Rebecca C. Levy

National Science Foundation Astronomy & Astrophysics Postdoctoral Fellow

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Research Interests

- The role of stellar feedback in shaping the interstellar medium and galaxy evolution
- Multiphase gas kinematics and dynamics in nearby galaxies
- Young, embedded star clusters and galaxy centers
- Multiwavelength spectroscopic observations: radio, (sub-)millimeter, near–far infrared, optical

Experience

Oct 2021 – present	**NSF Astronomy & Astrophysics Postdoctoral Fellow** Dept. of Astronomy/Steward Observatory, University of Arizona, Tucson, AZ
Aug 2015 – Sept 2021	**Graduate Research Assistant** Dept. of Astronomy, University of Maryland, College Park, MD
Aug 2019 – May 2020	**Graduate Teaching/Lab Assistant** Dept. of Astronomy, University of Maryland, College Park, MD

Education

Dec 2021	**Ph.D. in Astronomy** University of Maryland, College Park, MD *"Investigating Star Formation Feedback through Gas Kinematics in Nearby Galaxies"* Advisor: Prof. Alberto Bolatto
Dec 2017	**M.S. in Astronomy** University of Maryland, College Park, MD *"The EDGE-CALIFA Survey: Molecular and Ionized Gas Kinematics"* Advisor: Prof. Alberto Bolatto
May 2015	**B.S. in Astronomy, B.S. in Physics** University of Arizona, Tucson, AZ Cum Laude with Honors

Publication Summary

Total: 31 papers — 765 citations — h-index = 14
First-author & supervised: 5 papers — 108 citations — h-index = 4

Link to current publications in ADS
A full publication list can be found at the end

Honors & Awards

2021	IAU PhD Prize Honorable Mention	Div. H Interstellar Matter & 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
2019, 2017	International Conference Student Support Award	U. Maryland, Graduate School
2019, 2017	The Jacob K. Goldhaber Travel Grant	U. Maryland, Graduate School
2018 – 2019	Outstanding Research Assistant Award	U. Maryland, Graduate School
2016	Graduate Research Fellowship Program Honorable Mention	National Science Foundation

Grants Awarded

2021	$300,000	NSF AAPF	*"A Multiscale View of the Effects of Stellar Feedback in the Local Universe"*
2019	$90,000	SOFIA/USRA/NASA	*"The GREAT Cigar: Mapping [CII] in the Disk and Outflow of M82"*

Recent Scientific Presentations

Invited Reviews and Colloquia

Apr 2023 *(Scheduled)*	The Galactic Centre Workshop — **Review Talk**	Grenada, Spain
Apr 2023 *(Scheduled)*	Hamburg Observatory Colloquium	(Virtual)
Apr 2023 *(Scheduled)*	Michigan State U. Astronomy Seminar	(Virtual)
Oct 2022	U. Kansas Physics and Astronomy Department Colloquium	Lawrence, KS
Oct 2019	The Warm Ionized Medium (WIM) Workshop — **Review Talk**	Green Bank, WV

Invited Talks

Dec 2023 *(Scheduled)*	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 on "How does small-scale physics drive galaxy evolution?" Virtual Seminar	(Virtual)
Oct 2020	CCAPP Seminar	(Virtual)

Contributed Talks

Jan 2023	The 241st Meeting of the American Astronomical Society	Seattle, Washington
Sept 2022	MPIA Galaxy Coffee Seminar	Heidelberg, Germany
Sept 2022	Puzzles of the Galactic Centre	Heidelberg, Germany
Aug 2022	UVa/ NRAO Astronomy Lunch Talk Series	(Virtual)
July 2022	A Holistic View of Stellar Feedback and Galaxy Evolution	Ascona, Switzerland
June 2022	The 240th Meeting of the American Astronomical Society	Pasadena, CA
May 2022	Ringberg Virtual Seminar Series	(Virtual)
Apr 2022	NOIRLab FLASH Talk	(Virtual)
Mar 2022	Meeting for ALMA Young Astronomers	(Virtual)
Jan 2022	2022 AAPF Fellows Symposium	(Virtual)
Oct 2021	Caltech Astronomy Tea Talk	(Virtual)
Jan 2021	The 237th Meeting of the American Astronomical Society	(Virtual)
Nov 2020	UVa/ NRAO Astronomy Lunch Talk Series	(Virtual)
Nov 2020	Steward/NOAO Galaxy Group Seminar	(Virtual)
Nov 2020	UT Austin ISM Seminar	(Virtual)
Oct 2020	UCLA Astronomy & Physics Lunch Talk Series	(Virtual)
Oct 2020	STScI Galaxy Journal Club	(Virtual)
Sept 2020	SMA Seminar	(Virtual)
Oct 2019	ALMA 2019: Science Results and Cross-Facility Synergies	Cagliari, Italy
June 2019	Radio/Millimeter Astrophysical Frontiers in the Next Decade	Charlottesville, VA

Press & Media Coverage

May 2021	NRAO eNews Vol. 14, Issue 5 *"Outflows from Super Star Clusters in NGC253"*
Apr 2021	U. Maryland College of Computer, Mathematical, and Natural Sciences News *"Astronomy Ph.D. Student Awarded Prestigious NSF Postdoctoral Fellowship"*

Students Mentored

Lauren Cooke	May 2020, Summer 2019	**Publication:** Cooke, Levy, et al., 2022, MNRAS, 512, 1012 High school senior Now: Undergraduate at Harvard University
Brandon Davey	Jan 2020	GRAD-MAP Winter Workshop **Publication:** Cooke, Levy, et al. (incl. Davey) 2022, MNRAS, 512, 1012 Undergraduate of University of South Florida Now: Quality Technician at Samsung Austin Semiconductor
Nathnael Feleke	Summer 2019, Jan 2019	GRAD-MAP Summer Scholars & Winter Workshop Summer Scholars co-mentors: Prof. Alberto Bolatto, Prof. Stuart Vogel, Dr. Peter Teuben Undergraduate at Montgomery College - Takoma Park Now: Undergraduate at Florida Institute of Technology
Aurora Cid	Jan 2018	GRAD-MAP Winter Workshop Undergraduate at CUNY College of Staten Island
Natalia Ramírez Vega	Jan 2017	GRAD-MAP Winter Workshop Undergraduate at University of Costa Rica & Fidélitas University

Now: Data Engineer at TradeStation

Selected Observational Experience

ALMA

Cycle 9	Co-I PI: K. Emig	*"The Early Evolution of Super Star Clusters in the Nuclear Starburst of NGC4945"*
Cycle 9	Co-I PI: J. Sun	*"Hidden Gems on a Ring: Resolving Embedded Young Massive Clusters in a Nearby Ringed Galaxy"*
Cycle 9/8	Co-I PI: A. Bolatto	*"The Molecular Wind of NGC4945"*
Cycle 8 ACA	**PI**	*"Complete Molecular Gas Coverage in Nearby Low-Luminosity AGN"*
Cycle 7 ACA	Co-I PI: A. Bolatto	*"A Representative Interferometric Survey of Galaxies in the z=0 Universe with Full IFU Coverage: EDGE"*
Cycle 7	**PI**	*"Ionized Gas, Radiation Field, Masses, and Dust Temperature in Forming Massive Star Clusters in the NGC253 Starburst"* Rank: A — Awarded 24.1 hours

GBT

2021b	Co-I PI: A. Bolatto	*"GBT EDGE: A Representative Survey of the z=0 Universe with Full IFU Spectroscopy"* Awarded 300 hours

NOEMA

2022a	Co-I PI: D. Colombo	*"Resolving the Star Formation Quenching Mechanisms of Green Valley Galaxies"*
2021b	Co-I PI: F. Walter	*"Dense Molecular Gas in the Outflow of M82"*

JWST

Cycle 1	**Co-I*** PI: A. Bolatto	*"Dissecting the Prototypical Starbursts NGC 253 and M 82 and Their Cool Galactic Winds"* Awarded 42.8 hours *I led the technical planning and justification for this proposal.
Cycle 1	Co-I PI: I. De Looze	*"Structure Formation and Baryonic Cycling in the Edge-on Galaxy NGC891"*

LMT

2021-S1	Co-I PI: S. Sánchez	*"The Connection between Molecular Gas Density, Star -formation and Quenching"*

SMA

2018b	Co-I	*"Searching for Embedded Super Star Clusters in M82"*

PI: M. Jiménez Donaire

SOFIA

Cycle 8/7	**PI**	*"The GREAT Cigar: Mapping [CII] in the Disk and Outflow of M82"* Rank: A/B — Awarded 9 hours and $90,000
Cycle 8/7	Co-I PI: A. Bolatto	*"Studying the Energetics of Galaxies with Velocity-Resolved "[CII] Observations in an IFU-Selected Galaxy Sample"*
Cycle 7	Co-I PI: J. Spilker	*"Are Galactic Winds Metal-Enriched Compared to their Host Galaxies?"*

VLA

2022b	Co-I PI: E. Mills	*"JACKS: JVLA Ammonia CMZ K-band Survey"*
2022a	Co-I PI: E. Mills	*"High-Resolution Thermal Continuum Imaging of the M82 Starburst"*
2022a	Co-I PI: K. Emig	*"Diffuse Ionized Gas in the Central Starburst of NGC253"*

Professional Service & Memberships

Referee for	ApJ, MNRAS
Meetings organized	NSF AAPF Symposium (co-organizer), Jan 2023 The Warm Ionized Medium Workshop (SOC), October 2019
Seminars organized	Steward Obs. Science Coffee arXiv discussion, 2022 – UMD Dept. of Astronomy weekly arXiv discussion, 2019 – 2020
Review panels	NSF Review Panel
Committee service	UMD Dept. of Astronomy Faculty Search Committee, Spring 2020 UMD Dept. of Astronomy Graduate Student Council Rep., 2017 – 2020
Collaboration membership	PHANGS, Dec 2022 – SALTUS Extragalactic Science Working Group, Apr 2022 – DEGAS, Jan 2018 – EDGE-CALIFA, Aug 2015 –
Society membership	American Astronomical Society, Full Member
Certified to operate	Green Bank Telescope (remote), 2018 –

Teaching Experience

Apr 2023 *(Scheduled)*	Guest Lecturer — Translational Science Communication ACBS 493/ECOL 499/GEOS 393/NSCS 393: The Bio/Diversity Project Internship Program	U. Arizona
Spring 2020	Teaching and Lab Assistant	U. Maryland

	Astronomy 121: Introductory Astrophysics II — Stars and Beyond	
Fall 2019	Teaching Assistant Astronomy 120: Introductory Astrophysics — Solar System	U. Maryland
Spring 2014	Preceptor Physics 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

Selected Outreach Experience

Feb 2023	**Imagine Your STEM Future Guest Lecture** Guest lecturer for the Women in Science and Engineering Imagine Your STEM Future program.
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!"*
2016 – 2020	**GRAD-MAP (Graduate Resources Advancing Diversity with Maryland Astronomy and Physics)** • Research mentor for four students over four years during the week-long Winter Workshop. • Co-mentor for one student during the 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.
Aug 2013 – July 2015, Apr 2016, June 2016	**NOAO Education and Public Outreach Department** • Key developer of all aspects of the United Nations sanctioned International Year of Light 2015 Quality Lighting Teaching Kit (cornerstone project), including activity creation and development, materials sourcing, instructional guide and media writing, state and national educational standards verification, and classroom testing. These kits have been disseminated internationally and are available for retail sale.

- 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 summer academy.
- Worked extensively with the public, K-12 students, K-12 teachers, and members of the Tohono O'odham Nation.
- Developed, planned, led, and/or supported 1–2 outreach activities per week (on average) focused on astronomy and dark skies education.
- Developed, planned, led, and/or supported local, national, and international teacher training workshops and outreach events (e.g., at AAS, AGU, and IAU meetings, US Science and Engineering Festival).
- Involvement in the Globe at Night citizen-science campaign including website design, social media, development of materials, newsletter writing, podcast writing and recording, and facilitating translation of materials.
- Hired, trained, mentored, and evaluated other student employees.

Publication List

Total: 31 papers — 765 citations — h-index = 14

Link to current publications in ADS

[31] Sormani, M. C., Barnes, A. T., Sun, J., Stuber, S. K., Schinnerer, E., Emsellem, E., Leroy, A. K., Glover, S. C. O., Henshaw, J. D., Meidt, S. E., Neumann, J., Querejeta, M., Williams, T. G., Bigiel, F., Eibensteiner, C., Fragkoudi, F., **Levy, R. C.**, Grasha, K., Klessen, R. S., Kruijssen, J. M. D., Neumayer, N., Pinna, F., Rosolowsky, E., W., Smith, R. J., Teng, Y.-H., Tress, R. G., Watkins, E. J. 2023, MNRAS, submitted *"Fuelling the Nuclear Ring of NGC 1097"*

[30] Barrera-Ballesteros, J. K., Cruz-González, I., Colombo, D., Sánchez, S. F., **Levy, R. C.**, Villanueva, V., Wong, T., Bolatto, A. D., Alanso Hernández, D. 2023, ApJ, submitted *"Central vs Global Quenching Traced by the APEX Survey"*

[29] Cao, Y., Wong, T., Bolatto, A. D., Leroy, A. K., Rosolowsky, E., Utomo, D., Sánchez, S. F., Barrera-Ballesteros, J. K., **Levy, R. C.**, Colombo, D., Blitz, L., Vogel, S. N., Puschnig, J., Villanueva, V. 2023, ApJ, submitted *"The EDGE-CALIFA Survey: Spatially Resolved ^{13}CO(1-0) Observations and Variations in ^{12}CO(1-0)/^{13}CO(1-0) in Nearby Galaxies"*

[28] Lenkić, L., Bolatto, A. D., Fisher, D. B., Abraham, R., Glazebrook, K., Herrera-Camus, R., **Levy, R. C.**, Obreschkow, D., Volpert, C. 2023, ApJ, 945, 9 *"CO Excitation in High-z Main Sequence Analogues: Resolved CO(4-3)/CO(3-2) Line Ratios in DYNAMO Galaxies"*

[27] Leroy, A. K., Bolatto, A. D., Sandstrom, K., Rosolowsky, E., Barnes, A. T., Bigiel, F., Boquien, M., den Brok, J. S., Cao, Y., Chastenet, J., Chevance, M., Chiang, I.-D., Chown, R., Colombo, D., Ellison, S. L., Emsellem, E., Grasha, K., Henshaw, J. D., Hughes, A., Klessen, R. S., Koch, E. W., Kim, J., Kreckel, K., Kruijssen, J. M. D., Larson, K. L., Lee, J. C., **Levy, R. C.**, Lin, L., Liu, D., Meidt, S. E., Pety, J., Querejeta, M., Rubio, M., Saito, T., Salim, S., Schinnerer, E., Sormani, M. C., Sun, J., Thilker, D. A., Usero, A., Vogel, S. N., Watkins, E. J., Whitcomb, C. M., Wiliams, T. G., Wilson, C. D. 2023, ApJL, 944, 10 *"PHANGS-JWST First Results: A Global and Moderately Resolved View of Mid-Infrared and CO Line Emission from Galaxies at the Start of the JWST Era"*

[26] Leroy, A. K., Sandstrom, K., Rosolowsky, E., Belfiore, F., Bolatto, A. D., Cao, Y., Koch, E. W., Schinnerer, E., Barnes, A. T., Bešlić, I., Bigiel, F., Blanc, G. A., Chastenet, J., Chen, N. M.,

Chevance, M., Chown, R., Congiu, E., Dale, D. A., Egorov, O. V., Emsellem, E., Eibensteiner, C., Faesi, C. M., Glover, S. C. O., Grasha, K., Groves, B., Hassani, H., Henshaw, J. D., Hughes, A., Jiménez-Donaire, M. J., Kim, J., Klessen, R. S., Kreckel, K., Kruijssen, J. M. D., Larson, K. L., Lee, J. C., **Levy, R. C.**, Liu, D., Lopez, L. A., Meidt, S. E., Murphy, E. J., Neumann, J., Pessa, I., Pety, J., Saito, T., Sardone, A., Sun, J., Thilker, D. A., Usero, A., Watkins, E. J., Whitcomb, C. M., Williams, T. G. 2023, ApJL, 944, 9 *"PHANGS-JWST First Results: Mid-infrared Emission Traces both Gas Column Density and Heating at 100 pc Scales"*

[25] Yu, S.-Y., Kalinova, V., Colombo, D., Bolatto, A. D., Wong, T., **Levy, R. C.**, Villanueva, V., Sánchez, S. F., Ho, L. C., Vogel, S. N., Teuben, P., Rubio, M. 2022, A&A, 666, A175 *"The EDGE-CALIFA Survey: The Role of Spiral Arms and Bars in Driving Central Molecular Gas Concentrations"*

[24] **Levy, R. C.**, Bolatto, A. D., Leroy, A. K., Sormani, M. C., Emig, K. L., Gorski, M., Lenkić, L., Mills, E. A. C., Tarantino, E., Teuben, P., Veilleux, S., Walter, F. 2022, ApJ, 935, 19 *"The Morpho-Kinematic Architecture of Super Star Clusters in NGC 253"*

[23] Cooke, L. H., **Levy, R. C.**, Bolatto, A. D., Simon, J. D., Newman, A. B., Teuben, P., Davey, B. D., Wright, M., Tarantino, E., Lenkić, L., Villanueva, V. 2022, MNRAS, 512, 1012 *"Cuspy Dark Matter Density Profiles in Massive Dwarf Galaxies"*

[22] Bolatto, A. D., Leroy, A. K., **Levy, R. C.**, Meier, D. S., Mills, E. A. C., Thompson, T. A., Emig, K. L., Veilleux, S., Ott, J., Gorski, M., Walter, F., López, L., Lenkić, L. 2021, ApJ, 923, 83 *"ALMA Imaging of a Galactic Molecular Outflow in NGC 4945"*

[21] Villanueva, V., Bolatto, A., Vogel, S., **Levy, R. C.**, Sánchez, S. F., Barrera-Ballesteros, J., Wong, T., Rosolowsky, E., Colombo, D., Rubio, M., Cao, Y., Kalinova, V., Leroy, A., Utomo, D., Herrera-Camus, R., Blitz, L. 2021, ApJ, 923, 60 *"The EDGE-CALIFA Survey: The Resolved Star Formation Efficiency and Local Physical Conditions"*

[20] Mills, E. A. C., Gorski, M., Emig, K. L., Bolatto, A. D., **Levy, R. C.**, Leroy, A. K., Ginsburg, A., Henshaw, J. D., Zschaechner, L. K., Veilleux, S., Tanaka, K., Meier, D. S., Walter, F., Krieger, N., Ott, J. 2021, ApJ, 919, 105 *"Clustered Star Formation in the Center of NGC 253 Contributes to Driving the Ionized Nuclear Wind"*

[19] Krieger, N., Walter, F., Bolatto, A. D., Guillard, P., Lehnert, M., Leroy, A. K., Pety, J., Emig, K. L., **Levy, R. C.**, Krips, M., Rix, H.-W., Salak, D., Weiß, A., Veilleux, S. 2021, ApJ, 915, 3 *"NOEMA High Fidelity Imaging of the Molecular Gas in and around M 82"*

[18] Tarantino, E., Bolatto, A. D., Herrera-Camus, R., Harris, A. I., Wolfire, M., Buchbender, C., Croxall, K. V., Dale, D. A., Groves, B., **Levy, R. C.**, Riquelme, D., Smith, J.-D. T., Stutzki, J. 2021, ApJ, 915, 92 *"Characterizing the Multi-Phase Origin of [CII] Emission in M101 and NGC 6946 with Velocity Resolved Spectroscopy"*

[17] **Levy, R. C.**, Bolatto, A. D., Leroy, A. K., Emig, K. L., Gorski, M., Krieger, N., Lenkic, L., Meier, D. S., Mills, E. A. C., Ott, J., Rosolowsky, E., Tarantino, E., Veilleux, S., Walter, F., Weiß, Axel, Zwaan, M. A. 2021, ApJ, 912, 4 *"Outflows from Super Star Clusters in the Central Starburst of NGC 253"*

[16] Barrera-Ballesteros, J. K., Sánchez, S. F., Heckman, T., Wong, T., Bolatto, A., Ostriker, E., Rosolowsky, E., Carigi, L., Vogel, S., **Levy, R. C.**, Colombo, D., Luo, Yufeng, Cao, Yixian, the EDGE-CALIFA team 2021, MNRAS, 503, 3643 *"The EDGE-CALIFA Survey: Star Formation is*

Self-Regulated at Kpc Scales"

[15] Sánchez, S. F., Barrera-Ballesteros, J. K., Colombo, D., Wong, T., Bolatto, A., Rosolowsky, E., Vogel, S., **Levy, R. C.**, Kalinova, V., Alvarez-Hurtado, P., Luo, Y., Cao, Y. 2021, MNRAS, 503, 1615 *"The EDGE-CALIFA Survey: The Local and Global Relations between* Σ_*, $\Sigma_{\rm SFR}$, *and* $\Sigma_{\rm mol}$ *that Regulate Star Formation"*

[14] Colombo, D., Sanchez, S. F., Bolatto, A. D., Kalinova, V., Weiß, A., Wong, T., Rosolowsky, E., Vogel, S. N., Barrera-Ballesteros, J., Dannerbauer, H., Cao, Y., **Levy, R. C.**, Utomo, D., Blitz, L. 2020, A&A, 644, 97 *"The EDGE-CALIFA Survey: Exploring the Role of the Molecular Gas on the Galaxy Star Formation Quenching"*

[13] Emig, K. L.,, Bolatto, A. D., Leroy, A. K., Mills, E. A. C., Jiménez Donaire, M. J., Tielens, A. G. G. M., Ginsburg, A., Gorski, M., Krieger, N., **Levy, R. C.**, Meier, D. S., Ott, J., Rosolowsky, E., Thompson, T. A., Veilleux, S. 2020, ApJ, 903, 50 *"Star Clusters in the Central Starburst of NGC 4945"*

[12] Krieger, N., Bolatto, A. D., Koch, E. W., Leroy, A. K., Rosolowsky, E., Walter, F., Weiß, A., Eden, D. J., **Levy, R. C.**, Meier, D. S., Mills, E. A. C., Moore, T., Ott, J., Su, Y., Veilleux, S. 2020, ApJ, 899, 158 *"The Turbulent Gas Structure in the Centers of NGC 253 and the Milky Way"*

[11] Krieger, N., Bolatto, A. D., Leroy, A. K., **Levy, R. C.**, Mills, E. A. C., Meier, D. S., Ott, J., Veilleux, S., Walter, F., Weiß, A. 2020, ApJ, 897, 176 *"The Molecular ISM in the Super Star Clusters of the Starburst NGC253"*

[10] Barrera-Ballesteros, J. K., Utomo, D., Bolatto, A. D., Sánchez, S. F., Vogel, S. N., Wong, T., **Levy, R. C.**, Colombo, D., Kalinova, V., Teuben, P., García-Benito, R., Husemann, B., Mast, D., Blitz, L. 2020, MNRAS, 492, 2651 *"The EDGE-CALIFA Survey: Using Optical Extinction to Probe the Spatially-Resolved Distribution of Gas in Nearby Galaxies"*

[9] Krieger, N., Bolatto, A. D., Walter, F., Leroy, A. K., Zschaechner, L. K., Meier, D. S., Ott, J., Weiß, A., Mills, E. A. C., **Levy, R. C.**, Veilleux, S., Gorski, M. 2019, ApJ, 881, 43 *"The Molecular Outflow in NGC 253 at a Resolution of Two Parsecs"*

[8] **Levy, R. C.**, Bolatto, A. D., Sánchez, S. F., Blitz, L., Colombo, D., Kalinova, V., López-Cobá, C., Ostriker, E. C., Teuben, P., Utomo, D., Vogel, S. N., Wong, T. 2019, ApJ, 882, 84 *"The EDGE-CALIFA Survey: Evidence for Pervasive Extraplanar Diffuse Ionized Gas in Nearby Edge-On Galaxies"*

[7] Leroy, A. K., Bolatto, A. D., Ostriker, E. C., Walter, F., Gorski, M., Ginsburg, A., Krieger, N., **Levy, R. C.**, Meier, D. S., Mills, E., Ott, J., Rosolowsky, E., Thompson, T. A., Veilleux, S., Zschaechner, L. K. 2018, ApJ, 869, 126 *"Forming Super Star Clusters in the Central Starburst of NGC 253"*

[6] **Levy, R. C.**, Bolatto, A. D., Teuben, P., Sánchez, S. F., Barrera-Ballesteros, J. K., Blitz, L., Colombo, D., García-Benito, R., Herrera-Camus, R., Husemann, B., Kalinova, V., Lan, T., Leung, G. Y. C., Mast, D., Utomo, D., van de Ven, G,, Vogel, S. N., Wong, T. 2018, ApJ, 860, 92 *"The EDGE-CALIFA Survey: Molecular and Ionized Gas Kinematics in Nearby Galaxies"*

[5] Leung, G. Y. C., Leaman, R., van de Ven, G., Lyubenova, M., Zhu, L., Bolatto, A. D., Falcón-Barroso, J., Blitz, L., Dannerbauer, H., Fisher, D. B., **Levy, R. C.**, Sanchez, S. F., Utomo, D., Vogel, S., Wong, T., Ziegler, B. 2018, MNRAS, 477, 254 *"The EDGE-CALIFA Survey: Validating Stellar Dynamical Mass Models with CO Kinematics"*

[4] Colombo, D., Kalinova, V., Utomo, D., Rosolowsky, E., Bolatto, A. D., **Levy, R. C.**, Wong, T., Sanchez, S. F., Leroy, A. K., Ostriker, E., Blitz, L., Vogel, S., Mast, D., García-Benito, R., Husemann, B., Dannerbauer, H., Ellmeier, L., Cao, Y. 2017, MNRAS, 475, 1791 *"The EDGE-CALIFA Survey: The Influence of Galactic Rotation on the Molecular Depletion Time Across the Hubble Sequence"*

[3] Utomo, D., Bolatto, A. D., Wong, T., Ostriker, E. C., Blitz, L., Sanchez, S. F., Colombo, D., Leroy, A. K., Cao, Y., Dannerbauer, H., Garcia-Benito, R., Husemann, B., Kalinova, V., **Levy, R. C.**, Mast, D., Rosolowsky, E., Vogel, S. N. 2017, ApJ, 849, 26 *"The EDGE-CALIFA Survey: Variations in the Molecular Gas Depletion Time in Local Galaxies*

[2] Bolatto, A. D., Wong, T., Utomo, D., Blitz, L., Vogel, S. N., Sánchez, S. F., Barrera-Ballesteros, J., Cao, Y., Colombo, D., Dannerbauer, H., García-Benito, R., Herrera-Camus, R., Husemann, B., Kalinova, V., Leroy, A. K., Leung, G., **Levy, R. C.**, Mast, D., Ostriker, E., Rosolowsky, E., Sandstrom, K. M., Teuben, P., van de Ven, G., Walter, F. 2017, ApJ, 846, 159 *"The EDGE-CALIFA Survey: Interferometric Observations of 126 Galaxies with CARMA"*

[1] Walter, F., Bolatto, A. D., Leroy, A. K., Veilleux, S., Warren, S. R., Hodge, J., **Levy, R. C.**, Meier, D. S., Ostriker, E. C., Ott, J., Rosolowsky, E., Scoville, N., Weiß, A., Zschaechner, L., Zwaan, M. 2017, ApJ, 835, 265 *"Dense Molecular Gas Tracers in the Outflow of the Starburst Galaxy NGC 253"*