Dr. Adam G. Ginsburg
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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:

2023 -	Associate Professor	University of Florida Gainesville, Florida
2019 - 2023	Assistant Professor	University of Florida Gainesville, Florida
2016 - 2019	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 stellar initial mass function.
- The physical properties of the molecular interstellar medium.
- Development of molecular probes of gas physical conditions.
- Observations at several wavelengths, especially radio and infrared.
- The development of astronomical software tools, especially for large data cubes and archival data access.

Funded Grants:

$2.6 million in funding as PI from 2019-2025 from NSF, STSCI, NASA, and the Moore Foundation

Role	Reporting Agency	Grant Title	Dates	Total Allocation
co-I	NASA / NUMFOCUS	Investing in the Astropy Project to Enable Research and Education in Astronomy	Mar/2025-	$117,923
PI	STSCI	JWST: Identifying, counting, and mapping YSOs in Sgr B2: our Galaxy's most massive molecular cloud	Aug/2024-	$186,738
PI	STSCI	JWST: Star formation in W51	Aug/2024-	$158,629
PI	STSCI	JWST: Evolution of Protoplanetary Disks in Westerlund 2	Aug/2023-	$63,238
PI	NASA / NUMFOCUS	Astroquery Maintenance	Jan/23 - Dec/24	$22,738
PI	Moore Foundation	Sustaining and Growing the Astropy Project	Jan/22 - Dec/23	$14,700
PI	NSF (2206511)	Collaborative Research: ACES Galactic Center Mass Flow	Sep/22 - Aug/25	$236,990
PI	NSF (2142300)	CAREER: Mass Measurements in the Galaxy	May/22 - Apr/27	$885,271
PI	NSF/NRAO	NRAO Student Observing Support Award to Nazar Budaiev	Jan/22 - Sep/23	$34,955
PI	NSF (2008101)	Determining the Origin of the Types of Stars found in Galaxies	Aug/20 - Jul/24	$388,179
PI	NSF/NRAO	Star Formation in Sgr B2 DS ? Student Observing Support for Desmond Jeff	May/21 - Apr/23	$34,933
PI	Moore Foundation	Sustaining and Growing the Astropy Project	Jun/21 - May/22	$13,397
PI	Moore Foundation	Sustaining and Growing the Astropy Project	Jun/20 - Jun/21	$13,264
PI	STSCI	JWST: Star Formation along the Galactic Dust Ridge	Jun/21-	$203,261
PI	STSCI	JWST: Testing Protoplanetary Disk Evolution in Westerlund 1	Jun/21-	$30,000
PI	NSF/NRAO	Link CASA to the Astropy ecosystem	Oct/19 - Jan/22	$200,000

Selected Press Coverage

- The MUBLO: an unclassified object in the Galactic Center (2024): nature, metro, msn, popular mechanics, daily mail, "See The Pattern" YouTube channel
- ALMA finds a disk in our neighboring galaxy (2024): Universe Magazine, Astronomy Magazine
- JWST stares into the icy Brick (2023): CNN, space.com
- Salt disk detection (2019): Nature Research Highlight, scitechdaily.com

Honors/Awards:

2025 Universiy of Florida Research Foundation (UFRF) Fellowship
2025 Astropy Berkeley Prize
2024 Waldo W. Neikirk Professorship
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 Supervising (Postdoc):

Scholar	Dates	Project
Miriam Garcia Santa-Maria	2024 - 2025	Hunt for salted disks
Allison Towner	2020-2023	SiO outflows in the ALMA-IMF Program

Research Advising (PhD):

Student	Date & Program	Project
Theo Richardson	PhD 2019-2025	Better understanding of the CMF→IMF through population modeling
Desmond Jeff	PhD 2019-2025	Star Formation, Hot Cores, and the CMF in Sgr B2 DS
Taehwa Yoo	PhD 2022-2027 (expected)	Star Formation and the IMF in W51
Savannah Gramze	PhD 2021-2026 (expected)	Gas infall along the Milky Way's bar
Nazar Budaiev	PhD 2020-2026 (expected)	The YSO population of Sgr B2 seen through masers and long-baseline ALMA observations
Alyssa Bulatek	PhD 2020-2026 (expected)	Which lines trace what processes in the Galactic Center ISM?
Natalie Butterfield	PhD at U. Iowa / NRAO Reber Fellow 2017-2018	Cloud Kinematics and Geometry in the Central Molecular Zone
Anna Faye McLeod	Ludwig-Maximilian University / ESO PhD Thesis Student 2013-2016	FUSION: Comparison of hydrodynamic simulations and observations in nearby high mass star forming regions

Research Advising (Undergraduate):

Date	Program	Student	Project
Summer 2024	Ariane Intern	Camille Bordachar	Cataloging molecules in W51 ALMAmm31
Spring 2023	Undergraduate	Brighten Jiang	GTC EMIR spectroscopy of massive star candidates in The Brick
Summer 2022	Ariane Intern	Allan Petre	VLA observations of W43 for the ALMA-IMF project
Summer 2021, 2022	Undergraduate	Brice Tingle	ALMA-IMF-SPICY: SED fitting of YSOs
Summer 2021	Undergraduate	Morgan Himes	ALMA-IMF-SPICY: SED fitting of YSOs
Summer 2021	UF REU	Sydney Petz	ALMA-IMF-SPICY: SED fitting of YSOs
Spring 2021	Undergraduate	Aden Dawson	JHK H2 imaging of W51 with GTC
Fall 2020-	Undergraduate	Michael Fero	Modeling Paschen Alpha emission from the Galaxy
Fall 2020	Undergraduate	Parker Ormonde	JHK H2 imaging of W51 with GTC
Fall 2020	Undergraduate	Diana Lutz	VLA imaging of ALMA-IMF targets to measure free-free contributions
Summer 2020	UF REU	Danielle Bovie	Fragmentation structure of W51 with ALMA
Spring 2020-	Undergraduate	Madeline Hall	Kinematic structure of Sgr B2
Fall 2019-	Undergraduate	Derod Deal	Ammonia Masers in W51
Summer 2019	NRAO REU Student	Josh Machado	Ammonia Temperature Mapping of W51
Summer 2019	NRAO REU Student	Tiffany Christian	Measuring Mass Functions: Statistical Uncertainties
Summer 2018	Google Summer of Code	Sushobhana Patra	Improving astropy-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
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
Summer 2015	ESO Summer Student	Dinos Kousidis	Merging `astropy` tools into `pyspeckit`
Summer 2014	Google Summer of Code	Simon Liedtke	New tools for `astroquery`: XMatch, SkyView, Atomic Line List
Summer 2013	Google Summer of Code	Madhura Parikh	A coherent API for `astroquery`, a python web database query toolkit

Teaching:

University of Florida

Date	Course
Spring 2025	AST 4930: Star Formation
Fall 2024	AST 4723: Observational Techniques II
Spring 2024	AST 7939: Graduate Star Formation
Fall 2023	QUEST: Knowledge and the Universe
Spring 2023	AST 4930: Star Formation
Fall 2022	AST 4723: Observational Techniques II
Spring 2022	AST 6939: Graduate Star Formation
Fall 2021	AST 3722: Observational Techniques I
Spring 2021	AST 3722: Observational Techniques I
Fall 2020	AST 4723: Observational Techniques II
Spring 2020	AST 3722: Observational Techniques I

I updated the curriculum of the Obs. Tech. courses to use python for data reduction and analysis; the websites with those materials are `https://github.com/keflavich/AST3722_Public_Materials` and `https://github.com/keflavich/AST4723-Public-Materials`. I added a radio astronomy module to AST4723, in which students check out 1.5m radio dishes to obtain HI 21cm spectra of the Galaxy.

University of Colorado

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

Selected Conferences and Workshops attended (2017-):

Date	Meeting Name	Role	Location	Talk or Poster Title
2024	Astrochemistry Coffee Podcast	Interview	Online	The Millimeter Ultra Broadline Object (MUBLO)
2024	Early Phase of Star Formation (EPOS) 2024	Talk	Munich, DE	The Icy Brick
2023	Universe Today Podcast	Interview	Online	The Millimeter Ultra Broadline Object (MUBLO)
2023	Surveying the Galaxy	Review Talk	Pasadena	The Galactic Center
2023	Galactic Center Workshop	Talk	Granada	ACES: The ALMA CMZ Exploration Survey
2022	Computational Astrophysics in the ngVLA era	Talk	NYC	Salt
2022	Seeing the Future	Talk	Mass.	Seeing the Future with SpectralCube and Radio Astro Tools
2022	Early Phase of Star Formation (EPOS) 2022	Talk	Munich, DE	Dynamical, accretion, and photoevaporative truncation of disks living in dense clusters (Disks in Orion)
2021	Clouds to Discs	Talk	Dublin	How do high-mass stars get their mass? Brinary stars as a probe
2021	Beirut ISM	Talk	Beirut / online	The ALMA-IMF Large program: overview and early results on the origin of stellar masses
2020	AAS 236 ISM special session	Invited Talk	Online	Surveys of the dense Galactic ISM with ALMA, VLA, GBT, and SMA
2019	StarFormMapper final conference	Invited Talk	York, UK	Environmental effects within and around forming high-mass clusters
2018	Tracing the Flow	Invited Talk	Lake Windermere, UK	Review and recent results in high-mass cluster formation
2018	Olympian Symposium: Gas and Stars from milli- to megaparsecs	Talk	Greece	Widespread star formation throughout the Galactic center cloud Sgr B2
2018	The Early Phase of Star Formation 2018	Talk	Munich, DE	Star Formation Laws Evaluated at our Galaxy's Highest Density
2018	Oxford Molecular Cloud Workshop	Invited Talk	Oxford, UK	Cluster formation from GMCs
2017	Piercing the Galactic Darkness	Invited Talk	Heidelberg, DE	Star Formation in the Central Molecular Zone
2017	Behind the Curtain of Dust II	Talk	Sesto, IT	High-mass Star Formation in the Galaxy

Selected Institute Talks:

Institute	Date	Talk Title
University of North Florida Colloquium	Nov 2024	Star Formation in the Galaxy
University of Georgia Colloquium	Oct 2024	Astrochemistry as a tool to study Star Formation in the Galaxy
Columbia University Colloquium	Sep 2024	Star Formation in the Galaxy & the MUBLO
University of Washington Colloquium	Jan 2024	Star Formation & Mass Flows in the Galaxy
Syracuse Colloquium	Mar 2023	Star Formation & Mass Measurements in the Galaxy
Daytona State College Colloquium	Mar 2023	A tour of high-mass star formation in the Galaxy
Cagliari Colloquium	Nov 2022	Dynamical mass assembly & Mass Measurements in the Galaxy
MIT Astrochemistry Seminar	May, 2022	Salt as a tool for weighing stars
UMD Colloquium	March, 2022	Mass measurements in the Galaxy
Hamburg University Colloquium	April, 2021	Star Formation in Crowds
MPIfR Colloquium	November, 2020	Star Formation in Crowds
UNAM Morelia Colloquium	April, 2019	Star Formation in Crowds
U. Florida Colloquium	April, 2019	Star Formation in Crowds
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 Virigina / NRAO Joint Colloquium	November, 2016	High-mass Star Formation in the Galaxy's Densest Environments

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.rtfd.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 to the Profession:

- Member of the James Webb Space Telescope Users Committee (2022-)
- Referee for *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 telescope time allocation panels for JWST, NRAO (VLA, GBT, VLBA), SOFIA, Arizona Radio Observatories, and FAST
- Served on grant review panels for the NASA archival data analysis (ADAP), NRAO Student Observing Support, Austrian science fund, Hubble Fellowship, and NSF Postdoctoral Fellowship programs
- Member of the `astropy` collaboration, serving as lead maintainer of `astroquery` and member of the Spectroscopy Coordinating Committee.

Service to the University:

- Astraeus Red Team reviewer (2025)
- Graduate Coordinator for the Department of Astronomy (Spring 2024-)
- Organizer of ArXiv coffee (MWF) at UF 2019-2025
- Committee service:
  - Computing Committee (chair 2019-2022, member 2023-2025)
  - Admissions Committee (member 2019-2021, chair/co-chair 2022-2023)
  - Mentoring (member 2024)
  - Governance (member 2023-2025)
  - Observatory (member 2020-2022, 2024)
  - Graduate Curriculum (member 2022, chair 2023-2025)

Conferences and Workshops hosted:

Date	Meeting Name	Role
2022	Cells to Galaxies Talk Series & Conference	SOC member
2021	CMZOOM Talk Series	Lead organizer
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:

- UF Center for Teaching Excellence program (Fall 2019)
- 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)

Refereed Publications as of September 11, 2025
23 first author, 211 total, with 33432 citations and h-index 54:

[1] Dawson, A., **Ginsburg**, A., & Román-Zúñiga, C. G., *How Massive Star Clusters Form and Evolve: A Near-IR Survey of the W51 Complex*, September, 2025, AJ, 170, 144, *0 Citation(s)*

[2] Budaiev, N. et al., *Properties of H_2O Masers and Their Associated Sources in Sagittarius B2*, August, 2025, ApJ, 989, 52, *0 Citation(s)*

[3] Olguin, F. A. et al., *Massive extended streamers feed high-mass young stars*, August, 2025, Science Advances, 11, eadw4512, *0 Citation(s)*

[4] ***Richardson***, T., **Ginsburg**, A., Rosolowsky, E., Peltonen, J., & Indebetouw, R., *A Framework for Modeling the Evolution of Young Stellar Objects*, August, 2025, ApJ, 989, 95, *0 Citation(s)*

[5] Butterfield, N. O. et al., *Discovery of a Giant Molecular Cloud at the Midpoint of the Galactic Bar Dust Lanes: M4.7–0.8*, July, 2025, ApJ, 988, 99, *1 Citation(s)*

[6] Sofue, Y. et al., *Circumnuclear eccentric gas flow in the Galactic Center revealed by ALMA CMZ Exploration Survey (ACES)*, July, 2025, PASJ, *0 Citation(s)*

[7] Battersby, C. et al., *3D CMZ. I. Central Molecular Zone Overview*, May, 2025, ApJ, 984, 156, *14 Citation(s)*

[8] Battersby, C. et al., *3D CMZ. II. Hierarchical Structure Analysis of the Central Molecular Zone*, May, 2025, ApJ, 984, 157, *8 Citation(s)*

[9] Lipman, D. et al., *3D CMZ. IV. Distinguishing Near versus Far Distances in the Galactic Center Using Spitzer and Herschel*, May, 2025, ApJ, 984, 159, *8 Citation(s)*

[10] Walker, D. L. et al., *3D CMZ. III. Constraining the 3D Structure of the Central Molecular Zone via Molecular Line Emission and Absorption*, May, 2025, ApJ, 984, 158, *9 Citation(s)*

[11] Xu, F. et al., *Dual-band Unified Exploration of three CMZ Clouds (DUET): Cloud-wide census of continuum sources showing low spectral indices*, May, 2025, A&A, 697, A164, *3 Citation(s)*

[12] Crowe, S. et al., *The JWST-NIRCam View of Sagittarius C. I. Massive Star Formation and Protostellar Outflows*, April, 2025, ApJ, 983, 19, *7 Citation(s)*

[13] Beuther, H., Olguin, F. A., Sanhueza, P., Cunningham, N., & **Ginsburg**, A., *Hierarchical accretion flow from the G351 infrared dark filament to its central cores*, March, 2025, A&A, 695, A51, *0 Citation(s)*

[14] Zhang, S. et al., *Subclustering and Star Formation Efficiency in Three Protoclusters in the Central Molecular Zone*, March, 2025, ApJ, 982, L10, *2 Citation(s)*

[15] Kim, W. J. et al., *The Cygnus Allscale Survey of Chemistry and Dynamical Environments: CASCADE: IV. Unveiling the hidden structures in DR18*, February, 2025, A&A, 694, A30, *0 Citation(s)*

[16] Motte, F. et al., *ALMA-IMF: XVI. Mass-averaged temperature of cores and protostellar luminosities in the ALMA-IMF protoclusters*, February, 2025, A&A, 694, A24, *5 Citation(s)*

[17] Sanhueza, P. et al., *Magnetic Fields in Massive Star-forming Regions (MagMaR). V. The Magnetic Field at the Onset of High-mass Star Formation*, February, 2025, ApJ, 980, 87, *6 Citation(s)*

[18] Yang, K. et al., *ALMA observations of massive clouds in the central molecular zone: slim filaments tracing parsec-scale shocks*, February, 2025, A&A, 694, A86, *1 Citation(s)*

[19] Zhang, Z. et al., *ALMA Observations of Massive Clouds in the Central Molecular Zone: External-pressure-confined Dense Cores and Salpeter-like Core Mass Functions*, February, 2025, ApJ, 980, 44, *2 Citation(s)*

[20] Guarcello, M. G. et al., *EWOCS-III: JWST observations of the supermassive star cluster Westerlund 1*, January, 2025, A&A, 693, A120, *3 Citation(s)*

[21] Chen, M. C.-Y. et al., *Filament Accretion and Fragmentation in the Perseus Molecular Cloud*, December, 2024, ApJ, 977, 135, *2 Citation(s)*

[22] Nilipour, A. et al., *Turbulent Pressure Heats Gas and Suppresses Star Formation in Galactic Bar Molecular Clouds*, December, 2024, ApJ, 977, 37, *2 Citation(s)*

[23] Nonhebel, M. et al., *Disruption of a massive molecular cloud by a supernova in the Galactic Centre: Initial results from the ACES project*, November, 2024, A&A, 691, A70, *6 Citation(s)*

[24] Tress, R. G. et al., *Magnetic field morphology and evolution in the Central Molecular Zone and its effect on gas dynamics*, November, 2024, A&A, 691, A303, *17 Citation(s)*

[25] Louvet, F. et al., *ALMA-IMF: XV. Core mass function in the high-mass star formation regime*, October, 2024, A&A, 690, A33, *21 Citation(s)*

[26] Wright, M. et al., *Accretion and Outflow in Orion-KL Source I*, October, 2024, ApJ, 974, 150, *1 Citation(s)*

[27] Álvarez-Gutiérrez, R. H. et al., *ALMA-IMF: XIII. N_2H^+ kinematic analysis of the intermediate protocluster G353.41*, September, 2024, A&A, 689, A74, *11 Citation(s)*

[28] Galván-Madrid, R. et al., *ALMA-IMF. XIV. Free–Free Templates Derived from H41α and Ionized Gas Content in 15 Massive Protoclusters*, September, 2024, ApJS, 274, 15, *8 Citation(s)*

[29] Bonfand, M. et al., *ALMA-IMF. XI. The sample of hot core candidates: A rich population of young high-mass protostars unveiled by the emission of methyl formate*, July, 2024, A&A, 687, A163, *20 Citation(s)*

[30] Dell'Ova, P. et al., *ALMA-IMF. XII. Point-process mapping of 15 massive protoclusters*, July, 2024, A&A, 687, A217, *11 Citation(s)*

[31] Nony, T. et al., *Core to ultracompact HII region evolution in the W49A massive protocluster*, July, 2024, A&A, 687, A84, *8 Citation(s)*

[32] Armante, M. et al., *ALMA-IMF. X. The core population in the evolved W33-Main (G012.80) protocluster*, June, 2024, A&A, 686, A122, *14 Citation(s)*

[33] **Ginsburg**, A. et al., *A Broad Line-width, Compact, Millimeter-bright Molecular Emission Line Source near the Galactic Center*, June, 2024, ApJ, 968, L11, *5 Citation(s)*

[34] ***Jeff***, D. et al., *Thermal Properties of the Hot Core Population in Sagittarius B2 Deep South.*, March, 2024, ApJ, 962, 48, *5 Citation(s)*

[35] Fischer, W. J. et al., *Far-infrared Luminosity Bursts Trace Mass Accretion onto Protostars*, February, 2024, AJ, 167, 82, *5 Citation(s)*

[36] Guarcello, M. G. et al., *EWOCS-I: The catalog of X-ray sources in Westerlund 1 from the Extended Westerlund 1 and 2 Open Clusters Survey*, February, 2024, A&A, 682, A49, *4 Citation(s)*

[37] Hatchfield, H. P. et al., *CMZoom. IV. Incipient High-mass Star Formation throughout the Central Molecular Zone*, February, 2024, ApJ, 962, 14, *10 Citation(s)*

[38] Peltonen, J. et al., *JWST reveals star formation across a spiral arm in M33*, February, 2024, MNRAS, 527, 10668, *18 Citation(s)*

[39] ***Richardson***, T., **Ginsburg**, A., Indebetouw, R., & Robitaille, T. P., *An Updated Modular Set of Synthetic Spectral Energy Distributions for Young Stellar Objects*, February, 2024, ApJ, 961, 188, *8 Citation(s)*

[40] ***Budaiev***, N. et al., *Protostellar Cores in Sagittarius B2 N and M*, January, 2024, ApJ, 961, 4, *10 Citation(s)*

[41] ***Jeff***, D. et al., *Thermal Properties of the Hot Core Population in Sagittarius B2 Deep South*, January, 2024, arXiv e-prints, arXiv:2401.09749, *5 Citation(s)*

[42] Lin, Y. et al., *Massive clumps in W43-main: Structure formation in an extensively shocked molecular cloud*, January, 2024, arXiv e-prints, arXiv:2401.17192, *1 Citation(s)*

[43] McLeod, A. F., Klaassen, P. D., Reiter, M., Henshaw, J., Kuiper, R., & **Ginsburg**, A., *A probable Keplerian disk feeding an optically revealed massive young star*, January, 2024, Nature, 625, 55, *4 Citation(s)*

[44] Towner, A. P. M. et al., *ALMA-IMF. IX. Catalog and Physical Properties of 315 SiO Outflow Candidates in 15 Massive Protoclusters*, January, 2024, ApJ, 960, 48, *17 Citation(s)*

[45] Díaz-González, D. J. et al., *ALMA-IMF. VIII. Combination of Interferometric Continuum Images with Single-dish Surveys and Structural Analysis of Six Protoclusters*, December, 2023, ApJS, 269, 55, *8 Citation(s)*

[46] **Ginsburg**, A. et al., *JWST Reveals Widespread CO Ice and Gas Absorption in the Galactic Center Cloud G0.253+0.016*, December, 2023, ApJ, 959, 36, *5 Citation(s)*

[47] ***Gramze***, S. R. et al., *Evidence of a Cloud–Cloud Collision from Overshooting Gas in the Galactic Center*, December, 2023, ApJ, 959, 93, *11 Citation(s)*

[48] Olguin, F. A. et al., *Digging into the Interior of Hot Cores with ALMA: Spiral Accretion into the High-mass Protostellar Core G336.01-0.82*, December, 2023, ApJ, 959, L31, *17 Citation(s)*

[49] Skretas, I. M. et al., *The Cygnus Allscale Survey of Chemistry and Dynamical Environments: CASCADE. II. A detailed kinematic analysis of the DR21 Main outflow*, November, 2023, A&A, 679, A66, *7 Citation(s)*

[50] ***Bulatek***, A., **Ginsburg**, A., Darling, J., Henkel, C., & Menten, K. M., *The 107 GHz Methanol Transition Is a Dasar in G0.253+0.016*, October, 2023, ApJ, 956, 78, *1 Citation(s)*

[51] Cunningham, N. et al., *ALMA-IMF. VII. First release of the full spectral line cubes: Core kinematics traced by DCN J = (3−2)*, October, 2023, A&A, 678, A194, *20 Citation(s)*

[52] Pandhi, A. et al., *Alignment of dense molecular core morphology and velocity gradients with ambient magnetic fields*, October, 2023, MNRAS, 525, 364, *7 Citation(s)*

[53] Petkova, M. A. et al., *Kinematics of Galactic Centre clouds shaped by shear-seeded solenoidal turbulence*, October, 2023, MNRAS, 525, 962, *6 Citation(s)*

[54] Ryan, D. F. et al., *A Unified Framework for Manipulating N-dimensional Astronomical Data and Coordinate Transformations in Python: The NDCube 2 and Astropy APE-14 World Coordinate System APIs*, October, 2023, ApJ, 956, 44, *1 Citation(s)*

[55] Ballering, N. P. et al., *Isolating Dust and Free-Free Emission in ONC Proplyds with ALMA Band 3 Observations*, September, 2023, ApJ, 954, 127, *17 Citation(s)*

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