

# Rebecca C. Levy

## STScI Postdoctoral Fellow

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## Research Interests

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I investigate

- The role of stellar feedback in shaping the interstellar medium and galaxy evolution
- Young, embedded star clusters, especially in the centers of nearby galaxies
- Starburst galaxies, especially NGC 253 and M 82
- Multiphase gas kinematics and dynamics in nearby galaxies

using multiwavelength photometric and spectroscopic data from ground- and space-based observatories (e.g., radio; (sub-)millimeter interferometric; near-, mid-, far-infrared; optical IFU)

## Experience

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Sept 2024 – present	<b>STScI Postdoctoral Fellow</b> Space Telescope Science Institute, Baltimore, MD, USA 50% independent research / 50% functional work (JWST Science Policies Group)
Oct 2021 – Sept 2024	<b>NSF Astronomy &amp; Astrophysics Postdoctoral Fellow</b> University of Arizona, Dept. of Astronomy/Steward Observatory, Tucson, AZ, USA 90% independent research / 10% outreach (U. Arizona Women in Science and Engineering)

## Education

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Dec 2021	<b>Ph.D. in Astronomy</b> University of Maryland, College Park, MD, USA <i>“Investigating Star Formation Feedback through Gas Kinematics in Nearby Galaxies”</i> Advisor: Prof. Alberto Bolatto
Dec 2017	<b>M.S. in Astronomy</b> University of Maryland, College Park, MD, USA
May 2015	<b>B.S. in Astronomy, B.S. in Physics</b> University of Arizona, Tucson, AZ, USA Cum Laude with Honors

## Publication Summary

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**Total: 50 papers — 1501 citations — h-index = 22**

First-authored & supervised: 9 papers — 237 citations

A full publication list can be found at the end.

## First-Authored & Supervised Publications

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- [9] “*M81 y sus Primas con PRIMA: Spectroscopic Mapping of the M81 Group with FIRESS*”  
Levy, R. C., et al. 2025, PRIMA General Observer Science Book, Vol. 2, in press.
- [8] “*JWST Observations of Starbursts: Massive Star Clusters in the Central Starburst of M 82*”  
Levy, R. C., et al. 2024, [ApJL](#), **973**, 55.
- [7] “*Milky Way and Nearby Galaxies Science with the SALTUS Space Observatory*”  
Levy, R. C., et al. 2024, [JATIS](#), **10**, 4, 042304.
- [6] “[*CII*] Spectral Mapping of the Galactic Wind and Starbursting Disk of M 82 with SOFIA”  
Levy, R. C., et al. 2023, [ApJ](#), **958**, 109 .
- [5] “*The Morpho-Kinematic Architecture of Super Star Clusters in the Center of NGC 253*”  
Levy, R. C., et al. 2022, [ApJ](#), **935**, 19.
- [4] “*Cuspy Dark Matter Density Profiles in Massive Dwarf Galaxies*”  
Cooke, L. H., Levy, R. C., et al. 2022, [MNRAS](#), **512**, 1012.
- [3] “*Outflows from Super Star Clusters in the Central Starburst of NGC 253*”  
Levy, R. C., et al. 2021, [ApJ](#), **912**, 4.
- [2] “*The EDGE-CALIFA Survey: Evidence for Pervasive Extraplanar Diffuse Ionized Gas in Nearby Edge-On Galaxies*”  
Levy, R. C., et al. 2019, [ApJ](#), **882**, 84.
- [1] “*The EDGE-CALIFA Survey: Molecular and Ionized Gas Kinematics in Nearby Galaxies*”  
Levy, R. C., et al. 2018, [ApJ](#), **860**, 92.

## Honors & Awards

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2021	IAU PhD Prize — Honorable Mention (Only a single winner and honorable mention were awarded in this division.)	IAU, Div. H: Interstellar Matter and Local Universe
2020	Andrew S. Wilson Prize for Excellence in Research	U. Maryland, Dept. of Astronomy
2020	Philip E. Angerhofer Outstanding Teaching Assistant Award	U. Maryland, Dept. of Astronomy
2020	Prize for Excellence in Mentoring	U. Maryland, Dept. of Astronomy
2018 – 2019	Outstanding Research Assistant Award	U. Maryland, Graduate School
2016	Graduate Research Fellowship Program — Honorable Mention	NSF

## Grants Awarded

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2025	Collaborator	NASA — ROMAN24	“A Next-Generation Crowded-Field Stellar Photometry Tool for Roman”
2022	\$44,473	NSF	“21st Annual Symposium of the NSF Astronomy and Astrophysics Postdoctoral Fellows”
2021	\$310,000	NSF AAPF	“A Multiscale View of the Effects of Stellar Feedback in the Local Universe”

2019	\$35,000	NRAO	ALMA Student Observing Support
2019	\$90,000	SOFIA/USRA/ NASA	<i>“The GREAT Cigar: Mapping [CII] in the Disk and Outflow of M82”</i>
2019	\$600	U. Maryland	The Jacob K. Goldhaber Travel Grant
2017	\$600	Grad. School	
2019	\$225	U. Maryland	International Conference Student Support Award
2017	\$262	Grad. School	

## Scientific Presentations

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### Invited Reviews and Colloquia

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Feb 2026 ( <i>sched.</i> )	Rochester Inst. Tech./U. Rochester Astronomy Colloquium	Rochester, NY
Oct 2025 ( <i>sched.</i> )	U. Connecticut Astronomy Seminar	Mansfield, CT
Feb 2025	Texas A&M U. Astronomy Colloquium	College Station, TX
Oct 2023	Instituto de Astrofísica de Andalucía Colloquium ( <a href="#">Recorded</a> )	(Virtual)
Oct 2023	Radboud U. Astronomy Colloquium	(Virtual)
Apr 2023	The Galactic Centre Workshop — <b>Review Talk</b>	Granada, Spain
Apr 2023	Hamburg Observatory Colloquium	(Virtual)
Apr 2023	Michigan State U. Astronomy Seminar	(Virtual)
Oct 2022	U. Kansas Physics and Astronomy Department Colloquium	Lawrence, KS
Oct 2019	The Warm Ionized Medium Workshop — <b>Review Talk</b>	Green Bank, WV

### Invited Talks

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Oct 2025 ( <i>sched.</i> )	Lorentz Center Workshop: Galactic Centers as Tracers of Galaxy Evolution	Leiden, Netherlands
Aug 2025	Ascona Meeting on Cosmic ISM and Stellar Populations	Ascona, Switzerland
Oct 2024	Center for Astrophysics (CfA) Seminar	Cambridge, MA
Apr 2024	U. Wisconsin, Madison Monday Science Seminar	(Virtual)
Dec 2023	ALMA at Ten Years: Past, Present and Future	Puerto Varas, Chile
July 2021	The Grande Cascade	(Virtual)
May 2021	Cornell Galaxy Lunch Seminar	(Virtual)
Feb 2021	Princeton Star Formation/ISM Rendezvous	(Virtual)
Nov 2020	Ringberg Workshop Virtual Seminar: <i>“How does small-scale physics drive galaxy evolution?”</i>	(Virtual)
Oct 2020	Center for Cosmology & AstroParticle Physics Seminar	(Virtual)

### Contributed Talks (past 5 years)

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May 2025	Inter+Stellar: Harnessing the Intersection Between Stars and the Interstellar Medium	Baltimore, MD
Nov 2024	Follow the Monarchs: A Journey to Explore the Cosmos at (Sub)milliarcsecond Scales with the ngVLA ( <a href="#">Recorded</a> )	Morelia, Mexico
May 2024	STScI Low Density Universe Meeting	Baltimore, MD
Jan 2024	The 243 <sup>rd</sup> Meeting of the American Astronomical Society	New Orleans, LA
Jan 2024	2024 NSF-AST Fellows Symposium	New Orleans, LA
Jan 2023	The 241 <sup>st</sup> Meeting of the American Astronomical Society	Seattle, WA
Sept 2022	MPIA Galaxy Coffee Seminar	Heidelberg, Germany
Sept 2022	Puzzles of the Galactic Centre	Heidelberg, Germany
Aug 2022	U. Virginia/ NRAO Astronomy Lunch Talk Series	(Virtual)
July 2022	A Holistic View of Stellar Feedback and Galaxy Evolution	Ascona, Switzerland

June 2022	The 240 <sup>th</sup> Meeting of the American Astronomical Society	Pasadena, CA
May 2022	Ringberg Virtual Seminar Series	(Virtual)
Apr 2022	Steward Observatory Journal Club	Tucson, AZ
Apr 2022	NOIRLab FLASH Talk	(Virtual)
Mar 2022	Meeting for ALMA Young Astronomers	(Virtual)
Jan 2022	2022 NSF AAPF Fellows Symposium	(Virtual)
Oct 2021	Caltech Astronomy Tea Talk	(Virtual)
Jan 2021	The 237 <sup>th</sup> Meeting of the American Astronomical Society	(Virtual)
Nov 2020	U. Virginia/ NRAO Astronomy Lunch Talk Series	(Virtual)
Nov 2020	Steward Observatory/ NOAO Galaxy Group Seminar	(Virtual)
Nov 2020	U. Texas at Austin ISM Seminar	(Virtual)
Oct 2020	UCLA Astronomy & Physics Lunch Talk Series	(Virtual)
Oct 2020	STScI Galaxy Journal Club	(Virtual)
Sept 2020	Submillimeter Array (SMA) Seminar	(Virtual)

### Press, Media, & Other Coverage

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June 2025	<a href="#">NIRCam</a> and <a href="#">MIRI</a> images of M82 from JWST program #1701 featured as the NASA/ ESA/CSA JWST Picture of the Month: “ <i>A starburst shines in the infrared.</i> ”
Apr 2024	Quoted in <a href="#">NASA Press Release</a> “ <i>NASA’s Webb Probes an Extreme Starburst Galaxy.</i> ” (Cross-posted by <a href="#">ESA</a> , <a href="#">Webb Telescope</a> , <a href="#">Space.com</a> , <a href="#">U. Arizona</a> , <a href="#">U. Maryland</a> , <a href="#">MPIA</a> , etc.)
Aug 2022	Results from Levy et al. 2022, <a href="#">ApJ</a> cited in the <a href="#">Wikipedia page for NGC 253</a> .
May 2021	Results from Levy et al. 2021, <a href="#">ApJ</a> featured in the NRAO eNews <a href="#">Vol. 14, Issue 5</a> .

### Students Mentored

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Melnick Nebart	Summer 2025	STScI Space Astronomy Summer Program (SASP) <b>Publication:</b> Nebart & Levy, 2025 in prep. Undergrad at Columbia U.
Keaton Donaghue	Oct 2022 –	Co-mentor <b>Publication:</b> Donaghue, ... Levy, et al. 2025 in prep. Undergrad at U. Kansas & NSF GRFP grad student at U. Maryland
Lauren Cooke	May 2020, Summer 2019	<b>Publication:</b> Cooke, Levy, et al. 2022, <a href="#">MNRAS</a> High school senior & undergrad at Harvard U. (Now: AI Data Analyst)
Brandon Davey	Jan 2020	GRAD-MAP Winter Workshop <b>Publication:</b> Cooke, Levy, ... Davey, et al. 2022, <a href="#">MNRAS</a> Undergrad of U. of South Florida (Now: Software Engineer)
Nathnael Feleke	Summer 2019, Jan 2019	GRAD-MAP Summer Scholars Program & Winter Workshop Undergrad at Montgomery College, Takoma Park
Aurora Cid	Jan 2018	GRAD-MAP Winter Workshop Undergrad at CUNY College of Staten Island
Natalia Ramírez Vega	Jan 2017	GRAD-MAP Winter Workshop Undergrad at U. Costa Rica & Fidélitas U. (Now: Senior Data Engineer)

## Professional Service & Memberships

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### Referee for articles published in

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Nature Astronomy, AJ, ApJ, A&A, MNRAS

### Working groups led

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Feb 2025 – present      PRIMA “Cosmic Ecosystems” science working group  
 Apr 2022 – Oct 2024    SALTUS “Milky Way & Nearby Galaxies” science working group

### Conferences organized

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May 2024	<i>“Spatio-spectral Modeling of Interferometric Data: Preparing for the Wideband Era”</i>	SOC
Jan 2023	<i>“2023 NSF AAPF Symposium”</i>	Co-organizer
Oct 2019	<i>“The Warm Ionized Medium Workshop”</i>	SOC

### Seminars organized

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2022 – 2023	Steward Obs. Science Coffee arXiv discussion
2019 – 2020	UMD Dept. of Astronomy weekly arXiv discussion

### Review panels

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Mar 2024	NASA Review Panel — Executive Secretary
Cycle 31	HST TAC
Mar 2023	NSF Review Panel

### Committee service

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Spring 2020	UMD Dept. of Astronomy faculty search committee
2017 – 2020	UMD Dept. of Astronomy Graduate Student Council rep.

### Other service

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(Carried out as part of STScI Fellowship functional duties.)

Cycle 5	Co-lead editor of the JWST Call for Proposals
Cycles 4, 5	JWST TAC Panel Manager

### Collaboration membership

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Sept 2024	STScI ISM* research group
Apr 2023	ACES/JACKS (ALMA CMZ Exploration Survey/JVLA Ammonia CMZ K-band Survey)
Dec 2022	PHANGS (Physics at High Resolution in Nearby Galaxies)
Aug 2015	EDGE (Extragalactic Database for Galaxy Evolution)

### Professional society membership

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International Astronomical Union (IAU) — Junior member  
 American Astronomical Society (AAS) — Full member

## Approved Observing Programs

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### ALMA (Atacama Large Millimeter/submillimeter Array)

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PI of 3 programs:

Cycle 11 *“Unveiling Embedded Star Formation and Feedback in the Prototypical Merger-Starburst VV114”*

Cycle 8 *“Complete Molecular Gas Coverage in Nearby Low-Luminosity AGN”*

Cycle 7 *“Ionized Gas, Radiation Field, Masses, and Dust Temperature in Forming Massive Star Clusters in the NGC253 Starburst”*

Co-I on a total of 32 programs in Cycles 12 (*N=6 incl. 1 large*), 11 (*6*), 10 (*9*), 9 (*3*), 8 (*3*), 7 (*2*), 6 (*2*), 4 (*1*).

### GBT (Green Bank Telescope)

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*I am certified to remotely operate the GBT.*

Co-I on a total of 3 programs in Semesters 2022b (*1*), 2021b (*1 large*), 2021a (*1*).

### HST (Hubble Space Telescope)

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Co-I on a total of 2 programs in Cycles 32 (*1*), 31 (*1 treasury*).

### NOEMA (Northern Extended Millimeter Array)

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Co-I on a total of 2 programs in Semesters 2022a (*1*), 2021b (*1*).

### JWST (James Webb Space Telescope)

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Co-I on a total of 6 programs in Cycles 3 (*1*), 2 (*3 incl. 1 treasury*), 1 (*2*), including:

Cycle 1 *“Dissecting the Prototypical Starbursts NGC253 and M82 and Their Cool Galactic Winds”*

I led the technical planning and justification for this proposal.

### LMT (Large Millimeter Telescope)

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Co-I on a total of 1 program in Semester 2021-S1 (*1*).

### SMA (Submillimeter Array)

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Co-I on a total of 3 programs in Semesters 2025A (*1*), 2024B (*1*), 2018B (*1*).

### SOFIA (Stratospheric Observatory for Infrared Astronomy)

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PI of 1 program:

Cycles 8/7 *“The GREAT Cigar: Mapping [CII] in the Disk and Outflow of M82”*

Co-I on a total of 5 programs in Cycles 9 (*1*), 8 (*2*), 7 (*2*).

### VLA (Very Large Array)

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Co-I on a total of 8 programs in Semesters 2025a (*1*), 2024b (*1*), 2022b (*2*), 2022a (*2*), 2021b (*1*), 2019b (*1*).

## Teaching Experience

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Apr 2023	Guest Lecturer: <i>“Translational Science Communication”</i> ACBS 493/ECOL 499/GEOS 393/NSCS 393: The Bio/Diversity Project Internship Program	U. Arizona
Spring 2020	Teaching and Lab Assistant ASTR 121: Introductory Astrophysics II — Stars & Beyond	U. Maryland
Fall 2019	Teaching Assistant ASTR 120: Introductory Astrophysics I — Solar System	U. Maryland

Sept 2018	Guest Lecturer: <i>“LaTeX Examples with Overleaf”</i> ASTR 695: First Year Seminar	U. Maryland
Spring 2014	Preceptor PHYS 141: Introductory Mechanics	U. Arizona
Spring 2013	Undergraduate Teaching Coordinator MATH 100/100AX: Prep. for College Algebra	U. Arizona
Fall 2012	Undergraduate Teaching Coordinator MATH 100/100AX: Prep. for College Algebra	U. Arizona
Spring 2012	Lead Undergraduate Teaching Assistant MATH 100/100AX: Prep. for College Algebra	U. Arizona
Fall 2011	Undergraduate Teaching Assistant MATH 100/100AX: Prep. for College Algebra	U. Arizona

## Outreach Experience

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### Imagine Your STEM Future (IYSF)

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Women in Science and Engineering (WISE), U. Arizona

- Aug 2023 – Sept 2024 • Developed and implemented a hands-on astronomy lesson and activity for the [WISE IYSF](#) program. Materials for my curriculum about the phases of the Moon can be found in [this Google Drive repository](#).
- Mar 2024, Feb 2023 • Guest lecturer on my career path for students in IYSF program.

### Public Lectures

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- Dec 2022 • Tucson Amateur Astronomy Association Lecture: *“A JWST View of Starburst Galaxies: Sweet Data Coming Soon!”*
- Nov 2022 • Steward Observatory Public Evening Lecture Series: *“A JWST View of Starburst Galaxies: Sweet Data Coming Soon!”*

### Public Events

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Engaged with the public through astronomy/physics/optics demonstrations and activities.

- Apr 2016 – 2019 • Maryland Day, U. Maryland’s annual open house
- Apr 2016 • U.S. Science and Engineering Festival
- March 2014, 2015 • Tucson Festival of Books (part of NOAO EPO, see below)
- June 2013 – 2015 • Arizona-Sonora Desert Museum Cool Summer Astronomy Night (2014, 2015 part of NOAO EPO, see below)

### GRAD-MAP

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#### (Graduate Resources Advancing Diversity with Maryland Astronomy and Physics)

Dept. of Astronomy, U. Maryland

- 2016 – 2020 • Research mentor for four students over four years during the week-long Winter Workshop.
- Co-mentor for one student during the 10-week Summer Scholars program.
- Helped plan Winter Workshops and Summer Scholars programs.
- Developed and led professional development sessions during the Winter Workshops and Summer Scholars programs.
- Co-organized and led two weekend trips to the Green Bank Observatory.
- Helped organize and run the annual Open House, including helping to develop the inaugural Open House.

- Attended Collaborative Seminar Series at local institutions.

## Education and Public Outreach (EPO) Department

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National Optical Astronomy Observatory (NOAO) (Note: NOAO is now NOIRLab)

- Aug 2013 – July 2015
- Key developer of all aspects of the United Nations-sanctioned “International Year of Light 2015” [Quality Lighting Teaching Kit](#), including activity creation and development, materials sourcing, instructional guide and media writing, state and national educational standards verification, and classroom testing. These kits were disseminated internationally and were available for retail sale.
  - Interacted extensively with the public, K-12 students, K-12 teachers, and members of the Tohono O’odham Nation.
  - Developed, planned, prepared, led, and/or supported 1–2 outreach activities per week (on average) focused on astronomy and/or dark skies education.
  - Developed, planned, prepared, led, and/or supported local, national, and international teacher training workshops and outreach events (e.g., at AAS, AGU, and IAU meetings).
  - Supported the Globe at Night citizen-science campaign, including website design, social media, development of materials, newsletter writing, podcast writing and recording, and facilitation of material translations.
  - Hired, trained, mentored, and evaluated other student employees.
- June 2016, 2015
- Guest lecturer and support staff for two [Colors of Nature](#) Summer Academies in Tucson, AZ. This NSF-funded educational research study investigated the development of middle-school girls’ identities as scientists as they explored the intersections of art and science (STEAM) in a two-week program.

## Full Publication List

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**Total: 50 papers — 1501 citations — h-index = 22**

Links to current publications in [ADS](#), [SciX](#), and [ORCID](#).

- [50] “*M81 y sus Primas con PRIMA: Spectroscopic Mapping of the M81 Group with FIRESS*”  
**Levy, R. C.**, Koch, E., Cronin, S. A., Smercina, A., Melso, N. 2025, PRIMA General Observer Science Book, Vol. 2, in press.
- [49] “*Cold dark gas in Cygnus X: The first large-scale mapping of low-frequency carbon recombination lines*”  
 Emig, K. L., Salas, P., Anderson, L. D., Anish Roshni, D., Bonne, L., Bolatto, A. D., Grenier, I. A., **Levy, R. C.**, Linville, D. J., Luisi, M., Owens, M. R., Poojapriyatharsheni, J., Schneider, N., Tibaldo, L., Tielens, A. G. G. M., Walch, S. K., White, G. J. 2025, ApJ, in press, doi: [10.48550/arXiv.2501.13838](#).
- [48] “*Physical Conditions of the Ionized Superwind in NGC 253 with VLT/MUSE*”  
 Cronin, S. A., Bolatto, A. D., Congiu, E., Donaghue, K., Kreckel, K., Leroy, A. K., **Levy, R. C.**, Veilleux, S., Walter, F., Nolasco, L. 2025, ApJ, 987, 92, doi: [10.3847/1538-4357/add738](#).
- [47] “*JWST observations of starbursts: cold clouds and plumes launching in the M82 outflow*”  
 Fisher, D. B., Bolatto, A. D., Chisholm, J., Fielding, D., **Levy, R. C.**, Tarantino, E., Boyer, M. L., Cronin, S. A., Lopez, L. A., Smith, J. D., Berg, D. A., Lopez, S., Veilleux, S., van der Werf, P. P., Böker, T., Boogaard, L. A., Lenkić, L., Glover, S. C. O., Villanueva, V., Mayya, D., Lai, T. S. Y., Dale, D. A., Emig, K. L., Walter, F., Relaño, M., De Looze, I., Mills, E. A. C., Leroy, A. K., Meier, D. S., Herrera-Camus, R., Klessen, R. S. 2025, MNRAS, 538, 3068, doi: [10.1093/mnras/staf363](#).
- [46] “*Tracing the Earliest Stages of Star and Cluster Formation in 19 Nearby Galaxies with PHANGS-JWST and HST: Compact 3.3  $\mu$ m Polycyclic Aromatic Hydrocarbon Emitters and Their Relation to*



*the Optical Census of Star Clusters*

Rodríguez, M. J., Lee, J. C., Indebetouw, R., Whitmore, B. C., Maschmann, D., Williams, T. G., Chandar, R., Barnes, A. T., Gnedin, O. Y., Sandstrom, K. M., Rosolowsky, E., Leroy, A. K., Thilker, D. A., Kim, H., Sun, J., Klessen, R. S., Groves, B., Wofford, A., Boquien, M., Dale, D. A., Úbeda, L., Larson, K. L., Grasha, K., Johnson, K. E., **Levy, R. C.**, Bigiel, F., Hassani, H., Sarbadhicary, S. K. 2025, ApJ, 983, 137, doi: [10.3847/1538-4357/adbb69](https://doi.org/10.3847/1538-4357/adbb69).

- [45] *“JWST Observations of Starbursts: Relations between PAH features and CO clouds in the starburst galaxy M82”*

Villanueva, V., Bolatto, A. D., Herrera-Camus, R., Leroy, A., Fisher, D. B., **Levy, R. C.**, Böker, T., Boogaard, L., Cronin, S. A., Dale, D. A., Emig, K., De Looze, I., Donnelly, G. P., Lai, T. S. Y., Lenkic, L., Lopez, L. A., Lopez, S., Meier, D. S., Ott, J., Relano, M., Smith, J. D., Tarantino, E., Veilleux, S., Walter, F., van der Werf, P. 2025, A&A, 695, A202, doi: [10.1051/0004-6361/202553891](https://doi.org/10.1051/0004-6361/202553891).

- [44] *“Central versus Global Quenching Traced by the APEX-CALIFA Survey”*

Barrera-Ballesteros, J. K., Cruz-González, I., Colombo, D., Sánchez, S. F., **Levy, R. C.**, Villanueva, V., Wong, T., Bolatto, A., Alonso Hernández, D. 2025, ApJ, 978, 23, doi: [10.3847/1538-4357/ad85d1](https://doi.org/10.3847/1538-4357/ad85d1).

- [43] *“Single Aperture Large Telescope for Universe Studies (SALTUS): Science Overview”*

Chin, G., Anderson, C. M., Bergner, J., Biver, N., Bjoraker, G. L., Cavalie, T., DiSanti, M., Gao, J.-R., Hartogh, P., Harding, L. K., Hu, Q., Kim, D., Kulesa, C., de Lange, G., Leisawitz, D. T., **Levy, R. C.**, Lichtenberger, A., Marrone, D. P., Najita, J., Newswander, T., Rieke, G. H., Rigopoulou, D., Roefsema, P., Roth, N. X., Schwarz, K., Shirley, Y., Spilker, J., Stark, A. A., van der Tak, F., Takashima, Y., Tielens, A., Willner, D. J., Wollack, E. J., Yates, S., Young, E., Walker, C. K. 2024, JATIS, 10, 042310, doi: [10.1117/1.JATIS.10.4.042310](https://doi.org/10.1117/1.JATIS.10.4.042310).

- [42] *“Disk Turbulence and Star Formation Regulation in High- $z$  Main-sequence Analog Galaxies”*

Lenkić, L., Fisher, D. B., Bolatto, A. D., Teuben, P. J., **Levy, R. C.**, Sun, J., Herrera-Camus, R., Glazebrook, K., Obreschkow, D., Abraham, R. 2024, ApJ, 976, 88, doi: [10.3847/1538-4357/ad758c](https://doi.org/10.3847/1538-4357/ad758c).

- [41] *“JWST MIRI and NIRCам observations of NGC 891 and its circumgalactic medium”*

Chastenet, J., De Looze, I., Relaño, M., Dale, D. A., Williams, T. G., Bianchi, S., Xilouris, E. M., Baes, M., Bolatto, A. D., Boyer, M. L., Casasola, V., Clark, C. J. R., Fraternali, F., Fritz, J., Galliano, F., Glover, S. C. O., Gordon, K. D., Hirashita, H., Kennicutt, R., Nagamine, K., Kirchschlager, F., Klessen, R. S., Koch, E. W., **Levy, R. C.**, McCallum, L., Madden, S. C., McLeod, A. F., Meidt, S. E., Mosenkov, A. V., Richie, H. M., Saintonge, A., Sandstrom, K. M., Schneider, E. E., Sivkova, E. E., Smith, J. D. T., Smith, M. W. L., van der Wel, A., Walch, S., Walter, F., Wood, K. 2024, A&A, 690, A348, doi: [10.1051/0004-6361/202451033](https://doi.org/10.1051/0004-6361/202451033).

- [40] *“Neutral atomic and molecular gas dynamics in the nearby spiral galaxies NGC 1512, NGC 4535, and NGC 7496”*

Laudage, S., Eibensteiner, C., Bigiel, F., Leroy, A. K., Meidt, S., Schinnerer, E., de Blok, W. J. G., Querejeta, M., Stuber, S., Colombo, D., Rosolowsky, E., Pisano, D. J., Utomo, D., **Levy, R. C.**, Klessen, R., Cao, Y., Koch, E. W., Kurapati, S., Sanchez-Blazquez, P., Neumann, J., Neumann, L., Pan, H.-A., Williams, T. G. 2024, A&A, 690, A169, doi: [10.1051/0004-6361/202450265](https://doi.org/10.1051/0004-6361/202450265).

- [39] *“JWST Observations of Starbursts: Massive Star Clusters in the Central Starburst of M82”*

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- [38] *“Milky Way and Nearby Galaxies Science with the SALTUS Space Observatory”*

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