

Tara Fetherolf

UC Chancellor's Postdoctoral Fellow

University of California, Riverside
Earth & Planetary Sciences Department
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RESEARCH INTERESTS

Exoplanets & Variable Stars (17 Publications)

exoplanet characterization, exoplanet demographics, exoplanet atmospheres,
star-planet interactions, stellar variability, eclipsing binaries, starspots

Evolution of Galaxies (23 Publications)

high-redshift galaxies, star formation, dust and the interstellar medium, structural morphology

EDUCATION

University of California, Riverside (UCR)

Ph.D. in Physics, Advisor: Naveen Reddy
M.S. in Physics

Riverside, CA

2014–2020

San Diego State University (SDSU)

B.S. in Astronomy, Magna Cum Laude, Advisor: William F. Welsh

San Diego, CA

2011–2014

Palomar (Community) College

A.A. in Astronomy

San Marcos, CA

2006–2012

RESEARCH APPOINTMENTS

UC Chancellor's Postdoctoral Fellow

Postdoctoral Scholar

UC Riverside, Earth & Planetary Sciences Department, Supervisor: Stephen Kane

2021–Present

2020–2021

Graduate Student Researcher

UC Riverside, Earth & Planetary Sciences Department, Advisor: Stephen Kane

2018–2020

Graduate Student Researcher

UC Riverside, Physics & Astronomy Department, Ph.D. Advisor: Naveen Reddy

2015–2020

- Dissertation: *Evolution of $z \sim 2$ Galaxies on Resolved Scales Using CANDELS/3D-HST Imaging and Emission Line Spectroscopy From the MOSDEF Survey*

Undergraduate Student Researcher

SDSU, Astronomy Department, Advisors: William F. Welsh & Jerome A. Orosz

2011–2014

- Senior Thesis: *The Masses and Radii of the Eclipsing Binary Stars KIC 8736245*

Summer Undergraduate Student Researcher Fellow

California Institute of Technology, Geological & Planetary Sciences Department,
Advisors: Avi Shporer, Heather Knutson, & John A. Johnson

Summer 2013

- Project: *Examining Photometric Orbital Modulations in Kepler Transiting Planet Candidates*

NSF Research Experiences for Undergraduates Student

SDSU, Astronomy Department, Advisor: William F. Welsh

Summer 2010

- Project: *Investigating the Mass-Radius Relationship Discrepancy Project for Low-Mass Stars*

TEACHING & MENTORING

Training

FLEX Workshops at Chaffey (Community) College Advice for Advising Authentic Assessment Design & Development	2021
Improving You Teaching Workshop at the 235th AAS Meeting Teaching Techniques for Astronomers	2020
University Teaching Certificate Program at UC Riverside Teaching Pedagogy Training	2018
Teaching Workshops at UC Riverside Active Learning Approaches Challenges in the Classroom Effective Starts and Finishes to Classes Motivating Your Students Responding to Student Evaluations Student-Centered Teaching	2015–2020

Teaching

Adjunct Faculty at Chaffey (Community) College ASTRON 27: Life in the Universe (course development only) ASTRON 26: Stars & Galaxies (online)	2020–Present — 2 Semesters
Teaching Assistant at UC Riverside PHYS 20: Exploring the Universe PHYS 6: The Violent Universe PHYS 37: The Origins PHYS 2LC: General Physics Laboratory PHYS 40LA: General Physics Laboratory	2015–2018 2 Quarters 2 Quarters 2 Quarters 1 Quarter 1 Quarter
Tutor at Palomar College Tutoring Center All Math Courses All Physics Courses All Astronomy Courses	2011–2012

Mentoring

Summer Research Opportunity Mentor and Co-Facilitator at Chaffey (Community) College Kevin Hernandez (UC Berkeley Undergraduate Student) – Project: <i>The Transit Light Curve of the Kepler-13Ab Exoplanet from Kepler and TESS Data</i> Sarah Ginoccho (Chaffey College Undergraduate Student) – Project: <i>Morphology of Galaxies by Patchiness</i>	2020, 2021
Informal Co-Advising at UC Riverside Emilie Simpson (UC Riverside Graduate Student) Saeed Rezaee (UC Riverside Graduate Student)	2019–Present
Peer Mentor at UC Riverside Grad Success GradEdge/JumpStart Program Graduate Student Mentorship Program	2016–2018
Informal Undergraduate Research Trainer at SDSU Matthew Garrett (Unknown Position) Dean Dixon (USS Midway Museum)	2013–2014

HONORS & AWARDS

Research Funding

- UC President's Postdoctoral Fellowship Program—UCR Chancellor's Fellowship 2021–2022
- UCR Dissertation Year Program Fellowship (1 Quarter) 2019
- UCR Graduate Research Mentorship Program Fellowship (2 Quarters) 2017, 2018
- UCR Chancellor's Distinguished Fellowship 2014–2019
- NIH Initiative for Maximizing Student Development—Minority Biomedical Research Support Scholar 2013–2014

Honors

- UCR Phys. Org. for Womxn and the Under-Represented Excellence in Diversity and Inclusion Award 2020
- UCR Phys. & Astron. Dept. Anne Kernan Award for Outstanding Senior Graduate Student Researcher 2019
- AAS Chambliss Astronomy Achievement Student Award (Honorable Mention) 2019
- UCR Graduate Division Outstanding Teaching Award in the Phys. & Astron. Dept. 2017
- UCR Grad Slam Poster Finalist 2017
- Ford Foundation Predoctoral Fellowship (Honorable Mention) 2017
- UCR Phys. & Astron. Dept. Outstanding Teaching Assistant 2016
- SDSU Outstanding Graduate in Astronomy 2014
- NSF Graduate Research Fellowship Program (2 Honorable Mentions) 2014, 2015

Travel Awards

- AAS International Travel Grant (deferred due to COVID-19) 2020
- UCR Graduate Student Association \$600 Conference Travel Grant 2020
- UCR Earle C. Anthony \$1000 Travel Award 2019
- TESS Science Conference I \$528 Travel Support 2019
- Sagan Summer Workshop Travel Support 2019
- UCR Graduate Student Association \$700 Conference Travel Grant 2019
- IAU 352nd Symposium €400 Travel Grant (not accepted) 2019
- UCR Graduate Student Association \$400 Conference Travel Grant 2019
- UCR Graduate Student Association \$240 Conference Travel Grant 2016

Scholarships

- SDSU William F. Lucas San Diego Astronomy Association Memorial \$5000 Scholarship 2012–2014
- SDSU Reginald F. Buller Endowment \$1000 Scholarship 2012–2013
- Armed Forces Communications and Electronics Association—San Diego Chapter \$8000 Scholarship 2011–2013
- SDSU Awona W. Harrington Astronomy \$1000 Scholarship 2011
- American Women in Science—San Diego Chapter \$1000 Scholarship 2011
- Palomar College Sara Thompson Memorial \$500 Scholarship 2009
- Palomar College Douglas Barnhart \$500 Scholarship 2009

OUTREACH & SERVICE

Non-Host-Institution Service

TAC Member for APF at Lick Observatory (UC Observatories)	2 Semesters
Proposal Reviewer for NASA	—
Exoplanet Research Program	
FINESST Program	
TESS Guest Investigator Program	

Host-Institution Service

Panel Moderator for “Mental Health Awareness in Physics and Astronomy Panel” at UCR	2021
LOC Member for ExSoCal 2020 at UC Riverside	2020
Active Member of the Physics Organization for Womxn and the Under-Represented at UCR <i>Excellence in Diversity and Inclusion Award for 2019–2020</i>	2018–Present
Advocate for Department-wide Diversity, Equity, and Inclusion Workshop Series	
Coordinator for Student Meetings with New Faculty Candidates	
Coordinator for Student Meetings with Colloquium Speakers	
Panelist for several events	
“Women in STEM Virtual Panel” at Chaffey College	2020
“Challenges in Physics Education” at UCR Summer Physics Teacher Academy	2020
“Current PhD Student Panel” at Carnegie Observatories	2018
“Current PhD Student Panel” at San Diego State University	2016, 2019
Graduate Student Member of the Research Ethics Advisory Board at UC Riverside	2015–2017
President of the Schwartz Astronomical Society at SDSU	2012–2014
Active Member	2011–2014
Public Outreach Events	
Informal Peer Mentoring of Undergraduates in the Astronomy Department	

Public Outreach

Volunteer for Science Night at Patriot High School	2019
“Build Your Own Comet”	
Visiting Astronomer for K-12 Astronomy Workshops at Riverside County Public Schools	2017
Modified NASA Exercise: Survival on Mars	
Volunteer for K-12 Astronomy Workshops at Riverside County Public Schools	2016
Origami Stars	
Extraterrestrial Clothespins	
Solar Telescope Observations	
Volunteer for Public Stargazing at UC Riverside	2015–2019
“Cosmic Thursday” Lecture Series	
“Are We Alone?” Lecture Series	
Transit of Mercury	
Lunar Eclipses	
Comet Lovejoy	
Coordinator of Volunteers for the Science & Engineering Sampler at SDSU	2013–2014
Volunteer	2012–2014
Planetarium Shows	
Solar & Evening Telescope Viewing	
“Comets, Asteroids, and Meteorites, Oh My!”	
Crowd Management	

Partner Astronomer for Project ASTRO at San Marcos High School
 HR Diagram Activity
 Solar Telescope Viewing
 “Ask an Astronomer” Q&A Session

2012

Planetarium Show Host for Visiting K-12 Groups at SDSU

2011–2014

OBSERVING EXPERIENCE

Lick Observatory	2014
KAST, Double-Beam Spectrograph, Shane 3-meter Telescope	1 Night
CCD Camera, Direct Imaging, Nickel 1-meter Telescope	1 Night
W.M. Keck Observatory	2013, 2015
MOSFIRE, NIR Multi-Object Spectrograph, Keck I 10-meter Telescope	2 Nights
NIRC2, NIR Adaptive Optics Imaging, Keck II 10-meter Telescope	1 Night
Palomar Observatory	2013
PHARO, NIR Adaptive Optics Imaging, Hale 200-inch Telescope	2 Nights
Kitt Peak National Observatory	2013
ECHUV, Echelle Spectrograph, Mayall 4-meter Telescope	3 Nights
Mount Laguna Observatory	2010–2014
2005 Lorel CCD Camera, Time-series Photometry, 40-inch Telescope	~5 Nights
SBIG STL-1001E CCD Camera, Time-series Photometry, 24-inch Telescope (Certified Observer)	~75 Nights

PROFESSIONAL AFFILIATIONS & COLLABORATIONS

• TESS-Keck Survey (TKS) Team	2020–Present
• MOSFIRE Deep Evolution Field (MOSDEF) Survey Team	2015–Present
• American Astronomical Society (AAS) Member	2013–Present
• Kepler Eclipsing Binary Working Group	2011–2014

RESEARCH PRESENTATIONS

Invited Talks

Sinusoidal Stellar Variability Catalog of Stars Observed During the TESS Primary Mission

Fetherolf, T., Pepper, J., Simpson, E., Kane, S.R., & Močnik, T.

– IPAC Seminar, Caltech, Virtual

May 2021

Contributed Talks

The MOSDEF Survey: Probing Dust Distributions at $z \sim 2$ using a New Bayesian-defined Morphology Metric

Fetherolf, T., Reddy, N., & MOSDEF Collaboration

– 235th AAS Meeting, Honolulu, HI (**Dissertation Talk**)

January 2020

– Australia–ESO Joint Conference, Sydney, Australia

February 2019

Examining Photometric Orbital Modulations in Kepler Transiting Planet Candidates

Fetherolf, T., Shporer, A., Knutson, H., & Johnson, J.A.

– Student Research Symposium, SDSU, San Diego, CA (**Dean’s Award**)

March 2014

– Undergraduate Research Symposium, SDSU, San Diego, CA

December 2013

The Masses and Radii of the Eclipsing Binary Stars KIC 8736245

Fetherolf, T., Welsh, W.F., Orosz, J.A., & Windmiller, G.

- Southern California Conferences for Undergraduate Research, Whittier College, Whittier, CA November 2013
- Student Research Symposium, SDSU, San Diego, CA March 2013

Contributed Posters

Sinusoidal Stellar Variability Catalog of Stars Observed During the TESS Primary Mission

Fetherolf, T., Pepper, J., Simpson, E., Kane, S.R., & Močnik, T.

- TESS Science Conference II, MIT, Virtual August 2021

Exoplanet Characterization using Phase Variations Observed by TESS

Fetherolf, T., Kane, S.R., Huang, C.X., Shporer, A., & Wong, I.

- ExSoCal 2020, UC Riverside, Virtual September 2020
- Extreme Solar Systems IV, Reykjavík, Iceland August 2019
- TESS Science Conference I, MIT, Cambridge, MA July 2019
- Sagan Summer Workshop, Caltech, Pasadena, CA July 2019
- Extremely Big Eyes on the Early Universe, UCLA, Los Angeles, CA January 2019
- 233rd AAS Meeting, Seattle, WA (**Chambliss Award Honorable Mention**) January 2019

The MOSDEF Survey: Probing Dust Distributions at $z \sim 2$ using a New Bayesian-defined Morphology Metric

Fetherolf, T., Reddy, N., & MOSDEF Team

- Keck Science Meeting, UCLA, Los Angeles, CA September 2019

Stellar Properties of KIC 8736245: A Sub-synchronous Kepler Eclipsing Binary with a Solar-type Star Leaving the Main Sequence

Fetherolf, T., Welsh, W.F., Orosz, J.A., & Windmiller, G.

- Kepler & K2 Science Conference V, Glendale, CA March 2019

Stellar Population Maps of High-Redshift Galaxies

Fetherolf, T., Reddy, N., & MOSDEF Team

- 228th AAS Meeting, San Diego, CA June 2016

Examining Photometric Orbital Modulations in Kepler Transiting Planet Candidates

Fetherolf, T., Shporer, A., Knutson, H., & Johnson, J.A.

- 223rd AAS Meeting, Washington, D.C. January 2014

The Masses and Radii of the Eclipsing Binary Stars KIC 8736245

Fetherolf, T., Welsh, W.F., Orosz, J.A., & Windmiller, G.

- Kepler Science Conference II, NASA Ames Research Center, Mountain View, CA November 2013
- 221st AAS Meeting, Long Beach, CA January 2013
- Student Research Symposium, SDSU, San Diego, CA March 2012

Other Presentations

- Story Corner Talk, ExSoCal 2020, UC Riverside, Virtual (**Invited**) September 2020
- Grad Slam Competition Talk & Poster, UC Riverside, Riverside, CA (**Poster Finalist**) April 2017
- Summer Undergraduate Research Fellowship Program Summary Talk, Caltech, Pasadena, CA August 2013
- NSF Research Experiences for Undergraduates Program Summary Talk, SDSU, San Diego, CA August 2010

FIRST-AUTHOR REFEREED PUBLICATIONS

3. “*The MOSDEF Survey: The Dependence of $H\alpha$ -to-UV SFR Ratios on SFR and Size at $z \sim 2$* ”
Fetherolf, T., Reddy, N.A., Shapley, A.E., Kriek, M., Siana, B., Coil, A.L., Mobasher, B., Freeman, W.R., Sanders, R.L., Price, S.H., Shivaiei, I., Azadi, M., de Groot, L., Leung, G.C.K., & Zick, T.O. (accepted September 2021)
2. “*The MOSDEF Survey: An Improved Voronoi Binning Technique on Spatially Resolved Stellar Populations at $z \sim 2$* ”
Fetherolf, T., Reddy, N.A., Shapley, A.E., Kriek, M., Siana, B., Coil, A.L., Mobasher, B., Freeman, W.R., Sanders, R.L., Price, S.H., Shivaiei, I., Azadi, M., de Groot, L., Leung, G.C.K., & Zick, T.O. 2020, Monthly Notices of the Royal Astronomical Society, 498, 5009
1. “*Stellar Properties of KIC 8736245: An Eclipsing Binary with a Solar-type Star Leaving the Main Sequence*”
Fetherolf, T., Welsh, W.F., Orosz, J.A., Windmiller, G., Quinn, S.N., Short, D.R., Kane, S.R., & Wade, R.A. 2019, The Astronomical Journal, 158, 198

CO-AUTHORED REFEREED PUBLICATIONS

37. *HD207897 b: A dense sub-Neptune transiting a nearby and bright K-type star*
Heidari, N., Boisse, I., Orell-Miquel, J., Hébrard, G., Acuña, L., Hara, N.C., Lillo-Box, J., Eastman, J.D., Arnold, L., Astudillo-Defru, N., Adibekyan, V., Bieryla, A., Bonfils, X., Bouchy, F., Barclay, T., Brasseur, C.E., Borgniet, S., Bourrier, V., Buchhave, L., Behrard, A., Beard, C., Batalha, N.M., Courcol, B., Cortés-Zuleta, P., Collins, K., Carmona, A., Crossfield, I.J.M., Chontos, A., Delfosse, X., Dalal, S., Deleuil, M., Demangeon, O.D.S., Díaz, R.F., Dumusque, X., Daylan, T., Dragomir, D., Delgado Mena, E., Dressing, C., Dai, F., Dalba, P.A., Ehrenreich, D., Forveille, T., Fulton, B., **Fetherolf, T.**, Gaisné, G., Giacalone, S., Riazi, N., Hoyer, S., Hobson, M.J., Howard, A.W., Huber, D., Hill, M.L., Hirsch, L.A., Isaacson, H., Jenkins, J., Kane, S.R., Kiefer, F., Luque, R., Latham, D.W., Lubin, J., Lopez, T., Mousis, O., Moutou, C., Montagnier, G., Mignon, L., Mayo, A., Močnik, T., Murphy, J.M.A., Palle, E., Pepe, F., Petigura, E.A., Rey, J., Ricker, G., Robertson, P., Roy, A., Rubenzahl, R.A., Rosenthal, L.J., Santerne, A., Santos, N.C., Sousa, S.G., Stassun, S.G., Stalport, M., Scarsdale, N., Strøm, P.A., Seager, S., Segransan, D., Tenenbaum, P., Tronsgaard, R., Udry, S., Vanderspek, R., Vakili, F., Winn, J., & Weiss, L.M. (accepted September 2021)
36. “*TESS-Keck Survey V. Twin sub-Neptunes Transiting the Nearby G Star HD 63935*”
Scarsdale, N., Akana Murphy, J.M., Batalha, N.M., Crossfield, I.J.M., Dressing, C.D., Fulton, B., Howard, A.W., Huber, D., Isaacson, H., Kane, S.R., Petigura, E.A., Robertson, P., Roy, A., Weiss, L.M., Beard, C., Behrard, A., Chontos, A., Christiansen, J.L., Ciardi, D.R., Claytor, Z.R., Collins, K.A., Collins, K.I., Dai, F., Dalba, P.A., Dragomir, D., **Fetherolf, T.**, Fukui, A., Giacalone, S., Gonzales, E.J., Hill, M.L., Hirsch, L.A., Jensen, E.L.N., Kosiarek, M.R., de Leon, J.P., Lubin, J., Lund, M.B., Luque, R., Mayo, A.W., Močnik, T., Mori, M., Narita, N., Nowak, G., Pallé, E., Rabus, M., Rosenthal, L.J., Rubenzahl, R.A., Schlieder, J.E., Shporer, A., Stassun, K.G., Twicken, J., Wang, G., Yahalomi, D.A., Jenkins, J., Latham, D.W., Ricker, G.R., Seager, S., Vanderspek, R., & Winn, J.N. (accepted July 2021)
35. “*Visible-light Phase Curves from the Second Year of the TESS Primary Mission*”
Wong, I., Kitzmann, D., Shporer, A., Heng, K., **Fetherolf, T.**, Benneke, B., Daylan, T., Kane, S.R., Vanderspek, R., Seager, S., Winn, J.N., Jenkins, J.M., & Ting, E.B. 2021, The Astronomical Journal, 162, 127
34. “*Variation of the Nebular Dust Attenuation Curve with the Properties of Local Star-forming Galaxies*”
Rezaee, S., Reddy, N.A., Shivaiei, I., **Fetherolf, T.**, Emami, N., & Khostovan, A. 2021, Monthly Notices of the Royal Astronomical Society, 506, 3588
33. “*The MOSDEF Survey: The Mass-Metallicity relationship and the existence of the FMR at $z \sim 1.5$* ”
Topping, M.W., Shapley, A.E., Sanders, R.L., Kriek, M., Reddy, N.A., Coil, A.L., Mobasher, B., Siana, B., Freeman, W.R., Shivaiei, I., Azadi, M., Price, S.H., Leung, G.C.K., **Fetherolf, T.**, de Groot, L., Zick, T., Fornasini, F.M., Barro, G., & Runco, J.N. 2021, Monthly Notices of the Royal Astronomical Society, 506, 1237
32. “*TOI-2076 and TOI-1807: Two young, comoving planetary systems within 50 pc identified by TESS that are ideal candidates for further follow-up.*”

- Hedges, C., Hughes, A., Zhou, G., David, T.J., Becker, J., Giacalone, S., Vanderburg, A., Rodriguez, J.E., Bieryla, A., Wirth, C., Atherton, S., **Fetherolf, T.**, Collins, K.A., Price-Whelan, A.M., Bedell, M., Quinn, S.N., Gan, T., Ricker, G.R., Latham, D.W., Vanderspek, R.K., Seager, S., Winn, J.N., Jenkins, J.M., Kielkopf, J.F., Schwarz, R.P., Dressing, C.D., Gonzales, E.J., Crossfield, I.J.M., Matthews, E.C., Jensen, E.L.N., Furlan, E., Gnilka, C.L., Howell, S.B., Lester, K.V., Scott, N.J., Feliz, D.L., Lund, M.B., Stevens, D.J., Narita, N., Fukui, A., Murgas, F., Palle, E., Sutton, P.J., Stassun, K.G., Bouma, L.G., Vezie, M., Villaseñor, J.N., Quintana, E.V., & Smith, J.C. 2021, *The Astronomical Journal*, 162, 54
31. “*The MOSDEF Survey: The Evolution of the Mass-Metallicity Relation from $z = 0$ to $z = 3.3$* ”
Sanders, R.L., Shapley, A.E., Jones, Tucker, Reddy, N.A., Kriek, M., Siana, B., Coil, A.L., Mobasher, B., Shivaiei, I., Davé, R., Azadi, M., Price, S.H., Leung, G.C.K., Freeman, W.R., **Fetherolf, T.**, de Groot, L., Zick, T., & Barro, G. 2021, *The Astrophysical Journal*, 914, 19
 30. “*TESS Observations of the WASP-121b Phase Curve*”
Daylan, T., Günther, M.N., Mikal-Evans, T., Sing, D.K., Wong, I., Shporer, A., Niraula, P., de Wit, J., Koll, D.D.B., Parmentier, V., **Fetherolf, T.**, Kane, S.R., Ricker, G.R., Vanderspek, R., Seager, S., Winn, J.N., Jenkins, J.M., Caldwell, D.A., Charbonneau, D., Henze, C.E., Paegert, M., Rinehart, S., Rose, M., Sha, L., Quintana, E., & Villaseñor, J.N. 2021, *The Astronomical Journal*, 161, 131
 29. “*The MOSDEF Survey: A Comprehensive Analysis of the Rest-optical Emission-line Properties of $z \sim 2.3$ Star-forming Galaxies*”
Runco, J.N., Shapley, A.E., Sanders, R.L., Topping, M.W., Kriek, M., Reddy, N.A., Coil, A.L., Mobasher, B., Siana, B., Freeman, W.R., Shivaiei, I., Azadi, M., Price, S.H., Leung, G.C.K., **Fetherolf, T.**, de Groot, L., Zick, T., Fornasini, F.M., & Barro, G. 2021, *Monthly Notices of the Royal Astronomical Society*, 502, 2600
 28. “*The MOSDEF Survey: Environmental Dependence of the Gas-phase Metallicity of Galaxies at $1.4 \leq z \leq 2.6$* ”
Chartab, N., Mobasher, B., Shapley, A.E., Shivaiei, I., Sanders, R.L., Coil, A.L., Kriek, M., Reddy, N.A., Siana, B., Freeman, W.R., Azadi, M., Barro, G., **Fetherolf, T.**, Leung, G.C.K., Price, S.H., & Zick, T. 2021, *The Astrophysical Journal*, 908, 120
 27. “*Science Extraction from TESS Observations of Known Exoplanet Hosts*”
Kane, S.R., Bean, J., Campante, T., Dalba, P., **Fetherolf, T.**, Močnik, T., Ostberg, C., Pepper, J., Simpson, E., Turnbull, M., Ricker, G., Vanderspek, R., Latham, D., Seager, S., Winn, J., Jenkins, J., Huber, D., & Chaplin, W. 2021, *Publications of the Astronomical Society of the Pacific*, 133, 014402
 26. “*The MOSDEF Survey: Differences in SFR and Metallicity for Morphologically-Selected Mergers at $z \sim 2$* ”
Horstman, K., Shapley, A.E., Sanders, R.L., Mobasher, B., Reddy, N.A., Kriek, M., Coil, A.L., Siana, B., Shivaiei, I., Freeman, W.R., Azadi, M., Price, S.H., Leung, G.C.K., **Fetherolf, T.**, de Groot, L., Zick, T., Fornasini, F.M., & Barro, G. 2021, *Monthly Notices of the Royal Astronomical Society*, 501, 137
 25. “*The TESS Phase Curve of KELT-1b Suggests a High Dayside Albedo*”
Beatty, T.G., Wong, I., **Fetherolf, T.**, Line, M.R., Shporer, A., Stassun, K.G., Ricker, G.R., Seager, S., Winn, J.N., Jenkins, J.M., Louie, D.R., Schlieder, J.E., Sha, L., Tenenbaum, P., & Yahalomi, D.A. 2020, *The Astronomical Journal*, 160, 211
 24. “*The MOSDEF Survey: The First Direct Measurements of the Nebular Dust Attenuation Curve at High Redshift*”
Reddy, N.A., Shapley, A.E., Kriek, M., Steidel, C.C., Shivaiei, I., Sanders, R.L., Mobasher, B., Coil, A.L., Siana, B., Freeman, W.R., Azadi, M., **Fetherolf, T.**, Leung, G.C.K., Price, S.H., & Zick, T. 2020, *The Astrophysical Journal*, 902, 123
 23. “*The MOSDEF Survey: Neon as a Probe of ISM Physical Conditions at High Redshift*”
Jeong, M., Shapley, A.E., Sanders, R.L., Runco, J.N., Topping, M.W., Reddy, N.A., Kriek, M., Coil, A.L., Mobasher, B., Siana, B., Shivaiei, I., Freeman, W.R., Azadi, M., Price, S.H., Leung, G.C.K., **Fetherolf, T.**, de Groot, L., Zick, T., Fornasini, F.M., & Barro, G. 2020, *The Astrophysical Journal*, 902, 16
 22. “*Systematic Phase Curve Study of Known Transiting Systems from Year 1 of the TESS Mission*”
Wong, I., Shporer, A., Daylan, T., Benneke, B., **Fetherolf, T.**, Kane, S.R., Ricker, G.R., Vanderspek, R., Latham, D.W., Winn, J.N., Jenkins, J.M., Boyd, P.T., Glidden, A., Goeke, R.F., Sha, L., Ting, E.B., & Yahalomi, D. 2020, *The Astronomical Journal*, 160, 155

21. “*Transits of Known Planets Orbiting a Naked-Eye Star*”
Kane, S.R., Yalçinkaya, S., Osborn, H.P., Dalba, P.A., Nielsen, L.D., Vanderburg, A., Močnik, T., Hinkel, N.R., Ostberg, C., Esmer, E.M., Udry, S., **Fetherolf, T.**, Baştürk, O., Ricker, G.R., Vanderspek, R., Latham, D.W., Seager, S., Winn, J.N., Jenkins, J.M., Allart, R., Bailey, J., Bean, J.L., Bouchy, F., Butler, R.P., Campante, T.L., Carder, B.D., Daylan, T., Deleuil, M., Diaz, R.F., Dumusque, X., Ehrenreich, D., Horner, J., Howard, A.W., Isaacson, H., Jones, H.R.A., Kristiansen, M.H., Lovis, C., Marcy, G.W., Marmier, M., O’Toole, S.J., Pepe, F., Ragozzine, D., Ségransan, D., Tinney, C.G., Turnbull, M.C., Wittenmyer, R.A., Wright, D.J., & Wright, J.T. 2020, *The Astronomical Journal*, 160, 129
20. “*The MOSDEF Survey: The Variation of the Dust Attenuation Curve with Metallicity*”
Shivaei, I., Reddy, N.A., Rieke, G., Shapley, A.E., Kriek, M., Battisti, A., Mobasher, B., Sanders, R.L., **Fetherolf, T.**, Azadi, M., Coil, A.L., Freeman, W.R., de Groot, L., Leung, G.C.K., Price, S.H., Siana, B., & Zick, T. 2020, *The Astrophysical Journal*, 899, 117
19. “*Exploring the atmospheric dynamics of the extreme ultra-hot Jupiter KELT-9b using TESS photometry*”
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