, Bonn, Germany.

## Refereed Publications

118 peer-reviewed publications with a total of **7,367** citations.

My H-index is **27** for papers of greater than median effort, and **47** overall.

## First author peer reviewed publications: 12; total citations: 1,344.

(I include here publications led by students if I was their primary mentor.)

1. *Early science with the Large Millimetre Telescope: new mm-wave detections of circumstellar discs in IC 348 from LMT/AzTEC*, Petersen, Michael S.; **Gutermuth, Robert A.**; Nagel, Erick; Wilson, Grant W.; Lane, James, 2019, 288, 1462; citations: 0
2. *Early science with the Large Millimetre Telescope: An LMT/AzTEC 1.1 mm Survey of dense cores in the Monoceros R2 giant molecular cloud*, Sokol, Alyssa D.; **Gutermuth, R. A.**; Pokhrel, R.; Gómez-Ruiz, A. I.; Wilson, G. W.; Offner, S. S. R.; Heyer, M.; Luna, A.; Schloerb, F. P.; Sánchez, D., 2019, MNRAS, 483, 407, citations: 5
3. *A Herschel-SPIRE survey of the Mon R2 giant molecular cloud: analysis of the gas column density probability density function*, Pokhrel, R.; **Gutermuth, R.**; Ali, B.; Megeath, T.; Pipher, J.; Myers, P.; Fischer, W. J.; Henning, T.; Wolk, S. J.; Allen, L.; Tobin, J. J., 2016, MNRAS, 461, 22, citations: 20
4. *A 24  $\mu$ m Point Source Catalog of the Galactic Plane from Spitzer/MIPSGAL*, **Gutermuth, Robert A.**; Heyer, Mark, 2015, AJ, 149, 64, citations: 73
5. *A Structural Analysis of Star-Forming Region AFGL 490*, Masiunas, L. C., **Gutermuth, R. A.**, Pipher, J. L., Megeath, S. T., Myers, P. C., Allen, L. E., Kirk, H. M., Fazio, G. G., 2012, ApJ, 752, 127, citations: 16
6. *A Correlation between Surface Densities of Young Stellar Objects and Gas in Eight Nearby Molecular Clouds*, **Gutermuth, R. A.**, Pipher, J. L., Megeath, S. T., Myers, P. C., Allen, L. E., Allen, T. S., 2011, ApJ, 739, 84, citations: 138
7. *A Spitzer Survey of Young Stellar Clusters within One Kiloparsec of the Sun: Cluster Core Extraction and Basic Structural Analysis*, **Gutermuth, R. A.**, Megeath, S. T., Myers, P. C., Allen, L. E., Pipher, J. L., Fazio, G. G., 2009, ApJS, 184, 18 (Erratum: 2010, ApJS, 189, 352), citations: 441
8. *Spitzer Observations of NGC 1333: A Study of Structure and Evolution in a Nearby Embedded Cluster*, **Gutermuth, R. A.**, Myers, P. C., Megeath, S. T., Allen, L. E., Pipher, J. L., Muzerolle, J., Porras, A., Winston, E., Fazio, G., 2008, ApJ, 674, 336, citations: 295
9. *The Spitzer Gould Belt Survey of Large Nearby Interstellar Clouds: Discovery of a Dense Embedded Cluster in the Serpens-Aquila Rift*, **Gutermuth, R. A.**, Bourke, T. L., Allen, L. E., Myers, P. C., Megeath, S. T., Matthews, B., Jorgensen, J. K., Di Francesco, J., Ward-Thompson, D., Huard, T. L., Brooke, T. Y., Dunham, M. M., Cieza, L., Harvey, P., Chapman, N., 2008, ApJL, 673, L151, citations: 97
10. *The Initial Configuration of Young Stellar Clusters: A K-band Number Counts Analysis of the Surface Density of Stars*, **Gutermuth, R. A.**, Megeath, S. T., Pipher, J. L., Williams, J. P., Allen, L. E., Myers, P. C., Raines, S. N., 2005, ApJ, 632, 397, citations: 144

11. *The initial configuration of young stellar clusters*, **Gutermuth, Robert Allen**, 2005, Ph.D. Thesis, University of Rochester, citations: 18
12. *The NGC 7129 Young Stellar Cluster: A Combined Spitzer, MMT, and 2MASS Census of Disks, Protostars, and Outflows*, **Gutermuth, R. A.**, Megeath, S. T., Muzerolle, J., Pipher, J. L., Allen, L. E., Myers, P. C., Fazio, G. G., 2004, *ApJS*, 154, 374, citations: 97

**Second or third author peer reviewed publications: 36; total citations: 2,344.**

(If my effort exceeded the median effort of the co-authors, I include fourth author papers here.)

13. *Application of Convolutional Neural Networks to Identify Stellar Feedback Bubbles in CO Emission*, Xu, Duo; Offner, Stella S. R.; **Gutermuth, Robert**; Van Oort, Colin, 2020, *ApJ*, 890, 64; citations: 0
14. *A Census of Star Formation in the Outer Galaxy: The SMOG Field*, Winston, Elaine; Hora, Joseph; **Gutermuth, Robert**; Tolls, Volker, 2019, *ApJ*, 880, 9; citations: 0
15. *The Dynamics, Structure, and Fate of a Young Cluster during Gas Dispersal: Hectoschelle, Chandra, Spitzer, and Gaia Observations of Cep OB3b*, Karnath, N.; Prchlik, J. J.; **Gutermuth, R. A.**; Allen, T. S.; Megeath, S. T.; Pipher, J. L.; Wolk, S.; Jeffries, R. D., 2019, *ApJ*, 871, 46, citations: 3
16. *Chandra Detection of an Evolved Population of Young Stars in Serpens South*, Winston, E.; Wolk, S. J.; **Gutermuth, R.**; Bourke, T. L., 2018, *AJ*, 155, 241, citations: 5
17. *Early science with the Large Millimetre Telescope: fragmentation of molecular clumps in the Galaxy*, Heyer, M.; Wilson, G. W.; **Gutermuth, R.**; Lizano, S.; Gomez-Ruiz, A.; Kurtz, S.; Luna, A.; Serrano Bernal, E. O.; Schloerb, F. P., 2018, *MNRAS*, 473, 2222, citations: 2
18. *The rate and latency of star formation in dense, massive clumps in the Milky Way*, Heyer, M.; **Gutermuth, R.**; Urquhart, J. S.; Csengeri, T.; Wienen, M.; Leurini, S.; Menten, K.; Wyrowski, F., 2016, *A&A*, 588, 29, citations: 43
19. *The Spitzer Space Telescope Survey of the Orion A and B Molecular Clouds. II. The Spatial Distribution and Demographics of Dusty Young Stellar Objects*, Megeath, S. T.; **Gutermuth, R.**; Muzerolle, J.; Kryukova, E.; Hora, J. L.; Allen, L. E.; Flaherty, K.; Hartmann, L.; Myers, P. C.; Pipher, J. L.; Stauffer, J.; Young, E. T.; Fazio, G. G., 2016, *AJ*, 151, 5, citations: 76
20. *The JCMT Gould Belt Survey: evidence for radiative heating in Serpens MWC 297 and its influence on local star formation*, Rumble, D.; Hatchell, J.; **Gutermuth, R. A.**; Kirk, H.; Buckle, J.; Beaulieu, S. F.; Berry, D. S.; Broekhoven-Fiene, H.; Currie, M. J.; Fich, M.; Jenness, T.; Johnstone, D.; Mottram, J. C.; Nutter, D.; Pattle, K.; Pineda, J. E.; Quinn, C.; Salji, C.; Tisi, S.; Walker-Smith, S.; Francesco, J. Di; Hogerheijde, M. R.; Ward-Thompson, D.; Allen, L. E.; Cieza, L. A.; Dunham, M. M.; Harvey, P. M.; Stapelfeldt, K. R.; Bastien, P.; Butner, H.; Chen, M.; Chrysostomou, A.; Coude, S.; Davis, C. J.; Drabek-Maunder, E.; Duarte-Cabral, A.; Fiege, J.; Friberg, P.; Friesen, R.; Fuller, G. A.; Graves, S.; Greaves, J.; Gregson, J.; Holland, W.; Joncas, G.; Kirk, J. M.; Knee, L. B. G.; Mairs, S.; Marsh, K.; Matthews, B. C.; Moriarty-Schieven, G.; Rawlings, J.; Richer, J.; Robertson, D.; Rosolowsky, E.; Sadavoy, S.; Thomas, H.; Tothill, N.; Viti, S.; White, G. J.; Wilson, C. D.; Wouterloot, J.; Yates, J.; Zhu, M., 2015, *MNRAS*, 448, 1551, citations: 22
21. *A Spitzer View of the Giant Molecular Cloud MON OB1 EAST/NGC 2264*, Rapson, V. A.; Pipher, J. L.; **Gutermuth, R. A.**; Megeath, S. T.; Allen, T. S.; Myers, P. C.; Allen, L. E., 2014, *ApJ*, 794, 124, citations: 15
22. *The Dependence of Protostellar Luminosity on Environment in the Cygnus-X Star-forming Complex*, Kryukova, E.; Megeath, S. T.; Hora, J. L.; **Gutermuth, R. A.**; Bontemps, S.; Kraemer, K.; Hennemann, M.; Schneider, N.; Smith, Howard A.; Motte, F., 2014, *AJ*, 148, 11, citations: 27

23. *The Spitzer Survey of Interstellar Clouds in the Gould Belt. VI. The Auriga-California Molecular Cloud Observed with IRAC and MIPS*, Broekhoven-Fiene, Hannah; Matthews, Brenda C.; Harvey, Paul M.; **Gutermuth, Robert A.**; Huard, Tracy L.; Tothill, Nicholas F. H.; Nutter, David; Bourke, Tyler L.; DiFrancesco, James; Jørgensen, Jes K.; Allen, Lori E.; Chapman, Nicholas L.; Dunham, Michael M.; Merín, Bruno; Miller, Jennifer F.; Terebey, Susan; Peterson, Dawn E.; Stapelfeldt, Karl R., 2014, ApJ, 786, 37, citations: 15
24. *CO abundance variations in the Orion Molecular Cloud*, Ripple, F.; Heyer, M. H.; **Gutermuth, R.**; Snell, R. L.; Brunt, C. M., 2013, MNRAS, 431, 1296, citations: 52
25. *The Spitzer Space Telescope 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*, Megeath, S. T.; **Gutermuth, R.**; Muzerolle, J.; Kryukova, E.; Flaherty, K.; Hora, J. L.; Allen, L. E.; Hartmann, L.; Myers, P. C.; Pipher, J. L.; Stauffer, J.; Young, E. T.; Fazio, G. G., 2012, AJ, 144, 192, citations: 227
26. *Potential Drivers of Mid-Infrared Variability in Young Stars: testing physical models with multi-epoch near-infrared spectra of YSOs in Rho Oph*, Faesi, Christopher M., Covey, Kevin R., **Gutermuth, Robert**, Morales-Calderón, Maria, Stauffer, John, Plavchan, Peter, Rebull, Luisa, Song, Inseok, Lloyd, James P., 2012, PASP, 124, 1137, citations: 13
27. *IRAS 20050+2720: Anatomy of a Young Stellar Cluster*, Günther, H. M., Wolk, S. J., Spitzbart, B., **Gutermuth, R. A.**, Forbrich, J., Wright, N. J., Allen, L., Bourke, T. L., Megeath, S. T., Pipher, J. L., 2012, AJ, 144, 101, citations: 16
28. *Luminosity Functions of Spitzer-identified Protostars in Nine Nearby Molecular Clouds*, Kryukova, E., Megeath, S. T., **Gutermuth, R. A.**, Pipher, J., Allen, T. S., Allen, L. E., Myers, P. C., & Muzerolle, J., 2012, AJ, 144, 31, citations: 70
29. *Spitzer Imaging of the Nearby Rich Young Cluster, Cep OB3b*, Allen, Thomas S., **Gutermuth, Robert A.**, Kryukova, Erin, Megeath, S. Thomas, Pipher, Judith L., Naylor, Tim, Jeffries, R. D., Wolk, Scott, Spitzbart, Brad, Muzerolle, James, 2012, ApJ, 750, 125, citations: 27
30. *Infrared Variability of Evolved Protoplanetary Disks: Evidence for Scale Height Variations in the Inner Disk*, Flaherty, K. M., Muzerolle, J., Rieke, G., **Gutermuth, R.**, Balog, Z., Herbst, W., Megeath, S. T., & Kun, M., 2012, ApJ, 748, 71, citations: 47
31. *Do All Stars in the Solar Neighbourhood Form in Clusters?*, Bressert, Eli; Bastian, Nate; **Gutermuth, Robert**, 2012, Star Clusters in the Era of Large Surveys, Astrophysics and Space Science Proceedings, ISBN 978-3-642-22112-5. Springer-Verlag Berlin Heidelberg, 2012, p. 147, citations: 3
32. *Ysovar: The First Sensitive, Wide-area, Mid-infrared Photometric Monitoring of the Orion Nebula Cluster*, Morales-Calderón, M., Stauffer, J. R., Hillenbrand, L. A., **Gutermuth, R.**, Song, I., Rebull, L. M., Plavchan, P., Carpenter, J. M., Whitney, B. A., Covey, K., Alves de Oliveira, C., Winston, E., McCaughrean, M. J., Bouvier, J., Guieu, S., Vrba, F. J., Holtzman, J., Marchis, F., Hora, J. L., Wasserman, L. H., Terebey, S., Megeath, T., Guinan, E., Forbrich, J., Huélamo, N., Riviere-Marichalar, P., Barrado, D., Stapelfeldt, K., Hernández, J., Allen, L. E., Ardila, D. R., Bayo, A., Favata, F., James, D., Werner, M., Wood, K., 2011, ApJ, 733, 50, citations: 146
33. *The Highly Dynamic Behavior of the Innermost Dust and Gas in the Transition Disk Variable LRL 31*, Flaherty, K. M., Muzerolle, J., Rieke, G., **Gutermuth, R.**, Balog, Z., Herbst, W., Megeath, S. T., Kun, M., 2011, ApJ, 732, 83, citations: 24
34. *The spatial distribution of star formation in the solar neighbourhood: do all stars form in dense clusters?*, Bressert, E., Bastian, N., **Gutermuth, R.**, Megeath, S. T., Allen, L., Evans, Neal J., II, Rebull, L. M., Hatchell, J., Johnstone, D., Bourke, T. L., Cieza, L. A., Harvey, P. M., Merin, B., Ray, T. P., & Tothill, N. F. H., 2010, MNRAS, 409, L54, citations: 239

35. *A Spitzer View of Star Formation in the Cygnus X North Complex*, Beerer, I. M., Koenig, X. P., Hora, J. L., **Gutermuth, R. A.**, Bontemps, S., Megeath, S. T., Schneider, N., Motte, F., Carey, S., Simon, R., Keto, E., Smith, H. A., Allen, L. E., Fazio, G. G., Kraemer, K. E., Price, S., Mizuno, D., Adams, J. D., Hernández, J., & Lucas, P. W., 2010, ApJ, 720, 679, citations: 37
36. *A Very Large Telescope/NACO Study of Star Formation in the Massive Embedded Cluster RCW 38*, DeRose, K. L., Bourke, T. L., **Gutermuth, R. A.**, Wolk, S. J., Megeath, S. T., Alves, J., & Nürnberger, D., 2009, AJ, 138, 33, citations: 18
37. *Detection of Structure in Infrared-Dark Clouds with Spitzer: Characterizing Star Formation in the Molecular Ring*, Ragan, Sarah E., Bergin, Edwin A., & **Gutermuth, Robert A.**, 2009, ApJ, 698, 324, citations: 53
38. *Clustered and Triggered Star Formation in W5: Observations with Spitzer*, Koenig, Xavier P., Allen, Lori E., **Gutermuth, Robert A.**, Hora, Joseph L., Brunt, Christopher M., & Muzerolle, James, 2008, ApJ, 688, 1142, citations: 113
39. *Spitzer IRAC and MIPS Imaging of Clusters and Outflows in Nine High-Mass Star Forming Regions*, Qiu, Keping, Zhang, Qizhou, Megeath, S. Thomas, **Gutermuth, Robert A.**, Beuther, Henrik, Shepherd, Debra S., Sridharan, T. K., Testi, L., & De Pree, C. G., 2008, ApJ, 685, 1005, citations: 64
40. *The Spitzer Survey of Interstellar Clouds in the Gould Belt. I. IC 5146 Observed With IRAC and MIPS*, Harvey, Paul M., Huard, Tracy L., Jørgensen, Jes K., **Gutermuth, Robert A.**, Mamajek, Eric E., Bourke, Tyler L., Merín, Bruno, Cieza, Lucas, Brooke, Tim, Chapman, Nicholas, Alcalá, Juan M., Allen, Lori E., Evans, Neal J., II, Di Francesco, James, & Kirk, Jason M., 2008, ApJ, 680, 495, citations: 44
41. *The Disk Population of the Chamaeleon I Star-forming Region*, Luhman, K. L., Allen, L. E., Allen, P. R., **Gutermuth, R. A.**, Hartmann, L., Mamajek, E. E., Megeath, S. T., Myers, P. C., & Fazio, G. G., 2008, ApJ, 675, 1375, citations: 159
42. *Spitzer, Near-Infrared, and Submillimeter Imaging of the Relatively Sparse Young Cluster, Lynds 988e*, Allen, T. S., Pipher, J. L., **Gutermuth, R. A.**, Megeath, S. T., Adams, J. D., Herter, T. L., Williams, J. P., Goetz-Bixby, J. A., Allen, L. E., & Myers, P. C., 2008, ApJ, 675, 491, citations: 18
43. *A Spitzer Space Telescope Study of Disks in the Young  $\sigma$  Orionis Cluster*, Hernandez, J., Hartmann, L., Megeath, T., **Gutermuth, R.**, Muzerolle, J., Calvet, N., Vivas, A. K., Briceno, C., Allen, L., Stauffer, J., Young, E., & Fazio, G., 2007, ApJ, 662, 1067, citations: 335
44. *The Structure and Evolution of Young Stellar Clusters*, Allen, L., Megeath, S. T., **Gutermuth, R.**, Myers, P. C., Wolk, S., Adams, F. C., Muzerolle, J., Young, E., & Pipher, J. L., 2007, Protostars and Planets V, 361, citations: 178
45. *The 24 Micron View of Embedded Star Formation in NGC 7129*, Muzerolle, J., Megeath, S. T., **Gutermuth, R. A.**, Allen, L. E., Pipher, J. L., Hartmann, L., Gordon, K. D., Padgett, D. L., Noriega-Crespo, A., Myers, P. C., Fazio, G. G., Rieke, G. H., Young, E. T., Morrison, J. E., Hines, D. C., Su, K. Y. L., Engelbracht, C. W., & Misselt, K. A., 2004, ApJS, 154, 379, citations: 63
46. *Initial Results from the Spitzer Young Stellar Cluster Survey*, Megeath, S. T., Allen, L. E., **Gutermuth, R. A.**, Pipher, J. L., Myers, P. C., Calvet, N., Hartmann, L., Muzerolle, J., & Fazio, G. G., 2004, ApJS, 154, 367, citations: 161
47. *The Compact H II Region S88B: Excitation and Extinction*, Goetz, J. A., **Gutermuth, R. A.**, Pipher, J. L., Forrest, W. J., & Howard, E. M., 2003, ApJ, 599, 1173, citations: 5
48. *Star Formation and Asymmetry in the Spiral Arms of M51: Variable Star Formation Caused by More than One Spiral Density Wave*, Henry, A. L., Quillen, A. C., & **Gutermuth, R. A.**, 2003, AJ, 126, 2831, citations: 24

**Remaining peer reviewed publications: 70; total citations: 3,679**

49. *CASI: A Convolutional Neural Network Approach for Shell Identification*, Van Oort, Colin M.; Xu, Duo; Offner, Stella S. R.; **Gutermuth, Robert A.**, 2019, ApJ, 880, 83; citations: 2

50. *The Inner Disk and Accretion Flow of the Close Binary DQ Tau*, Muzerolle, James; Flaherty, Kevin; Balog, Zoltan; Beck, Tracy; **Gutermuth, Robert**, 2019, ApJ, 877, 29, citations: 3
51. *Dust opacity variations in the pre-stellar core L1544*, Chacón-Tanarro, A.; Pineda, J. E.; Caselli, P.; Bizzocchi, L.; **Gutermuth, R. A.**; Mason, B. S.; Gómez-Ruiz, A. I.; Harju, J.; Devlin, M.; Dicker, S. R.; Mroczkowski, T.; Romero, C. E.; Sievers, J.; Stanchfield, S.; Offner, S.; Sánchez-Argüelles, D., 2019, A&A, 623, 118; citations: 9
52. *Catalog of High Protostellar Surface Density Regions in Nearby Embedded Clusters*, Li, Juan; Myers, Philip C.; Kirk, Helen; **Gutermuth, Robert A.**; Dunham, Michael M.; Pokhrel, Riwan, 2019, ApJ, 871, 163; citations: 3
53. *YSOVAR: Mid-infrared Variability among YSOs in the Star Formation Region Serpens South*, Wolk, Scott J.; Günther, H. Moritz; Poppenhaeger, Katja; Winston, E.; Rebull, L. M.; Stauffer, J. R.; **Gutermuth, R. A.**; Cody, A. M.; Hillenbrand, L. A.; Plavchan, P.; Covey, K. R.; Song, Inseok, 2018, AJ, 155, 99, citations: 7
54. *Hierarchical Fragmentation in the Perseus Molecular Cloud: From the Cloud Scale to Protostellar Objects*, Pokhrel, Riwan; Myers, Philip C.; Dunham, Michael M.; Stephens, Ian W.; Sadavoy, Sarah I.; Zhang, Qizhou; Bourke, Tyler L.; Tobin, John J.; Lee, Katherine I.; **Gutermuth, Robert A.**; Offner, Stella S. R., 2018, ApJ, 853, 5, citations: 19
55. *The Fragmentation and Stability of Hierarchical Structure in Serpens South*, Friesen, R. K.; Bourke, T. L.; Di Francesco, J.; **Gutermuth, R.**; Myers, P. C., 2016, ApJ, 833, 204, citations: 23
56. *Spitzer Observations of Long-term Infrared Variability among Young Stellar Objects in Chamaeleon I*, Flaherty, Kevin M.; DeMarchi, Lindsay; Muzerolle, James; Balog, Zoltan; Herbst, William; Megeath, S. Thomas; Furlan, Elise; **Gutermuth, Robert**, 2016, ApJ, 833, 104, citations: 13
57. *Protoplanetary and Transitional Disks in the Open Stellar Cluster IC 2395*, Balog, Zoltan; Siegler, Nick; Rieke, G. H.; Kiss, L. L.; Muzerolle, James; **Gutermuth, R. A.**; Bell, Cameron P. M.; Vinkó, J.; Su, K. Y. L.; Young, E. T.; Gáspár, András, 2016, ApJ, 832, 87, citations: 7
58. *Photo-reverberation Mapping of a Protoplanetary Accretion Disk around a T Tauri Star*, Meng, Huan Y. A.; Plavchan, Peter; Rieke, George H.; Cody, Ann Marie; Güth, Tina; Stauffer, John; Covey, Kevin; Carey, Sean; Ciardi, David; Duran-Rojas, María C.; **Gutermuth, Robert A.**; Morales-Calderón, María; Rebull, Luisa M.; Watson, Alan M., 2016, ApJ 823, 58, citations: 8
59. *Seeing Through the Ring: Near-infrared Photometry of V582 Mon (KH 15D)*, Arulanantham, Nicole A.; Herbst, William; Cody, Ann Marie; Stauffer, John R.; Rebull, Luisa M.; Agol, Eric; Windemuth, Diana; Marengo, Massimo; Winn, Joshua N.; Hamilton, Catrina M.; Mundt, Reinhard; Johns-Krull, Christopher M.; **Gutermuth, Robert A.**, 2016, AJ, 151, 90, citations: 5
60. *CSI 2264: Characterizing Young Stars in NGC 2264 with Stochastically Varying Light Curves*, Stauffer, John; Cody, Ann Marie; Rebull, Luisa; Hillenbrand, Lynne A.; Turner, Neal J.; Carpenter, John; Carey, Sean; Terebey, Susan; Morales-Calderón, María; Alencar, Silvia H. P.; McGinnis, Pauline; Sousa, Alana; Bouvier, Jerome; Venuti, Laura; Hartmann, Lee; Calvet, Nuria; Micela, Giusi; Flaccomio, Ettore; Song, Inseok; **Gutermuth, Rob**; Barrado, David; Vrba, Frederick J.; Covey, Kevin; Herbst, William; Gillen, Edward; Medeiros Guimarães, Marcelo; Bouy, Herve; Favata, Fabio, 2016, AJ, 151, 60, citations: 26
61. *Radio Properties of Young Stellar Objects in the Core of the Serpens South Infrared Dark Cloud*, Kern, Nicholas S.; Keown, Jared A.; Tobin, John J.; Mead, Adrian; **Gutermuth, Robert A.**, 2016, AJ, 151, 42, citations: 7
62. *YSOVAR: Mid-infrared Variability in NGC 1333*, Rebull, L. M.; Stauffer, J. R.; Cody, A. M.; Günther, H. M.; Hillenbrand, L. A.; Poppenhaeger, K.; Wolk, S. J.; Hora, J.; Hernandez, J.; Bayo, A.; Covey, K.; Forbrich, J.; **Gutermuth, R.**; Morales-Calderón, M.; Plavchan, P.; Song, I.; Bouy, H.; Terebey, S.; Cuillandre, J. C.; Allen, L. E., 2015, AJ, 150, 175, citations: 22

63. *SOFIA/FORCAST Observations of Warm Dust in S106: A Fragmented Environment*, Adams, J. D.; Herter, T. L.; Hora, J. L.; Schneider, N.; Lau, R. M.; Staguhn, J. G.; Simon, R.; Smith, N.; Gehrz, R. D.; Allen, L. E.; Bontemps, S.; Carey, S. J.; Fazio, G. G.; **Gutermuth, R. A.**; Guzman Fernandez, A.; Hankins, M.; Hill, T.; Keto, E.; Koenig, X. P.; Kraemer, K. E.; Megeath, S. T.; Mizuno, D. R.; Motte, F.; Myers, P. C.; Smith, H. A., 2015, *ApJ*, 814, 54, citations: 3
64. *Radio Monitoring of the Periodically Variable IR Source LRL 54361: No Direct Correlation between the Radio and IR Emissions*, Forbrich, Jan; Rodríguez, Luis F.; Palau, Aina; Zapata, Luis A.; Muzerolle, James; **Gutermuth, Robert A.**, 2015, *ApJ*, 814, 15, citations: 7
65. *Young Stellar Objects in the Massive Star-forming Region W49*, Saral, G.; Hora, J. L.; Willis, S. E.; Koenig, X. P.; **Gutermuth, R. A.**; Saygac, A. T., 2015, *ApJ*, 813, 25, citations: 14
66. *YSOVAR: Mid-infrared Variability Among YSOs in the Star Formation Region GGD12-15*, Wolk, Scott J.; Günther, H. Moritz; Poppenhaeger, Katja; Cody, A. M.; Rebull, L. M.; Forbrich, J.; **Gutermuth, R. A.**; Hillenbrand, L. A.; Plavchan, P.; Stauffer, J. R.; Covey, K. R.; Song, Inseok, 2015, *AJ*, 150, 145, citations: 13
67. *YSOVAR: Mid-infrared Variability of Young Stellar Objects and Their Disks in the Cluster IRAS 20050+2720*, Poppenhaeger, K.; Cody, A. M.; Covey, K. R.; Günther, H. M.; Hillenbrand, L. A.; Plavchan, P.; Rebull, L. M.; Stauffer, J. R.; Wolk, S. J.; Espaillat, C.; Forbrich, J.; **Gutermuth, R. A.**; Hora, J. L.; Morales-Calderón, M.; Song, Inseok, 2015, *AJ*, 150, 118, citations: 11
68. *Young Stellar Objects in the Gould Belt*, Dunham, Michael M.; Allen, Lori E.; Evans, Neal J., II; Broekhoven-Fiene, Hannah; Cieza, Lucas A.; Di Francesco, James; **Gutermuth, Robert A.**; Harvey, Paul M.; Hatchell, Jennifer; Heiderman, Amanda; Huard, Tracy L.; Johnstone, Doug; Kirk, Jason M.; Matthews, Brenda C.; Miller, Jennifer F.; Peterson, Dawn E.; Young, Kaisa E., 2015, *ApJS*, 220, 11, citations: 119
69. *CSI 2264: Characterizing Young Stars in NGC 2264 With Short-Duration Periodic Flux Dips in Their Light Curves*, Stauffer, John; Cody, Ann Marie; McGinnis, Pauline; Rebull, Luisa; Hillenbrand, Lynne A.; Turner, Neal J.; Carpenter, John; Plavchan, Peter; Carey, Sean; Terebey, Susan; Morales-Calderón, María; Alencar, Silvia H. P.; Bouvier, Jerome; Venuti, Laura; Hartmann, Lee; Calvet, Nuria; Micela, Giusi; Flaccomio, Ettore; Song, Inseok; **Gutermuth, Rob**; Barrado, David; Vrba, Frederick J.; Covey, Kevin; Padgett, Debbie; Herbst, William; Gillen, Edward; Lyra, Wladimir; Medeiros Guimaraes, Marcelo; Bouy, Herve; Favata, Fabio, 2015, *AJ*, 149, 130, citations: 58
70. *YSOVAR: Mid-infrared Variability in the Star-forming Region Lynds 1688*, Günther, H. M.; Cody, A. M.; Covey, K. R.; Hillenbrand, L. A.; Plavchan, P.; Poppenhaeger, K.; Rebull, L. M.; Stauffer, J. R.; Wolk, S. J.; Allen, L.; Bayo, A.; **Gutermuth, R. A.**; Hora, J. L.; Meng, H. Y. A.; Morales-Calderón, M.; Parks, J. R.; Song, Inseok, 2014, *AJ*, 148, 122, citations: 27
71. *Young Stellar Object VARIability (YSOVAR): Long Timescale Variations in the Mid-infrared*, Rebull, L. M.; Cody, A. M.; Covey, K. R.; Günther, H. M.; Hillenbrand, L. A.; Plavchan, P.; Poppenhaeger, K.; Stauffer, J. R.; Wolk, S. J.; **Gutermuth, R.**; Morales-Calderón, M.; Song, I.; Barrado, D.; Bayo, A.; James, D.; Hora, J. L.; Vrba, F. J.; Alves de Oliveira, C.; Bouvier, J.; Carey, S. J.; Carpenter, J. M.; Favata, F.; Flaherty, K.; Forbrich, J.; Hernandez, J.; McCaughrean, M. J.; Megeath, S. T.; Micela, G.; Smith, H. A.; Terebey, S.; Turner, N.; Allen, L.; Ardila, D.; Bouy, H.; Guieu, S., 2014, *AJ*, 148, 92, citations: 50
72. *Connecting X-Ray and Infrared Variability among Young Stellar Objects: Ruling out Potential Sources of Disk Fluctuations*, Flaherty, K. M.; Muzerolle, J.; Wolk, S. J.; Rieke, G.; **Gutermuth, R.**; Balog, Z.; Herbst, W.; Megeath, S. T.; Furlan, E., 2014, *ApJ*, 793, 2, citations: 13
73. *The Extraordinary Far-infrared Variation of a Protostar: Herschel/PACS Observations of LRL54361*, Balog, Zoltan; Muzerolle, James; Flaherty, Kevin; Detre, Örs H.; Bouwman, Jeroen; Furlan, Elise; **Gutermuth, Rob**; Juhasz, Attila; Bally, John; Nielbock, Markus; Klaas, Ulrich; Krause, Oliver; Henning, Thomas; Marton, Gabor, 2014, *ApJ*, 789, 38, citations: 3



74. *An Anomalous Extinction Law in the Cep OB3b Young Cluster: Evidence for Dust Processing during Gas Dispersal*, Allen, Thomas S.; Prchlik, Jakub J.; Megeath, S. Thomas; **Gutermuth, Robert A.**; Pipher, Judith L.; Naylor, Tim; Jeffries, R. D., 2014, *ApJ*, 786, 113, citations: 4
75. *From voids to Coma: the prevalence of pre-processing in the local Universe*, Cybulski, Ryan; Yun, Min S.; Fazio, Giovanni G.; **Gutermuth, Robert A.**, 2014, *MNRAS*, 439, 3564, citations: 38
76. *CSI 2264: Characterizing Accretion-burst Dominated Light Curves for Young Stars in NGC 2264*, Stauffer, John; Cody, Ann Marie; Baglin, Annie; Alencar, Silvia; Rebull, Luisa; Hillenbrand, Lynne A.; Venuti, Laura; Turner, Neal J.; Carpenter, John; Plavchan, Peter; Findeisen, Krzysztof; Carey, Sean; Terebey, Susan; Morales-Calderón, María; Bouvier, Jerome; Micela, Giusi; Flaccomio, Ettore; Song, Inseok; **Gutermuth, Rob**; Hartmann, Lee; Calvet, Nuria; Whitney, Barbara; Barrado, David; Vrba, Frederick J.; Covey, Kevin; Herbst, William; Furesz, Gabor; Aigrain, Suzanne; Favata, Fabio, 2014, *AJ*, 147, 83, citations: 76
77. *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*, Cody, Ann Marie; Stauffer, John; Baglin, Annie; Micela, Giuseppina; Rebull, Luisa M.; Flaccomio, Ettore; Morales-Calderón, María; Aigrain, Suzanne; Bouvier, Jérôme; Hillenbrand, Lynne A.; **Gutermuth, Robert**; Song, Inseok; Turner, Neal; Alencar, Silvia H. P.; Zwintz, Konstanze; Plavchan, Peter; Carpenter, John; Findeisen, Krzysztof; Carey, Sean; Terebey, Susan; Hartmann, Lee; Calvet, Nuria; Teixeira, Paula; Vrba, Frederick J.; Wolk, Scott; Covey, Kevin; Poppenhaeger, Katja; Günther, Hans Moritz; Forbrich, Jan; Whitney, Barbara; Affer, Laura; Herbst, William; Hora, Joseph; Barrado, David; Holtzman, Jon; Marchis, Franck; Wood, Kenneth; Medeiros Guimarães, Marcelo; Lillo Box, Jorge; Gillen, Ed; McQuillan, Amy; Espaillat, Catherine; Allen, Lori; D'Alessio, Paola; Favata, Fabio, 2014, *AJ*, 147, 82, citations: 185
78. *Star Cluster Formation and Feedback*, Krumholz, M. R.; Bate, M. R.; Arce, H. G.; Dale, J. E.; **Gutermuth, R.**; Klein, R. I.; Li, Z.-Y.; Nakamura, F.; Zhang, Q., 2014, *Protostars and Planets VI*, 243, citations: 118
79. *Abundant cyanopolyynes as a probe of infall in the Serpens South cluster-forming region*, Friesen, R. K.; Medeiros, L.; Schnee, S.; Bourke, T. L.; Francesco, J. Di; **Gutermuth, R.**; Myers, P. C., 2013, *MNRAS*, 436, 1513, citations: 37
80. *The Protoplanetary Disks in the Nearby Massive Star-forming Region Cygnus OB2*, Guarcello, M. G.; Drake, J. J.; Wright, N. J.; Drew, J. E.; **Gutermuth, R. A.**; Hora, J. L.; Naylor, T.; Aldcroft, T.; Fruscione, A.; García-Alvarez, D.; Kashyap, V. L.; King, R., 2013, *ApJ*, 773, 135, citations: 18
81. *An X-Ray Survey of the Young Stellar Population of the Lynds 1641 and Iota Orionis Regions*, Pillitteri, I.; Wolk, S. J.; Megeath, S. T.; Allen, L.; Bally, J.; Gagné, M.; **Gutermuth, R. A.**; Hartman, L.; Micela, G.; Myers, P.; Oliveira, J. M.; Sciortino, S.; Walter, F.; Rebull, L.; Stauffer, J., 2013, *ApJ*, 768, 99 (Erratum: 2013, *ApJ*, 773, 80), citations: 35
82. *Filamentary Accretion Flows in the Embedded Serpens South Protocluster*, Kirk, Helen; Myers, Philip C.; Bourke, Tyler L.; **Gutermuth, Robert A.**; Hedden, Abigail; Wilson, Grant W., 2013, *ApJ*, 766, 115, citations: 154
83. *The Luminosities of Protostars in the Spitzer c2d and Gould Belt Legacy Clouds*, Dunham, Michael M.; Arce, Héctor G.; Allen, Lori E.; Evans, Neal J., II; Broekhoven-Fiene, Hannah; Chapman, Nicholas L.; Cieza, Lucas A.; **Gutermuth, Robert A.**; Harvey, Paul M.; Hatchell, Jennifer; Huard, Tracy L.; Kirk, Jason M.; Matthews, Brenda C.; Merín, Bruno; Miller, Jennifer F.; Peterson, Dawn E.; Spezzi, Loredana, 2013, *AJ*, 145, 94, citations: 65
84. *Kinks and Dents in Protoplanetary Disks: Rapid Infrared Variability as Evidence for Large Structural Perturbations*, Flaherty, Kevin; Muzerolle, James; Rieke, George; **Gutermuth, Robert**; Balog, Zoltan; Herbst, William; Megeath, S. T., 2013, *AJ*, 145, 66, citations: 30
85. *Pulsed accretion in a variable protostar*, Muzerolle, James; Furlan, Elise; Flaherty, Kevin; Balog, Zoltan; **Gutermuth, Robert**, 2013, *Nature*, 493, 378, citations: 26

86. *The Spitzer Survey of Interstellar Clouds in the Gould Belt. V. Ophiuchus North Observed with IRAC and MIPS*, Hatchell, J., Terebey, S., Huard, T., Mamajek, E. E., Allen, L., Bourke, T. L., Dunham, M. M., **Gutermuth, R.**, Harvey, P. M., Jørgensen, J. K., Merín, B., Noriega-Crespo, A., Peterson, D. E., 2012, ApJ, 754, 104, citations: 22
87. *YSOVAR: Six Pre-main-sequence Eclipsing Binaries in the Orion Nebula Cluster*, Morales-Calderón, M., Stauffer, J. R., Stassun, K. G., Vrba, F. J., Prato, L., Hillenbrand, L. A., Terebey, S., Covey, K. R., Rebull, L. M., Terndrup, D. M., **Gutermuth, R.**, Song, I., Plavchan, P., Carpenter, J. M., Marchis, F., García, E. V., Margheim, S., Luhman, K. L., Angione, J., Irwin, J. M., 2012, ApJ, 753, 149, citations: 32
88. *Globules and pillars seen in the [CII] 158 micron line with SOFIA*, Schneider, N., Güsten, R., Tremblin, P., Hennemann, M., Minier, V., Hill, T., Comerón, F., Requena-Torres, M. A., Kraemer, K. E., Simon, R., Röllig, M., Stutzki, J., Djupvik, A. A., Zinnecker, H., Marston, A., Csengeri, T., Cormier, D., Lebouteiller, V., Audit, E., Motte, F., Bontemps, S., Sandell, G., Allen, L., Megeath, T., **Gutermuth, R. A.**, 2012, A&AL, 542, 18, citations: 21
89. *Photoevaporating Proplyd-like objects in Cygnus OB2*, Wright, Nicholas, Drake, Jeremy, Drew, Janet E., Guarcello, Mario, **Gutermuth, Robert**, Hora, Joseph, & Kraemer, Kathleen, 2012, ApJL, 746, 21, citations: 48
90. *Spitzer observations of Bow Shocks and Outflows in RCW 38*, Winston, E., Wolk, S. J., Bourke, T. L., Megeath, S. T., **Gutermuth, R.**, Spitzbart, B., 2012, ApJ, 744, 126, citations: 6
91. *The Structure of the Star-forming Cluster RCW 38*, Winston, Elaine, Wolk, Scott J., Bourke, Tyler, Megeath, S. Thomas, **Gutermuth, Robert**, Spitzbart, Brad, 2011, ApJ, 743, 166, citations: 26
92. *AzTEC 1.1 mm images of 16 radio galaxies at  $0.5 < z < 5.2$  and a quasar at  $z = 6.3$* , Humphrey, A., Zeballos, M., Aretxaga, I., Hughes, D. H., Yun, M. S., Cybulski, R., Wilson, Grant W., Austermann, J., Ezawa, H., Kawabe, R., Kohno, K., Perera, T., Scott, K., Sánchez-Arguelles, D., **Gutermuth, R.**, 2011, MNRAS, 418, 74, citations: 16
93. *Molecular Outflows from the Protocluster Serpens South*, Nakamura, Fumitaka, Sugitani, Kohji, Shimajiri, Yoshito, Tsukagoshi, Takashi, Higuchi, Aya, Nishiyama, Shogo, Kawabe, Ryohei, Takami, Michihiro, Karr, Jennifer L., **Gutermuth, Robert A.**, Wilson, Grant, 2011, ApJ, 737, 56, citations: 44
94. *The Spitzer Survey of Interstellar Clouds in the Gould Belt. III. A Multi-wavelength View of Corona Australis*, Peterson, Dawn E., Caratti o Garatti, Alessio, Bourke, Tyler L., Forbrich, Jan, **Gutermuth, Robert A.**, Jørgensen, Jes K., Allen, Lori E., Patten, Brian M., Dunham, Michael M., Harvey, Paul M., Merín, Bruno, Chapman, Nicholas L., Cieza, Lucas A., Huard, Tracy L., Knez, Claudia, Prager, Brian, Evans, Neal J., 2011, ApJS, 194, 43, citations: 52
95. *Near-infrared-imaging Polarimetry Toward Serpens South: Revealing the Importance of the Magnetic Field*, Sugitani, K., Nakamura, F., Watanabe, M., Tamura, M., Nishiyama, S., Nagayama, T., Kandori, R., Nagata, T., Sato, S., **Gutermuth, R. A.**, Wilson, G. W., Kawabe, R., 2011, ApJ, 734, 63, citations: 84
96. *The evolution of stellar structures in dwarf galaxies*, Bastian, N., Weisz, D. R., Skillman, E. D., McQuinn, K. B. W., Dolphin, A. E., **Gutermuth, R. A.**, Cannon, J. M., Ercolano, B., Gieles, M., Kennicutt, R. C., Walter, F., 2011, MNRAS, 412, 1539, citations: 29
97. *Spitzer Observations of the  $\lambda$  Orionis Cluster. II. Disks Around Solar-type and Low-mass Stars*, Hernández, Jesús, Morales-Calderon, Maria, Calvet, Nuria, Hartmann, L., Muzerolle, J., **Gutermuth, R.**, Luhman, K. L., & Stauffer, J., 2010, ApJ, 722, 1226, citations: 30
98. *The Properties of X-ray Luminous Young Stellar Objects in the NGC 1333 and Serpens Embedded Clusters*, Winston, E., Megeath, S. T., Wolk, S. J., Spitzbart, B., **Gutermuth, R.**, Allen, L. E., Hernandez, J., Covey, K., Muzerolle, J., Hora, J. L., Myers, P. C., & Fazio, G. G., 2010, AJ, 140, 266, citations: 58

99. *Circumstellar Structure Around Evolved Stars in the Cygnus-X Star Formation Region*, Kraemer, Kathleen E., Hora, Joseph L., Egan, Michael P., Adams, Joseph, Allen, Lori E., Bontemps, Sylvain, Carey, Sean J., Fazio, Giovanni G., **Gutermuth, Robert**, Keto, Eric, Koenig, Xavier P., Megeath, S. Thomas, Mizuno, Donald R., Motte, Frederique, Price, Stephan D., Schneider, Nicola, Simon, Robert, & Smith, Howard A., 2010, *AJ*, 139, 2319, citations: 12
100. *X-ray and Infrared Emission from Young Stellar Objects Near LkHa 101*, Wolk, Scott J., Winston, Elaine, Bourke, Tyler L., **Gutermuth, Robert**, Megeath, S. Thomas, Spitzbart, Bradley D., & Osten, Rachel, 2010, *ApJ*, 715, 671, citations: 15
101. *The Mass Distribution of Starless and Protostellar Cores in Gould Belt Clouds*, Sadavoy, Sarah I., Di Francesco, James, Bontemps, Sylvain, Megeath, S. Thomas, Rebull, Luisa M., Allgaier, Erin, Carey, Sean, **Gutermuth, Robert**, Hora, Joe, Huard, Tracy, McCabe, Caer-Eve, Muzerolle, James, Noriega-Crespo, Alberto, Padgett, Deborah, & Terebey, Susan, 2010, *ApJ*, 710, 1247, citations: 87
102. *A Spitzer Census of Transitional Protoplanetary Disks with AU-scale Inner Holes*, Muzerolle, James, Allen, Lori E., Megeath, S. Thomas, Hernández, Jesús, & **Gutermuth, Robert A.**, 2010, *ApJ*, 708, 1107, citations: 117
103. *Pre-Main-Sequence Stars in the Cepheus Flare Region*, Kun, Mária, Balog, Zoltán, Kenyon, Scott J., Mamajek, Eric E., & **Gutermuth, Robert A.**, 2009, *ApJS*, 185, 451, citations: 31
104. *Spitzer Observations of the  $\lambda$  Orionis Cluster. I. The Frequency of Young Debris Disks at 5 Myr*, Hernández, Jesús, Calvet, Nuria, Hartmann, L., Muzerolle, J., **Gutermuth, R.**, & Stauffer, J., 2009, *ApJ*, 707, 705, citations: 32
105. *Chandra and Spitzer Observations Reveal New YSOs in the Heart of Trumpler 37*, Mercer, E. P., Miller, J. M., Calvet, N., Hartmann, L., Hernandez, J., Sicilia-Aguilar, A., & **Gutermuth, R.**, 2009, *AJ*, 138, 7, citations: 28
106. *A Spectroscopic Study of Young Stellar Objects in the Serpens Cloud Core and NGC 1333*, Winston, E., Megeath, S. T., Wolk, S. J., Hernandez, J., **Gutermuth, R.**, Muzerolle, J., Hora, J. L., Covey, K., Allen, L. E., Spitzbart, B., Peterson, D., Myers, P., & Fazio, G. G., 2009, *AJ*, 137, 4777, citations: 51
107. *The Spitzer c2d Survey of Nearby Dense Cores. V. Discovery of a VeLLO in the "Starless" Dense Core L328*, Lee, Chang Won, Bourke, Tyler L., Myers, Philip C., Dunham, Mike, Evans, Neal, Lee, Youngung, Huard, Tracy, Wu, Jingwen, **Gutermuth, Robert**, Kim, Mi-Ryang, & Kang, Hyun Woo, 2009, *ApJ*, 693, 1290, citations: 46
108. *The spatial evolution of stellar structures in the Large Magellanic Cloud*, Bastian, Nate, Gieles, Mark, Ercolano, Barbara, & **Gutermuth, Rob**, 2009, *MNRAS*, 392, 868, citations: 83
109. *A Spitzer View of Protoplanetary Disks in the  $\gamma$  Velorum Cluster*, Hernández, Jesús, Hartmann, Lee, Calvet, Nuria, Jeffries, R. D., **Gutermuth, R.**, Muzerolle, J., & Stauffer, J., 2008, *ApJ*, 686, 1195, citations: 175
110. *X-ray and IR Point Source Identification and Characteristics in the Embedded, Massive Star-Forming Region RCW 108*, Wolk, S. J., Spitzbart, B. D., Bourke, T. L., **Gutermuth, R. A.**, Vigil, M., & Comerón, F., 2008, *AJ*, 135, 693, citations: 22
111. *Spitzer Observations of the Orion OBI Association: Disk Census in the Low-Mass Stars*, Hernandez, J., Calvet, N., Briceno, C., Hartmann, L., Vivas, A. K., Muzerolle, J., Downes, J., Allen, L., & **Gutermuth, R.**, 2007, *ApJ*, 671, 1784, citations: 119
112. *A Combined Spitzer and Chandra Survey of Young Stellar Objects in the Serpens Cloud Core*, Winston, E., Megeath, S. T., Wolk, S. J., Muzerolle, J., **Gutermuth, R.**, Hora, J. L., Allen, L. E., Spitzbart, B., Myers, P., & Fazio, G. G., 2007, *ApJ*, 669, 493, citations: 100
113. *Hierarchical star formation in M33: fundamental properties of the star-forming regions*, Bastian, N., Ercolano, B., Gieles, M., Rosolowsky, E., Scheepmaker, R. A., **Gutermuth, R.**, & Efremov, Yu., 2007, *MNRAS*, 379, 1302, citations: 86

114. *Infrared Extinction toward Nearby Star-forming Regions*, Flaherty, K. M., Pipher, J. L., Megeath, S. T., Winston, E. M., **Gutermuth, R. A.**, Muzerolle, J., Allen, L. E., & Fazio, G. G., 2007, *ApJ*, 663, 1069, citations: 281
115. *A Large-Scale Survey of NGC 1333*, Walsh, A. J., Myers, P. C., Di Francesco, J., Mohanty, S., Bourke, T. L., **Gutermuth, R.**, & Wilner, D., 2007, *ApJ*, 655, 958, citations: 64
116. *Discovery of Two T Dwarf Companions with the Spitzer Space Telescope*, Luhman, K. L., Patten, B. M., Marengo, M., Schuster, M. T., Hora, J. L., Ellis, R. G., Stauffer, J. R., Sonnett, S. M., Winston, E., **Gutermuth, R. A.**, Megeath, S. T., Backman, D. E., Henry, T. J., Werner, M. W., & Fazio, G. G., 2007, *ApJ*, 654, 570, citations: 159
117. *Turbulence Driven by Outflow-blown Cavities in the Molecular Cloud of NGC 1333*, Quillen, A. C., Thorndike, S. L., Cunningham, A., Frank, A., **Gutermuth, R. A.**, Blackman, E. G., Pipher, J. L., & Ridge, N., 2005, *ApJ*, 632, 941, citations: 86
118. *Infrared Array Camera (IRAC) Colors of Young Stellar Objects*, Allen, L. E., Calvet, N., D'Alessio, P., Merin, B., Hartmann, L., Megeath, S. T., **Gutermuth, R. A.**, Pipher, J. L., Myers, P. C., & Fazio, G. G., 2004, *ApJS*, 154, 363, citations: 359