

— BRENDAN PETER BOWLER —
Curriculum Vitae

CONTACT INFORMATION The University of Texas at Austin
Department of Astronomy
2515 Speedway C1400
Austin, TX 78712
bpbowler@astro.as.utexas.edu
+1 (512) 471-3423
ORCID: 0000-0003-2649-2288

EDUCATION Ph.D in Astronomy, Institute for Astronomy, University of Hawaii at Manoa, 2013
*Direct Imaging Search for Planets Around Low-Mass Stars
and Spectroscopic Characterization of Young Exoplanets*
Graduate Advisor: Michael Liu
M.S. in Astronomy, University of Hawai'i at Manoa, 2009
B.A. in Physics, Astrophysics, Tufts University, 2007

EMPLOYMENT **2015 – present** **The University of Texas at Austin**
Assistant Professor (2018–present)
Hubble Fellow (2016–2018)
McDonald Prize Postdoctoral Fellow (2015–2016)
2013 – 2015 **California Institute of Technology**
Caltech JCPA Prize Postdoctoral Fellow
2007 – 2013 **Institute for Astronomy, University of Hawaii at
Manoa**

RESEARCH INTERESTS Formation, demographics, and architectures of extrasolar planets; observations of exoplanet atmospheres; high-contrast adaptive optics imaging and spectroscopy; brown dwarf atmospheres and evolution.

AWARDS AND HONORS 2020 BoV Teaching Excellence Award, UT Austin
2016 Hubble Postdoctoral Fellowship, NASA and STScI
2015 McDonald Prize Postdoctoral Fellow, The University of Texas at Austin
2014 Robert J. Trumpler Award, Astronomical Society of the Pacific
For a PhD thesis in North America considered unusually important to Astronomy. (Annual)
2013 Joint Center for Planetary Astronomy Prize Postdoctoral Fellowship, Caltech
2013 URC Excellence in Research Award (Doctoral Level), University of Hawai'i
Research excellence, awarded once per year at UH Manoa.
2010 ARCS Columbia Communications Award in Astronomy, University of Hawai'i
Research excellence, awarded once per year for selected UH departments.
2009 Friends of the IfA M.S. Research Award, University of Hawai'i
Outstanding Master's-level research, awarded once per year per class.
2007 Class of 1911 Prize Scholarship, Tufts University
2006 Tufts Summer Scholars Program, Tufts University
2006 N. Hobbs Knight Prize Scholarship in Physics, Tufts University

GRANTS AWARDED 2020 NASA Exoplanet Research Program
Transforming Yields of Direct Imaging Planet Searches with Young Accelerating Stars (PI; \$569k)
2020 NASA WIYN Observing Support
Transforming Yields of Direct Imaging Planet Searches (PI; \$5k)
2020 NASA Keck Observing Support

Transforming Yields of Direct Imaging Planet Searches (PI; \$14.1k)
 2019 NSF Astronomy and Astrophysics Grant
The Formation of Giant Planets on Wide Orbits (PI; \$310k)
 2019 NASA Keck Observing Support
The Nature of Long-Period Companions to Accelerating Sun-Like Stars (PI; \$12k)
 2018 NASA Keck Observing Support
Uncovering the Formation of Giant Planets on Wide Orbits (PI; \$8k)
Imaging the Outer Companions of Mature Planetary Systems (PI; \$8k)
Atmospheric Properties of 2M2236+4751 b (PI; \$8k)
 2017 NASA Keck Observing Support
Uncovering the Formation of Giant Planets on Wide Orbits (PI; \$7.5k)
Imaging the Outer Companions of Mature Planetary Systems (PI; \$7.5k)
 Hubble Space Telescope, STScI
Rotation Periods and Cloud Dynamics of Imaged Exoplanets, Cycle 25 (PI; \$118k)
Imaging Accreting Protoplanets in the Young Cluster IC 348, Cycle 23 (Sci PI; \$66k)
 2016 Hubble Fellowship (Sci PI; \$330k)
The Origin and Evolution of Planets on Wide Orbits with High-Contrast Imaging
 2015 NASA-NSF Exoplanet Observational Research
New Targets for Direct Imaging Planet Searches (Sci PI; \$14k)

SCIENTIFIC
TALKS

Contributed review talk: Exoplanet Demographics, virtual meeting (11-9-2020)
 Contributed talk: Winter OWL Workshop, UH/IfA, Honolulu, HI (1-9-2020)
 Contributed talk: AAS 235, Honolulu, HI (1-6-2020)
 Invited colloquium: UCLA, Los Angeles, CA (11-20-2019)
 Invited colloquium: Texas A&M, College Station, TX (11-4-2019)
 Invited talk: Simons Alumni Symposium, New York City, NY (10-3-2019)
 Invited speaker: Extreme Solar Systems IV, Reykjavik, Iceland (8-19-2019)
 Invited speaker: 51 Pegasi b Science Summit, San Francisco, CA (7-11-2019)
 Contributed talk: Other Worlds Laboratory, Santa Cruz, CA, (7-3-2019)
 Invited discussion leader: 2019 Gordon Research Conference, South Hadley, MA, (6-27-2019)
 Invited colloquium: University of Toronto, Toronto, CA (4-10-2019)
 Invited colloquium: Princeton University, Princeton, NJ (3-12-2019)
 Invited talk: High-Contrast Imaging session, AAS 233, Seattle, WA (1-09-2019)
 Invited talk: Exoplanet Orbiting Hot Stars, Nashville, TN (7-20-2018)
 Contributed talk: Pop-Up Institute on Habitability, UT Austin, Austin, TX (7-11-2018)
 Invited seminar: Harvard CfA, Boston, MA (4-23-2018)
 Invited seminar: UT San Antonio, San Antonio, TX (4-13-2018)
 Invited colloquium: Notre Dame, South Bend, IN (4-10-2018)
 Invited colloquium: University of Hawaii at Manoa/IfA, Honolulu, HI (1-31-2018)
 Invited talk: Exoplanets and Planet Formation meeting, Shanghai, China (12-12-2017)
 Invited seminar: Rice University, Houston, TX (11-29-2017)
 Invited talk: 2017 Hubble Symposium, Baltimore, MD (3-13-2017)
 Invited colloquium: UC Irvine, Irvine, CA (2-28-2017)
 Invited colloquium: University of Texas at Austin, Austin, TX (2-16-2017)
 Invited colloquium: Cornell University, Ithaca, NY (2-14-2017)
 Invited seminar: Cornell University, Ithaca, NY (2-13-2017)
 Invited colloquium: McGill University, Montreal, Canada (2-8-2017)
 Invited colloquium: University of Minnesota, Minneapolis, MN (2-3-2017)
 Invited seminar: University of Victoria, Victoria, Canada (1-27-2017)
 Invited colloquium: University of Victoria, Victoria, Canada (1-26-2017)
 Contributed talk: 229th AAS meeting, Grapevine, TX (1-4-2017)
 Invited seminar: UT Austin Cosmos series, Austin, TX (4-13-2016)
 Invited colloquium: The Ohio State University, Columbus, OH (3-31-2016)
 Contributed talk: Extreme Solar Systems III, Kona, HI (12-3-2015)
 Invited seminar: University of Exeter, Exeter, UK (7-21-2015)
 Contributed talk: IAU Symposium 314, Atlanta, GA (5-14-2015)

Invited colloquium: Université de Montreal, Montréal, Canada (4-16-2015)
 Invited colloquium: Lowell Observatory, Flagstaff, AZ (1-15-2015)
 Contributed talk: 225th AAS meeting, Seattle, WA (1-6-2015)
 Invited review talk: Wide-field IR Surveys meeting, Pasadena, CA (11-17-2014)
 Contributed talk: Keck Science Meeting, Pasadena, CA (10-3-2014)
 Invited seminar: UC San Diego CASS series, La Jolla, CA (4-30-2014)
 Invited seminar: UC Irvine, Irvine, CA (4-22-2014)
 Invited colloquium: UC Berkeley, Berkeley, CA (4-10-2014)
 Invited seminar: UC Berkeley CIPS planetary series, Berkeley, CA (4-9-2014)
 Invited seminar: UT Austin planetary series, Austin, TX (3-6-2014)
 Invited seminar: Steward Observatory lunch seminar, Tucson, AZ (2-21-2014)
 Invited seminar: UCLA iPLEX series, Los Angeles, CA (11-22-2013)
 Invited seminar: Caltech Tea Talk, Pasadena, CA (11-04-2013)
 Contributed talk: IAU Symposium 299, Victoria, BC, Canada (6-03-2013)
 Invited seminar: UC Santa Cruz exoplanet series, Santa Cruz, CA (9-25-2012)
 Contributed talk: Keck Science Meeting, La Jolla, CA (9-21-2012)
 Contributed talk: The Origin of Stars and Planetary Sys., Hamilton, Canada (6-11-2012)
 Contributed talk: Swinburne Keck Science Workshop, Melbourne, Australia (3-27-2012)
 Contributed talk: Keck Science Meeting, CIT, Pasadena, CA (9-23-2011)
 Contributed talk: Cool Stars 16, Seattle, WA (8-30-2010)
 Contributed talk: Hawai'i Open Meeting on Exoplanets, Honolulu, HI (5-27-2010)

TEACHING

AST 381, “Planetary Astrophysics”, Graduate course, UT Austin
 Spring 2020 – 11 students, Instructor Rating: 5.0/5.0
AST 307, “Introductory Astronomy”, Undergraduate course for science majors, UT Austin
 Fall 2020 – 67 students, Instructor Rating: 4.9/5.0
 Fall 2019 – 51 students, Instructor Rating: 4.7/5.0
 Spring 2019 – 55 students, Instructor Rating: 4.7/5.0
 Fall 2018 – 65 students, Instructor Rating: 4.6/5.0

SELECT
OUTREACH

McDonald Observatory Board of Visitors lecture, UT Austin (2-29-2020)
 McDonald BoV Cosmic Ventures talk, Dallas, TX (11-13-2018)
 McDonald BoV Orion Festival talk, McDonald Observatory, TX (4-7-2018)
 SEES Summer High School Intern Program seminar, UT Austin CSR (7-20-2017)
 McDonald Observatory Board of Visitors lecture, UT Austin (2-25-2017)
 TAURUS REU mentor, UT Austin, summer 2016–2018
 TAURUS REU seminar on exoplanets, UT Austin, summer 2016
 Austin Astronomy on Tap talk, November 2016
 Featured in BBC Horizon’s “The Wildest Weather in the Universe” documentary, 2016
 EXES Teacher Associate Meeting inv. speaker, 4-23-2016, UT Austin, Austin, TX
 Orange County Astronomers inv. speaker, 4-10-2015, Chapman University, Orange, CA
 Maunakea Skies series talk, 5-19-2012, ‘Imiloa Center, Hilo, HI

SELECT
SERVICE

NExSS Steering Committee (2021–present)
 GMT Science Advisory Committee member (2020–present)
 NSF AAG external reviewer (2020)
 ALMA Science Assessor (Cycle 7, 8; 2019, 2021)
 Led Astro2020 decadal white paper on Imaging Planets with the ELTs
 US ELT Key Science Program subgroup co-leader (2019)
 Heising-Simons 51 Pegasi b Postdoctoral Review Panel (2018, 2019)
 GMT Science Book 2018 contributing author
 Organizer, Pop-Up Institute on Planetary Habitability, UT Austin, Austin (2018)
 Referee for Science, ApJ, AJ, ApJL, A&A, PASP, PASJ, Nature Communications
 SPIE “Adaptive Optics IV” meeting Program Committee (2018)
 UT Bashfest meeting LOC (2017)

HST Cycle 25 Panel Reviewer (2017)
UT Austin Dissertation committee (2016–2017; R. Martinez; S. Factor)
UT Austin Master’s committee (2016–2017; S. Factor, J. Luna, C. Phillips)
NASA Exoplanet Research Program (2015; external reviewer)
Caltech Planetary Discussion Group (PDG) co-organizer (2014–2015)
NASA Postdoctoral Program (2014, 2015; external reviewer)

POSTDOC AND
STUDENT
MENTORING

Current Postdocs

Yifan Zhou (2019–present; McDonald Prize Fellow)

Current Graduate Students

Quang Tran (2018–present; UT Austin)

Kyle Franson (2019–present; UT Austin)

Current Undergraduate Students

Bailey Ontiveros (UT Austin)

Rebeca Soto (Angelo State → ASU)

Aniket Sanghi (UT Austin)

Sarah Howes (UT Austin)

Former Group Members

Ya-Lin Wu (2018–2020; 51 Peg b Prize Fellow → Faculty at National Taiwan Normal Uni.)

Itzel Montoya (UT Austin)

Christina Negrete-Montero (UT Austin)

Katelyn Ashok (UT Austin)

Pranav Premnath (2019–2020)

Viyang Shah (2017–2019)

Aldo Sepulveda (2016–2020; UT San Antonio → GS at IfA/Hawaii)

Justin Yudichak (2018–2019; UT Austin → UT Applied Research Laboratories)

Caprice Phillips (2017–2019; UT Austin → GS at OSU)

Analís Lawrence (2018 TAURUS scholar; FIU → GS at UF)

Isaiah Tristan (2016 TAURUS scholar; Rice U. → GS at CU)

Refereed publications: 94 (23 first-authored; 71 co-authored)
Total citations (all papers): ~3400
Total citations (first author): ~1230
***h*-index (all papers): 35**
***h*-index (first author): 17**

First-authored publications:

23. “*The McDonald Accelerating Stars Survey (MASS): Discovery of a Long-period Substellar Companion Orbiting the Old Solar Analog HD 47127*”
Bowler, B. P., Endl, M., Cochran, W. D., MacQueen, P. J., Crepp, J., Doppmann, G. W., Dulz, S., Brandt, T. D., Brandt, M. G., Li, Y., Dupuy, T. J., Franson, K., Kratter, K. M., Morley, C. V., Zhou, Y., 2021, *ApJL*, 913, 26
22. “*The McDonald Accelerating Stars Survey (MASS): A White Dwarf Companion Accelerating the Sun-like Star 12 Psc*”
Bowler, B. P., Cochran, W. D., Endl, M., Franson, K., Brandt, T. D., Dupuy, T. J., MacQueen, P. J., Kratter, K. M., Mawet, D., Ruane, G., 2021, *AJ*, 161, 106
21. “*Strong Near-infrared Spectral Variability of the Young Cloudy L Dwarf Companion VHS J1256-1257 b*”
Bowler, B. P., Zhou, Y., Morley, C. V., Kataria, T., Bryan, M. L., Benneke, B., Batygin, K., 2020, *ApJ*, 893, 30
20. “*Population-Level Eccentricity Distributions of Imaged Exoplanets and Brown Dwarf Companions: Dynamical Evidence for Distinct Formation Channels*”
Bowler, B. P., Blunt, S. C., Nielsen, E. L., 2020, *AJ*, 159, 63
19. “*The Elusive Majority of Young Moving Groups: Young Binaries and Lithium-rich Stars in the Solar Neighborhood*”
Bowler, B. P., Hinkley, S., Ziegler, C., Baranec, C., Gizis, J., Law, N. M., Liu, M. C., Shah, Viyang S., Shkolnik, E. L., Riaz, B., Riddle, R., 2019, *ApJ*, 877, 60
18. “*Orbit and Dynamical Mass of the Late-T Dwarf GL 758 B*”
Bowler, B. P., Dupuy, T. J., Endl, M., Cochran, W. D., MacQueen, P. J., Fulton, B. J., Petigura, E. A., Howard, A. W., Hirsch, L., Kratter, K. M., Crepp, J. R., Biller, B. A., Johnson, M. C., Wittenmyer, R. A. 2018, *AJ*, 155, 159
17. “*The Young Substellar Companion ROXs 12 B: Near-infrared Spectrum, System Architecture, and Spin-Orbit Misalignment*”
Bowler, B. P., Kraus, A. L., Bryan, M. L., Knutson, H. A., Brogi, M., Rizzuto, A., Mace, G. N., Vanderburg, A., Liu, M. C., Hillenbrand, L. A., Cieza, L. A. 2017, *AJ*, 154, 165
16. “*Planets Around Low-Mass Stars (PALMS). VI. Discovery of a Remarkably Red Planetary-Mass Companion to the AB Dor Moving Group Candidate 2MASS J22362452+4751425*”
Bowler, B. P., Liu, M. C., Mawet, D., Ngo, H., Malo, L., Mace, G. N., McLane, J. N., Lu, J. R., Tristan, I. I., Hinkley, S., Hillenbrand, L. A., Shkolnik, E. L., Benneke, B., Best, W. M. J. 2017, *AJ*, 153, 18
15. “*Imaging Extrasolar Giant Planets*”
Bowler, B. P. 2016, *PASP*, 128, 102001 (Invited Review)
14. “*Near-Infrared Spectroscopy of 2M0441+2301 AabBab: A Quadruple System Spanning the Stellar to Planetary Mass Regimes*”
Bowler, B. P., Hillenbrand, L. A. 2015, *ApJL*, 811, 30
13. “*An ALMA Constraint on the GSC 6214-210 B Circum-substellar Accretion Disk Mass*”

- Bowler, B. P.**, Andrews, S. M., Kraus, A. L., Ireland, M. J., Herczeg, G., Ricci, L., Carpenter, J., Brown, M. E. 2015, ApJL, 805, 17
12. “*Planets Around Low-Mass Stars (PALMS). V. Age-Dating Low-Mass Companions to Members and Interlopers of Young Moving Groups*”
Bowler, B. P., Shkolnik, E. L., Liu, M. C., et al. [24 coauthors], 2015, ApJ, 806, 62
11. “*Planets Around Low-Mass Stars (PALMS). IV. The Outer Architecture of M Dwarf Planetary Systems*”
Bowler, B. P., Liu, M. C., Shkolnik, E. L., & Tamura, M., 2015, ApJS, 216, 7
10. “*Spectroscopic Confirmation of Young Planetary-Mass Companions on Wide Orbits*”
Bowler, B. P., Liu, M. C., Kraus, A. L., & Mann, A. W., 2014, ApJ, 784, 65
9. “*Planets Around Low-Mass Stars (PALMS). III. A Young Dusty L Dwarf Companion at the Deuterium-burning Limit*”
Bowler, B. P., Liu, M. C., Shkolnik, E. L., & Dupuy, T. J., 2013, ApJ, 774, 55
8. “*Planets Around Low-Mass Stars (PALMS). II. A Low-Mass Companion to the Young M Dwarf GJ 3629 Separated By 0.2”*”
Bowler, B. P., Liu, M. C., Shkolnik, E. L., & Tamura, M., 2012, ApJ, 756, 69
7. “*Planets Around Low-Mass Stars (PALMS). I. A Substellar Companion to the Young M Dwarf 1RXS J235133.3+312720*”
Bowler, B. P., Liu, M. C., Shkolnik, E. L., Dupuy, T. J., Cieza, L. A., Kraus, A. L., & Tamura, M., 2012, ApJ, 753, 142
6. “*A Disk Around the Planetary-Mass Companion GSC 06214-00210 b: Clues About the Formation of Gas Giants on Wide Orbits*”
Bowler, B. P., Liu, M. C., Kraus, A. L., Mann, A. W., Ireland, M. J., 2011, ApJ, 743, 148
5. “*Near-Infrared Spectroscopy of the Extrasolar Planet HR 8799 b*”
Bowler, B. P., Liu, M. C., Dupuy, T. J., & Cushing, M. C. 2010, ApJ, 721, 1725
4. “*SDSS J141624.08+134826.7: A Nearby Blue L Dwarf From the Sloan Digital Sky Survey*”
Bowler, B. P., Liu, M. C., & Dupuy, T. J. 2010, ApJ, 710, 45
3. “*Retired A Stars and Their Companions. III. Comparing the Mass-Period Distributions of Planets Around A-Type Stars and Sun-Like Stars*”
Bowler, B. P., Johnson, J. A., Marcy, G. W., Henry, G. W., Peek, K. M. G., Fischer, D. A., Clubb, K. I., Liu, M. C., Reffert, S., Schwab, C., & Lowe, T. B. 2010, ApJ, 709, 396
2. “*The Benchmark Ultracool Subdwarf HD 114762B: A Test of Low-Metallicity Atmospheric and Evolutionary Models*”
Bowler, B. P., Liu, M. C., & Cushing, M. C. 2009, ApJ, 706, 1114
1. “*An Infrared Census of Star Formation in the Horsehead Nebula*”
Bowler, B. P., Waller, W. H., Megeath, S. T., Patten, B. P., & Tamura, M. 2009, AJ 137, 3685

Co-authored publications:

71. “*Discovery of an Edge-on Circumstellar Debris Disk around BD+45° 598: A Newly Identified Member of the β Pictoris Moving Group*”
Hinkley, S., Matthews, E. C., Lefevre, C., et al. [28 total], 2021, ApJ, 912, 115

70. “*Hubble Space Telescope UV and H α Measurements of the Accretion Excess Emission from the Young Giant Planet PDS 70 b*”
Zhou, Y., **Bowler, B. P.**, Wagner, K. R., Schneider, G., Apai, D., Kraus, A. L., Close, L. M., Herczeg, G. J., Fang, M., 2021, AJ, 161, 244
69. “*A Transiting Warm Giant Planet around the Young Active Star TOI-201*”
Hobston, M. J., Brahm, R., Jordan, A., et al. [49 total], 2021, AJ, 161, 235
68. “*TOI-257b (HD 19916b): A Warm sub-Saturn Orbiting an Evolved F-type Star*”
Addison, B. C., Wright, D. J., Nicholson, B. A., et al. [94 total], 2021, MNRAS, 502, 3704
67. “*TESS Delivers Five New Hot Giant Planets Orbiting Bright Stars from the Full-frame Images*”
Rodriguez, J. E., Quinn, S. N., Zhou, G., et al. [118 total], 2020, AJ, 161, 194
66. “*The Epoch of Giant Planet Migration Planet Search Program. I. Near-Infrared Radial Velocity Jitter of Young Sun-like Stars*”
Tran, Q. H., **Bowler, B. P.**, Cochran, W. D., Endl, M., Stefansson, G., Mahadevan, S., Ninan, J. P., Bender, C. F., Halverson, S., Roy, A., Terrien, R. 2021, AJ, 161, 173
65. “*Chemical Compositions of Red Giant Stars from Habitable Zone Planet Finder Spectroscopy*”
Snedden, C., Afsar, M., Bozkurt, Z., et al. [18 total], 2021, AJ, 161, 128
64. “*As the Worlds Turn: Constraining Spin Evolution in the Planetary-Mass Regime*”
Bryan, M. L., Ginzburg, S., Chiang, E., Morley, C. V., **Bowler, B. P.**, Xuan, J. W., Knutson, H. A., 2020, ApJ, 905, 37
63. “*A Search for Polarized Thermal Emission from Directly Imaged Exoplanets and Brown Dwarf Companions to Nearby Stars*”
Jensen-Clem, R., Millar-Blanchaer, M. A., van Holstein, R. G., Mawet, D., Graham, J., Sengupta, S., Marley, M. S., Snik, F., Vigan, A., Hinkley, S., de Boer, J., Girard, J. H., De Rosa, R. J., **Bowler, B. P.**, Wiktorowicz, S. J., Perrin, M. D., Crepp, J. R., Macintosh, B., 2020, AJ, 160, 286
62. “*Early High-contrast Imaging Results with Keck/NIRC2-PWFS: The SR 21 Disk*”
Uyama, T., Ren, B., Mawet, D., et al. [26 total], 2020, AJ, 160, 286
61. “*TOI-481 b & TOI-892 b: Two long period hot Jupiters from the Transiting Exoplanet Survey Satellite*”
Brahm, R., Nielsen, L. D., Wittenmyer, R., et al. [78 total], 2020, AJ, 160, 235
60. “*A Dynamical Mass of $70 \pm 5 M_{\text{Jup}}$ for Gliese 229B, the First T Dwarf*”
Brandt, T. D., Dupuy, T. J., **Bowler, B. P.**, Bardalez Gagliuffi, D. C., Faherty, J., Brandt, M. G., Michalik, D., 2020, AJ, 160, 196
59. “*KELT-25 b and KELT-26 b: A Hot Jupiter and a Substellar Companion Transiting Young A Stars Observed by TESS*”
Martinez, R. R., Gaudi, B. S., Rodriguez, J. E., et al. [92 total], 2020, AJ, 160, 111
58. “*Spectral Variability of VHS J1256-1257b from 1 to 5 μm* ”
Zhou, Y., **Bowler, B. P.**, Morley, C. V., Apai, D., Kataria, T., Bryan, M. L., Benneke, B., 2020, AJ, 160, 77
57. “*A planet within the debris disk around the pre-main-sequence star AU Microscopii*”
Plavchan, P., Barclay, T., Gagne, J., et al. [87 total], Nature, 582, 497

56. “*2MASS J04435686+3723033 B: A Young Companion at the Substellar Boundary with Potential Membership in the β Pictoris Moving Group*”
Phillips, C. L., **Bowler, B. P.**, Mace, G., Liu, M. C., Sokal, K., 2020, ApJ, 896, 173
55. “*ACRONYM IV: Three New, Young, Low-mass Spectroscopic Binaries*”
Flagg, J. L., Shkolnik, E. L., Weinberger, A., **Bowler, B. P.**, Skiff, B., Kraus, A. L., Liu, M. C., 2020, ApJ, 896, 153
54. “*ALMA 0.88 mm Survey of Disks around Planetary-mass Companions*”
Wu, Y.-L., **Bowler, B. P.**, Sheehan, P. D., Andrews, S. M., Herczeg, G. J., Kraus, A. L., Ricci, L., Wilner, D. J., Zhu, Z., 2020, AJ, 159, 229
53. “*Obliquity Constraints on an Extrasolar Planetary-mass Companion*”
Bryan, M. L., Chiang, E., **Bowler, B. P.**, Morley, C. V., Millholland, S., Blunt, S., Ashok, K. B., Nielsen, E., Ngo, H., Mawet, D., Knutson, H. A., 2020, AJ, 159, 181
52. “*TOI-677b: A Warm Jupiter ($P = 11.2$ days) on an Eccentric Orbit Transiting a Late F-type Star*”
Jordan, A., Brahm, R., Espinoza, N., et al. [49 total] 2020, AJ, 159, 145
51. “*A Rotation Rate for the Planetary-mass Companion DH Tau b*”
Xuan, J. W., Bryan, M. L., Knutson, H. A., **Bowler, B. P.**, Morley, C. V., Benneke, B., 2020, AJ, 159, 97
50. “*Helios-r2: A New Bayesian, Open-source Retrieval Model for Brown Dwarfs and Exoplanet Atmospheres*”
Kitzmann, D., Heng, K., Oreshenko, M., Grimm, S. L., Apai, D., **Bowler, B. P.**, Burgasser, A. J., Marley, M. S. 2020, ApJ, 890, 174
49. “*Know thy star, know thy planet: Chemo-kinematically characterizing TESS targets*”
Carrillo, A., Hawkins, K., **Bowler, B. P.**, Cochran, W., Vanderburg, A. 2019, MNRAS, 491, 4365
48. “*Supervised Machine Learning for Intercomparison of Model Grids of Brown Dwarfs: Application to GJ 570D and the Epsilon Indi B Binary System*”
Oreshenko, M., Kitzmann, D., Marquez-Neila, P., Malik, M., **Bowler, B. P.**, Burgasser, A. J., Sznitman, R., Fisher, C. E., Heng, K., 2019, AJ, 159, 6
47. “*Minerva-Australis. I. Design, Commissioning, and First Photometric Results*”
Addison, Brett, Wright, D. J., Wittenmyer, R. A., et al. [39 total], 2019, PASP, 131, 115003
46. “*Precise Dynamical Masses of Directly Imaged Companions from Relative Astrometry, Radial Velocities, and Hipparcos-Gaia DR2 Accelerations*”
Brandt, T. D., Dupuy, T. J., **Bowler, B. P.** 2019, AJ, 158, 140
45. “*The Giant Herbig-Haro Flow HH 212 and Associated Star Formation*”
Reipurth, B., Davis, C. J., Bally, John, Raga, A. C., **Bowler, B. P.**, Geballe, T. R., Aspin, Colin, Chiang, Hsin-Fang 2019, AJ, 158, 107
44. “*TESS Spots a Compact System of Super-Earths around the Naked-Eye Star HR 858*”
Vanderburg, A., Huang, C. X., Rodriguez, J. E., et al. [43 total], 2019, ApJL, 881, 19
43. “*A Jovian planet in an eccentric 11.5 day orbit around HD 1397 discovered by TESS*”
Nielsen, L. D., Bouchy, F., Turner, O., et al. [52 total] 2019, A&A, 623, 100
42. “*Orbital Motion of the Wide Planetary-mass Companion GSC 6214-210 b: No Evidence for Dynamical Scattering*”

- Pearce, L. A., Kraus, A. L., Dupuy, T. J., Ireland, M. J., Rizzuto, A. C., **Bowler, B. P.**, Birchall, E. K., Wallace, A. L. 2019, AJ, 157, 71
41. “*A Model-independent Mass and Moderate Eccentricity for β Pic b*”
Dupuy, T. J., Brandt, T. D., Kratter, K. M., **Bowler, B. P.** 2019, ApJ, 871, 4
40. “*Deep Exploration of ϵ Eridani with Keck M_S -band Vortex Coronagraphy and Radial Velocities: Mass and Orbital Parameters of the Giant Exoplanet*”
Mawet, D., Hirsch, L., Lee, E. J., Ruffio, J.-B., Bottom, M., Fulton, B. J., Absil, O., Beichman, C., **Bowler, B. P.**, et al. [31 total], 2018, AJ, 157, 33
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