

Dr. Adam G. Ginsburg
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Educational Background:

May 9, 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
Fall 2013 - Fall 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:

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 mega-parsecs	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
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
2014	ALMA Arc Node Retreat	Talk	ALMA's first look at the extended Sgr B2 Cloud
2014	Sexten Workshop: The Formation of Globular Clusters	Talk	The Galactic population of young massive clusters
2014	Sexten Workshop: The assembly of massive clusters	Talk	The density of W51 and its protoclusters
2014	Early Phase of Star Formation (EPoS 6)	Talk	The density structure of The Brick
2013	.Astronomy 5	Talk	Astroquery: A toolkit for remote data access in python
2012	Labyrinth of Star Formation	Talk	Surveying Pre-Stellar Gas with the BGPS (with an emphasis on what we don't see)

Selected Institute Talks:

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| • 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
- **sdpy** (<https://github.com/keflavich/sdpy>): “Single-Dish python”, a package to support single dish heterodyne data reduction and build data pipelines

Service:

- Organizer of NRAO's Wednesday Lunch Talk series, 2017-
- 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*
 - *Revista Mexicana de Astronomía y Astrofísica*
- Served on the VLA 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 **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:

Telescope	Title	Time	Status
ALMA 2017	Cycle 6: 2018.1.00057.S: Probing low-mass star formation in the CMZ in Sgr B2 Deep South	14 hours	re-Approved
GBT 2017	GBT18A-014: MUSTANG Galactic Plane survey pilot: Protoclusters & Massive Stars	31 hours	Approved, partly Observed
VLA 2017	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
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
ATCA 2015	C3045: Geometry of clouds and HII regions in the CMZ using H ₂ CO	84 hours	Published 2015A&A...584L...7G
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
APEX 2014	H ₂ CO Thermometry of the CMZ to understand its low star formation rate	250 hours	Published: 2016A&A...586A..50G
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 July 31, 2018 [12 first author, 80 total]:

- [1] 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
- [2] **Ginsburg**, A., Bally, J., Goddi, C., Plambeck, R., & Wright, M., *A Keplerian Disk around Orion SrCl, a 15 Msun YSO*, June, 2018, ApJ, 860, 119
- [3] 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
- [4] 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
- [5] 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
- [6] Smith, N., **Ginsburg**, A., & Bally, J., *A disrupted molecular torus around Eta Carinae as seen in 12CO with ALMA*, March, 2018, MNRAS, 474, 4988
- [7] **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
- [8] 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
- [9] 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
- [10] The 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., 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., Crichton, D., DÁvella, 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., Hosseinzadeh, 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., Mastrogiro, 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., *The Astropy Project: Building an inclusive, open-science project and status of the v2.0 core package*, January, 2018, ArXiv e-prints, arXiv:1801.02634
- [11] 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
- [12] 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
- [13] 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
- [14] 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

- [15] 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*, 2017, ApJ, 843, 63
- [16] 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
- [17] **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
- [18] 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
- [19] 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
- [20] 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
- [21] 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
- [22] 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
- [23] 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
- [24] 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
- [25] Galametz, M., Zhang, Z.-Y., Immer, K., Humphreys, E., Aladro, R., De Breuck, C., **Ginsburg**, A., Madden, S. C., Møller, 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
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