

Daniel Allen Dale

Harry C. Vaughan Professor of Astronomy
University of Wyoming

Academic Record

1998	Ph.D.	Cornell University	Physics
1996	M.S.	Cornell University	Physics
1993	B.S.	University of Minnesota Duluth	Physics & Math—honors; summa cum laude
1989	Diploma	Princeton (MN) High School	co-valedictorian

Professional Experience

2010–present	Professor	Physics & Astronomy, University of Wyoming
2005–2010	Associate Professor	Physics & Astronomy, University of Wyoming
2001–2005	Assistant Professor	Physics & Astronomy, University of Wyoming
1998–2001	Postdoctoral Scholar	California Institute of Technology

Administrative Experience

2025–present	Interim Dean	College of Engineering & Physical Sciences, University of Wyoming
2022–2025	Associate Dean	College of Engineering & Physical Sciences, University of Wyoming
2021–2022	Associate Dean	College of Arts & Sciences, University of Wyoming
2020–2021	Interim Dean	College of Arts & Sciences, University of Wyoming
2018–2020	Associate Dean	College of Arts & Sciences, University of Wyoming
2008–2017	Department Head	Physics & Astronomy, University of Wyoming
2006–2008	Director	Wyoming Infrared Observatory

Awards and Honors

2025 Presidential Scholarly Award
2024 George Duke Humphrey Distinguished Faculty Award
2023 Coach of the Year, Club Sports
2022 Teacher of the Year, UW Alumni Association
2020 Outstanding Contribution to Campus Recreation
2019 Harry C. Vaughan Endowed Professorship in Astronomy
2007 Extraordinary Merit in Research
2006 Ellbogen Meritorious Classroom Teaching Award
2005 Extraordinary Merit in Research
2004 National Science Foundation CAREER Award
1995 Clark Award for Excellence in Teaching
1993 Outstanding Mathematics Senior
1992 Darland All-American Scholarship
1989 University of Minnesota Presidential Scholarship

Grant Funding

74 federal (\$32M)
02 corporate (\$0.5M)
18 state (\$1.0M)

Refereed Publications

379 (33 as first author); *h*-index of 90 (23 for first-author papers); ~32,000 citations

Graduate Student Committees Chaired: 30 (22 M.S., 8 Ph.D.)

Undergraduate Research Assistants: 142

Invited Talks at Conferences/Universities: 39

Courses Taught

Calculus-based intro physics I & II; computational physics; graduate astrophysics; calculus-based intro astronomy

Fundraising Experience – \$4.9M

2019,24 Windy Ridge Foundation Astro Camp (\$400k=\$250k+\$150k)
2019,21,22,23,24 Windy Ridge Foundation Harry C. Vaughan Professorship (\$2.5M=\$520k+\$145k+\$121k+\$95k+\$1.6M)
2014 Burnett Graduate Fellowship (\$100k)
2013,14 Windy Ridge Foundation Harry C. Vaughan Planetarium (\$1.575M=\$700k+\$875k)
2009 Bessey Graduate Fellowship estate gift commitment (\$300k)
2009 Bunch Graduate Fellowship (\$60k)

National Professional Service & Experience

Board of Trustees, American Astronomical Society (2024–present)
Member, Financial Review Committee, NASA James Webb Space Telescope (2021–2024)
Member, Exec Council of the Science Advisory Committee, NSF Next Generation Very Large Array (2017–2021)
Reviewer, Whitman College astronomy program (2018)
Member, Senior Review team of NASA’s Stratospheric Observatory For Infrared Astronomy (SOFIA; 2018)
Advocate; lobbied legislators and staff on Capitol Hill on behalf of science research (2014, 2018)
Member, numerous NSF and NASA grant review panels
Reviewer, 100+ journal manuscript submissions; multiple science textbooks

International Professional Service & Experience

Member, Flanders Research Foundation Review College (Belgium; 2020–present)
Member, numerous organizing committees for international astronomy conferences
Reviewer, U.S. Civilian Research and Development Foundation (U.S./Russian collaboration)
Reviewer, Universidad de Antofagasta astronomy graduate program (Chile)
Reviewer, research proposals for National Centre for Space Studies (France)
Reviewer, research proposals for Nazerbayev University (Kazakhstan)
Reviewer, research proposals for South African National Research Foundation
Reviewer, research proposals for Israeli National Science Foundation
Instructor, School for Astronomy (Banyuls, France; 2012, 2023)

Major/Relevant UW Service

Head Coach, UW Women’s Hockey Team (2009–present; ACHA Division I)
Director, UW Planetarium (2017–present)
Director, NSF-funded astronomy undergraduate research internship program at UW (2012–2026)
Co-chair, Recruitment & Retention of International Students committee (2022–2024)
Co-chair, Grand Challenges initiative (2019–2022)
Co-chair, Entrepreneurship/Innovation strategic planning committee (2021)
Chair, Committee for reorganization of Geology/Geophysics and Petroleum Engineering (2021)
Chair, Scheduling & Instructional Delivery committee (adjusting for the pandemic; 2020)
Chair, Enzi STEM Facility Oversight Committee (2015–2016)
Member, Strategic planning committee for the College of Engineering & Physical Sciences (2022–2023)
Member, UW/National Park Service AMK Ranch Task Force (2019–2021)
Member, International Advisory Committee, Global Engagement Office (2021–2024)
Member, Tenure & Promotion Committee, College of Arts & Sciences (2006–2008)
Member, Tenure & Promotion Committee, College of Health Sciences (2022–2024)
Member, Indirect Cost Distribution Committee (2021,2024–2025)
Member, Science Initiative Task Force (2015–2020)
Member, UW Symphony Board (2013–2016)

State/Community Service, Outreach, & Experience

Ambassador; 130+ classrooms visited in 28 public schools; hands-on activities & lectures (2005–present)
Director, *Wyoming Astro Camp*; 500+ schoolchildren participants (2003–present)
Organizer, UW–WY community college physics articulation meetings (2008–2017)
Alumnus, Leadership Wyoming Class of 2021
Member, Audit & Compliance Committee, Ivinson Memorial Hospital (2021–present)
Member, Aspen Highlands Homeowners Association Board (2021–present)
Member, Pope Springs Road District Board (2018–2020)

Academic Leadership Experience

I have served as Interim Dean or Associate Dean since 01 January 2018. In my year as Interim Dean of the College of Arts & Sciences, I oversaw 20 academic units, 350+ faculty, 80+ staff, 4000+ majors, 1000+ minors, and an annual budget north of \$70M including salaries, benefits, and research expenditures. The 20 units spanned the fine arts, humanities, social sciences, biological sciences, math/stats, physical sciences, and interdisciplinary fields. As Associate Dean of Arts & Sciences, my primary duties included overseeing graduate education and all financial matters—budgets, scholarships, foundation accounts, and start-up negotiations. As Associate Dean for Engineering & Physical Sciences, I have assisted with research, graduate education, budgeting, personnel, the mentoring of first-year faculty, and the process of transitioning the physical sciences to this newly-established college. I have served in additional leadership roles outside of the Dean’s Office, including chairing or co-chairing the Grand Challenges Initiative, the strategic planning committee for entrepreneurship and innovation, and a new initiative to recruit and retain international students.

Extramural Funding

- 2026-2029: “Crushing It: Tracking the Survival of Cool Clouds on Cloud-Crushing and Dynamical Timescales in the M82 Outflow”
PI: S. Cronin; 35 CoIs
NASA James Webb Space Telescope
\$123,512
- 2026-2029: “Resolving Stellar Feedback in Action via NIRCам and MIRI Imaging of Very Nearby Galaxies”
PI: A. Leroy; 40 CoIs
NASA James Webb Space Telescope
\$780,549
- 2026-2029: “Dust in the Deserts: Understanding PAH Emission in Quiescent Bulges and Star-formation Deserts”
PI: D. Pathak; 24 CoIs
NASA James Webb Space Telescope
\$383,652
- 2026-2029: “Where the PAH-CO Relation Breaks: JWST Spectroscopy of High CO/PAH Ridges in NGC 1566”
PI: J. Kim; 31 CoIs
NASA James Webb Space Telescope
\$338,273
- 2026-2029: “The Nearest Seyfert Starburst Nucleus and its Galactic Outflow”
PI: A. Bolatto; 35 CoIs
NASA James Webb Space Telescope
\$253,620
- 2026-2029: “A Complete Accounting of Molecular Gas and AGN/Starburst Heating in Local Galactic Nuclei”
PI: Y.-H. Teng; 16 CoIs
NASA James Webb Space Telescope
\$120,686
- 2025-2028: “Wyoming AGN Reverberation Mapping (WARM)”
PI: M. Brotherton; Co-I **D. Dale**
NSF Astronomy & Astrophysics
\$379,220
- 2025-2028: “An HST Near-UV SNAP + Roman survey of extended star-forming disks in nearby galaxies”
PI: S. Sarbadhicary; 11 CoIs
NASA Hubble Space Telescope
~\$99,500
- 2025-2028: “Anatomy of a fall: Dissecting the environment-driven transformation of late-type Virgo cluster galaxies with HST UV-optical imaging of star clusters, associations, and HII regions”
PI: D. Thilker; 25 CoIs
NASA Hubble Space Telescope
~\$303,050
- 2025-2028: “Our grasp of star formation, feedback, and galaxy evolution is incomplete without a JWST+HST look at the HI-dominated, outer disk of a spiral galaxy”
PI: D. Thilker; 24 CoIs
NASA James Webb Space Telescope
\$159,765
- 2025-2028: “Touched by Fire: Resolving the AGN Impact on PAH Emission in Galaxies”
PI: G. Donnelly; 12 CoIs
NASA James Webb Space Telescope
\$77,949
- 2025-2028: “A Resolved Infrared Census of Star Formation and AGN Activity in Rapidly Quenched Galaxies”
PI: A. Smercina; 11 CoIs
NASA James Webb Space Telescope
\$184,438

- 2025-2028: “Staring at the Void: Supernova-Driven Star Formation and Suppression in the Largest Local Superbubble”
PI: R. Chandar; 19 CoIs
NASA James Webb Space Telescope
\$203,206
- 2025-2028: “Measuring sizes of star clusters in nearby galaxies using PHANGS”
PI: O. Gnedin; 7 CoIs
NASA James Webb Space Telescope
\$110,000
- 2024-2027: “Decoding stellar feedback in action with an HST+MUSE+JWST full-disk survey of starburst galaxy prototype NGC 253”
PI: D. Thilker; 11 CoIs
NASA Hubble Space Telescope
\$149,448
- 2024-2027: “Unveiling the physics that govern massive star-formation in extragalactic Central Molecular Zones”
PI: E. Schinnerer; 30 CoIs
NASA James Webb Space Telescope
\$523,367
- 2024-2027: “Resolving gas, star formation and feedback in nearby galaxies with an HST+JWST+ALMA Treasury”
PI: D. Thilker; 30 CoIs
NASA Hubble Space Telescope
\$424,610
- 2024-2027: “Zooming in on HII regions: a comprehensive view of dust attenuation and embedded star formation in local galaxies”
PI: F. Belfiore; 21 CoIs
NASA Hubble Space Telescope
~\$190,000
- 2023-2026: “The JWST Whirlpool Galaxy Treasury”
PI: K. Sandstrom; coPI: **D. Dale**; 47 CoIs
NASA James Webb Space Telescope
\$836,235
- 2023-2026: “Beholding star cluster formation, feedback, and evolution with the ‘Evil Eye’”
PI: J. Sun; 25 CoIs
NASA James Webb Space Telescope
~\$30,000
- 2023-2026: “A JWST Census of the Local Galaxy Population: Anchoring the Physics of the Matter Cycle”
PI: A. Leroy; 56 CoIs
NASA James Webb Space Telescope
\$1,450,000
- 2023-2026: “Resolving HII Regions and ISM Structure Across the Milky Way Analog NGC 253”
PI: A. Leroy; 40 CoIs
NASA James Webb Space Telescope
~\$220,000
- 2023-2026: “REU Site: Wyoming Astronomy”
PI: **Daniel Dale**; Co-PI Chip Kobulnicky
NSF Special Programs in Astronomy
\$336,515
- 2022-2025: “Embedded Star Formation in Nearby Galaxies: The Advent of Parsec Scale Studies beyond the Magellanic Clouds”
PI: J. Lee; 8 CoIs
NASA James Webb Space Telescope
~\$279,000
- 2022-2025: “Halfway to the peak: A bridge program to map coeval star formation and supermassive black hole growth”
PI: A. Pope; 19 CoIs
NASA James Webb Space Telescope
~\$246,000

- 2022-2025: “The First Ever Low Metallicity PDR Benchmark”
PI: K. Sandstrom; 13 CoIs
NASA James Webb Space Telescope
~\$160,000
- 2022-2025: “Come Out, Come Out, Wherever You Are: Seeking All the Massive Young Clusters Hidden in the Antennae”
PI: R. Chandar; 8 CoIs
NASA James Webb Space Telescope
~\$57,000
- 2022-2025: “A JWST-HST-VLT/MUSE-ALMA Treasury of Star Formation in Nearby Galaxies”
PI: J. Lee; 41 CoIs
NASA James Webb Space Telescope
\$1,095,000
- 2022-2025: “Dissecting the Prototypical Starbursts NGC 253 and M 82 and Their Cool Galactic Winds”
PI: A. Bolatto; 32 CoIs
NASA James Webb Space Telescope
\$540,545
- 2022-2025: “Structure formation and baryonic cycling in the edge-on galaxy NGC891”
U.S. Admin PI: **Daniel Dale**; Science PI: I. DeLooze; 29 CoIs
NASA James Webb Space Telescope
\$178,398
- 2021-2022: “Inclusive Excellence”
PI: R. Watson; 36 CoIs
Howard Hughes Medical Institute
\$30,000
- 2019-2022: “SOFIA heralds a new era of measuring the magnetic fields of galaxies”
PI: E. Lopez-Rodriguez; 17 CoIs
NASA: SOFIA—Stratospheric Observatory for Infrared Astronomy
\$1,000,000
- 2019-2022: “REU Site: Wyoming Astronomy”
PI: **Daniel Dale**; Co-PI Chip Kobulnicky
NSF Special Programs in Astronomy
\$272,306
- 2019-2022: “PHANGS-HST: Linking Stars and Gas throughout the Scales of Star Formation”
PI: J. Lee; 19 CoIs
NASA *Hubble* Space Telescope
~\$1,200,000
- 2017-2018: “Short Spacing Issues for the Mapping of Nearby Galaxies”
PI: P. Teuben; CoPI **D. Dale**
NRAO
\$42,830
- 2017-2019: “Dwarfs and Giants: Massive Stars in Little Dwarf Galaxies”
PI: J. Andrews
NASA *Hubble* Space Telescope
\$151,435
- 2016-2019: “REU Site: University of Wyoming Astronomy”
PI: **Daniel Dale**; Co-PI Chip Kobulnicky
NSF Special Programs in Astronomy
\$256,595
- 2016-2019: “Young Star Groups in Dwarf Galaxies”
PI: D. Calzetti; 4 CoIs
NASA *Hubble* Space Telescope
~\$60,000

- 2014-2016: “LEGUS: Legacy ExtraGalactic UV Survey”
PI: D. Calzetti
NASA *Hubble* Space Telescope
\$1,200,000
- 2014-2017: “Recruiting More Physics Education Majors at the University of Wyoming”
PI: **D. Dale**
American Physical Society
\$19,841
- 2014-2021: “Sustaining Wyoming’s Advancing Reach in Mathematics and Science (SWARMS)”
PI: A. Burrows; 4 Co-PIs
NSF Division of Undergraduate Education
\$1,186,365
- 2013: “Wyoming AstroCamp”
PI: **D. Dale**
NASA Summer of Innovation Mini-Award
\$2,500
- 2012-2015: “A Herschel/PACS mapping of far-infrared emission lines from the nuclear spiral in M31”
PI: Z. Li; 7 co-Is
ESA *Herschel* Space Observatory
\$49,978
- 2012-2015: “After the Fall: Probing Dust and Gas in Post-Starburst Galaxies with Herschel”
PI: J.D. Smith; Co-PI D.A. Dale; 8 co-Is
ESA *Herschel* Space Observatory
\$234,237
- 2011-2014: “Initiating a Bold New Generation of Astronomical Survey at the Wyoming Infrared Observatory”
PIs: Chip Kobulnicky & Adam Myers; CoIs Lee Armus & Daniel Dale
NASA EPSCoR
\$750,000
- 2011-2015: “REU Site: University of Wyoming Astronomy”
PI: **Daniel Dale**; Co-PI Chip Kobulnicky
NSF Special Programs in Astronomy
\$199,585
- 2011-2014: “Stellar Distributions in Dark Matter Halos: Looking Over the Edge”
PI: L. van Zee; 7 co-Is
NASA *Spitzer* Space Telescope
\$613,180
- 2011-2014: “H α -selected galaxies at $z \sim 2$ ”
PI: S. Salim; 2 co-Is
NASA *Spitzer* Space Telescope
\$45,760
- 2011-2012: “Observations of the Nearby Starburst Galaxy NGC 2146 with FORCAST on SOFIA”
PI: L. Armus; 15 co-Is
NASA: SOFIA—Stratospheric Observatory for Infrared Astronomy
\$12,000
- 2011-2014: “Beyond the Peak: Resolved Far-Infrared Spectral Mapping of Nearby Galaxies with SPIRE/FTS”
PI: J.D. Smith; Co-PI D.A. Dale; 27 co-Is
ESA *Herschel* Space Observatory
\$375,313
- 2010-2016: “Wyoming AstroCamp”
PI: H.A. Kobulnicky; co-I D.A. Dale
Harris Foundation/ExxonMobil
\$480,000

2010: "BLISS Concept Study"
PI: C.M. Bradford; 22 co-Is
NASA ROSES APRA
\$228,000

2009-2012: "Faint Stellar Distributions in Extended HI Disks"
PI: Liese van Zee; 7 co-Is
NASA *Spitzer* Space Telescope
\$98,000

2009-2012: "Extended Stellar Distributions in M83"
PI: Kate Barnes; 6 co-Is
NASA *Spitzer* Space Telescope
\$45,000

2008-2011: "MIPS Spectral Energy Distribution Observations of M82"
PI: Chad Engelbracht; 7 co-Is
NASA *Spitzer* Space Telescope
~\$5,000

2008-2012: "KINGFISH: Key Insights on Nearby Galaxies: A Far-Infrared Survey w/Herschel"
PI: R. Kennicutt; 28 co-Is
ESA *Herschel* Space Observatory
\$2,223,000

2007-2012: "Upgrading the WIRO 2.3 m Telescope"
PI: Chip Kobulnicky; four co-Is
NSF PREST: Program for Research and Education with Small Telescopes
\$413,396

2007-2010: "After the Fall: Dust and PAHs in Post-Starburst Galaxies"
PI: J.D. Smith; six co-Is
NASA *Spitzer* Space Telescope
\$123,275

2007-2011: "The Local Volume Legacy Survey"
PI: R. Kennicutt; 17 co-Is
NASA *Spitzer* Space Telescope
\$1,300,000

2007-2010: "GALEX-Spitzer study of resolved galaxies"
PI: B. Madore; nine co-Is
NASA *Spitzer* Space Telescope
\$139,102

2007-2011: "The 5 mJy Extragalactic Spectroscopic Survey"
PI: G. Helou; 12 co-Is
NASA *Spitzer* Space Telescope
\$781,370

2007-2010: "Galaxies Across the Octaves: A Chandra Legacy Survey of SINGS Galaxies"
PI: L. Jenkins; 9 co-Is
NASA *Chandra* X-ray Telescope
\$279,412 (783 ks)

2006-2011: "Enhancing Science Awareness and Learning for 7th/8th Grade Wyoming Students"
PI: Don Roth (Dean of UW Graduate School); four co-Is
NSF K-12 Education
\$646,898

2006-2009: "Unveil the Nature of Post-Starburst Quasars"
PI: Zhaohui Shang; six co-Is
NASA *Spitzer* Space Telescope
\$67,498

- 2006-2009: "PAH Emission in Low-Luminosity AGN: Ghosts in the Machine"
PI: J.D. Smith; six co-Is
NASA *Spitzer* Space Telescope
\$158,525
- 2005-2008: "Spectral Energy Distributions of Star-Forming Galaxies, from Low Z to ULIRGs"
PI: Chad Engelbracht; Karl Gordon, Daniel Dale co-Is
NASA *Spitzer* Space Telescope
\$28,620
- 2005-2008: "The Physical Context of PAH emission in Galaxies"
PI: J.D. Smith; nine co-Is
NASA *Spitzer* Space Telescope
\$149,387
- 2005-2008: "Quasar Bolometric Luminosity and SEDs from Radio to X-ray"
PI: Zhaohui Shang; Michael Brotherton, Dean Hines, Daniel Dale co-Is
NASA *Spitzer* Space Telescope
\$40,429
- 2005-2008: "M 51 MIR Spectral Cube: A Rosetta Stone for Galaxy Evolution"
PI: Kartik Sheth; seven co-Is
NASA *Spitzer* Space Telescope
~\$50,000
- 2005-2008: "An Ultra-Deep Spitzer Spectral Survey"
PI: George Helou; seven co-Is
NASA *Spitzer* Space Telescope
\$50,000
- 2005-2008: "Quasar Spectral Energy Distributions: The Next Generation"
PI: Zhaohui Shang; 3 co-Is, 2 collaborators
NASA Astrophysics Data Program
\$184,855
- 2004-2009: "Acquisition of a Near-Infrared Camera for the Wyoming Infrared Observatory"
PI: Michael Pierce; Daniel Dale, Chip Kobulnicky & Michael Brotherton co-Is
NSF MRI: Major Research Instrumentation
\$872,898
- 2004-2009: "Wyoming Infrared Observatory's Summer Undergraduate RA Program"
PI: Ron Canterna; Michael Pierce, Daniel Dale, Chip Kobulnicky & M. Brotherton co-Is
NSF Research Experience for Undergraduates Program
\$461,715
- 2004-2010: "WySCH: The **Wy**oming **S**urvey for **C**osmological **H α** "
PI: **Daniel Dale**
NSF Faculty Early Career Development
\$587,455
- 2002-2003: "Paschen- α Imaging of a SIRTf-Selected Nearby Galaxy Sample"
NASA *Hubble* Space Telescope
PI: Robert C. Kennicutt, Jr.; 10 co-Is
~\$120,000 (≤ 80 snapshots)
- 2000-2007: "SINGS: The Spitzer Infrared Nearby Galaxy Survey"
PI: Robert C. Kennicutt, Jr.; 14 co-Is
NASA *Spitzer* Space Telescope
~\$4,600,000

State Funding

- 2023-2024: “Upgrading the University of Wyoming Planetarium Projection System”
PI: **Daniel Dale**
UW College of Engineering & Physical Sciences
\$230,000
- 2023-2024: “Galaxy Evolution Using the Hubble and James Webb Space Telescopes”
PI: **Daniel Dale**
UW School of Computing
\$3,059
- 2023-2024: “Understanding Dust Grains in Nearby Galaxies”
PI: **Daniel Dale**
UW International Travel Grant
\$2,000
- 2023-2023: “Modeling Stellar Clusters Observed by the Hubble and Webb Space Telescopes”
PI: **Daniel Dale**
UW School of Computing
\$15,00
- 2022-2023: “Constraining Galaxy Evolution with the James Webb Space Telescope”
PI: **Daniel Dale**
UW International Travel Grant
\$3,500
- 2019-2020: “Accelerating the computational investigation of supermassive sub-parsec binary black holes candidates”
PI: **Mike Brotherton**; 2 CoPIs
Science Initiative Faculty Innovation Grant Program
\$45,000
- 2017-2018: “Probing the Assembly History of Galaxies”
PI: **Daniel Dale**
UW College of Arts & Sciences
\$21,688
- 2017-2018: “Open Educational Resources”
PI: **Daniel Dale**
UW Libraries
\$4,000
- 2017-2018: “Sunday Night Physics at the Science Fair”
PI: **Daniel Dale**
UW College of Arts & Sciences
\$1,850
- 2017-2018: “Star Clusters and Interstellar Dust”
PI: **Daniel Dale**
UW Faculty Grant in Aid
\$7,500
- 2016-2017: “Transforming Undergraduate Research Experiences: Assessing the Community Mentoring Model”
PI: Chip Kobulnicky; Co-PIs Daniel Dale, Jennifer Forrester
Wyoming NSF EPSCoR
\$29,700
- 2015: “Creating Inquiry-Based Labs for Studio Physics”
PI: **Daniel Dale**
Wyoming NASA Space Grant Consortium
\$10,000
- 2014: “Galaxy and AGN Infrared SEDs”
PI: **Daniel Dale**
UW International Travel Grant
\$2,000

- 2011-2012: “University of Wyoming Assessment Academy”
PI David Thayer
Ellbogen Center for Teaching and Learning
\$2,000
- 2010-2013: “Robotics for 21st Century Students”
PIs Tim Slater & **Daniel Dale**
Wyoming Math Science Partnership program
\$600,000
- 2005: “Research Experience for Teachers at Wyoming Astro Camp”
PI: **Daniel Dale**; co-I Chip Kobulnicky
Wyoming NASA Space Grant Consortium
\$2,000
- 2002: “Normal Galaxies in the Infrared: Properties and Evolution”
PI: **Daniel Dale**
Wyoming NASA EPSCoR Seed Grant & Travel Grant Program
\$24,042
- 2002: “Constraining the Dark Matter Distribution in Galaxies”
PI: **Daniel Dale**
University of Wyoming Basic Research Grant
\$3,000

Refereed Publications *,[†],[‡] denotes undergraduate, graduate, high school teacher

379. Cronin, S.[†] et al. 2026, *Astrophysical Journal*, 1002, 217
“JWST Observations of Starbursts: Dust Processing in the M82 Superwind”
378. Chandar, R. et al. 2026, *Astrophysical Journal*, 1002, 64
“Nowhere Left to Hide: Uncovering All of the Massive Young Embedded Star Clusters in the Antennae with JWST”
377. Hassani, H.[†] et al. 2026, *Astrophysical Journal Supplements*, 284, 3
“The Hidden Life of Stars: Embedded Beginnings to Asymptotic Giant Branch Endings in the PHANGS—JWST Sample. I. Catalog of Mid-infrared Sources”
376. Scheuermann, F.[†] et al. 2026, *Astronomy & Astrophysics*, 708, 202
“Stellar associations powering H II regions: II. Escape fraction of ionising photons”
375. Kim, J. et al. 2026, *Astrophysical Journal*, 1001, 67
“Localized Deviations from the CO—Polycyclic Aromatic Hydrocarbon Relation in PHANGS-JWST Galaxies: Faint Polycyclic Aromatic Hydrocarbon Emission or Elevated CO Emissivity?”
374. Hannon, S. et al. 2026, *Astrophysical Journal*, 547, 1
“Diversity of SEDs among the star-forming regions in NGC 1365”
373. Monson, E. et al. 2026, *Astrophysical Journal*, 1001, 42
“Constraining the Subgalactic Relationship between Star Formation and the Hot Interstellar Medium in NGC 4254”
372. Whitcomb, C.[†] et al. 2026, *Astrophysical Journal*, 1000, 211
“The Metallicity Dependence of PAH Emission in Galaxies. II. Insights from JWST/NIRCam Imaging of the Smallest Dust Grains in M101”
371. Pinna, F. et al. 2026, *Astronomy & Astrophysics*, 708, 72
“The nuclear star cluster of M 74: A fossil record of the very early stages of a star-forming galaxy”
370. Gleis, D.[†] et al. 2026, *Astronomy & Astrophysics*, 707, 121
“Molecular gas and star formation in central rings across nearby galaxies”
369. Lopez, S.[†] et al. 2026, *Astrophysical Journal Letters*, 999, 7
“JWST Observations of Starbursts: Polycyclic Aromatic Hydrocarbons Closely Trace the Cool Phase of M82’s Galactic Wind”
368. Walter, D.[†] et al. 2026, *Astronomy & Astrophysics*, 706, 201
“A normalizing flow approach for the inference of star cluster properties from unresolved broadband photometry: I. Comparison to spectral energy distribution fitting”
367. McClain, R.[†] et al. 2026, *Astrophysical Journal*, 998, 166
“Resolved H II Regions in NGC 253: Ionized Gas Structure and Suggestions of a Universal Density—Surface Brightness Relation”
366. Ramambason, L. et al. 2026, *Astronomy & Astrophysics*, 706, 186
“Duration and properties of the embedded phase of star formation in 37 nearby galaxies from PHANGS-JWST”
365. Barnes, A. et al. 2026, *Astronomy & Astrophysics*, 706, 95
“The PHANGS-MUSE/HST-H03b1 nebulae catalogue: Parsec-scale resolved structure, physical conditions, and stellar associations across nearby galaxies”
364. Bazzi, Z.[†] et al. 2026, *Astronomy & Astrophysics*, 706, 40
“PHANGS-JWST: The largest extragalactic molecular cloud catalog traced by polycyclic aromatic hydrocarbon emission”
363. Graham, G.[†], **Dale, D.** et al. 2025, *Astrophysical Journal*, 170, 340
“PAH Marks the Spot: Digging for Buried Clusters in Nearby Star-forming Galaxies”
362. Egorov, O. et al. 2025, *Astronomy & Astrophysics*, 703, 103
“Polycyclic aromatic hydrocarbon destruction in star-forming regions across 42 nearby galaxies”
361. Pathak, D.[†] et al. 2025, *Astrophysical Journal Letters*, 993, 20
“Masses, Star Formation Efficiencies, and Dynamical Evolution of 18,000 H II Regions”

360. Oakes, E.[†] et al. 2025, *Astrophysical Journal*, 993, 193
“The Hierarchical Dynamical State of Molecular Gas from 3 to 300 pc in NGC 253”
359. Kreckel, K. et al. 2025, *Astronomy & Astrophysics*, 703, 42
“Temperature-based radial metallicity gradients in nearby galaxies”
358. Galić, I. et al. 2025, *Astronomy & Astrophysics*, 702, 250
“Surveying the Whirlpool at Arcseconds with NOEMA (SWAN): III. $^{13}\text{CO}/\text{C}^{18}\text{O}$ ratio variations across the M51 galaxy”
357. Sutter, J. et al. 2025, *Astrophysical Journal*, 992, 7
“Characterization of Two Cool Galaxy Outflow Candidates Using Mid-infrared Emission from Polycyclic Aromatic Hydrocarbons”
356. Stuber, S. et al. 2025, *Astronomy & Astrophysics*, 702, 66
“The SWAN view of dense gas in the Whirlpool: A cloud-scale comparison of N_2H^+ , HCO^+ , HNC , and HCN emission in M51”
355. Calzetti, D. et al. 2025, *Astrophysical Journal*, 991, 198
“Quantification of the Age Dependence of Mid-infrared Star Formation Rate Indicators”
354. Querejeta, M. et al. 2025, *Astronomy & Astrophysics*, 701, 183
“Azimuthal offsets in spiral arms of nearby galaxies”
353. Henny, K.[†], Dale, D. et al. 2025, *Astrophysical Journal*, 991, 76
“Star Clusters in the Near-ultraviolet-optical-near-infrared: Spectral Energy Distribution Modeling with Direct Markers of Gas and Dust Emission”
352. Clark, I.[†] et al. 2025, *Astrophysical Journal*, 990, 209
“The Resolved Structure of a Low-metallicity Photodissociation Region”
351. Thilker, D. et al. 2025, *Astrophysical Journal Supplements*, 280, 1
“PHANGS-HST Catalogs for $\sim 100,000$ Star Clusters and Compact Associations in 38 Galaxies. II. Physical Properties from Decision-tree-based Spectral Energy Distribution Fitting of NUV-U-B-V-I Photometry with Categorical Priors Set by $\text{H}\alpha$ Emission, Cluster Morphology, and Other Auxiliary Information”
350. Congiu, E. et al. 2025, *Astronomy & Astrophysics*, 700, 125
“The MUSE view of the Sculptor galaxy: Survey overview and the luminosity function of planetary nebulae”
349. Kim, J. et al. 2025, *Astrophysical Journal*, 988, 215
“Timescales of Polycyclic Aromatic Hydrocarbon and Dust Continuum Emission from Gas Clouds Compared to Molecular Gas Cloud Lifetimes in PHANGS-JWST Galaxies”
348. Patten, N.[†] et al. 2025, *Astrophysical Journal*, 988, 183
“Fundamental Parameters for Central Stars of 103 Infrared Bow Shock Nebulae”
347. Verwilghen, P. et al. 2025, *Astronomy & Astrophysics*, 700, 3
“Simulating nearby disc galaxies on the main star formation sequence: II. The gas structure transition in low and high stellar mass discs”
346. Chown, R. et al. 2025, *Astrophysical Journal*, 987, 91
“Relationships between Polycyclic Aromatic Hydrocarbons, Small Dust Grains, H_2 , and HI in Local Group Dwarf Galaxies NGC 6822 and WLM Using JWST, ALMA, and the VLA”
345. Romanelli, A.[†] et al. 2025, *Astronomy & Astrophysics*, 698, 296
“The impact of spiral arms on the star formation life cycle”
344. Fang, F.-N. et al. 2025, *Astrophysical Journal Supplements*, 278, 43
“Monitoring AGNs with $\text{H}\beta$ Asymmetry. V. Long-term Variation and Evolution of the Broad $\text{H}\beta$ Emission-line Profiles”
343. Elmegreen, B. et al. 2025, *Astrophysical Journal*, 986, 13
“An Investigation of Disk Thickness in M51 from $\text{H}\alpha$, $\text{Pa}\alpha$, and Mid-infrared Power Spectra”
342. Draine, B.T. et al. 2025, *Astrophysical Journal Letters*, 984, 42
“Detection of Deuterated Hydrocarbon Nanoparticles in the Whirlpool Galaxy, M51”

341. Rodriguez, M.J. et al. 2025, *Astrophysical Journal*, 983, 137
“Tracing the Earliest Stages of Star and Cluster Formation in 19 Nearby Galaxies with PHANGS-JWST and HST: Compact $3.3\mu\text{m}$ Polycyclic Aromatic Hydrocarbon Emitters and Their Relation to the Optical Census of Star Clusters”
340. Chown, R. et al. 2025, *Astrophysical Journal*, 983, 64
“Polycyclic Aromatic Hydrocarbon and CO(2–1) Emission at 50–150 pc Scales in 70 Nearby Galaxies”
339. Whitmore, B. et al. 2025, *Astrophysical Journal*, 982, 50
“Empirical SED Templates for Star Clusters Observed with HST and JWST: No Strong PAH or IR Dust Emission after 5 Myr”
338. Pathak, D.[†] et al. 2025, *Astrophysical Journal*, 982, 140
“Linking Stellar Populations to H II Regions across Nearby Galaxies. II. Infrared Reprocessed and UV Direct Radiation Pressure in H II Regions”
337. Williams, T. et al. 2025, *Monthly Notices of the Royal Astronomical Society*, 538, 3068
“The resolved star-formation efficiency of early-type galaxies”
336. Villanueva, V. et al. 2025, *Astronomy & Astrophysics*, 695, 202
“JWST Observations of Starbursts: Relations between PAH features and CO clouds in the starburst galaxy M82”
335. Fisher, D. et al. 2025, *Monthly Notices of the Royal Astronomical Society*, 538, 3068
“JWST Observations of Starbursts: Cold Clouds and Plumes Launching in the M 82 Outflow”
334. Chandar, R. et al. 2025, *Astronomical Journal*, 169, 150
“The PHANGS-HST-H α Survey: Warm Ionized Gas Physics at High Angular Resolution in Nearby Galaxies with the Hubble Space Telescope”
333. Dale, D. et al. 2025, *Astronomical Journal*, 169, 133
“PAH Feature Ratios Around Stellar Clusters and Associations in 19 Nearby Galaxies”
332. Cluver, M. et al. 2025, *Astrophysical Journal*, 979, 18
“The S4G-WISE View of Global Star Formation in the Nearby Universe”
331. Baron, D. et al. 2025, *Astrophysical Journal*, 978, 135
“PHANGS-ML: The Universal Relation between PAH Band and Optical Line Ratios across Nearby Star-forming Galaxies”
330. den Brok, J. et al. 2025, *Astronomical Journal*, 169, 18
“CO Isotopologue-derived Molecular Gas Conditions and CO-to-H₂ Conversion Factors in M51”
329. Brazzini, M.[†] et al. 2024, *Astronomy & Astrophysics*, 691, 173
“Metallicity calibrations based on auroral lines from PHANGS–MUSE data”
328. Eibensteiner, C.[†] et al. 2024, *Astronomy & Astrophysics*, 691, 163
“PHANGS-MeerKAT and MHONGOOSE HI observations of nearby spiral galaxies: Physical drivers of the molecular gas fraction, R_{mol} ”
327. Neumann, L.[†] et al. 2024, *Astronomy & Astrophysics*, 691, 121
“A 260 pc resolution ALMA map of HCN(1-0) in the galaxy NGC 4321”
326. Chastenet, J. et al. 2024, *Astronomy & Astrophysics*, 690, 348
“JWST MIRI and NIRCam observations of NGC 891 and its circumgalactic medium”
325. Whitcomb, C.[†] et al. 2024, *Astrophysical Journal*, 974, 20
“The Metallicity Dependence of PAH Emission in Galaxies. I. Insights from Deep Radial Spitzer Spectroscopy”
324. Levy, R. et al. 2024, *Astrophysical Journal Letters*, 973, L55
“JWST Observations of Starbursts: Massive Star Clusters in the Central Starburst of M82”
323. Sutter, J. et al. 2024, *Astrophysical Journal*, 971, 178
“The Fraction of Dust Mass in the Form of Polycyclic Aromatic Hydrocarbons on 10–50 pc Scales in Nearby Galaxies”
322. Querejeta, M. et al. 2024, *Astronomy & Astrophysics*, 687, 293
“Do spiral arms enhance star formation efficiency?”

321. Maschmann, D. et al. 2024, *Astronomical Journal*, 168, 5
“PHANGS-HST Catalogs for $\sim 100,000$ Star Clusters and Compact Associations in 38 Galaxies. I. Observed Properties”
320. Williams, T. et al. 2024, *Astrophysical Journal Supplements*, 273, 13
“PHANGS-JWST: Data-processing Pipeline and First Full Public Data Release”
319. Mayker Chen, N.[†] et al. 2024, *Astronomical Journal*, 168, 5
“H α Emission and HII Regions at the Locations of Recent Supernovae in Nearby Galaxies”
318. Zastrocky, T.[†] et al. 2024, *Astrophysical Journal Supplements*, 272, 29
“Monitoring AGNs with H β Asymmetry. IV. First Reverberation Mapping Results of 14 Active Galactic Nuclei”
317. Baron, D. et al. 2024, *Astrophysical Journal*, 968, 24
“PHANGS-ML: Dissecting Multiphase Gas and Dust in Nearby Galaxies Using Machine Learning”
316. Sun, J. et al. 2024, *Astrophysical Journal*, 967, 133
“Hidden Gems on a Ring: Infant Massive Clusters and Their Formation Timeline Unveiled by ALMA, HST, and JWST in NGC3351”
315. Bolatto, A. et al. 2024, *Astrophysical Journal*, 967, 63
“JWST Observations of Starbursts: Polycyclic Aromatic Hydrocarbon Emission at the Base of the M82 Galactic Wind”
314. Rickards Vaught, R.[†] et al. 2024, *Astrophysical Journal*, 966, 130
“Investigating the Drivers of Electron Temperature Variations in HII Regions with Keck-KCWI and VLT-MUSE”
313. Martin-Alvarez, S.[†] et al. 2024, *Astrophysical Journal*, 966, 43
“Extragalactic Magnetism with SOFIA (SALSA Legacy Program). VII. A Tomographic View of Far-infrared and Radio Polarimetric Observations through MHD Simulations of Galaxies”
312. Donnelly, G.[†] et al. 2024, *Astrophysical Journal*, 965, 75
“The Impact of an Active Galactic Nucleus on Polycyclic Hydrocarbon Emission in Galaxies: The Case of Ring Galaxy NGC 4138”
311. Finn, M.[†] et al. 2024, *Astrophysical Journal*, 964, 13
“ALMA-LEGUS. II. The Influence of Subgalactic Environments on Molecular Cloud Properties”
310. Finn, M.[†] et al. 2024, *Astrophysical Journal*, 964, 12
“ALMA-LEGUS. I. The Influence of Galaxy Morphology on Molecular Cloud Properties”
309. Hassani, H.[†] et al. 2024, *Astrophysical Journal Supplements*, 271, 2
“The PHANGS-AstroSat Atlas of Nearby Star-forming Galaxies”
308. Floyd, M.[†] et al. 2024, *Astronomical Journal*, 167, 9
“PHANGS Hubble Space Telescope Treasury Survey: Globular Cluster Systems in 17 Nearby Spiral Galaxies”
307. Pathak, D.[†] et al. 2024, *Astronomical Journal*, 167, 39
“A Two-Component Probability Distribution Function Describes the Mid-IR Emission from the Disks of Star-forming Galaxies”
306. Bortoloni, G.[†] et al. 2024, *Monthly Notices of the Royal Astronomical Society*, 527, 5339
“The spatially resolved star formation history of the dwarf spiral galaxy NGC 5474”
305. Stuber, S.[†] et al. 2023, *Astronomy & Astrophysics*, 680, 20
“Surveying the Whirlpool at Arcseconds with NOEMA (SWAN). I. Mapping the HCN and N $_2$ H $^+$ 3mm lines”
304. Young, J. et al. 2023, *Astrophysical Journal Letters*, 958, L5
“Halfway to the Peak: Spatially Resolved Star Formation and Kinematics in a $z = 0.54$ Dusty Galaxy with JWST/MIRI”
303. den Brok, J. et al. 2023, *Monthly Notices of the Royal Astronomical Society*, 526, 6347
“Resolved low-J 2 CO excitation at 190 parsec resolution across NGC 2903 and NGC 3627”
302. Zakardjian, A. et al. 2023, *Astronomy & Astrophysics*, 678, 171
“The impact of HII regions on giant molecular cloud properties in nearby galaxies sampled by PHANGS ALMA and MUSE”
301. Egorov, O. et al. 2023, *Astronomy & Astrophysics*, 678, 153
“Quantifying the energy balance between the turbulent ionised gas and young stars”

300. Belfiore, F. et al. 2023, *Astronomy & Astrophysics*, 678, 129
“Calibrating mid-infrared emission as a tracer of obscured star formation on HII region scales in the era of JWST”
299. Jimenez-Donaire, M. et al. 2023, *Astronomy & Astrophysics*, 676, 11
“A constant N₂H⁺ (1-0)-to-HCN (1-0) ratio on kiloparsec scales”
298. Stuber, S.[†] et al. 2023, *Astronomy & Astrophysics*, 676, 113
“The gas morphology of nearby star-forming galaxies”
297. Hannon, S. et al. 2023, *Monthly Notices of the Royal Astronomical Society*, 526, 2991
“Star Cluster Classification using Deep Transfer Learning with PHANGS-HST”
296. **Dale, D.** et al. 2023, *Astronomical Journal*, 165, 260
“Spectral Energy Distributions for 258 Local Volume Galaxies”
295. Eibensteiner, C.[†] et al. 2023, *Astronomy & Astrophysics*, 675, 37
“Kinematic analysis of the super-extended HI disk of the nearby spiral galaxy M83”
294. Pessa, I.[†] et al. 2023, *Astronomy & Astrophysics*, 673, 147
“Resolved stellar population properties of PHANGS-MUSE galaxies”
293. Borlaff, A.S. et al. 2023, *Astrophysical Journal*, 952, 4
“Extragalactic magnetism with SOFIA (SALSA Legacy Program)—V: First results on the magnetic field orientation of galaxies”
292. Watkins, E.J. et al. 2023, *Astronomy & Astrophysics*, 676, 67
“Quantifying the energetics of molecular superbubbles in PHANGS galaxies”
291. den Brok, J. et al. 2023, *Astronomy & Astrophysics*, 676, 93
“Wide-field CO isotopologue emission and the CO-to-H₂ factor across the nearby spiral galaxy M101”
290. Congiu, E. et al. 2023, *Astronomy & Astrophysics*, 672, 148
“PHANGS-MUSE: Detection and Bayesian classification of 40,000 ionised nebulae in nearby spiral galaxies”
289. Scheuermann, F.[†] et al. 2023, *Monthly Notices of the Royal Astronomical Society*, 522, 2369
“Stellar associations powering H II regions - I. Defining an evolutionary sequence”
288. Garcia-Rodriguez, A. et al. 2023, *Astronomy & Astrophysics*, 672, 96
“Sub-kiloparsec empirical relations and excitation conditions of HCN and HCO⁺ J=3-2 in nearby star-forming galaxies”
287. Sun, J. et al. 2023, *Astrophysical Journal*, 945, 19
“Star Formation Laws and Efficiencies across 80 Nearby Galaxies”
286. Chen, N.M.[†] et al. 2023, *Astrophysical Journal Letters*, 944, L28
“Serendipitous Nebular-phase JWST Imaging of SN Ia SN2021aefx: Testing the Confinement of ⁵⁶Co Decay Energy”
285. Neumann, L.[†] et al. 2023, *Monthly Notices of the Royal Astronomical Society*, 521, 3348
“The ALMOND Survey: Molecular cloud properties and gas density tracers across 25 nearby spiral galaxies with ALMA”
284. Whitmore, B. et al. 2023, *Monthly Notices of the Royal Astronomical Society*, 520, 63
“Improving Star Cluster Age Estimates in PHANGS-HST Galaxies and the Impact on Cluster Demographics in NGC 628”
283. Groves, B. et al. 2023, *Monthly Notices of the Royal Astronomical Society*, 520, 4902
“The PHANGS-MUSE Nebular Catalogue”
282. Schwartz, A.[†] et al. 2023, *Theoretical and Practical Teaching Strategies for K-12 Science Education in the Digital Age*, ed. Jason Trumble et al., IGI Global, 208
“Roles of Technology in the Science Classroom: Meta-Analysis, Example Vignettes, and Guidance for Teacher Practitioners and Educators”
281. Thilker, D. et al. 2023, *Astrophysical Journal Letters*, 944, L13
“PHANGS-JWST First Results: The Dust Filament Network of NGC 628 and its Relation to Star Formation Activity”

280. Sandstrom, K. et al. 2023, *Astrophysical Journal Letters*, 944, L7
“PHANGS-JWST First Results: Mapping the 3.3 micron Polycyclic Aromatic Hydrocarbon Vibrational Band in Nearby Galaxies with NIRCам Medium Bands”
279. Chastenet, J. et al. 2023, *Astrophysical Journal Letters*, 944, L11
“PHANGS-JWST First Results: Variations in PAH Fraction as a Function of ISM Phase and Metallicity”
278. Whitmore, B. et al. 2023, *Astrophysical Journal Letters*, 944, L14
“PHANGS-JWST First Results: Massive Young Star Clusters and New Insights from JWST Observations of NGC 1365”
277. Sandstrom, K. et al. 2023, *Astrophysical Journal Letters*, 944, L8
“PHANGS-JWST First Results: Tracing the Diffuse ISM with JWST Imaging of Polycyclic Aromatic Hydrocarbon Emission in Nearby Galaxies”
276. Leroy, A. et al. 2023, *Astrophysical Journal Letters*, 944, L9
“PHANGS-JWST First Results: Mid-infrared emission traces both gas column density and heating at 100 pc scales”
275. Chastenet, J. et al. 2023, *Astrophysical Journal Letters*, 944, L12
“PHANGS-JWST First Results: Measuring PAH Properties across the multiphase ISM”
274. Liu, D. et al. 2023, *Astrophysical Journal Letters*, 944, L19
“PHANGS-JWST First Results: Stellar Feedback-Driven Excitation and Dissociation of Molecular Gas in the Starburst Ring of NGC 1365?”
273. Schinnerer, E. et al. 2023, *Astrophysical Journal Letters*, 944, L15
“PHANGS-JWST First Results: Rapid Evolution of Star Formation in the Central Molecular Gas Ring of NGC1365”
272. Egorov, O. et al. 2023, *Astrophysical Journal Letters*, 944, L16
“PHANGS-JWST First Results: Destruction of the PAH molecules in HII regions probed by JWST and MUSE”
271. Meidt, S. et al. 2023, *Astrophysical Journal Letters*, 944, L18
“PHANGS-JWST First Results: ISM structure on the turbulent Jeans scale in four disk galaxies observed by JWST and ALMA”
270. Lee, J. et al. 2023, *Astrophysical Journal Letters*, 944, L17
“The PHANGS-JWST Treasury Survey: Star Formation, Feedback, and Dust Physics at High Angular resolution in Nearby Galaxies”
269. Hassani, H.[†] et al. 2023, *Astrophysical Journal Letters*, 944, L21
“PHANGS-JWST First Results: The 21 μ m Compact Source Population”
268. Barnes, A. et al. 2023, *Astrophysical Journal Letters*, 944, L22
“PHANGS-JWST First Results: Multi-wavelength view of feedback-driven bubbles (The Phantom Voids) across NGC 628”
267. Watkins, E. et al. 2023, *Astrophysical Journal Letters*, 944, L24
“PHANGS-JWST First Results: A statistical view on bubble evolution in NGC628”
266. **Dale, D.** et al. 2023, *Astrophysical Journal Letters*, 944, L23
“PHANGS-JWST First Results: The Influence of Stellar Clusters on PAHs in Nearby Galaxies”
265. Jaeyeon, K.[†] et al. 2023, *Astrophysical Journal Letters*, 944, L20
“PHANGS-JWST First Results: Duration of the early phase of massive star formation in NGC628”
264. Hoyer, N.[†] et al. 2023, *Astrophysical Journal Letters*, 944, L25
“PHANGS-JWST First Results: A combined HST and JWST analysis of the nuclear star cluster in NGC 628”
263. Rodriguez, M.J. et al. 2023, *Astrophysical Journal Letters*, 944, L26
“PHANGS-JWST First Results: Dust embedded star clusters in NGC 7496 selected via 3.3 μ m PAH emission”
262. Larson, K. et al. 2023, *Monthly Notices of the Royal Astronomical Society*, 523, 6061
“Multi-Scale Stellar Associations across the Star Formation Hierarchy in PHANGS-HST Nearby Galaxies: Methodology and Properties”
261. Mayker Chen, N.[†] et al. 2023, *Astrophysical Journal*, 944, 110
“Comparing the Locations of Supernovae to CO (2-1) Emission in their Host Galaxies”

260. Liu, D. et al. 2023, *Astronomy & Astrophysics*, 672, 36
“CI and CO in Nearby Spiral Galaxies—I. Line Ratio and Abundance Variations at ~ 200 pc Scales”
259. Belfiore, F. et al. 2023, *Astronomy & Astrophysics*, 670, 67
“Calibration of hybrid resolved star formation rate recipes based on PHANGS-MUSE H α and H β maps”
258. Chen, Y.-J. et al. 2023, *Monthly Notices of the Royal Astronomical Society*, 520, 1807
“Broad-line region in NGC 4151 monitored by two decades of reverberation mapping campaigns. I. Evolution of structure and kinematics”
257. Lopez-Rodriguez, E. et al. 2023, *Astrophysical Journal Letters*, 942, 13
“Extragalactic Magnetism with SOFIA (SALSA Legacy Program). VI. The magnetic fields in the multi-phase interstellar medium of the Antennae galaxies”
256. Cook, D., et al. 2023, *Monthly Notices of the Royal Astronomical Society*, 519, 3749
“Fraction of stars in clusters for the LEGUS dwarf galaxies”
255. Linden, S., et al. 2022, *Astrophysical Journal*, 935, 166
“Star Cluster Formation and Evolution in M101: An Investigation with the Legacy Extragalactic UV Survey”
254. Kreckel, K., et al. 2022, *Astronomy & Astrophysics*, 667, 16
“A physically motivated ”charge-exchange method” for measuring electron temperatures within H II regions”
253. Turner, J.[†], Dale, D., et al. 2022, *Monthly Notices of the Royal Astronomical Society*, 516, 4612
“PHANGS: Constraining Star Formation Timescales Using the Spatial Correlations of Star Clusters and Giant Molecular Clouds”
252. Lopez-Rodriguez, E. et al. 2022, *Astrophysical Journal*, 936, 92
“Extragalactic Magnetism with SOFIA (SALSA Legacy Program). IV. Program Overview and First Results on the Polarization Fraction”
251. Kim, J.[†] et al. 2022, *Monthly Notices of the Royal Astronomical Society*, 516, 3006
“Environmental dependence of the molecular cloud lifecycle in 54 main sequence galaxies”
250. Bao, D.-W. et al. 2022, *Astrophysical Journal Supplements*, 262, 14
“Monitoring AGNs with H β Asymmetry. III. Long-term Reverberation Mapping Results of 15 Palomar-Green Quasars”
249. Lopez-Rodriguez, E. et al. 2022, *Astrophysical Journal*, 936, 65
“Extragalactic Magnetism with SOFIA (SALSA Legacy Program). III. First Data Release and On-the-fly Polarization Mapping Characterization”
248. Smith, M.[†] et al. 2022, *Monthly Notices of the Royal Astronomical Society*, 516, 477
“A multi-wavelength study of nearby star-forming spiral galaxies & the clustering of star formation in M63”
247. Smith, M.[†] et al. 2022, *Monthly Notices of the Royal Astronomical Society*, 515, 3270
“A multi-wavelength study of Star Formation in nearby galaxies: Evidence for inside-out growth of the stellar disc”
246. Sun, J.[†] et al. 2022, *Astronomical Journal*, 164, 43
“Molecular Cloud Populations in the Context of Their Host Galaxy Environments: A Multiwavelength Perspective”
245. Pessa, I.[†] et al. 2022, *Astronomy & Astrophysics*, 663, 61
“Variations in the $\Sigma_{\text{SFR}} - \Sigma_{\text{mol}} - \Sigma_{\text{*}}$ plane across galactic environments in PHANGS galaxies”
244. Barnes, A. et al. 2022, *Astronomy & Astrophysics*, 662, 6
“Linking stellar populations to HII regions across nearby galaxies. I. Constraining pre-supernova feedback from young clusters in NGC 1672”
243. Smercina, A. et al. 2022, *Astrophysical Journal*, 929, 154
“After The Fall: Resolving the Molecular Gas in Post-starburst Galaxies”
242. Emsellem, E. et al. 2022, *Astronomy & Astrophysics*, 659, 191
“The PHANGS-MUSE survey. Probing the chemo-dynamical evolution of disc galaxies”
241. Leroy, A. et al. 2022, *Astrophysical Journal*, 927, 149
“Low-J CO Line Ratios from Single-dish CO Mapping Surveys and PHANGS-ALMA”

240. Pan, H.-A. et al. 2022, *Astrophysical Journal*, 927, 9
“The Gas-Star Formation Cycle in Nearby Star-forming Galaxies. II. Resolved Distributions of CO and H α Emission for 49 PHANGS Galaxies”
239. Belfiore, F. et al. 2022, *Astronomy & Astrophysics*, 659, 26
“A tale of two DIGs: The relative role of H II regions and low-mass hot evolved stars in powering the diffuse ionised gas (DIG) in PHANGS-MUSE galaxies”
238. Santoro, F. et al. 2022, *Astronomy & Astrophysics*, 658, 188
“PHANGS-MUSE: The H II region luminosity function of local star-forming galaxies”
237. Lee, J. et al. 2022, *Astrophysical Journal Supplements*, 258, 10
“The PHANGS-HST Survey: Physics at High Angular Resolution in Nearby Galaxies with the Hubble Space Telescope”
236. Deger, S. et al. 2022, *Monthly Notices of the Royal Astronomical Society*, 510, 32
“Bright, relatively isolated star clusters in PHANGS-HST galaxies: Aperture corrections, quantitative morphologies, and comparison with synthetic stellar population models”
235. Thilker, D. et al. 2022, *Monthly Notices of the Royal Astronomical Society*, 509, 4094
“PHANGS-HST: New methods for star cluster identification in nearby galaxies”
234. Chevance, M. et al. 2022, *Monthly Notices of the Royal Astronomical Society*, 509, 272
“Pre-supernova feedback mechanisms drive the destruction of molecular clouds in nearby star-forming disc galaxies”
233. Orozco-Duarte, R.[†] et al. 2022, *Monthly Notices of the Royal Astronomical Society*, 509, 522
“Synthetic photometry of OB star clusters with stochastically sampled IMFs: Analysis of models and HST observations”
232. Lopez-Rodriguez, E. et al. 2021, *Astrophysical Journal*, 923, 150
“Extragalactic Magnetism with SOFIA (Legacy Program) - II: A Magnetically Driven Flow in the Starburst Ring of NGC 1097”
231. Leroy, A. et al. 2021, *Astrophysical Journal Supplements*, 257, 43
“PHANGS-ALMA: Arcsecond CO(2-1) Imaging of Nearby Star-forming Galaxies”
230. Querejeta, M. et al. 2021, *Astronomy & Astrophysics*, 656, 1333
“Stellar structures, molecular gas, and star formation across the PHANGS sample of nearby galaxies”
229. Barnes, A. et al. 2021, *Monthly Notices of the Royal Astronomical Society*, 508, 5362
“Comparing the pre-SNe feedback and environmental pressures for 6000 H II regions across 19 nearby spiral galaxies”
228. Borlaff, A. et al. 2021, *Astrophysical Journal*, 921, 128
“Extragalactic Magnetism with SOFIA (Legacy Program). I. The Magnetic Field in the Multiphase Interstellar Medium of M51”
227. Stuber, S.[†] et al. 2021, *Astronomy & Astrophysics*, 653, 172
“Frequency and nature of central molecular outflows in nearby star-forming disk galaxies”
226. Menon, S.[†] et al. 2021, *Monthly Notices of the Royal Astronomical Society*, 507, 5542
“The dependence of the hierarchical distribution of star clusters on galactic environment”
225. Whitmore, B. et al. 2021, *Monthly Notices of the Royal Astronomical Society*, 506, 5294
“Star cluster classification in the PHANGS-HST survey: Comparison between human and machine learning approaches”
224. Leroy, A. et al. 2021, *Astrophysical Journal Supplements*, 255, 19
“PHANGS-ALMA Data Processing and Pipeline”
223. Tarantino, E.[†] et al. 2021, *Astrophysical Journal*, 915, 92
“Characterizing the Multiphase Origin of [CII] Emission in M101 and NGC 6946 with Velocity-resolved Spectroscopy”
222. Smith, M.[†] et al. 2021, *Monthly Notices of the Royal Astronomical Society*, 505, 3998
“A multiwavelength study of star formation in 15 local star-forming galaxies”

221. Pessa, I.[†] et al. 2021, *Astronomy & Astrophysics*, 650, 134
“Star formation scaling relations at ~ 100 pc from PHANGS: Impact of completeness and spatial scale”
220. Meidt, S. et al. 2021, *Astrophysical Journal*, 913, 113
“The Organization of Cloud-scale Gas Density Structure: High-resolution CO versus $3.6\mu\text{m}$ Brightness Contrasts in Nearby Galaxies”
219. Calzetti, D. et al. 2021, *Astrophysical Journal*, 913, 37
“Revisiting Attenuation Curves: The Case of NGC 3351”
218. Oknyansky, V. et al. 2021, *Monthly Notices of the Royal Astronomical Society*, 505, 1029
“Multi-Wavelength Monitoring and Reverberation Mapping of a Changing Look Event in the Seyfert Galaxy NGC 3516”
217. Williams, T. et al. 2021, *Astronomical Journal*, 161, 185
“Applying the Tremaine-Weinberg Method to Nearby Galaxies: Stellar-mass-based Pattern Speeds and Comparisons with ISM Kinematics”
216. Kim, J.[†] et al. 2021, *Monthly Notices of the Royal Astronomical Society*, 504, 487
“On the duration of the embedded phase of star formation”
215. Sutter, J.[†], **Dale, D.** et al. 2021, *Monthly Notices of the Royal Astronomical Society*, 503, 911,
“The Case for Thermalization as a Contributor to the [CII] Deficit”
214. Rosolowsky, E., et al. 2021, *Monthly Notices of the Royal Astronomical Society*, 502, 1218
“Giant Molecular Cloud Catalogues for PHANGS-ALMA: Methods and Initial Results”
213. Turner, J.[†], **Dale, D.** et al. 2021, *Monthly Notices of the Royal Astronomical Society*, 502, 1366
“PHANGS-HST: Star Cluster Spectral Energy Distribution Fitting with CIGALE”
212. Anand, G.[†] et al. 2021, *Monthly Notices of the Royal Astronomical Society*, 501, 3621
“Distances to PHANGS Galaxies: New Tip of the Red Giant Branch Measurements and Adopted Distances”
211. Jones, T. et al. 2020, *Astronomical Journal*, 160, 167
“HAWC+ Far-infrared Observations of the Magnetic Field Geometry in M51 and NGC891”
210. Kreckel, K. et al. 2020, *Monthly Notices of the Royal Astronomical Society*, 499, 193
“Measuring the mixing scale of the ISM within nearby spiral galaxies”
209. Sun, J.[†] et al. 2020, *Astrophysical Journal*, 908, 8
“Molecular Gas Properties on Cloud Scales across the Local Star-forming Galaxy Population”
208. Lin, Z.[†] et al. 2020, *Astrophysical Journal*, 896, 16
“The Age Dependence of Mid-infrared Emission around Young Star Clusters”
207. **Dale, D.** et al. 2020, *Astronomical Journal*, 159, 195
“Radial Star Formation Histories in 32 Nearby Galaxies”
206. Wofford, A. et al. 2020, *Monthly Notices of the Royal Astronomical Society*, 493, 2410
“Candidate LBV stars in galaxy NGC 7793 found via HST photometry + MUSE spectroscopy”
205. Sun, J.[†] et al. 2020, *Astrophysical Journal*, 892, 148
“Dynamical Equilibrium in the Molecular ISM in 28 Nearby Star-forming Galaxies”
204. Wei, W.[†] et al. 2020, *Monthly Notices of the Royal Astronomical Society*, 493, 3178
“Deep Transfer Learning for Star Cluster Classification: I. Application to the PHANGS-HST Survey”
203. Whitmore, B. et al. 2020, *Astrophysical Journal*, 889, 154
“LEGUS and Ha-LEGUS Observations of Star Clusters in NGC 4449: Improved Ages and the Fraction of Light in Clusters as a Function of Age”
202. Aniano, G.[†] et al. 2020, *Astrophysical Journal*, 889, 150
“Modeling Dust and Starlight in Galaxies Observed by Spitzer and Herschel: The KINGFISH Sample”
201. Herrera, C., et al. 2020, *Astronomy & Astrophysics*, 634, 121
“The headlight cloud in NGC 628: An extreme giant molecular cloud in a typical galaxy disk”
200. Elmegreen, B. et al. 2020, *Astrophysical Journal*, 888, 27
“Spatial Segregation of Massive Clusters in Dwarf Galaxies”

199. Lopez-Rodriguez, E. et al. 2020, *Astrophysical Journal*, 888, 66
“SOFIA/HAWC+ Traces the Magnetic Fields in NGC 1068”
198. Cignoni, M. et al. 2019, *Astrophysical Journal*, 887, 112
“Star Formation Histories of the LEGUS Dwarf Galaxies. III. The Nonbursty Nature of 23 Star-forming Dwarf Galaxies”
197. Crocker, A. et al. 2019, *Astrophysical Journal*, 887, 105
“[C I](1-0) and [C I](2-1) in Resolved Local Galaxies”
196. Schinnerer, E. et al. 2019, *Astrophysical Journal*, 887, 49
“The Gas—Star Formation Cycle in Nearby Star-forming Galaxies. I. Assessment of Multi-scale Variations”
195. Jarrett, T. et al. 2019, *Astrophysical Journal Supplements*, 245, 25
“The WISE Extended Source Catalog (WXSC). I. The 100 Largest Galaxies”
194. Sutter, J.[†], Dale, D. et al. 2019, *Astrophysical Journal*, 886, 60
“Using C[II] 158 μ m Emission from Isolated ISM Phases as a Star-formation Rate Indicator”
193. Hannon, S.[†] et al. 2019, *Monthly Notices of the Royal Astronomical Society*, 490, 4648
“H α Morphologies of Star Clusters: A LEGUS study of HII region evolution timescales and stochasticity in low mass clusters”
192. Ho, I. et al. 2019, *Astrophysical Journal*, 885, 31
“Mapping Electron Temperature Variations across a Spiral Arm in NGC 1672”
191. Turner, J.[†], Dale, D. et al. 2019, *Astrophysical Journal*, 884, 112
“An ALMA/HST Study of Millimeter Dust Emission and Star Clusters”
190. Santos, F. et al. 2019, *Astrophysical Journal*, 882, 113
“The Far-infrared Polarization Spectrum of Rho Ophiuchi A from HAWC+/SOFIA Observations”
189. Cook, D. et al. 2019, *Astrophysical Journal*, 880, 7
“Census of the Local Universe (CLU) Narrowband Survey. I. Galaxy Catalogs from Preliminary Fields”
188. Staudaher, S.[†], Dale, D. et al. 2019, *Monthly Notices of the Royal Astronomical Society*, 486, 1995
“The Extended Disc Galaxy Exploration Science Survey: description and surface brightness profile properties”
187. Sacchi, E. et al. 2019, *Astrophysical Journal*, 878, 1
“Star Formation Histories of the LEGUS Spiral Galaxies. I. The Flocculent Spiral NGC 7793”
186. Cook, D. et al. 2019, *Monthly Notices of the Royal Astronomical Society*, 484, 4897
“Star cluster catalogues for the LEGUS dwarf galaxies”
185. Chuss, D. et al. 2019, *Astrophysical Journal*, 872, 187
“HAWC+/SOFIA Multiwavelength Polarimetric Observations of OMC-1”
184. Dale, D., Sutter, J.[†], & Kloster, D.[†] 2019, *The Physics Teacher*, 57, 547
“Asking Real-World Questions with Inquiry-Based Labs”
183. Grasha, K.[†] et al. 2019, *Monthly Notices of the Royal Astronomical Society*, 483, 4707
“The spatial relation between young star clusters and molecular clouds in M51 with LEGUS”
182. Kasper, D.[†] et al. 2019, *Monthly Notices of the Royal Astronomical Society*, 483, 3781
“A transmission spectrum of HD 189733b from multiple broad-band filter observations”
181. Hunt, L. et al. 2019, *Astronomy & Astrophysics*, 612, 51
“Comprehensive comparison of models for spectral energy distributions from 0.1 μ m to 1 mm of nearby star-forming galaxies”
180. Murphy, E.J. et al. 2018, *Science with a Next Generation Very Large Array*, Astronomical Society of the Pacific Conference Series, 517
“The ngVLA Science Case and Associated Science Requirements”
179. Grasha, K.[†] et al. 2018, *Monthly Notices of the Royal Astronomical Society*, 481, 1016
“Connecting Young Star Clusters to CO Molecular Gas in NGC 7793 with ALMA-LEGUS”
178. Hunter, D. et al. 2018, *Astronomical Journal*, 156, 21
“A Comparison of Young Star Properties with Local Galactic Environment for LEGUS/LITTLE THINGS Dwarf Irregular Galaxies”

177. Richards, E.[†] et al. 2018, *Monthly Notices of the Royal Astronomical Society*, 476, 5127
“Baryonic distributions in galaxy dark matter haloes - II. Final results”
176. Shabani, F.[†] et al. 2018, *Monthly Notices of the Royal Astronomical Society*, 478, 3590
“Search For Star Cluster Age Gradients Across Spiral Arms of Three LEGUS Disk Galaxies”
175. Sacchi, E. et al. 2018, *Monthly Notices of the Royal Astronomical Society*, 857, 63
“Star Formation Histories of the LEGUS Dwarf Galaxies. II. Spatially Resolved Star Formation History of the Magellanic Irregular NGC 4449”
174. Messa, M.[†] et al. 2018, *Monthly Notices of the Royal Astronomical Society*, 477, 1683
“The young star cluster population of M51 with LEGUS - II. Testing environmental dependencies”
173. Sabbi, E.[†] et al. 2018, *Astrophysical Journal Supplements*, 235, 23
“The Resolved Stellar Populations in the LEGUS Galaxies”
172. Cignoni, M. et al. 2018, *Astrophysical Journal*, 856, 62
“Star Formation Histories of the LEGUS Dwarf Galaxies. I. Recent History of NGC 1705, NGC 4449, and Holmberg II”
171. Kahre, L.[†] et al. 2018, *Astrophysical Journal*, 855, 133
“Extinction Maps and Dust-to-gas Ratios in Nearby Galaxies with LEGUS”
170. Smercina, A.[†] et al. 2018, *Astrophysical Journal*, 855, 51
“After the Fall: The Dust and Gas in E+A Post-starburst Galaxies”
169. Hunter, D. et al. 2018, *Astrophysical Journal*, 855, 7
“A Study of Two Dwarf Irregular Galaxies with Asymmetrical Star Formation Distributions”
168. Messa, M.[†] et al. 2018, *Monthly Notices of the Royal Astronomical Society*, 473, 996
“The young star cluster population of M51 with LEGUS - I. A comprehensive study of cluster formation and evolution”
167. Croxall, K. et al. 2017, *Astrophysical Journal*, 850, 96
“The Origins of [CII] Emission in Local Star-forming Galaxies”
166. Cluver, M. et al. 2017, *Astrophysical Journal*, 850, 68
“Calibrating Star Formation in WISE Using Total Infrared Luminosity”
165. Ashworth, G.[†] et al. 2017, *Monthly Notices of the Royal Astronomical Society*, 469, 2464
“Exploring the IMF of star clusters: a joint SLUG and LEGUS effort”
164. Kirkpatrick, A. et al. 2017, *Astrophysical Journal*, 843, 71
“A Controlled Study of Cold Dust Content in Galaxies from $z = 0-2$ ”
163. Grasha, K.[†] et al. 2017, *Astrophysical Journal*, 842, 25
“Hierarchical Star Formation in Turbulent Media: Evidence from Young Star Clusters”
162. Abdullah, A.[†] et al. 2017, *Astrophysical Journal*, 842, 4
“The Origin of [C ii] 157 03bcm Emission in a Five-component Interstellar Medium: The Case of NGC 3184 and NGC 628”
161. Adamo, A. et al. 2017, *Astrophysical Journal*, 841, 131
“Legacy ExtraGalactic UV Survey with The Hubble Space Telescope: Stellar Cluster Catalogs and First Insights Into Cluster Formation and Evolution in NGC 628”
160. Ryon, J.[†] et al. 2017, *Astrophysical Journal*, 841, 92
“Effective Radii of Young, Massive Star Clusters in Two LEGUS Galaxies”
159. Grasha, K.[†] et al. 2017, *Astrophysical Journal*, 840, 113
“The Hierarchical Distribution of the Young Stellar Clusters in Six Local Star-forming Galaxies”
158. Gouliermis, D., et al. 2017, *Monthly Notices of the Royal Astronomical Society*, 468, 509
“Hierarchical star formation across the grand-design spiral NGC 1566”
157. Dale, D., et al. 2017, *Astrophysical Journal*, 837, 90
“Updated 34-band Photometry for the Sings/KINGFISH Samples of Nearby Galaxies”
156. Tabatabaei, F. et al. 2017, *Astrophysical Journal*, 836, 185
“The Radio Spectral Energy Distribution and Star-formation Rate Calibration in Galaxies”

155. Herrera-Camus, R. et al. 2017, *Astrophysical Journal*, 835, 201
“Thermal Pressure in the Cold Neutral Medium of Nearby Galaxies”
154. Smith, J.-D.T. et al. 2017, *Astrophysical Journal*, 834, 5
“The Spatially Resolved [CII] Cooling Line Deficit in Galaxies”
153. Dobbs, C.L. et al. 2017, *Monthly Notices of the Royal Astronomical Society*, 463, 3580
“The properties, origin and evolution of stellar clusters in galaxy simulations and observations”
152. Kobulnicky, H.A. et al. 2016, *Astrophysical Journal Supplements*, 227, 18
“A Comprehensive Search for Stellar Bowshock Nebulae in the Milky Way: A Catalog of 709 Mid-infrared Selected Candidates”
151. Cook, D.O.[†], **Dale, D.** et al. 2016, *Monthly Notices of the Royal Astronomical Society*, 462, 3766
“The connection between galaxy environment and the luminosity function slopes of star-forming regions”
150. de Blok, W.J.G. et al. 2016, *Astronomical Journal*, 152, 51
“Comparing [CII], HI, and CO Dynamics of Nearby Galaxies”
149. Richards, E.[†] et al. 2016, *Monthly Notices of the Royal Astronomical Society*, 460, 689
“Baryonic distributions in galaxy dark matter haloes - I. New observations of neutral and ionized gas kinematics”
148. Boquien, M. et al. 2016, *Astronomy & Astrophysics*, 591, 6
“Towards universal hybrid star formation rate estimators”
147. Kobulnicky, H.A. & **Dale, D.** 2016, *Journal of College Science Teaching*, 45, No. 6, p. 17
“A Community Mentoring Model for STEM Undergraduate Research Experiences”
146. **Dale, D.** et al. 2016, *Astronomical Journal*, 151, 4
“Radial Star Formation Histories in Fifteen Nearby Galaxies”
145. Grasha, K.[†] et al. 2015, *Astrophysical Journal*, 815, 93
“The Spatial Distribution of the Young Stellar Clusters in the Star-Forming Galaxy NGC 628”
144. Staudaher, S.[†], **Dale, D.** et al. 2015, *Monthly Notices of the Royal Astronomical Society*, 454, 3613
“The stellar halo and tidal streams of Messier 63”
143. Calzetti, D. et al. 2015, *Astrophysical Journal*, 811, 75
“The Brightest Young Star Clusters in NGC 5253”
142. Gouliermis, D.A. et al. 2015, *Monthly Notices of the Royal Astronomical Society*, 452, 3508
“Hierarchical star formation across the ring galaxy NGC 6503”
141. Richards, E.[†] et al. 2015, *Monthly Notices of the Royal Astronomical Society*, 449, 3981
“Baryonic distributions in the dark matter halo of NGC 5005”
140. Hunt, L. et al. 2015, *Astronomy & Astrophysics*, 576, 33
“Cool dust heating and temperature mixing in nearby star-forming galaxies”
139. van der Laan, T. et al. 2015, *Astronomy & Astrophysics*, 575, 83
“Heating and cooling of the neutral ISM in the NGC 4736 circumnuclear ring”
138. Herrera-Camus, R. et al. 2015, *Astrophysical Journal*, 800, 1
“[C II] 158 μm Emission as a Star Formation Tracer”
137. de los Reyes, M.* et al. 2015, *Astronomical Journal*, 149, 79
“The Relationship between Stellar Mass, Gas Metallicity, and Star Formation Rate for H α -Selected Galaxies at $z \sim 0.8$ from the NewH α Survey”
136. Groves, B. et al. 2015, *Astrophysical Journal*, 799, 96
“Dust Continuum Emission as a Tracer of Gas Mass in Galaxies”
135. Cook, D.[†], **Dale, D.** et al. 2014, *Monthly Notices of the Royal Astronomical Society*, 445, 899
“Spitzer Local Volume Legacy (LVL) SEDs and Physical Properties”
134. Cook, D.[†], **Dale, D.** et al. 2014, *Monthly Notices of the Royal Astronomical Society*, 445, 890
“Empirical ugr i -UBVR c Transformations for Galaxies”
133. Cook, D.[†], **Dale, D.** et al. 2014, *Monthly Notices of the Royal Astronomical Society*, 445, 881
“The Spitzer Local Volume Legacy (LVL) Global Optical Photometry”

132. Koblunicky, H. et al. 2014, *Astrophysical Journal Supplements*, 213, 34
“Toward Complete Statistics of Massive Binary Stars: Penultimate Results from the Cygnus OB2 Radial Velocity Survey”
131. Kreckel, K. et al. 2014, *Astrophysical Journal*, 790, 26
“A Far-IR View of the Starburst-Driven Superwind in NGC 2146”
130. Kirkpatrick, A.[†] et al. 2014, *Astrophysical Journal*, 789, 130
“Untangling the Nature of Spatial Variations of Cold Dust Properties in Star Forming Galaxies”
129. Barnes, K. et al. 2014, *Astrophysical Journal*, 789, 126
“New Insights on the Formation and Assembly of M83 from Deep Near-infrared Imaging”
128. Galametz, M. et al. 2014, *Monthly Notices of the Royal Astronomical Society*, 439, 2542
“Dissecting the origin of the submillimetre emission in nearby galaxies with Herschel and LABOCA”
127. **Dale, D.** et al. 2014, *Astrophysical Journal*, 784, 83
“A Two-Parameter Model for the Infrared/Submillimeter/Radio Spectral Energy Distributions of Galaxies and AGN”
126. Magdis, G. et al. 2013, *Astronomy & Astrophysics*, 558, 136
“Mid- to Far-Infrared Properties of Star-Forming Galaxies and Active Galactic Nuclei”
125. Pellegrini, E. et al. 2013, *Astrophysical Journal Letters*, 779, 19
“Shock Excited Molecules in NGC 1266: ULIRG Conditions at the Center of a Bulge-Dominated Galaxy”
124. Kirkpatrick, A.[†] et al. 2013, *Astrophysical Journal*, 778, 51
“Investigating the Presence of 500 μ m Excess Emission in Local Star-Forming Galaxies”
123. Croxall, K. et al. 2013, *Astrophysical Journal*, 777, 96
“Towards A Removal of Temperature Dependencies from Abundance Determinations: NGC 628”
122. Grasha, K.[†] et al. 2013, *Astrophysical Journal*, 773, 174
“The Nature of the Second Parameter in the IRX- β Relation for Local Galaxies”
121. Sandstrom, K. et al. 2013, *Astrophysical Journal*, 777, 5
“The CO-to-H₂ Conversion Factor and Dust-to-Gas Ratio on Kiloparsec Scales in Nearby Galaxies”
120. Kreckel, K. et al. 2013, *Astrophysical Journal*, 771, 62
“Mapping Dust Through Emission and Absorption in Nearby Galaxies”
119. Johnson, B. et al. 2013, *Astrophysical Journal*, 772, 8
“Measuring Galaxy Star Formation Rates from Integrated Photometry: Insights from Color-Magnitude Diagrams of Resolved Stars”
118. Wei, P. et al. 2013, *Astrophysical Journal*, 772, 28
“Mid-Infrared Spectral Properties of Post-Starburst Quasars”
117. Li, Y.[†] et al. 2013, *Astrophysical Journal*, 768, 180
“Star Formation Rates in Resolved Galaxies: Calibrations with Near- and Far-Infrared Data for NGC 5055 and NGC 6946”
116. Galametz, M. et al. 2013, *Monthly Notices of the Royal Astronomical Society*, 431, 1956
“Calibration of the Total Infrared Luminosity of Nearby Galaxies from Spitzer and Herschel Bands”
115. Tabatabaei, F. et al. 2013, *Astronomy & Astrophysics*, 552, 19
“A Detailed Study of the Radio-FIR Correlation in NGC 6946 with Herschel-PACS/SPIRE from KINGFISH”
114. Shi, Y. et al. 2013, *Astrophysical Journal*, 764, 28
“A Synthesis of the Cosmic Infrared and X-ray Backgrounds: Constraints on Cosmic Co-Evolution of Black Hole Growth and Dusty Star Formation Rate”
113. Momcheva, I. et al. 2013, *Astronomical Journal*, 145, 47
“Nebular Attenuation in H α -selected Star-forming Galaxies from the NewH α Survey”
112. Galametz, M. et al. 2012, *Monthly Notices of the Royal Astronomical Society*, 425, 763
“Mapping the Cold Dust Temperatures and Masses of Nearby KINGFISH Galaxies with Herschel”
111. Hinz, J. et al. 2012, *Astrophysical Journal*, 754, 98
“Cool Dust in the Outer Ring of NGC 1291”

110. Aniano, G.[†] et al. 2012, *Astrophysical Journal*, 756, 138
“Modeling Dust and Starlight in Galaxies Observed by Spitzer and Herschel: NGC 0628 and NGC 6946”
109. Berg, D.[†] et al. 2012, *Astrophysical Journal*, 754, 98
“Direct Oxygen Abundances for Low Luminosity LVL Galaxies”
108. Lee, J. et al. 2012, *Publications of the Astronomical Society of the Pacific*, 124, 782
“A Dual Narrowband Survey for H α Emitters at $z = 2.2$: Demonstration of the Technique and Constraints on the H α Luminosity Function”
107. Cook, D.[†], Seth, A., **Dale, D.** et al. 2012, *Astrophysical Journal*, 751, 100
“Quantifying the Cluster Formation Efficiency of Nearby Dwarf Galaxies”
106. Beirão, P. et al. 2012, *Astrophysical Journal*, 751, 144
“Heating and Cooling of the ISM in NGC 1097 with Herschel PACS and Spitzer IRS”
105. Croxall, K. et al. 2012, *Astrophysical Journal*, 747, 81
“Resolving the FIR Line Deficit: Photoelectric Heating and Far-IR Line Cooling in NGC 1097 and NGC 4559”
104. **Dale, D.** et al. 2012, *Astrophysical Journal*, 745, 95
“Herschel Far-Infrared and Sub-millimeter Photometry for the KINGFISH Sample of Nearby Galaxies”
103. Nakajima, N. et al. 2012, *Astrophysical Journal*, 745, 12
“Average Metallicity and Star Formation Rate of Ly α Emitters Probed by a Triple Narrowband Survey”
102. Kennicutt, R. et al. 2011, *Publications of the Astronomical Society of the Pacific*, 123, 1347
“KINGFISH: Key Insights on Nearby Galaxies: A Far-Infrared Survey with Herschel”
101. Weisz, D. et al. 2011, *Astrophysical Journal*, 744, 44
“Modeling the Effects of Star Formation Histories on H α and Ultraviolet Fluxes in Nearby Dwarf Galaxies”
100. Shang, Z., Brotherton, M., et al. 2011, *Astrophysical Journal Supplements*, 196, 2
“The Next Generation Atlas of Quasar Spectral Energy Distributions from Radio to X-ray”
99. Hao, C. et al. 2011, *Astrophysical Journal*, 741, 124
“Dust-Corrected Star Formation Rates of Galaxies. II. Combinations of Ultraviolet and Infrared Tracers”
98. Skibba, R. et al. 2011, *Astrophysical Journal*, 738, 89
“Dust and Stellar Emission of Nearby Galaxies in the KINGFISH Herschel Survey”
97. Murphy, E. et al. 2011, *Astrophysical Journal*, 737, 67
“Calibrating Extinction-Free Star Formation Rate Diagnostics with Ka-Band (26-40 GHz) Radio Emission in NGC 6946”
96. Wu, Y. et al. 2011, *Astrophysical Journal*, 734, 40
“The Mid-IR Luminosity Function at $z < 0.3$ from 5MUSES: Understanding the Star-formation/AGN Balance from a Spectroscopic View”
95. Bothwell, M.[†] et al. 2011, *Monthly Notices of the Royal Astronomical Society*, 415, 1815
“The Star Formation Rate Distribution Function of the Local Universe”
94. Alberts, S.[†] et al. 2011, *Astrophysical Journal*, 731, 28
“The Evolution of Stellar Populations in the Outer Disks of Spiral Galaxies”
93. Walter, F. et al. 2011, *Astrophysical Journal Letters*, 726, L11
“Cold Dust in the Tidal HI Arms of the M 81 Triplet”
92. Ly, C.[†] et al. 2011, *Astrophysical Journal*, 726, 109
“The H α Luminosity Function and Star-Formation Rate Volume Density at $z=0.8$ from the NEWFIRM H α Survey”
91. Walcher, J., Groves, B., Budavári, T. & **Dale, D.** 2011, *Astrophysics and Space Science*, 331, 1
“Fitting the Integrated Spectral Energy Distributions of Galaxies”
90. Li, Y.[†] et al. 2010, *Astrophysical Journal*, 725, 677
“Spitzer 70 μm Emission as a Star Formation Rate Indicator for Sub-Galactic Regions”
89. Wu, Y. et al. 2010, *Astrophysical Journal*, 723, 895
“Infrared Luminosities and Aromatic Features in the 24 μm Flux-Limited Sample of 5MUSES”

88. Moustakas, J. et al. 2010, *Astrophysical Journal Supplements*, 190, 233
“Optical Spectroscopy and Nebular Oxygen Abundances of the Spitzer/SINGS Galaxies”
87. Moore, C.[†], Dale, D., Barlow, R.[†], Cohen, S.[†], Cook, D.[†], Johnson, L.C.[†], Kattner, S.[†], & Staudaher, S. 2010, *Astronomical Journal*, AJ, 140, 253
“The Wyoming Survey for H α . III. A Multi-Wavelength Look at Extinction by Dust in Galaxies out to $z \sim 0.4$ ”
86. Beirão, P. et al. 2010, *Astronomy & Astrophysics Letters*, 518, 60
“Far-Infrared Line Imaging of the Starburst Ring in NGC 1097 with the Herschel/PACS Spectrometer”
85. Sandstrom, K. et al. 2010, *Astronomy & Astrophysics Letters*, 518, 59
“Mapping Far-Infrared Emission from the Central Kiloparsec of NGC 1097”
84. Engelbracht, C. et al. 2010, *Astronomy & Astrophysics Letters*, 518, 56
“Dust Heating by Starlight in the Central Regions of Nearby Galaxies”
83. Marble, A. et al. 2010, *Astrophysical Journal*, 715, 506
“An Aromatic Feature Emission Inventory of the Local Volume”
82. Calzetti, D. et al. 2010, *Astrophysical Journal*, 714, 1256
“The Calibration of Monochromatic Far-Infrared Star Formation Rate Indicators”
81. Dale, D., Barlow, R.[†], Cohen, S.[†], Cook, D.[†], Johnson, L.C.[†], Kattner, S.[†], Moore, C.[†], Schuster, M.[†], Staudaher, S. 2010, *Astrophysical Journal Letters*, 712, L189
“The Wyoming Survey for H α . II. H α Luminosity Functions at $z \sim 0.16, 0.24, 0.32, \text{ and } 0.40$ ”
80. Boquien, M. et al. 2010, *Astrophysical Journal*, 713, 626
“Total Infrared Luminosity Estimation of Resolved and Unresolved Galaxies”
79. Boquien, M. et al. 2009, *Astrophysical Journal*, 706, 553
“Star-Forming or Starbursting: The Ultraviolet Conundrum”
78. Lee, J. et al. 2009, *Astrophysical Journal*, 706, 599
“Comparison of H α and UV Star Formation Rates in the Local Volume: Systematic Discrepancies for Dwarf Galaxies”
77. Bertincourt, B.[†] et al. 2009, *Astrophysical Journal*, 705, 68
“A Spitzer Unbiased, Ultradeep Spectroscopic Survey”
76. Muñoz-Mateos, J.C.[†] et al. 2009, *Astrophysical Journal*, 703, 1672
“Radial Distribution of Stars, Gas, and Dust in SINGS Galaxies. I. Surface Photometry and Morphology”
75. Kennicutt, R. et al. 2009, *Astrophysical Journal*, 703, 1672
“Extinction-Corrected Star Formation Rates of Galaxies. I. Combinations of H α and Infrared Tracers”
74. Dale, D. et al. 2009, *Astrophysical Journal*, 703, 517
“The Spitzer Local Volume Legacy: Survey Description and Infrared Photometry”
73. Muñoz-Mateos, J.C.[†] et al. 2009, *Astrophysical Journal*, 701, 1965
“Radial Distribution of Stars, Gas, and Dust in SINGS Galaxies. II. Derived Dust Properties”
72. Dale, D. et al. 2009, *Astrophysical Journal*, 693, 1821
“The Spitzer Infrared Nearby Galaxies Survey: A High-Resolution Spectroscopy Anthology”
71. Bendo, G. et al. 2008, *Monthly Notices of the Royal Astronomical Society*, 389, 629
“The Relation Between 8, 24, and 160 μm Dust Emission Within Nearby Spiral Galaxies”
70. Brauher, J., Dale, D., & Helou, G. 2008, *Astrophysical Journal Supplements*, 178, 280
“A Compendium of Far-Infrared Line and Continuum Emission for 227 Galaxies Observed by the Infrared Space Observatory”
69. Dale, D., Barlow, R., Cohen, S., Johnson, L.C., Kattner, S., Lamanna, C., Moore, C.[†], Schuster, M.* , & J. Thatcher* 2008, *Astronomical Journal*, 135, 1412
“The Wyoming Survey for H α . I. Initial Results at $z \sim 0.16 \text{ and } 0.24$ ”
68. Brunner, G.[†], Sheth, K., Armus, L. et al. 2008, *Astrophysical Journal*, 675, 316
“Warm Molecular Gas in M51: Mapping the Excitation Temperature and Mass of H $_2$ with the Spitzer Infrared Spectrograph”

67. Thilker, D. et al. 2007, *Astrophysical Journal Supplement Series*, 173, 572
 “Ultraviolet and Infrared Diagnostics of Star Formation and Dust in NGC 7331”
66. Kennicutt, R. et al. 2007, *Astrophysical Journal*, 671, 333
 “Star Formation in NGC5194 (M51a). II. The Spatially-Resolved Star Formation Law”
65. Courteau, S., Dutton, A., van den Bosch, F., Dekel, A., MacArthur, L., McIntosh, D., Rix, H.-W., & Dale, D. 2007, *Astrophysical Journal*, 671, 203
 “Scaling Relations of Spiral Galaxies”
64. Smith, J.D., Armus, L., Dale, D. et al. 2007, *Publications of the Astronomical Society of the Pacific*, 119, 1133
 “Spectral Mapping Reconstruction of Extended Sources”
63. Roussel, H. et al. 2007, *Astrophysical Journal*, 669, 959
 “Warm Molecular Hydrogen in the Spitzer SINGS Galaxy Sample”
62. Prescott, M.[†] et al. 2007, *Astrophysical Journal*, 668, 182
 “The Incidence of Highly-Obscured Star-Forming Regions in SINGS Galaxies”
61. Bendo, G. et al. 2007, *Monthly Notices of the Royal Astronomical Society*, 380, 1313
 “Variations in the 24 μ m Morphologies Among Galaxies in SINGS: New Insights into the Hubble Sequence”
60. Holwerda, B. et al. 2007, *Astronomical Journal*, 134, 1655
 “Gaps in the Cloud Cover? Comparing Extinction Measures in Spiral Disks”
59. Calzetti, D. et al. 2007, *Astrophysical Journal*, 666, 870
 “The Calibration of Mid-Infrared Star Formation Rate Indicators”
58. Draine, B., Dale, D., Bendo, G. et al. 2007, *Astrophysical Journal*, 663, 866
 “Dust Masses, PAH Abundances, and Starlight Intensities in the SINGS Galaxy Sample”
57. Walter, F. et al. 2007, *Astrophysical Journal*, 661, 102
 “Dust and Atomic Gas in Dwarf Irregular Galaxies of the M 81 Group: The SINGS and THINGS View”
56. Smith, J.D., Draine, B., Dale, D. et al. 2007, 656, 770
 “The Mid-Infrared Spectrum of Star-Forming Galaxies: Global Properties of PAH Emission”
55. Dale, D., Gil de Paz, A., Gordon, K., Hanson, H.* et al. 2007, *Astrophysical Journal*, 655, 863
 “An Ultraviolet-to-Radio Broadband Spectral Atlas of Nearby Galaxies”
54. Cannon, J. et al. 2006, *Astrophysical Journal*, 652, 1170
 “The Nature of Infrared Emission in the Local Group Dwarf Galaxy NGC 6822 As Revealed by *Spitzer*”
53. Regan, M. et al. 2006, *Astrophysical Journal*, 652, 1112
 “The Radial Distribution of the ISM in Disk Galaxies: Evidence for Secular Evolution”
52. Bendo, G., Dale, D., Draine, B. et al. 2006, *Astrophysical Journal*, 652, 283
 “The Spectral Energy Distribution of Dust Emission in the Edge-On Spiral Galaxy NGC 4631 as Seen with Spitzer and JCMT”
51. Murphy, E.[†] et al. 2006, *Astrophysical Journal Letters*, 651, L111
 “The Effect of Star Formation Activity on the Far-Infrared-Radio Correlation Within Nearby Galaxies”
50. Pérez-González, P. et al. 2006, *Astrophysical Journal*, 648, 987
 “Ultraviolet through Far-Infrared Spatially Resolved Analysis of the Recent Star Formation in M 81 (NGC 3031)”
49. Roussel, H. et al. 2006, *Astrophysical Journal*, 646, 841
 “The Opaque Nascent Starburst in NGC 1377: Spitzer SINGS Observations”
48. Dale, D., Smith, J.D. et al. 2006, *Astrophysical Journal*, 646, 161
 “Mid-Infrared Spectral Diagnostics of Nuclear and Extra-Nuclear Regions in Nearby Galaxies”
47. Bendo, G., Buckalew, B., Dale, D., Draine, B. et al. 2006, *Astrophysical Journal*, 645, 134
 “Spitzer and JCMT Observations of the Active Galactic Nucleus in the Sombrero Galaxy (NGC 4594)”
46. Cannon, J., Smith, J.D., Walter, F., Bendo, G., Calzetti, D., Dale, D. et al. 2006, *Astrophysical Journal*, 647, 293
 “Warm Dust and Variable PAH Emission in the Dwarf Starburst Galaxy NGC 1705”

45. Engelbracht, C. et al. 2006, *Astrophysical Journal Letters*, 642, L127
“Extended Mid-Infrared Aromatic Feature Emission in M 82”
44. Cypriano, E.[†], Sodre, L., Campusano, L., **Dale, D.** & Hardy, E. 2006, *Astronomical Journal*, 131, 2417
“Shrinking of Cluster Ellipticals: A Tidal Stripping Explanation and Implications for the Intracluster Light”
43. Murphy, E.[†] et al. 2006, *Astrophysical Journal*, 638, 157
“An Initial Look at the Far-Infrared-Radio Correlation within Nearby Star-Forming Galaxies Using Spitzer”
42. Calzetti, D., Kennicutt, R., Bianchi, L., Thilker, D., **Dale, D.** et al. 2005, *Astrophysical Journal*, 633, 871
“Star Formation in NGC 5194 (M51a): The Panchromatic View from GALEX to Spitzer”
41. **Dale, D.**, Bendo, G., Engelbracht, C., Gordon, K., Regan, M. et al. 2005, *Astrophysical Journal*, 633, 857
“Infrared Spectral Energy Distributions of Nearby Galaxies”
40. Cannon, J., Walter, F., Bendo, G., Calzetti, D., **Dale, D.** et al. 2005, *Astrophysical Journal Letters*, 630, 37
“Spitzer Observations of the Supergiant Shell Region in IC 2574”
39. Engelbracht, C., Gordon, K., Rieke, G., Werner, M., **Dale, D.** & Latter, W. 2005, *Astrophysical Journal Letters*, 628, 29
“Metallicity Effects on Infrared Colors and the 8 μm PAH Emission in Galaxies”
38. **Dale, D.**, Sheth, K., Helou, G., Regan, M., & Hüttemeister, S. 2005, *Astronomical Journal*, 129, 2197
“Warm and Cold Molecular Gas in Galaxies”
37. Willner, S. et al. 2004, *Astrophysical Journal Supplements*, 154, 222
“IRAC Observations of M 81”
36. Gordon, K. et al. 2004, *Astrophysical Journal Supplements*, 154, 215
“Spatially-Resolved Ultraviolet, H α , Infrared, and Radio Star Formation in M 81”
35. Regan, M., Thornley, M., Bendo, G., Draine, B., Li, A., **Dale, D.** et al. 2004, *Astrophysical Journal Supplements*, 154, 204
“SINGS Imaging of NGC 7331: A Panchromatic View of a Ringed Galaxy”
34. Smith, J.D., **Dale, D.**, Armus, L., Draine, B., Hollenbach, D. et al. 2004, *Astrophysical Journal Supplements*, 154, 199
“Mid-Infrared IRS Spectroscopy of NGC 7331: A First Look at the SINGS Legacy”
33. **Dale, D.**, Helou, G., Brauher, J., Cutri, R., Malhotra, S. & Beichman, C. 2004, *Astrophysical Journal*, 604, 565
“[O I] 63 μm Emission from High and Low Luminosity AGN Galaxies”
32. **Dale, D.**, Roussel, H., Contursi, A., Helou, G., Dinerstein, H., Hunter, D., Hollenbach, D., Egami, E., K. Matthews, Murphy, T.[†], Lafon, C.[†], & Rubin, R. 2004, *Astrophysical Journal*, 601, 813
“Near-Infrared Integral Field Spectroscopy of Normal Star-Forming Galaxies”
31. Bloom, S., **Dale, D.**, Cool, R.*, Dupczak, K.*, Miller, C.[‡], Haugsjaa, A.*, Peters, C.*, Tornikoski, M., Wallace, P. & Pierce, M. 2004, *Astronomical Journal*, 128, 56
“An Optical Survey of the Position Error Contours of Unidentified High Energy Gamma-ray Sources at Galactic Latitude $|b| > 20^\circ$ ”
30. **Dale, D.** & Bailey, B. 2003, *The Physics Teacher*, 41, 82
“Physics in the Art Museum”
29. Kennicutt, R., Armus, L., Bendo, G., Calzetti, D., **Dale, D.**, Draine, B., Engelbracht, C., Gordon, K., Grauer, A., Helou, G., Hollenbach, D., Jarrett, T., Kewley, L., Leitherer, C., Li, A., Malhotra, S., Regan, M., Rieke, G., Rieke, M., Roussel, H., Smith, J.D., Thornley, M. & Walter, F. 2003, *Publications of the Astronomical Society of the Pacific*, 115, 928
“SINGS: the SIRTf Nearby Galaxies Survey”
28. **Dale, D.** & Uson, J. 2003, *Astronomical Journal*, 126, 675
“Signatures of Galaxy-Cluster Interactions: Tully-Fisher Observations at $z \sim 0.1$ ”
27. Chapman, S., Helou, G., G. Lewis & **Dale, D.** 2003, *Astrophysical Journal*, 588, 186
“The Bi-Variate Luminosity-Color Distribution of IRAS Galaxies, and Implications for the High Redshift Universe”

26. Lu, N., Helou, G., Werner, M., Dinerstein, H., **Dale, D.**, Silbermann, N., Malhotra, S., Beichman, C. & Jarrett, T. 2003, *Astrophysical Journal*, 588, 199
“Infrared Emission of Normal Galaxies from 2.5 to 12 μ m: Spectra, Near-Infrared Continuum and Mid-Infrared Emission Features”
25. **Dale, D.** & Helou, G. 2002, *Astrophysical Journal*, 159, 576
“The Infrared Spectral Energy Distribution of Normal Star-Forming Galaxies: Calibration at Far-Infrared and Submillimeter Wavelengths”
24. Chapman, S., Smail, I., Ivison, R., Helou, G., **Dale, D.** & Lagache, G. 2002, *Astrophysical Journal*, 573, 66
“Optically faint counterparts to the ISO-FIRBACK 170 μ m population: the discovery of cold, luminous galaxies at high redshift”
23. Contursi, A., Kaufman, M., Helou, G., Hollenbach, D., Braher, J., Stacey, G., **Dale, D.**, Malhotra, S., Rubio, M., Rubin, R. & Lord, S. 2002, *Astronomical Journal*, 124, 751
“ISO-LWS observations of the two nearby spiral galaxies: NGC 6946 and NGC 1313”
22. Malhotra, S., Kaufman, M., Hollenbach, D. et al. 2001, *Astrophysical Journal*, 561, 766
“Far-Infrared Spectroscopy of Normal Galaxies: Physical Conditions in the Interstellar Medium”
21. **Dale, D.**, Helou, G., Neugebauer, G., Soifer, B.T., Frayer, D. & Condon, J. 2001, *Astronomical Journal*, 122, 1736
“Multiwavelength Observations of the Low Metallicity Blue Compact Dwarf Galaxy SBS 0335-052”
20. **Dale, D.**, Giovanelli, R., Haynes, M., Hardy, E. & Campusano, L. 2001, *Astronomical Journal*, 121, 1886
“Signatures of Galaxy-Cluster Interactions: Spiral Galaxy Rotation Curve Asymmetry, Shape, and Extent”
19. Cypriano, E.[†], Sodre, L., Campusano, L., Kneib, J.P., Giovanelli, R., Haynes, M., **Dale, D.** & Hardy, E. 2001, *Astronomical Journal*, 121, 10
“Gravitational Lensing by Nearby Clusters of Galaxies”
18. Helou, G., Malhotra, S., Hollenbach, D., **Dale, D.** & Contursi, A. 2001, *Astrophysical Journal Letters*, 548, L73
“Evidence for the Heating of Atomic Interstellar Gas by Polycyclic Aromatic Hydrocarbons”
17. Hunter, D., Kaufman, M., Hollenbach, D., Rubin, R., Malhotra, S., **Dale, D.**, Braher, J., Silbermann, N., Helou, G., Contursi, A. & Lord, S. 2001, *Astrophysical Journal*, 553, 121
“The Interstellar Medium of Irregular Galaxies: The View with ISO”
16. **Dale, D.**, Helou, G., Contursi, A., Silbermann, N. & Kolhatkar, S. 2001, *Astrophysical Journal*, 549, 215
“The Infrared Spectral Energy Distribution of Normal Star-Forming Galaxies”
15. **Dale, D.** & Uson, J. 2000, *Astronomical Journal*, 120, 552
“Signatures of Interstellar-Intracluster Medium Interactions: Spiral Galaxy Rotation Curves in Abell 2029”
14. **Dale, D.**, Silbermann, N., Helou, G. et al. 2000, *Astronomical Journal*, 120, 583
“ISO Mid-Infrared Observations of Normal Star-Forming Galaxies: The Key Project Sample”
13. Malhotra, S., Hollenbach, D., Helou, G., Silbermann, N., Valjavec, E., **Dale, D.**, Hunter, D., Lu, N., Lord, S., Dinerstein, H. & Thronson, H. 2000, *Astrophysical Journal*, 543, 634
“Probing the Interstellar Medium in Early Type Galaxies with ISO Observations”
12. Egami, E., Neugebauer, G., Soifer, B.T., Mathews, K., Ressler, M., Becklin, E., Murphy, T.[†] & **Dale, D.** 2000, *Astrophysical Journal*, 535, 561
“APM 08279+5255: Keck Near & Mid-infrared High Resolution Imaging”
11. **Dale, D.**, Helou, G., Silbermann, N., Contursi, A., Malhotra, S. & Rubin, R. 1999, *Astronomical Journal*, 118, 2055
“Towards an Understanding of the Mid-Infrared Surface Brightness in Normal Galaxies”
10. **Dale, D.**, Giovanelli, R., Haynes, M., Campusano, L. & Hardy, E. 1999, *Astronomical Journal*, 118, 1468
“Seeking the Local Convergence Depth. V. Tully-Fisher Peculiar Velocities for 52 Abell Clusters”
9. **Dale, D.**, Giovanelli, R., Haynes, M., Hardy, E. & Campusano, L. 1999, *Astronomical Journal*, 118, 1489
“Seeking the Local Convergence Depth. IV. Tully-Fisher Observations of 35 Abell Clusters”
8. **Dale, D.**, Giovanelli, R., Haynes, M., Campusano, L. & Hardy, E. 1999, *Astrophysical Journal Letters*, 510, L11
“Seeking the Local Convergence Depth. The Abell Cluster Dipole Flow to 200 Mpc”

7. Giovanelli, R., **Dale, D.**, Haynes, M., Hardy, E. & Campusano, L. 1999, *Astrophysical Journal*, 525, 25
“No Hubble Bubble in the Local Universe”
6. **Dale, D.**[†], Giovanelli, R., Haynes, M., Scodreggio, M.[†], Hardy, E. & Campusano, L. 1998, *Astronomical Journal*, 115, 418
“Seeking the Local Convergence Depth. II. Tully-Fisher Observations of the Clusters A114, A119, A194, A2295, A2457, A2806, A3193, A3381 and A3744”
5. **Dale, D.**[†], Giovanelli, R., Haynes, M., Scodreggio, M.[†], Hardy, E. & Campusano, L. 1997, *Astronomical Journal*, 114, 455
“Seeking the Local Convergence Depth. I. Tully-Fisher Observations of the Clusters A168, A397, A569, A1139, A1228 and A1983”
4. Sydor, M., Engholm, J.* , **Dale, D.*** & Fergestad, T.* 1994, *Physical Review B*, 49, 11
“Surface and Bulk Modulation in Photoreflectance from Undoped GaAs”
3. Sydor, M., Badakhshan, A., **Dale, D.***, Alavi, K. & Pathak, R. 1993, *Applied Physics Letters*, 63, 4
“Differential Electroreflectance-Photoreflectance Technique for Studies of Built-in Electric Field in Layered Materials”
2. Badakhshan, A., Durbin, C., Glosser, R., Alavi, K., **Dale, D.***, Nicholas, S.[†] & Capuder, K. 1992, *SPIE*, 1678, 194
“Correlation Between Electric Field, Temperature and Carrier Concentration with Respect to Photoreflectance Lineshape at the E1 Transition of GaAs”
1. Sydor, M., Badakhshan, A., Engholm, J.* & **Dale, D.*** 1991, *Applied Physics Letters*, 58, 9
“Differential Photoreflectance from Modulation-Doped Heterojunctions”

Postdocs/Postbacs

2025-	Daniel Maschmann	2022 PhD	Paris Observatory
2024-2025	Gabrielle Graham	2024 B.S.	U. Wyoming
2016	Jordan Turner	2015 B.S.	U. Wyoming
2008-2010	Shawn Staudaher	2008 B.S.	R.I.T.
2008-2009	Dave Cook	2008 B.S.	U. Minnesota
2008	Micah Schuster	2007 B.S.	U. Wyoming
2007-2008	Cliff Johnson	2007 B.S.	Colby College
2007-2008	Seth Cohen	2007 B.S.	Wesleyan U.
2006-2007	Shianne Kattner	2006 B.S.	U. Wyoming
2005-2007	Rebecca Barlow	2005 B.A.	Mt. Holyoke College
2005	Brent Buckalew	2003 PhD	Rice University
2004-2005	Christine Lamanna	2004 B.A.	Haverford College

Graduate Students (committees chaired)

2029 Ph.D.	Taylor Juchau	2023 B.S.	Cal Poly Humboldt
2028 Ph.D.	Anthony Weinbeck	2004 B.S.	M.I.T.
2026 Ph.D.	Kiana Henny	2018 B.S.	Whitman College
2024 M.S.	Aldair Bonilla	2022 B.S.	Cal Poly Pomona
2022 M.S.	Jimmy Lilly	2020 B.S.	U. Arizona
2021 Ph.D.	Jordan Turner	2015 B.S.	U. Wyoming
2021 Ph.D.	Jessica Sutter	2015 B.S.	Whitman College
2019 M.S.	Emily Jensen	2016 B.S.	Boise St.
2018 M.S.T.	Stephanie Mapes	2016 B.S.	U. Hawaii
2017 M.S.	Derek Hand	2016 B.S.	U. Hawaii
2017 Ph.D.	Shawn Staudaher	2008 B.S.	R.I.T.
2015 Ph.D.	Dave Cook	2008 B.S.	U. Minnesota
2015 M.S.	Jyoti Pandey	2013 B.S.	U. Wyoming
2015 M.S.	Tika Neupane	2013 B.S.	Tribhuvan U.
2015 M.S.T.	Sean Smith	1999 B.A.	U. Wyoming
2015 M.S.T.	Barry Fuller		
2015 M.S.	Nasrin Sadeghzadeh	2009 B.S.	
2014 M.S.T.	Coty Tatge	2012 B.S.	Carthage College
2014 M.S.T.	Chris Garcia		
2014 M.S.T.	Michael Sibbersen	1993 B.S.	U. Nebraska-Kearney
2014 M.S.T.	Mark Reiser	2002 B.S.	U. Wisconsin-Stevens Point
2014 M.S.T.	Heather Malody	2007 B.A.	U. Wyoming
2014 M.S.T.	Joseph Gutierrez	1992 B.S.	Adamson U.
2013 M.S.	Dan Gershun	2011 B.S.	U. Hartford
2012 M.S.	Brian Scoggins	2010 B.S.	U. Wyoming
2011 M.S.T.	Trent Mankowski	2008 B.S.	U. Wyoming
2011 M.S.T.	Zohreh Souri	2009 B.S.	Alzahra U.
2010 Ph.D.	Carolynn Moore	2004 B.A.	Concordia College
2010 M.S.	Clint Law		
2005 M.S.	Travis Laurance	2003 B.S.	U. Tennessee

Undergraduate Research Assistants

- 2025-2026 Kaitlyn Schultz, Jasmin Peitz, Ryan McNees (UW)
- 2024-2025 Kaycee Conder, Kaitlyn Schultz, Anna Powell, Jasmin Peitz, Lauren Wade (UW), Raven Cilly (Michigan), Javier Fregoso (CS Channel Islands), Alexander Gleason (Oklahoma), Ella Morton (Reed), Grace Nelson (Michigan Tech), Mary Kate Petrykovets (SDSU), Dan Reshan (Case Western)
- 2023-2024 Kaycee Conder, Gabrielle Graham, Kaitlyn Schultz (UW), Sam Crowe (UVa), Elisabeth Brann (Bryn Mawr), Sumitra Dhileepkumar (Utah). Nicole Imming (Rice), Emilio Mendez (Cal Poly Pomona), Zachary Pleska (Lycoming), Kelsey Sako (Cal Poly Humboldt)
- 2022-2023 Gabrielle Graham, Alexander Larsen (UW), Sydney Andrews (Appalachian State), Dylan Hope, William Salazar (Cal Poly Pomona), Ryan McCrory (Rhodes), Julia Meredith (Juniata), Alexandra Rosenthal (UVa), Alexander Sterling (Notre Dame)
- 2021-2022 Mirielle Caradonna (North Texas), Justin Favro (Diablo Valley), Aidan Ferguson (UW), Isabela Gonzalez (Oklahoma Baptist), Lucas Hadding (Grinnell), Hannah Hagler (Whitman), Claire Rogers (Humboldt), Timothy Stack (Illinois Institute of Technology)
- 2020-2021 Corinne Komlodi, Brock Parker (UW), Theodore Bucci (Youngstown), Kaitlin Doublestein (NMU) Cade Freels (Humboldt), Sabrina Helck (Wooster), Samantha Wilkerson (Hamilton)
- 2019-2020 Alex Slane, Dalton Proud, Nathan Lane, Shayn Gilligan (UW)
- 2018-2019 Alex Slane, Chance Blankenship, Dalton Proud, Rebecca Ray (UW), Zack Carter (Trinity), Chelsea Adelman (Cal Poly Pomona), Anna Murphree (Rhodes), Micah Oeur (Cal State Long Beach), Thomas Roth, Kianna Olson (UW), Sam Schonsberg (Montana), Theodora Zastrocky (Regis)
- 2017-2018 Ryan Parziale, Alex Slane, Isaiah de la Torre, Nathan Small, Rebecca Sorber, Chase Smith (UW), Kirby Anderson (CSLongBeach), Louis Bran (CSChannelIslands), Isaiah Cox (East Tennessee St), Carrie Drake (Whitman), Jacob Pilawa (Colgate), Susana Soto (Cerritos College)
- 2016-2017 Ryan Parziale, Kaylee Schimpf, McKell Lyon (UW), Jackson Cole (MTSU), Cristilyn Cortez (CSSanBernadino), Bethany Garver (Seattle Pacific), Kyla Jarka (Colorado College), David PeQueen (Embry Riddle), Daniel Rivera (SDSU), Jack Small (Laramie High)
- 2015-2016 Jordan Turner, Ryan Parziale, Adam Kacmarsky (UW), Neil Bassett (Indiana), Sophie Deam (Iowa), Emily Griffith (Grinnell), William Harvey (Concordia), Brad Lyke (Long Beach), Evan Nunez (El Camino), Catherine Witherspoon (JMU)
- 2014-2015 Julian Andrews (CPP), Grace Olivier (Case Western), Rebecca Sorber (FRCC), Heather Wernke (ERAU), Stephan Munari, Jordan Turner (UW)
- 2013-2014 Gillian Beltz-Mohrmann (Wellesley), Arika Egan (NMU), Alan Hatlestad, Jareth Roberts (UW), Laura Herzog (MSM), Andrew Leung (Rutgers), Jacob McLane (NAU), Katie Lester (Lehigh),
- 2012-2013 Jamie Burke (Swarthmore), James Chapman (MCLA), Erica Keller (Mt. Holyoke), Emily Rolan (Vanderbilt), Eric Topel (St. Olaf), Christopher Phenicie (Minnesota)
- 2011-2012 Amy Miller, Jyoti Pandey, Brandon Lopez (UW), Caroline Roberts (Sewanee), Nicholas Erickson (College of New Jersey), Mara Johnson-Groh (Gustavus Adolphus), David Starceovich (Northwest College), Michelle Mason (Berkeley)
- 2010-2011 Jyoti Pandey (UW)
- 2009-2010 Jyoti Pandey (UW)
- 2008-2009 Jyoti Pandey, Sujan Khandal (UW)
- 2007-2008 Anna Fahlsing, Jake Thatcher (UW), Kimberly Aller (Berkeley), Everett Schlawin (Oberlin)
- 2006-2007 Megan Bagley, Emily May, Micah Schuster, Jake Thatcher (UW), Everett Schlawin (Oberlin)
- 2005-2006 Heather Hanson, Jake Thatcher, Marcus Herman (UW), Lisa Carpenter (Michigan)
- 2004-2005 Heather Hanson (UW), Erick Smith (Tennessee)
- 2003-2004 Kim Dupczak, Keisuke Fukutani (UW), Rebecca Harbison (Nebraska)
- 2002-2003 Richard Cool, Kim Dupczak (UW), Anna Haugsjaa (Montana)
- 2001-2002 Richard Cool, Sarah Stokes (UW), Magdalena Eftimova (De Paul)
- 2000-2001 Eric Murphy (Tufts)
- 1999-2000 Yuki Takahashi (Caltech)
- 1998-1999 Katie Whitman (Cornell)
- 1996-1997 William Schomaker (U. Georgia)
- 1995-1996 Stuart Norton (Wesleyan), Matthew Schwartz (Penn), Elise Furlan (Innsbruck)
- 1994-1995 Michael Dunnigan (Wisconsin)
- 1991-1992 Michael Johnson (Minnesota-Duluth)

Research Experience for Teachers

- 2006 Michelle Miller (Casper, WY)
- 2005 Chad Sharpe (Casper, WY)
- 2004 Charles Miller (Princeton, MN)
- 2002 Charles Miller (Princeton, MN)