

Dr. Adam G. Ginsburg
Jansky Fellow, National Radio Astronomy Observatory
Array Operations Center, 1003 Lopezville Road, Socorro, NM 87801
E-mail: aginsbur@nrao.edu / adam.g.ginsburg@gmail.com
ORCID: 0000-0001-6431-9633
Website: www.adamginsburg.com

Educational Background:

| | |
|------------------------|---------------------------------|
| 2013 PhD Astrophysics | University of Colorado, Boulder |
| 2009 M.S. Astrophysics | University of Colorado, Boulder |
| 2006 B.S. Astrophysics | Rice University |

Professional Employment:

| | | |
|-------------|-----------------------------|--|
| 2016 - | Jansky Fellow | National Radio Astronomy Observatory Socorro, New Mexico |
| 2013 - 2016 | ESO Fellow | European Southern Observatory Garching, Germany |
| 2007 - 2013 | Graduate Research Assistant | Center for Astrophysics and Space Astronomy, University of Colorado, Boulder, CO |
| 2010 - 2013 | Instructor | Department of Astrophysical and Planetary Sciences, University of Colorado, Boulder, CO |
| 2007 - 2011 | Teaching Assistant | Department of Astrophysical and Planetary Sciences, University of Colorado, Boulder, CO |
| 2007 | Research Assistant | Department of Physics and Astronomy, University of Denver, Denver, CO |

Areas of Research:

- The astrophysics of massive star formation and the processes governing the stellar initial mass function.
- The physical properties of the molecular interstellar medium, supersonic turbulence, and formaldehyde and other molecules as probes of local physical conditions.
- Single-dish heterodyne and continuum millimeter observing, radio single-dish and synthesis array imaging, and optical and near infrared imaging and spectroscopy.
- The development of software tools for the analysis and visualization of diffuse and extended emission, spectral data cubes, and large astronomical data sets.

Honors/Awards:

2016 National Radio Astronomy Observatory Jansky Fellowship
2013 European Southern Observatory Garching Postdoctoral Fellowship
2011 University of Colorado Chance Irick Cooke Fellowship for Excellence in Research
2010 NRAO Green Bank Student Observing Support (\$35,000)
2010 NSF GRFP Honorable Mention
2009 NSF GRFP Honorable Mention
2008 NSF GRFP Honorable Mention
2008 NRAO Photo Contest First Prize (\$1000)
2008 University of Colorado Astrophysical and Planetary Sciences Excellence in Teaching award
2006 National Radio Astronomy Observatory - summer REU with David Meier

Research Advising:

| Date | Program | Student | Project |
|-------------|---|---------------------|--|
| Summer 2018 | Google Summer of Code | Sushobhana Patra | Improving <code>astropy</code> -regions: CRTF and FITS region formats |
| Summer 2018 | NRAO REU Student | Connor McClellan | The YSO population of W51 at high resolution |
| Summer 2018 | NRAO REU Student | Justin Otter | Disks and YSOs in Orion at high angular resolution |
| 2017-2018 | PhD Student | Natalie Butterfield | Cloud Kinematics and Geometry in the Central Molecular Zone |
| Summer 2017 | NRAO Summer Student | Virginie Montes | The ionized jet IRAS 16562-3959 |
| Summer 2017 | NRAO REU Student | Terry Melo | A symmetric ionized and molecular jet in W51 |
| 2013 - 2016 | Ludwig-Maximilian University / ESO PhD Thesis Student | Anna Faye McLeod | FUSION: Comparison of hydrodynamic simulations and observations in nearby high mass star forming regions |
| Summer 2015 | ESO Summer Student | Dinos Kousidis | Merging <code>astropy</code> tools into <code>pyspeckit</code> |
| Summer 2014 | Google Summer of Code | Simon Liedtke | New tools for <code>astroquery</code> : XMatch, SkyView, Atomic Line List |
| Summer 2013 | Google Summer of Code | Madhura Parikh | A coherent API for <code>astroquery</code> , a python web database query toolkit |

Teaching:

| Date | Course |
|-------------|---|
| Spring 2013 | Instructor of ASTR 2600: Introduction to Programming for Astronomers (in IDL) |
| Fall 2012 | Instructor of ASTR 2600: Introduction to Programming for Astronomers (in IDL) |
| Summer 2010 | Co-Instructor of ASTR 1020: Stars and Galaxies |
| Fall 2011 | Co-Instructor of ASTR 6000: Graduate Seminar on the Interstellar Medium |
| Fall 2011 | Teaching Assistant for ASTR 3510: Astronomical Observing (imaging) |
| Spring 2010 | Teaching Assistant for ASTR 3520: Astronomical Observing (spectroscopy) |
| Fall 2009 | Teaching Assistant for ASTR 3510: Astronomical Observing (imaging) |
| Fall 2008 | Teaching Assistant for ASTR 3520: Astronomical Observing (spectroscopy) |
| Spring 2008 | Teaching Assistant for ASTR 3510: Astronomical Observing (imaging) |
| Fall 2007 | Teaching Assistant for ASTR 3520: Astronomical Observing (spectroscopy) |

Selected Conferences and Workshops attended (2015-):

| Date | Meeting Name | Role | Talk or Poster Title |
|------|--|-----------------------|---|
| 2018 | Tracing the Flow | Invited Talk | Review and recent results in high-mass cluster formation |
| 2018 | Olympian Symposium: Gas and Stars from milli- to megaparsecs | Talk | Widespread star formation throughout the Galactic center cloud Sgr B2 |
| 2018 | The Early Phase of Star Formation 2018 | Talk | Star Formation Laws Evaluated at our Galaxy's Highest Density |
| 2018 | Oxford Molecular Cloud Workshop | Invited Talk | Cluster formation from GMCs |
| 2017 | Piercing the Galactic Darkness | Invited Talk | Star Formation in the Central Molecular Zone |
| 2017 | Behind the Curtain of Dust II | Talk | High-mass Star Formation in the Galaxy |
| 2017 | Multi-Scale Star Formation | Talk | The effects and importance of feedback on high-mass star formation within massive clusters |
| 2017 | AstroWin | Invited Talk | High-mass star formation in the Galaxy's densest environments: The effects and importance of feedback |
| 2017 | The origin of galaxies, stars, and planets in the era of ALMA | Invited Talk | High-mass star formation and feedback in massive protoclusters |
| 2016 | The Local Truth: Star-Formation and Feedback in the SOFIA Era | Talk | Feedback and Accretion around proto-O-stars |
| 2016 | Half a decade of ALMA: Cosmic Dawns Transformed | Talk | Feedback and Accretion Toward Proto-O-Stars at ALMA's Highest Resolution |
| 2016 | Sexten: The Role of Feedback in Star Cluster Formation and Evolution | Talk | The ineffectiveness of feedback in a nearby forming massive cluster, W51 |
| 2016 | The Early Phase of Star Formation 2016 | Talk | The effects and extent of feedback on dense prestellar gas near proto-OB stars |
| 2016 | From Stars to Massive Stars | Invited Talk | High-mass Stars and Cores in Massive Protoclusters |
| 2016 | APEX Ringberg 2016 | Talk | Dense gas in the Central Molecular Zone is warm and turbulent |
| 2015 | The 6th Zermatt ISM Symposium | Talk | Dense gas in the Central Molecular Zone is warm and heated by turbulence |
| 2015 | Astropy Lorentz Center Workshop (5 days) | Talks & unconferences | radio-astro-tools, astroquery, and spectral-cube |
| 2015 | University of Munich Filaments Workshop (3 days) | Talk | W51: The most active star-forming complex in the Galaxy |
| 2015 | Soul of High Mass Star Formation, Chile | Talk | The Density Structure of the W51 GMC |

Selected Institute Talks:

- | | | |
|--|----------------|---|
| • UConn Colloquium | November, 2018 | High-mass Star and Cluster Formation: Star formation changes with environment |
| • UNM Astronomy Seminar | November, 2017 | High-mass Star and Cluster Formation in the Galaxy |
| • MSU Colloquium | October, 2017 | High-mass Star and Cluster Formation in the Galaxy |
| • UT Austin Colloquium | March, 2017 | High-mass Star and Cluster Formation in the Galaxy |
| • NRAO Socorro Colloquium | November, 2016 | High-mass Star Formation in the Galaxy's Densest Environments |
| • Herzberg Institute Colloquium | November, 2016 | High-mass Star Formation in the Galaxy's Densest Environments |
| • University of Virginia / NRAO Joint Colloquium | November, 2016 | High-mass Star Formation in the Galaxy's Densest Environments |
| • ESO Lunch Talk | 2013 | Examining Massive Cluster Formation with H ₂ CO in W51 |
| • MPIfR Lunch Talk | 2013 | Surveying Star Formation in the Galactic Plane |
| • CfA Lunch Talk | 2013 | Surveying Star Formation in the Galactic Plane |

Software:

I am an active developer of a large variety of astronomical python software tools and a contributor to **astropy** and its affiliates. My github profile (github.com/keflavich) contains a complete list of projects. Below is a selection of my most popular packages:

- **astroquery** (<https://astroquery.readthedocs.org>): a toolkit for querying internet-hosted astronomical databases
- **pyspeckit** (<https://pyspeckit.bitbucket.org>): a software suite for visualizing and analyzing spectral line and spectral cube data
- **spectral-cube** (<https://spectral-cube.rtdfd.org>): a library for the manipulation of radio spectral cube data
- **pyradex** (<https://github.com/keflavich/pyradex>): an object-oriented frontend to the popular RADEX radiative transfer code and its peers
- **image-registration** (https://github.com/keflavich/image_registration): a package designed to determine and correct the offsets between images containing only diffuse emission

Service:

- Organizer of NRAO's Wednesday Lunch Talk series, 2016-
- Organizer of the "Python Coffee and Tutorial" series at ESO, 2014-2016
- Referee for the following journals:
 - *Science*
 - *Nature*
 - *Astrophysical Journal*
 - *Astronomy & Astrophysics*
 - *Monthly Notices of the Royal Astronomical Society*
 - *Proceedings of the Astronomical Society of Japan*
 - *Revista Mexicana de Astronomía y Astrofísica*
- Served on the NRAO (VLA, GBT, VLBA) TAC
- Served on the SOFIA TAC
- Served on the Arizona Radio Observatory TAC
- Panel chair for a NASA grant review panel
- ESO ALMA Fellow Duties as part of the European ALMA Regional Center. Primary duties include software development, maintenance of the Quality Assurance Packager software, and regression testing

- Member of the **astropy** collaboration, serving as lead maintainer of **astroquery** and member of the Spectroscopy Coordinating Committee
- Member of the **montage** (montage.ipac.caltech.edu) Image Mosaic Engine users group
- Member of the Next-Generation VLA (NGVLA) high mass star formation working group
- Member of the SKA Galactic Science working group

Conferences and Workshops hosted:

| Date | Meeting Name | Role |
|------|---|--------------|
| 2016 | Lorentz Center workshop “Apples-to-Apples”: Comparing simulations & observations | Co-organizer |
| 2015 | ESO Central Molecular Zone workshop (2 days) | Organizer |
| 2015 | Florence Simulation-Observation Workshop (5 days) | Organizer |
| 2014 | Workshop on the APEX CMZ 1 mm survey at MPIfR Bonn (1 day) | Organizer |
| 2014 | ALMA Postdoc Symposium, Tokyo | Co-organizer |

Additional Training:

- ESO Fellows Development Program: MBTI (October 8, 2015)
- ESO Fellows Development Program: People Skills (June 18, 2015)
- ESO Fellows Development Program: Networking (February 17, 2015)
- ESO Fellows Development Program: Presentation Skills (July 3, 2014)
- ESO Fellows Development Program: Scientific Writing (March 4, 2014)
- ESO Fellows Development Program: Project Management (January 28, 2014)

Selected telescope time allocations as PI (2015-):

| Telescope | Title | Time | Status |
|---------------------|---|------------|--|
| VLA 2018 | VLA/19A-254: Disks and Outflows around O-type stars in W51 | 15 hours | re-Approved |
| ALMA 2018 | Cycle 6: 2018.1.00057.S: Probing low-mass star formation in the CMZ in Sgr B2 Deep South | 14 hours | re-Approved |
| GBT 2018 | GBT18A-014: MUSTANG Galactic Plane survey pilot: Protoclusters & Massive Stars | 31 hours | Approved, partly Observed |
| VLA 2018 | VLA18A-229: Characterizing high-mass protostars in the whole of Sgr B2 | 36 hours | Observed |
| ALMA 2017 | Cycle 5: 2017.1.01335.L (co-PI): ALMA-IMF: ALMA transforms our view of the origin of stellar masses | 64 hours | Approved |
| ALMA 2017 | Cycle 5: 2017.1.00293.S: Characterizing the accretion structures around the HMYSOs in W51 | 8 hours | Approved |
| ALMA 2017 | Cycle 5: 2017.1.00114.S: Probing low-mass star formation in the CMZ in Sgr B2 Deep South | 14 hours | Approved, partly Observed |
| ALMA 2017 | Cycle 5: 2017.1.00008.S: The core mass function and its evolution in an extreme protocluster | 10 hours | Approved, partly Observed |
| GBT 2016 | GBT17A-195: MUSTANG Galactic Plane survey pilot: Protoclusters & Massive Stars | 31 hours | Approved, observed as GBT18A-014 |
| VLA 2016 | VLA16B-202: Disks and Outflows around O-type stars in W51 | 16 hours | Approved, partly Observed |
| ALMA 2016 | Cycle 4: 2016.1.00620.S: The core mass function and its evolution in an extreme protocluster | 10 hours | Approved, partly Observed |
| ALMA 2016 | Cycle 4: 2016.1.00550.S: (How) do very massive stars form in our Galaxy? | 7.5 hours | Observed |
| ALMA 2015 | Cycle 3: 2015.1.00262.S: Digging for rusty bullets at an explosion site | 1.9 hours | Observed |
| GBT 2015 | GBT/15B-129: Measuring the gas density along the CMZ dust ridge | 13.5 hours | Approved, never observed |
| ATCA 2015 | C3045: Geometry of clouds and HII regions in the CMZ using H2CO | 84 hours | Published 2015A&A...584L...7G |

Selected telescope time allocations as PI (2009 - 2014):

| Telescope | Title | Time | Status |
|------------------------|---|------------------------|--|
| VLA 2014 | VLA15A-164: Studying turbulence through the atomic-to-molecular transition | 3.3 hours | Observed |
| GBT 2014 | GBT14A-329: MUSTANG Galactic Plane survey: HCHIs in the brightest massive proto-clusters (resubmitted as GBT17A-195) | 14 hours | Approved, observed as GBT18A-014 |
| ALMA 2014 | Cycle 2: 2013.1.00308.S: Gas temperature and kinematics as key inputs for star formation theory: Cores and turbulence in the massive protocluster W51 | 2.4 hours | Published: 2017ApJ...842...92G |
| ALMA 2014 | Cycle 2: 2013.1.00269.S: Sgr B2 - The Proving Ground for Star Formation Theories | 6 hours | Published: 2018ApJ...853..171G |
| LOFAR 2014 | Cycle 2: LC2-006: A search for p-H ₂ CO, a potential EoR contaminant, toward the Galactic Center, W43, W44, W49, and M82. | 8 hours | Observed |
| APEX 2014 | H ₂ CO Thermometry of the CMZ to understand its low star formation rate | 250 hours | Published: 2016A&A...586A..50G |
| GBT 2014 | GBT14A-110/GBT12B-221: Density Measurements in G0.253+0.016: Pilot program for CMZ H ₂ CO densitometry | 18 hours | Observed |
| KPNO 2013 | 2013A-0399: Star formation in the Central Molecular Zone: Massive Outflows in Sgr C | 6 hours | Observed |
| EVLA 2013 | 13A/064: Massive stars and ionized gas in the W51 complex | 13 hours, 4 configs | Published: 2016A&A...595A..27G |
| Arecibo 2012 | A2854: Density Map of the W51 Giant Molecular Cloud complex | 13 hours | Published: 2015A&A...573A.106G |
| GBT 2010 | GBT10B-019: Densitometry of young star-forming complexes throughout the Galaxy | 120 hours | Published: 2013ApJ...779...50G |
| Arecibo 2010 | A2584: Densitometry of young star-forming complexes throughout the Galaxy | 60 hours | Published: 2013ApJ...779...50G |
| GBT 2009 | GBT09C-049: Measuring the dense gas mass fraction with H ₂ CO absorption | 4 hours | Published: 2011ApJ...736..149G |

Refereed Publications as of November 20, 2018

14 first author, 85 total, with 3969 citations:

- [1] McLeod, A. F., Dale, J. E., Evans, C. J., **Ginsburg**, A., Kruijssen, J. M. D., Pellegrini, E. W., Ramsay, S. K., & Testi, L., *Feedback from massive stars at low metallicities: MUSE observations of N44 and N180 in the Large Magellanic Cloud*, October, 2018, ArXiv e-prints, arXiv:1810.01433
- [2] Astropy Collaboration, Price-Whelan, A. M., Sipőcz, B. M., Günther, H. M., Lim, P. L., Crawford, S. M., Conseil, S., Shupe, D. L., Craig, M. W., Dencheva, N., **Ginsburg**, A., VanderPlas, J. T., Bradley, L. D., Pérez-Suárez, D., de Val-Borro, M., Aldcroft, T. L., Cruz, K. L., Robitaille, T. P., Tollerud, E. J., Ardelean, C., Babej, T., Bach, Y. P., Bachetti, M., Bakanov, A. V., Bamford, S. P., Barentsen, G., Barmby, P., Baumbach, A., Berry, K. L., Biscani, F., Boquien, M., Bostroem, K. A., Bouma, L. G., Brammer, G. B., Bray, E. M., Breytenbach, H., Buddelmeijer, H., Burke, D. J., Calderone, G., Cano Rodríguez, J. L., Cara, M., Cardoso, J. V. M., Cheedella, S., Copin, Y., Corrales, L., Crichton, D., D'Avella, D., Deil, C., Depagne, É., Dietrich, J. P., Donath, A., Droettboom, M., Earl, N., Erben, T., Fabbro, S., Ferreira, L. A., Finethy, T., Fox, R. T., Garrison, L. H., Gibbons, S. L. J., Goldstein, D. A., Gommers, R., Greco, J. P., Greenfield, P., Groener, A. M., Grollier, F., Hagen, A., Hirst, P., Homeier, D., Horton, A. J., Hosseinizadeh, G., Hu, L., Hunkeler, J. S., Ivezić, Ž., Jain, A., Jenness, T., Kanarek, G., Kendrew, S., Kern, N. S., Kerzendorf, W. E., Khvalko, A., King, J., Kirkby, D., Kulkarni, A. M., Kumar, A., Lee, A., Lenz, D., Littlefair, S. P., Ma, Z., Macleod, D. M., Mastropietro, M., McCully, C., Montagnac, S., Morris, B. M., Mueller, M., Mumford, S. J., Muna, D., Murphy, N. A., Nelson, S., Nguyen, G. H., Ninan, J. P., Nöthe, M., Ogaz, S., Oh, S., Parejko, J. K., Parley, N., Pascual, S., Patil, R., Patil, A. A., Plunkett, A. L., Prochaska, J. X., Rastogi, T., Reddy Janga, V., Sabater, J., Sakurikar, P., Seifert, M., Sherbert, L. E., Sherwood-Taylor, H., Shih, A. Y., Sick, J., Silbiger, M. T., Singanamalla, S., Singer, L. P., Sladen, P. H., Sooley, K. A., Sornarajah, S., Streicher, O., Teuben, P., Thomas, S. W., Tremblay, G. R., Turner, J. E. H., Terrón, V., van Kerkwijk, M. H., de la Vega, A., Watkins, L. L., Weaver, B. A., Whitmore, J. B., Woillez, J., Zabalza, V., & Astropy Contributors, *The Astropy Project: Building an Open-science Project and Status of the v2.0 Core Package*, September, 2018, AJ, 156, 123, 174 *Citation(s)*
- [3] **Ginsburg**, A. & Kruijssen, J. M. D., *A High Cluster Formation Efficiency in the Sagittarius B2 Complex*, September, 2018, ApJ, 864, L17, 1 *Citation(s)*
- [4] How-Huan Chen, H., Pineda, J. E., Goodman, A. A., Burkert, A., Offner, S. S. R., Friesen, R. K., Myers, P. C., Alves, F., Arce, H. G., Caselli, P., Chacon-Tanarro, A., Chun-Yuan Chen, M., Di Francesco, J., **Ginsburg**, A., Keown, J., Kirk, H., Martin, P. G., Matzner, C., Punanova, A., Redaelli, E., Rosolowsky, E., Scibelli, S., Seo, Y. M., Shirley, Y., & Singh, A., *Droplets I: Pressure-Dominated Sub-0.1 pc Coherent Structures in L1688 and B18*, September, 2018, ArXiv e-prints, arXiv:1809.10223
- [5] Mills, E. A. C., **Ginsburg**, A., Immer, K., Barnes, J. M., Wiesenfeld, L., Faure, A., Morris, M. R., & Requena-Torres, M. A., *The Dense Gas Fraction in Galactic Center Clouds*, September, 2018, ArXiv e-prints, arXiv:1810.00266
- [6] Liu, H. B., Chen, H.-R. V., Román-Zúñiga, C. G., Galván-Madrid, R., **Ginsburg**, A., Ho, P. T. P., Minh, Y. C., Jiménez-Serra, I., Testi, L., & Zhang, Q., *Investigating fragmentation of gas structures in OB cluster-forming molecular clump G33.92+0.11 with 1000 AU resolution observations of ALMA*, August, 2018, ArXiv e-prints, arXiv:1808.07702, 0 *Citation(s)*
- [7] Monsch, K., Pineda, J. E., Liu, H. B., Zucker, C., How-Huan Chen, H., Pattle, K., Offner, S. S. R., Di Francesco, J., **Ginsburg**, A., Ercolano, B., Arce, H. G., Friesen, R., Kirk, H., Caselli, P., & Goodman, A. A., *Dense Gas Kinematics and a Narrow Filament in the Orion A OMC1 Region Using NH₃*, July, 2018, ApJ, 861, 77, 5 *Citation(s)*
- [8] **Ginsburg**, A., Bally, J., Goddi, C., Plambeck, R., & Wright, M., *A Keplerian Disk around Orion SrCI, a 15 Msun YSO*, June, 2018, ApJ, 860, 119, 5 *Citation(s)*
- [9] Kong, S., Arce, H. G., Feddersen, J. R., Carpenter, J. M., Nakamura, F., Shimajiri, Y., Isella, A., Ossenkopf-Okada, V., Sargent, A. I., Sánchez-Monge, Á., Suri, S. T., Kauffmann, J., Pillai, T., Pineda, J. E., Koda, J., Bally, J., Lis, D. C., Padoan, P., Klessen, R., Mairs, S., Goodman, A., Goldsmith, P., McGehee, P., Schilke, P., Teuben, P. J., José Maureira, M., Hara, C., **Ginsburg**, A., Burkhart, B., Smith, R. J., Schmiedeke, A., Pineda, J. L., Ishii, S., Sasaki, K., Kawabe, R., Urasawa, Y., Oyamada, S., & Tanabe, Y., *The CARMA-NRO Orion Survey*, June, 2018, ApJS, 236, 25, 2 *Citation(s)*
- [10] Goddi, C., **Ginsburg**, A., Maud, L., Zhang, Q., & Zapata, L., *Accretion and outflow structures within 1000 AU from high-mass protostars with ALMA longest baselines*, May, 2018, ArXiv e-prints, arXiv:1805.05364, 2 *Citation(s)*
- [11] Youngblood, A., France, K., **Ginsburg**, A., Hoadley, K., & Bally, J., *The Orion Fingers: H₂ Temperatures and Excitation in an Explosive Outflow*, April, 2018, ApJ, 857, 7, 0 *Citation(s)*
- [12] Smith, N., **Ginsburg**, A., & Bally, J., *A disrupted molecular torus around Eta Carinae as seen in 12CO with ALMA*, March, 2018, MNRAS, 474, 4988, 3 *Citation(s)*
- [13] **Ginsburg**, A., Bally, J., Barnes, A., Bastian, N., Battersby, C., Beuther, H., Brogan, C., Contreras, Y., Corby, J., Darling, J., De Pree, C., Galván-Madrid, R., Garay, G., Henshaw, J., Hunter, T., Kruijssen, J. M. D., Longmore, S., Lu, X., Meng, F., Mills, E. A. C., Ott, J., Pineda, J. E., Sánchez-Monge, Á., Schilke, P., Schmiedeke, A., Walker, D., & Wilner, D., *Distributed Star Formation throughout the Galactic Center Cloud Sgr B2*, February, 2018, ApJ, 853, 171, 7 *Citation(s)*
- [14] Walker, D. L., Longmore, S. N., Zhang, Q., Battersby, C., Keto, E., Kruijssen, J. M. D., **Ginsburg**, A., Lu, X., Henshaw, J. D., Kauffmann, J., Pillai, T., Mills, E. A. C., Walsh, A. J., Bally, J., Ho, L. C., Immer, K., & Johnston, K. G., *Star formation in a high-pressure environment: An SMA view of the Galactic centre dust ridge*, February, 2018, MNRAS, 474, 2373, 3 *Citation(s)*

- [15] Sánchez-Monge, Á., Schilke, P., **Ginsburg**, A., Cesaroni, R., & Schmiedeke, A., *STATCONT: A statistical continuum level determination method for line- rich sources*, January, 2018, A&A, 609, A101, 9 Citation(s)
- [16] Redaelli, E., Alves, F. O., Caselli, P., Pineda, J. E., Friesen, R. K., Chacón-Tanarro, A., Matzner, C. D., **Ginsburg**, A., Rosolowsky, E., Keown, J., Offner, S. S. R., Francesco, J. D., Kirk, H., Myers, P. C., Hacar, A., Cimatti, A., Chen, H. H., Chen, M. C., Seo, Y. M., & Lee, K. I., *The Green Bank Ammonia Survey: Unveiling the Dynamics of the Barnard 59 star-forming Clump*, December, 2017, ApJ, 850, 202, 2 Citation(s)
- [17] Keown, J., Di Francesco, J., Kirk, H., Friesen, R. K., Pineda, J. E., Rosolowsky, E., **Ginsburg**, A., Offner, S. S. R., Caselli, P., Alves, F., Chacón-Tanarro, A., Punanova, A., Redaelli, E., Seo, Y. M., Matzner, C. D., Chun-Yuan Chen, M., Goodman, A. A., Chen, H.-H., Shirley, Y., Singh, A., Arce, H. G., Martin, P., & Myers, P. C., *The Green Bank Ammonia Survey: Observations of Hierarchical Dense Gas Structures in Cepheus-L1251*, November, 2017, ApJ, 850, 3, 2 Citation(s)
- [18] Krieger, N., Ott, J., Beuther, H., Walter, F., Kruijssen, J. M. D., Meier, D. S., Mills, E. A. C., Contreras, Y., Edwards, P., **Ginsburg**, A., Henkel, C., Henshaw, J., Jackson, J., Kauffmann, J., Longmore, S., Martin, S., Morris, M. R., Pillai, T., Rickert, M., Rosolowsky, E., Shinnaga, H., Walsh, A., Yusef-Zadeh, F., & Zhang, Q., *The Survey of Water and Ammonia in the Galactic Center (SWAG): Molecular Cloud Evolution in the Central Molecular Zone*, November, 2017, ApJ, 850, 77, 8 Citation(s)
- [19] Kirk, H., Friesen, R. K., Pineda, J. E., Rosolowsky, E., Offner, S. S. R., Matzner, C. D., Myers, P. C., Di Francesco, J., Caselli, P., Alves, F. O., Chacón-Tanarro, A., Chen, H.-H., Chun-Yuan Chen, M., Keown, J., Punanova, A., Seo, Y. M., Shirley, Y., **Ginsburg**, A., Hall, C., Singh, A., Arce, H. G., Goodman, A. A., Martin, P., & Redaelli, E., *The Green Bank Ammonia Survey: Dense Cores Under Pressure in Orion A*, September, 2017, ApJ, 846, 144, 9 Citation(s)
- [20] Friesen, R. K., Pineda, J. E., co-PIs, Rosolowsky, E., Alves, F., Chacón-Tanarro, A., How-Huan Chen, H., Chun-Yuan Chen, M., Di Francesco, J., Keown, J., Kirk, H., Punanova, A., Seo, Y., Shirley, Y., **Ginsburg**, A., Hall, C., Offner, S. S. R., Singh, A., Arce, H. G., Caselli, P., Goodman, A. A., Martin, P. G., Matzner, C., Myers, P. C., Redaelli, E., & The GAS Collaboration, *The Green Bank Ammonia Survey: First Results of NH₃ Mapping of the Gould Belt*, July, 2017, ApJ, 843, 63, 21 Citation(s)
- [21] Sánchez-Monge, Á., Schilke, P., Schmiedeke, A., **Ginsburg**, A., Cesaroni, R., Lis, D. C., Qin, S.-L., Müller, H. S. P., Bergin, E., Comito, C., & Möller, T., *The physical and chemical structure of Sagittarius B2. II. Continuum millimeter emission of Sgr B2(M) and Sgr B2(N) with ALMA*, July, 2017, A&A, 604, A6, 13 Citation(s)
- [22] **Ginsburg**, A., Goddi, C., Kruijssen, J. M. D., Bally, J., Smith, R., Galván-Madrid, R., Mills, E. A. C., Wang, K., Dale, J. E., Darling, J., Rosolowsky, E., Loughnane, R., Testi, L., & Bastian, N., *Thermal Feedback in the High-mass Star- and Cluster-forming Region W51*, June, 2017, ApJ, 842, 92, 8 Citation(s)
- [23] Lin, Y., Liu, H. B., Dale, J. E., Li, D., Busquet, G., Zhang, Z.-Y., **Ginsburg**, A., Galvan-Madrid, R., Kovacs, A., Koch, E., Qian, L., Wang, K., Longmore, S., Chen, H.-R., & Walker, D., *Cloud structure of three Galactic infrared dark star-forming regions from combining ground and space based bolometric observations*, May, 2017, ApJ, 840, 22, 7 Citation(s)
- [24] Schuller, F., Csengeri, T., Urquhart, J. S., Duarte-Cabral, A., Barnes, P. J., Giannetti, A., Hernandez, A. K., Leurini, S., Mattern, M., Medina, S.-N. X., Agurto, C., Azagra, F., Anderson, L. D., Beltrán, M. T., Beuther, H., Bontemps, S., Bronfman, L., Dobbs, C. L., Dumke, M., Finger, R., **Ginsburg**, A., Gonzalez, E., Henning, T., Kauffmann, J., Mac-Auliffe, F., Menten, K. M., Montenegro-Montes, F. M., Moore, T. J. T., Muller, E., Parra, R., Perez-Beaupuits, J.-P., Pettitt, A., Russeil, D., Sánchez-Monge, Á., Schilke, P., Schisano, E., Suri, S., Testi, L., Torstensson, K., Venegas, P., Wang, K., Wienen, M., Wyrowski, F., & Zavagno, A., *SEDIGISM: Structure, excitation, and dynamics of the inner Galactic interstellar medium*, May, 2017, A&A, 601, A124, 6 Citation(s)
- [25] Lu, X., Zhang, Q., Kauffmann, J., Pillai, T., Longmore, S. N., Kruijssen, J. M. D., Battersby, C., Liu, H. B., **Ginsburg**, A., Mills, E. A. C., Zhang, Z.-Y., & Gu, Q., *The Molecular Gas Environment in the 20 km s⁻¹ Cloud in the Central Molecular Zone*, April, 2017, ApJ, 839, 1, 10 Citation(s)
- [26] Bally, J., **Ginsburg**, A., Arce, H., Eisner, J., Youngblood, A., Zapata, L., & Zinnecker, H., *The ALMA View of the OMC1 Explosion in Orion*, March, 2017, ApJ, 837, 60, 26 Citation(s)
- [27] Schap, III, W. J., Barnes, P. J., Ordoñez, A., **Ginsburg**, A., Yonekura, Y., & Fukui, Y., *HCN hyperfine ratio analysis of massive molecular clumps*, March, 2017, MNRAS, 465, 2559, 2 Citation(s)
- [28] Immer, K., Kauffmann, J., Pillai, T., **Ginsburg**, A., & Menten, K. M., *Temperature structures in Galactic Center clouds - Direct evidence for gas heating via turbulence*, November, 2016, A&A, 595, A94, 14 Citation(s)
- [29] McLeod, A. F., Gritschneider, M., Dale, J. E., **Ginsburg**, A., Klaassen, P. D., Mottram, J. C., Preibisch, T., Ramsay, S., Reiter, M., & Testi, L., *Connecting the dots: a correlation between ionising radiation and cloud mass-loss rate traced by optical integral field spectroscopy*, November, 2016, MNRAS, 462, 3537, 10 Citation(s)
- [30] Galametz, M., Zhang, Z.-Y., Immer, K., Humphreys, E., Aladro, R., De Breuck, C., **Ginsburg**, A., Madden, S. C., Möller, P., & Arumugam, V., *Water, methanol and dense gas tracers in the local ULIRG Arp 220: results from the new SEPIA Band 5 Science Verification campaign*, October, 2016, MNRAS, 462, L36, 11 Citation(s)
- [31] **Ginsburg**, A., Goss, W. M., Goddi, C., Galván-Madrid, R., Dale, J. E., Bally, J., Battersby, C. D., Youngblood, A., Sankrit, R., Smith, R., Darling, J., Kruijssen, J. M. D., & Liu, H. B., *Toward gas exhaustion in the W51 high-mass protoclusters*, October, 2016, A&A, 595, A27, 22 Citation(s)

- [32] Lin, Y., Liu, H. B., Li, D., Zhang, Z.-Y., **Ginsburg**, A., Pineda, J. E., Qian, L., Galván-Madrid, R., McLeod, A. F., Rosolowsky, E., Dale, J. E., Immer, K., Koch, E., Longmore, S., Walker, D., & Testi, L., *Cloud Structure of Galactic OB Cluster-forming Regions from Combining Ground- and Space-based Bolometric Observations*, September, 2016, ApJ, 828, 32, 16 Citation(s)
- [33] Eisner, J. A., Bally, J. M., **Ginsburg**, A., & Sheehan, P. D., *Protoplanetary Disks in the Orion OMC1 Region Imaged with ALMA*, July, 2016, ApJ, 826, 16, 19 Citation(s)
- [34] Youngblood, A., **Ginsburg**, A., & Bally, J., *The Orion fingers: Near-IR spectral imaging of an explosive outflow*, June, 2016, AJ, 151, 173, 9 Citation(s)
- [35] Goddi, C., **Ginsburg**, A., & Zhang, Q., *Hot ammonia around young O-type stars. III. High-mass star formation and hot core activity in W51 Main*, May, 2016, A&A, 589, A44, 4 Citation(s)
- [36] Svoboda, B. E., Shirley, Y. L., Battersby, C., Rosolowsky, E. W., **Ginsburg**, A. G., Ellsworth-Bowers, T. P., Pestalozzi, M. R., Dunham, M. K., Evans, II, N. J., Bally, J., & Glenn, J., *The Bolocam Galactic Plane Survey. XIV. Physical Properties of Massive Starless and Star-forming Clumps*, May, 2016, ApJ, 822, 59, 26 Citation(s)
- [37] Henshaw, J. D., Longmore, S. N., Kruijssen, J. M. D., Davies, B., Bally, J., Barnes, A., Battersby, C., Burton, M., Cunningham, M. R., Dale, J. E., **Ginsburg**, A., Immer, K., Jones, P. A., Kendrew, S., Mills, E. A. C., Molinari, S., Moore, T. J. T., Ott, J., Pillai, T., Rathborne, J., Schilke, P., Schmiedeke, A., Testi, L., Walker, D., Walsh, A., & Zhang, Q., *Molecular gas kinematics within the central 250 pc of the Milky Way*, April, 2016, MNRAS, 457, 2675, 61 Citation(s)
- [38] McLeod, A. F., Weilbacher, P. M., **Ginsburg**, A., Dale, J. E., Ramsay, S., & Testi, L., *A nebular analysis of the central Orion nebula with MUSE*, February, 2016, MNRAS, 455, 4057, 7 Citation(s)
- [39] **Ginsburg**, A., Henkel, C., Ao, Y., Riquelme, D., Kauffmann, J., Pillai, T., Mills, E. A. C., Requena-Torres, M. A., Immer, K., Testi, L., Ott, J., Bally, J., Battersby, C., Darling, J., Aalto, S., Stanke, T., Kendrew, S., Kruijssen, J. M. D., Longmore, S., Dale, J., Guesten, R., & Menten, K. M., *Dense gas in the Galactic central molecular zone is warm and heated by turbulence*, February, 2016, A&A, 586, A50, 63 Citation(s)
- [40] Colombo, D., Rosolowsky, E., **Ginsburg**, A., Duarte-Cabral, A., & Hughes, A., *Graph-based interpretation of the Molecular Interstellar Medium Segmentation*, December, 2015, MNRAS, 454, 2067, 18 Citation(s)
- [41] **Ginsburg**, A., Walsh, A., Henkel, C., Jones, P. A., Cunningham, M., Kauffmann, J., Pillai, T., Mills, E. A. C., Ott, J., Kruijssen, J. M. D., Menten, K. M., Battersby, C., Rathborne, J., Contreras, Y., Longmore, S., Walker, D., & Dawson, J., *High-mass star-forming cloud G0.38+0.04 in the Galactic Center Dust Ridge contains H₂CO and SiO masers*, December, 2015, A&A, 584, L7, 19 Citation(s)
- [42] Weilbacher, P. M., Monreal-Ibero, A., Kollatschny, W., **Ginsburg**, A., McLeod, A. F., Kamann, S., Sandin, C., Palsa, R., Wisotzki, L., Bacon, R., Selman, F., Brinchmann, J., Caruana, J., Kelz, A., Martinsson, T., Pécontal-Rousset, A., Richard, J., & Wendt, M., *A MUSE map of the central Orion Nebula (M 42)*, October, 2015, A&A, 582, A114, 30 Citation(s)
- [43] Bally, J., **Ginsburg**, A., Silvia, D., & Youngblood, A., *The Orion fingers: Near-IR adaptive optics imaging of an explosive protostellar outflow*, July, 2015, A&A, 579, A130, 24 Citation(s)
- [44] **ALMA Partnership**, Fomalont, E. B., Vlahakis, C., Corder, S., Remijan, A., Barkats, D., Lucas, R., Hunter, T. R., Brogan, C. L., Asaki, Y., & et al., *The 2014 ALMA Long Baseline Campaign: An Overview*, July, 2015, ApJ, 808, L1, 58 Citation(s)
- [45] Wang, K., Testi, L., **Ginsburg**, A., Walmsley, C. M., Molinari, S., & Schisano, E., *Large-scale filaments associated with Milky Way spiral arms*, July, 2015, MNRAS, 450, 4043, 54 Citation(s)
- [46] Ellsworth-Bowers, T. P., Glenn, J., Riley, A., Rosolowsky, E., **Ginsburg**, A., Evans, II, N. J., Bally, J., Battersby, C., Shirley, Y. L., & Merello, M., *The Bolocam Galactic Plane Survey. XIII. Physical Properties and Mass Functions of Dense Molecular Cloud Structures*, June, 2015, ApJ, 805, 157, 10 Citation(s)
- [47] McLeod, A. F., Dale, J. E., **Ginsburg**, A., Ercolano, B., Gritschneder, M., Ramsay, S., & Testi, L., *The Pillars of Creation revisited with MUSE: gas kinematics and high-mass stellar feedback traced by optical spectroscopy*, June, 2015, MNRAS, 450, 1057, 18 Citation(s)
- [48] Merello, M., Evans, II, N. J., Shirley, Y. L., Rosolowsky, E., **Ginsburg**, A., Bally, J., Battersby, C., & Dunham, M. M., *The Bolocam Galactic Plane Survey. XI. Temperatures and Substructure of Galactic Clumps Based On 350 μ m Observations*, May, 2015, ApJS, 218, 1, 11 Citation(s)
- [49] Thompson, M., Beuther, H., Dickinson, C., Mottram, J., Klaassen, P., **Ginsburg**, A., Longmore, S., Remijan, A., & Menten, K. M., *The ionised, radical and molecular Milky Way: spectroscopic surveys with the SKA*, April, 2015, Advancing Astrophysics with the Square Kilometre Array (AASKA14), 126, 2 Citation(s)
- [50] Ellsworth-Bowers, T. P., Rosolowsky, E., Glenn, J., **Ginsburg**, A., Evans, II, N. J., Battersby, C., Shirley, Y. L., & Svoboda, B., *The Bolocam Galactic Plane Survey. XII. Distance Catalog Expansion Using Kinematic Isolation of Dense Molecular Cloud Structures with ¹³CO(1-0)*, January, 2015, ApJ, 799, 29, 26 Citation(s)
- [51] **Ginsburg**, A., Bally, J., Battersby, C., Youngblood, A., Darling, J., Rosolowsky, E., Arce, H., & Lebrón Santos, M. E., *The dense gas mass fraction in the W51 cloud and its protoclusters*, January, 2015, A&A, 573, A106, 26 Citation(s)

- [52] Bally, J., **Ginsburg**, A., Probst, R., Reipurth, B., Shirley, Y. L., & Stringfellow, G. S., *Outflows, Dusty Cores, and a Burst of Star Formation in the North America and Pelican Nebulae*, December, 2014, AJ, 148, 120, 8 Citation(s)
- [53] Bally, J., Rathborne, J. M., Longmore, S. N., Jackson, J. M., Alves, J. F., Bressert, E., Contreras, Y., Foster, J. B., Garay, G., **Ginsburg**, A., Johnston, K. G., Kruijssen, J. M. D., Testi, L., & Walsh, A. J., *Absorption Filaments toward the Massive Clump G0.253+0.016*, November, 2014, ApJ, 795, 28, 9 Citation(s)
- [54] Battersby, C., **Ginsburg**, A., Bally, J., Longmore, S., Dunham, M., & Darling, J., *The Onset of Massive Star Formation: The Evolution of Temperature and Density Structure in an Infrared Dark Cloud*, June, 2014, ApJ, 787, 113, 24 Citation(s)
- [55] Battersby, C., Bally, J., Dunham, M., **Ginsburg**, A., Longmore, S., & Darling, J., *The Comparison of Physical Properties Derived from Gas and Dust in a Massive Star-forming Region*, May, 2014, ApJ, 786, 116, 22 Citation(s)
- [56] Levesque, E. M., Stringfellow, G. S., **Ginsburg**, A. G., Bally, J., & Keeney, B. A., *The Peculiar Balmer Decrement of SN 2009ip: Constraints on Circumstellar Geometry*, January, 2014, AJ, 147, 23, 47 Citation(s)
- [57] Margutti, R., Milisavljevic, D., Soderberg, A. M., Chornock, R., Zauderer, B. A., Murase, K., Guidorzi, C., Sanders, N. E., Kuin, P., Fransson, C., Levesque, E. M., Chandra, P., Berger, E., Bianco, F. B., Brown, P. J., Challis, P., Chatzopoulos, E., Cheung, C. C., Choi, C., Chomiuk, L., Chugai, N., Contreras, C., Drout, M. R., Fesen, R., Foley, R. J., Fong, W., Friedman, A. S., Gall, C., Gehrels, N., Hjorth, J., Hsiao, E., Kirshner, R., Im, M., Leloudas, G., Lunnan, R., Marion, G. H., Martin, J., Morrell, N., Neugent, K. F., Omodei, N., Phillips, M. M., Rest, A., Silverman, J. M., Strader, J., Stritzinger, M. D., Szalai, T., Utterback, N. B., Vinko, J., Wheeler, J. C., Arnett, D., Campana, S., Chevalier, R., **Ginsburg**, A., Kamble, A., Roming, P. W. A., Pritchard, T., & Stringfellow, G., *A Panchromatic View of the Restless SN 2009ip Reveals the Explosive Ejection of a Massive Star Envelope*, January, 2014, ApJ, 780, 21, 124 Citation(s)
- [58] **Ginsburg**, A., Federrath, C., & Darling, J., *A Measurement of the Turbulence-driven Density Distribution in a Non-star-forming Molecular Cloud*, December, 2013, ApJ, 779, 50, 22 Citation(s)
- [59] Shirley, Y. L., Ellsworth-Bowers, T. P., Svoboda, B., Schlingman, W. M., **Ginsburg**, A., Rosolowsky, E., Gerner, T., Mairs, S., Battersby, C., Stringfellow, G., Dunham, M. K., Glenn, J., & Bally, J., *The Bolocam Galactic Plane Survey. X. A Complete Spectroscopic Catalog of Dense Molecular Gas Observed toward 1.1 mm Dust Continuum Sources with $7.5 \leq l \leq 194$* , November, 2013, ApJS, 209, 2, 45 Citation(s)
- [60] Astropy Collaboration, Robitaille, T. P., Tollerud, E. J., Greenfield, P., Droettboom, M., Bray, E., Aldcroft, T., Davis, M., **Ginsburg**, A., Price-Whelan, A. M., Kerzendorf, W. E., Conley, A., Crighton, N., Barbary, K., Muna, D., Ferguson, H., Grollier, F., Parikh, M. M., Nair, P. H., Unther, H. M., Deil, C., Woillez, J., Conseil, S., Kramer, R., Turner, J. E. H., Singer, L., Fox, R., Weaver, B. A., Zabalza, V., Edwards, Z. I., Azalee Bostroem, K., Burke, D. J., Casey, A. R., Crawford, S. M., Dencheva, N., Ely, J., Jenness, T., Labrie, K., Lim, P. L., Pierfederici, F., Pontzen, A., Ptak, A., Retsdal, B., Servillat, M., & Streicher, O., *Astropy: A community Python package for astronomy*, October, 2013, A&A, 558, A33, 1568 Citation(s)
- [61] **Ginsburg**, A., Glenn, J., Rosolowsky, E., Ellsworth-Bowers, T. P., Battersby, C., Dunham, M., Merello, M., Shirley, Y., Bally, J., Evans, II, N. J., Stringfellow, G., & Aguirre, J., *The Bolocam Galactic Plane Survey. IX. Data Release 2 and Outer Galaxy Extension*, October, 2013, ApJS, 208, 14, 73 Citation(s)
- [62] Kendrew, S., **Ginsburg**, A., Johnston, K., Beuther, H., Bally, J., Cyganowski, C. J., & Battersby, C., *Early-stage Massive Star Formation near the Galactic Center: Sgr C*, October, 2013, ApJ, 775, L50, 19 Citation(s)
- [63] Fallscheer, C., Reid, M. A., Di Francesco, J., Martin, P. G., Hill, T., Hennemann, M., Nguyen-Luong, Q., Motte, F., Men'shchikov, A., André, P., Ward-Thompson, D., Griffin, M., Kirk, J., Konyves, V., Rygl, K. L. J., Sadavoy, S., Sauvage, M., Schneider, N., Anderson, L. D., Benedettini, M., Bernard, J.-P., Bontemps, S., **Ginsburg**, A., Molinari, S., Polychroni, D., Rivera-Ingraham, A., Roussel, H., Testi, L., White, G., Williams, J. P., Wilson, C. D., Wong, M., & Zavagno, A., *Herschel Reveals Massive Cold Clumps in NGC 7538*, August, 2013, ApJ, 773, 102, 16 Citation(s)
- [64] Ellsworth-Bowers, T. P., Glenn, J., Rosolowsky, E., Mairs, S., Evans, II, N. J., Battersby, C., **Ginsburg**, A., Shirley, Y. L., & Bally, J., *The Bolocam Galactic Plane Survey. VIII. A Mid-infrared Kinematic Distance Discrimination Method*, June, 2013, ApJ, 770, 39, 34 Citation(s)
- [65] Harvey, P. M., Fallscheer, C., **Ginsburg**, A., Terebey, S., André, P., Bourke, T. L., Di Francesco, J., Könyves, V., Matthews, B. C., & Peterson, D. E., *A First Look at the Auriga-California Giant Molecular Cloud with Herschel and the CSO: Census of the Young Stellar Objects and the Dense Gas*, February, 2013, ApJ, 764, 133, 31 Citation(s)
- [66] Smith, N., Arnett, W. D., Bally, J., **Ginsburg**, A., & Filippenko, A. V., *The ring nebula around the blue supergiant SBW1: pre-explosion snapshot of an SN 1987A twin*, February, 2013, MNRAS, 429, 1324, 24 Citation(s)
- [67] Bressert, E., **Ginsburg**, A., Bally, J., Battersby, C., Longmore, S., & Testi, L., *How to Find Young Massive Cluster Progenitors*, October, 2012, ApJ, 758, L28, 46 Citation(s)
- [68] **Ginsburg**, A., Bressert, E., Bally, J., & Battersby, C., *There are No Starless Massive Proto-clusters in the First Quadrant of the Galaxy*, October, 2012, ApJ, 758, L29, 61 Citation(s)
- [69] Bally, J., Youngblood, A., & **Ginsburg**, A., *The Spindle: An Irradiated Disk and Bent Protostellar Jet in Orion*, September, 2012, ApJ, 756, 137, 6 Citation(s)

- [70] **Ginsburg**, A., Bally, J., & Williams, J. P., *JCMT HARP CO 3-2 observations of molecular outflows in W5*, December, 2011, MNRAS, 418, 2121, 22 Citation(s)
- [71] Battersby, C., Bally, J., **Ginsburg**, A., Bernard, J.-P., Brunt, C., Fuller, G. A., Martin, P., Molinari, S., Mottram, J., Peretto, N., Testi, L., & Thompson, M. A., *Characterizing precursors to stellar clusters with Herschel*, November, 2011, A&A, 535, A128, 98 Citation(s)
- [72] **Ginsburg**, A., Darling, J., Battersby, C., Zeiger, B., & Bally, J., *Galactic H₂CO Densitometry. I. Pilot Survey of Ultracompact H II Regions and Methodology*, August, 2011, ApJ, 736, 149, 22 Citation(s)
- [73] Schlingman, W. M., Shirley, Y. L., Schenk, D. E., Rosolowsky, E., Bally, J., Battersby, C., Dunham, M. K., Ellsworth-Bowers, T. P., Evans, II, N. J., **Ginsburg**, A., & Stringfellow, G., *The Bolocam Galactic Plane Survey: V. HCO⁺ and N₂H⁺ Spectroscopy of 1.1 mm Dust Continuum Sources*, August, 2011, ApJS, 195, 14, 54 Citation(s)
- [74] van Aarle, E., van Winckel, H., Lloyd Evans, T., Ueta, T., Wood, P. R., & **Ginsburg**, A. G., *The optically bright post-AGB population of the LMC*, June, 2011, A&A, 530, A90+, 46 Citation(s)
- [75] Aguirre, J. E., **Ginsburg**, A. G., Dunham, M. K., Drosback, M. M., Bally, J., Battersby, C., Bradley, E. T., Cyganowski, C., Dowell, D., Evans, II, N. J., Glenn, J., Harvey, P., Rosolowsky, E., Stringfellow, G. S., Walawender, J., & Williams, J. P., *The Bolocam Galactic Plane Survey: Survey Description and Data Reduction*, January, 2011, ApJS, 192, 4, 191 Citation(s)
- [76] Bally, J., Aguirre, J., Battersby, C., Bradley, E. T., Cyganowski, C., Dowell, D., Drosback, M., Dunham, M. K., Evans, II, N. J., **Ginsburg**, A., Glenn, J., Harvey, P., Mills, E., Merello, M., Rosolowsky, E., Schlingman, W., Shirley, Y. L., Stringfellow, G. S., Walawender, J., & Williams, J., *The Bolocam Galactic Plane Survey: $\lambda = 1.1$ and 0.35 mm Dust Continuum Emission in the Galactic Center Region*, September, 2010, ApJ, 721, 137, 74 Citation(s)
- [77] Battersby, C., Bally, J., Jackson, J. M., **Ginsburg**, A., Shirley, Y. L., Schlingman, W., & Glenn, J., *An Infrared Through Radio Study of the Properties and Evolution of IRDC Clumps*, September, 2010, ApJ, 721, 222, 62 Citation(s)
- [78] Yan, C.-H., Minh, Y. C., Wang, S.-Y., Su, Y.-N., & **Ginsburg**, A., *Star-forming Region Sh 2-233IR. I. Deep Near-infrared Observations toward the Embedded Stellar Clusters*, September, 2010, ApJ, 720, 1, 8 Citation(s)
- [79] Bally, J., Anderson, L. D., Battersby, C., Calzoletti, L., Digiorgio, A. M., Faustini, F., **Ginsburg**, A., Li, J. Z., Nguyen-Luong, Q., Molinari, S., Motte, F., Pestalozzi, M., Plume, R., Rodon, J., Schilke, P., Schlingman, W., Schneider-Bontemps, N., Shirley, Y., Stringfellow, G. S., Testi, L., Traficante, A., Veneziani, M., & Zavagno, A., *Herschel observations of the W43 “mini-starburst”*, July, 2010, A&A, 518, L90+, 46 Citation(s)
- [80] Dunham, M. K., Rosolowsky, E., Evans, II, N. J., Cyganowski, C. J., Aguirre, J., Bally, J., Battersby, C., Bradley, E. T., Dowell, D., Drosback, M., **Ginsburg**, A., Glenn, J., Harvey, P., Merello, M., Schlingman, W., Shirley, Y. L., Stringfellow, G. S., Walawender, J., & Williams, J. P., *The Bolocam Galactic Plane Survey: III. Characterizing Physical Properties of Massive Star-forming Regions in the Gemini OB1 Molecular Cloud*, July, 2010, ApJ, 717, 1157, 49 Citation(s)
- [81] Rosolowsky, E., Dunham, M. K., **Ginsburg**, A., Bradley, E. T., Aguirre, J., Bally, J., Battersby, C., Cyganowski, C., Dowell, D., Drosback, M., Evans, II, N. J., Glenn, J., Harvey, P., Stringfellow, G. S., Walawender, J., & Williams, J. P., *The Bolocam Galactic Plane Survey: II. Catalog of the Image Data*, May, 2010, ApJS, 188, 123, 176 Citation(s)
- [82] **Ginsburg**, A. G., Bally, J., Yan, C.-H., & Williams, J. P., *Outflows and Massive Stars in the Protocluster IRAS 05358+3543*, December, 2009, ApJ, 707, 310, 12 Citation(s)
- [83] Rubin, D., Hony, S., Madden, S. C., Tielens, A. G. G. M., Meixner, M., Indebetouw, R., Reach, W., **Ginsburg**, A., Kim, S., Mochizuki, K., Babler, B., Block, M., Bracker, S. B., Engelbracht, C. W., For, B.-Q., Gordon, K., Hora, J. L., Leitherer, C., Meade, M., Misselt, K., Sewilo, M., Vijh, U., & Whitney, B., *A spatially resolved study of photoelectric heating and [C II] cooling in the LMC. Comparison with dust emission as seen by SAGE*, February, 2009, A&A, 494, 647, 35 Citation(s)
- [84] Stringfellow, G. S., Bally, J., & **Ginsburg**, A., *Young Stellar Jets and Outflows in the Massive Star Forming Complex W5*, 2009, Astrophysics and Space Science Proceedings, 13, 623, 0 Citation(s)
- [85] van de Steene, G. C., Ueta, T., van Hoof, P. A. M., Reyniers, M., & **Ginsburg**, A. G., *Kinematics and H₂ morphology of the multipolar post-AGB star IRAS 16594-4656*, March, 2008, A&A, 480, 775, 5 Citation(s)

The following works are submitted or recently accepted, but they are not included in the above counts:

- Mills, E.A.C., **Ginsburg**, A., Clemens, A.R., Schilke, P., Menten, K.M., Buttersfield, N.
Discovery of ¹⁴NH₃ (2,2) Maser Emission in Sgr B2-Main
ApJ, accepted November, 2018
- Colombo, D., Rosolowsky, E., Duarte-Cabral, A. **Ginsburg**, A., Glenn, J., Zetterlund, E., Hernandez, A.K., Dempsey, J., Currie, M.
The integrated properties of the molecular clouds from the JCMT CO(3-2) High Resolution Survey
MNRAS, accepted November, 2018

- **Ginsburg**, Adam and the astroquery team
Astroquery: An Astronomical Web-Querying Package in Python
 ApJ, resubmitted November 2018
 Text available at <http://www.adamginsburg.com/astroquery-paper/>
- **Ginsburg**, Adam, McGuire, B.A., Plambeck, R.L., Bally, J., Wright, M., Goddi, C.
A salty disk around a high-mass protostar
 ApJ, submitted November, 2018
 Text available at <https://www.overleaf.com/read/wdnpdbftzwmr>
- Lu, X., Zhang, Q., Kauffmann, J., Pillai, T., **Ginsburg**, A., Mills, E.A.C., Kruijssen, J.M.D., Longmore, S.N., Battersby, C., Liu, H.B., Gu, Q.
Star Formation Rates of Massive Molecular Clouds in the Central Molecular Zone
 ApJ, submitted October, 2018