Department of Astronomy The Ohio State University 4055 McPherson Laboratory 140 West 18<sup>th</sup> Ave. Columbus, OH 43210

 $johnson. 7240 @osu.edu \\ \texttt{captain-exoplanet.github.io}$ 

# Education

2016	Ph.D. The University of Texas at Austin, Astronomy
	Dissertation: Spin-Orbit Misalignments, Planet Candidate Validation, and Nodal Preces-
	sion via Doppler Tomography
	advisor: W. D. Cochran; committee: W. D. Cochran, M. Endl, E. L. Robinson, C. Sneden,
	A. Collier Cameron
2013	M.A., The University of Texas at Austin, Astronomy
	Thesis: Doppler Tomographic Observations of Exoplanetary Transits
	advisor: W. D. Cochran; committee: W. D. Cochran, S. Dodson-Robinson, M. Endl, E. L.
	Robinson, C. Sneden
2011	B.A., Wesleyan University, Astronomy and Physics
	With High Honors in Astronomy, Phi Beta Kappa
	Honors thesis: The Shadows of Distant Worlds: Exoplanetary Transit Timing Using the
	Perkin Telescope advisor: S. Redfield
	(Semester abroad, University of St. Andrews, Scotland, spring 2010)

# **Professional Experience**

2023-	Research Senior Associate, The Ohio State University
2021-2023	Postdoctoral Scholar, The Ohio State University
2019-2021	Staff Scientist, Las Cumbres Observatory
2019	Postdoctoral Researcher, The Ohio State University
2016-2019	Columbus Prize Postdoctoral Fellow, The Ohio State University
2012-2016	Graduate Research Assistant, University of Texas at Austin. Advisor: W. D. Cochran
2011-2012	Teaching Assistant, University of Texas at Austin.
2009	Research Experience for Undergraduates, MIT Haystack Observatory.
	Advisor: L. D. Matthews
2009-2011	Student Researcher, Astronomy Department, Wesleyan University.
	Advisors: S. Redfield, W. Herbst
2008	Research Experience for Undergraduates, Keck Northeast Astronomy Consortium, Vassar
	College. Advisor: A. A. Sheffield

# Fellowships, Scholarships, Grants, and Awards

2022 2024	E I I MACA MDD (MACELLA I)
2023-2026	Funded NASA XRP program (\$447k total)
2019	Funded NASA TESS GO2 program (\$49k total)
2017-2019	Four NASA Keck PI Data Awards (\$51.9k total)
2016-2019	Columbus Prize Postdoctoral Fellowship, Dept. of Astronomy, The Ohio State University
2016	Funded NASA K2 program (\$30k total)
2016	Rodger Doxsey Travel Prize, American Astronomical Society
2015	David Alan Benfield Memorial Fellowship in Astronomy, University of Texas at Austin
2013	Frank N. Edmonds, Jr. Memorial Fellowship in Astronomy, University of Texas at Austin
2012 - 2015	NASA Earth and Space Science Fellowship (\$30k/year for 3 years)
2011	Littell Prize, Wesleyan University
2011	Dean's List, Wesleyan University (spring semester)
2011	Chambliss Astronomy Achievement Student Award, American Astronomical Society
2010	Undergraduate Fellowship, NASA CT Space Grant Consortium (\$4.5k total)
2007-2011	Robert C. Byrd Honors Scholarship
2007-2011	Associated Universities, Inc. Trustees' Scholarship

#### **Invited Talks** 2024 University of Pittsburge Astronomy Seminar Talk 2019 Santa Barbara Astro Lunch Talk 2019 Keck Observatory Science Talk 2019 Las Cumbres Observatory Seminar Series 2017 Harvard-Smithsonian Center for Astrophysics Exoplanet Pizza Lunch talk The Ohio State University Department of Astronomy Colloquium 2016 Contributed Talks 2023 Open Problems in the Astrophysics of Gas Giants, Puerto Natales, Chile American Astronomical Society 241st Meeting, Seattle, WA 2023 Thinkshop 2022: High-Resolution Spectroscopy for Exoplanet Atmospheres and Biomark-2022 ers, Potsdam, Germany 2020 Exoplanets in Southern California (ExSoCal) 2020, Virtual Conference 2019 Extreme Solar Systems IV, Rejkjavik, Iceland American Astronomical Society 233<sup>rd</sup> Meeting, Seattle, WA 2019 Exoplanets Orbiting Hot Stars, Nashville, TN 2018 Exoplanets in the Era of Extremely Large Telescopes, Pacific Grove, CA 2016 American Astronomical Society 227<sup>th</sup> Meeting, Kissimmee, FL 2016 American Astronomical Society 225<sup>th</sup> Meeting, Seattle, WA 2015 Characterizing Planetary Systems Across the HR Diagram, Cambridge, England 2014 Students Supervised

2023-	Calder Lenhart, Ohio State University undergraduate
2022-2023	Sydney Petz, Ohio State University undergraduate

# Service, Diversity, & Management

2023	External Panelist, Hubble Space Telescope Proposal Review
2023	Reviewer at Ohio State Denman Undergraduate Research Forum
2022-	Distributed Reviewer, Las Cumbres Observatory TAC
2022	Co-Chair, SOC; Member, LOC, Great Lakes Exoplanet Area Meeting (GLEAM) 2022,
	Columbus, OH
2020-2023	Deputy PI for Spectroscopy, LCO Key Project on TESS Follow-Up
2020-2021	Co-Chair, Committee on Diversity & Inclusion, Las Cumbres Observatory
2020	Member, SOC, ExSoCal 2020 Virtual Conference
2019	Member, TAC for TOM Toolkit Workshop Call for Proposals
2019-2021	KESPRINT Collaboration Modeling Group Secretary
2019, 2023	Chambliss poster competition judge, American Astronomical Society meeting
2017-2018	Member, SOC, Exoplanets Orbiting Hot Stars Conference, Nashville, TN
2017	Certificate in Diversity and Implicit Bias Awareness, The Ohio State University
2016-	Referee for MNRAS, AJ, A&A, ApJL, PSJ, PASJ (15 papers total)
2016-2019	Organizer of weekly Ohio State exoplanet group meetings
2014 - 2015	Graduate Student Treasurer, Department of Astronomy, Univ. of Texas at Austin
2013-2014	Graduate Student Computer Liaison, Department of Astronomy, Univ. of Texas at Austin

# Teaching Experience

Spring 2012	University of Texas at Austin, AST 309L: Search for Extraterrestrial Life, with J. Scalo
Fall 2011	University of Texas at Austin, AST 309S: The Solar System, with S. Dodson-Robinson

#### Observational Experience

2018-2019	10 m Keck Telescope/NIRC2 or HIRES; 3 nights
2017-2023	2×8.4 m Large Binocular Telescope/LBC, MODS, PEPSI; 8 nights
2010-2023	2.7 m Harlan J. Smith Telescope/Robert G. Tull TS21, TS23, IGRINS Echelle Spectro-
	graphs, McDonald Observatory, University of Texas at Austin; 95 nights (85 as sole or senior observer)
2008-2011	24-in Perkin Telescope/CCD camera, Van Vleck Observatory, Wesleyan University: CCD photometry; chief student observer, 2009-2011; ~ 25 partial nights
2008	32-in telescope/Optomechanics 10C spectrograph, Class of 1951 Observatory, Vassar College; $\sim 10$ partial nights
2008	$40\mbox{-in telescope}/FOBOS$ spectrograph, Fan Mountain Observatory, U. Virginia; 5 nights

# Awarded Observing Time

$_{ m LBT}$	Awarded 164.3 hours as P.I.
Gemini	15 hours as P.I.
Keck	Awarded 4 nights as P.I. via NASA
McDonald	Awarded 15.5 nights as P.I. on 2.7 m
LCO	Awarded 383 hours as P.I.
TESS	368 targets as P.I.
Kepler/K2	1,418 targets as P.I., 803 targets as Science P.I.
SALT	Awarded 83,310 seconds as P.I.

#### **Outreach Experience**

2019	Volunteer at Astronomy on Tap Santa Barbara, Santa Barbara, CA
2019	Talk at Friends of Ohio State Astronomy & Astrophysics Spring Event
2017-2018	Presenter at the Ohio State University Arne Slettebak Planetarium
2014-2016	Volunteer and speaker at Astronomy on Tap ATX, Austin, TX
2015-2016	Volunteer for McDonald Observatory's Ask an Astronomer service
2013, 2016	Volunteer at exhibit of JWST at South by Southwest (SXSW) Festival
2013-2016	Public talks for attendees at McDonald Observatory Special Viewing Nights
2012	Volunteer at University of Texas at Austin/Department of Astronomy viewing of the Transit
	of Venus
2011	Volunteer at McDonald Observatory booth at the Texas Science & Engineering Festival
2009-2010	Gave portable planetarium shows at elementary schools in Middletown, CT
2007-2011	Ran public observing nights on 16" telescope, Van Vleck Observatory, Wesleyan University

# **Professional Organizations**

American Astronomical Society (full member since 2017; junior member, 2010-2017) Division for Planetary Sciences, American Astronomical Society (full member since 2017; junior member, 2014-2017)

#### Refereed Publications

First-Author Papers

- 1. Johnson, M. C., Wang, J., Pai Asnodkar, A., Bonomo, A. S., et al. The PEPSI Exoplanet Transit Survey (PETS). II. A Deep Search for Thermal Inversion Agents in KELT-20 b/MASCARA-2 b with Emission and Transmission Spectroscopy 2023, AJ, 165, 157
- 2. Johnson, M. C., David, T. J., Petigura, E. A., Isaacson, H. T., et al. An Aligned Orbit for the Young Planet V1298 Tau b 2022, AJ, 163, 247
- 3. Johnson, M. C., Dai, F., Justesen, A. B., Gandolfi, D., et al. K2-260 b: a Hot Jupiter Transiting an

- F Star, and K2-261 b: a Warm Saturn around a Bright G Star 2018, MNRAS, 481, 596
- 4. Johnson, M. C., Rodriguez, J. E., Zhou, G., Gonzales, E. J., et al. KELT-21b: A Hot Jupiter Transiting the Rapidly Rotating Metal-Poor Late-A Primary of a Likely Hierarchical Triple System 2018, AJ, 155, 100
- 5. **Johnson, M. C.**, Cochran, W. D., Addison, B. C., Tinney, C. G., & Wright, D. J. Spin-Orbit Misalignments of Three Jovian Planets via Doppler Tomography 2017, AJ, 154, 137
- Johnson, M. C., Gandolfi, D., Fridlund, M., Csizmadia, Sz., et al. Two Hot Jupiters from K2 Campaign 4 2016, AJ, 151, 171
- Johnson, M. C., Endl, M., Cochran, W. D., Meschiari, S., et al. A 12-Year Activity Cycle for the Nearby Planet Host Star HD 219134 2016, ApJ, 821, 74
- 8. **Johnson, M. C.**, Cochran, W. D., Collier Cameron, A., & Bayliss, D. Measurement of the Nodal Precession of WASP-33 b via Doppler Tomography 2015, ApJL, 810, 23
- 9. **Johnson, M. C.**, Redfield, S., & Jensen, A. G. *The Interstellar Medium in the* Kepler *Search Volume* 2015, ApJ, 807, 162
- 10. **Johnson, M. C.**, Cochran, W. D., Albrecht, S., Dodson-Robinson, S. E., Winn, J. N., & Gullikson, K. A Misaligned Prograde Orbit for Kepler-13 Ab via Doppler Tomography 2014, ApJ, 790, 30

Students' Papers (Students Highlighted)

11. **Petz, S.**, **Johnson, M. C.**, Pai Asnodkar, A., Wang, J., et al. *The PEPSI Exoplanet Transit Survey (PETS) IV: Assessing the Atmospheric Chemistry of KELT-20b* 2023, MNRAS, in press (arXiv:2310.09352)

#### Other Papers

- 12. Hord, B. J., Kempton, E. M.-R., Mikal-Evans, T., Latham, D. W., et al. (M. C. Johnson 67<sup>th</sup> of 117 authors) *Identification of the Top TESS Objects of Interest for Atmospheric Characterization of Transiting Exoplanets with JWST* 2023, AAS Journals, submitted (arXiv:2308.09617)
- 13. Page, E., Pepper, J., Wright, D., Rodriguez, J. E., et al. (M. C. Johnson 13<sup>th</sup> of 21 authors) *TOI-1994b: A Low Mass Eccentric Brown Dwarf Transiting A Subgiant Star* 2023, AAS Journals, submitted (arXiv:2305.08836)
- 14. Lin, Z., Gan, T., Wang, S. X., Shporer, A., et al. (M. C. Johnson 24<sup>th</sup> of 44 authors) *Three Low-Mass Companions around Aged Stars Discovered by TESS* 2023, MNRAS, 523, 616
- 15. Blunt, S., Carvalho, A., David, T. J., Beichman, C., et al. (M. C. Johnson 21<sup>st</sup> of 26 authors) Overfitting Affects the Reliability of Radial Velocity Mass Estimates for the V1298 Tau Planets 2023, AJ, 166, 62
- 16. Scandariato, G., Borsa, F., Bonomo, A. S., Gaudi, B. S., et al. (M. C. Johnson 7<sup>th</sup> of 22 authors) The PEPSI Exoplanet Transit Survey. III. The First Detection of Fe I, Cr I and Ti I in the Atmosphere of MASCARA-1 b through High-Resolution Emission Spectroscopy 2023, A&A, 674, 58
- 17. El Mufti, M., Plavchan, P. P., Isaacson, H., Cale, B. L., et al. (M. C. Johnson 74<sup>th</sup> of 96 authors) TOI 560: Two Transiting Planets Orbiting a K Dwarf Validated with iSHELL, PFS, and HIRES RVs 2023, AJ, 165, 10
- 18. McCully, C., Daily, M., Brandt, G. M., **Johnson, M. C.**, Bowman, M., & Harbeck, D.-R. *Automatic Spectroscopic Data Reduction using BANZAI* 2022, Proc. SPIE, 12189, 1218914

19. Volgenau, N., Harbeck, D., Lindstrom, W., Collom, D., Street, R., & **Johnson, M.** Calibration-TOM: Managing Calibration Observations for a Global Network of Telescopes 2022, Proc. SPIE, 12186, 121860W

- Stephan, A. P., Wang, J., Cauley, P. W., Gaudi, B. S., et al. (M. C. Johnson 6<sup>th</sup> of 7 authors) Nodal Precession and Tidal Evolution of Two Hot-Jupiters: WASP-33 b and KELT-9 b 2022, AJ, 931, 111
- 21. Watanabe, N., Narita, N., Palle, E., Fukui, A., et al. (M. C. Johnson 9<sup>th</sup> of 17 authors) Nodal Precession of WASP-33b for Eleven Years by Doppler Tomographic and Transit Photometric Observations 2022, MNRAS, 512, 440
- 22. Hatzes, A. P., Gandolfi, D., Korth, J., Rodler, F., et al. (M. C. Johnson  $23^{\rm rd}$  of 37 authors) A Radial Velocity Study of the Planetary System of  $\pi$  Mensae: Improved Planet Parameters for  $\pi$  Mensae c and a Third Planet on a 125-d Orbit 2022, AJ, 163, 223
- 23. Christian, S., Vanderburg, A., Becker, J., Yahalomi, D. A., et al. (M. C. Johnson 63<sup>rd</sup> of 115 authors) A Possible Alignment Between the Orbits of Planetary Systems and their Visual Binary Companions 2022, AJ, 163, 207
- 24. Mann, A. W., Wood, M. L., Schmidt, S. P., Barber, M. G., et al. (M. C. Johnson 36<sup>th</sup> of 51 authors) TESS Hunt for Young and Maturing Exoplanets (THYME) VI: An 11 Myr Giant Planet Transiting a Very Low-Mass Star in Lower Centaurus Crux 2022, AJ, 163, 156
- 25. Wittenmyer, R. A., Clark, J. T., Trifonov, T., Addison, B. C., et al. (M. C. Johnson 18<sup>th</sup> of 44 authors) *TOI-1842b: A Transiting Warm Saturn Undergoing Re-Inflation around an Evolving Subgiant* 2022, AJ, 163, 82
- 26. Lam, K. W. F., Csizmadia, Sz., Astudillo-Defru, N., Bonfils, X., et al. (M. C. Johnson 50<sup>th</sup> of 78 authors) *GJ 367 b: A Dense, Ultrashort-Period Sub-Earth Planet Transiting a Nearby Red Dwarf Star* 2021, Science, 374, 1271
- 27. Addison, B. C., Knudstrup, E., Wong, I., Hébrard, G., et al. (M. C. Johnson 35<sup>th</sup> of 73 authors) TOI-1431 b/MASCARA-5 b: A Highly Irradiated Ultra-Hot Jupiter Orbiting One of the Hottest & Brightest Known Exoplanet Host Stars 2021, AJ, 162, 292
- 28. Feinstein, A. D., Montet, B. T., **Johnson, M. C.**, Bean, J. L., et al. *Hα and Ca* II *Infrared Triplet Variations during a Transit of the 23 Myr Planet V1298 Tau c* 2021, AJ, 162, 213
- 29. Narita, N., Fukui, A., Yamamuro, T., Harbeck, D., et al. (M. Johnson 35<sup>th</sup> of 36 authors) MuSCAT3: a 4-Color Simultaneous Camera for the 2m Faulkes Telescope North 2020, Proc. SPIE, 11447, 114475K
- 30. Stevens, D. J., Zhou, G., **Johnson, M. C.**, Rizzuto, A. C., et al. An Extreme-Mass Ratio, Short-Period Eclipsing Binary Consisting of a B Dwarf Primary and a Pre-Main Sequence M Star Companion Discovered by KELT 2020, MNRAS, 499, 3775
- 31. Mann, A. W., **Johnson, M. C.**, Vanderburg, A., Kraus, A. L., et al. TESS *Hunt for Young and Maturing Exoplanets (THYME) III: A Two-Planet System in the 400 Myr Ursa Major Group* 2020, AJ, 160, 179
- 32. Rodríguez Martínez, R., Gaudi, B. S., Rodriguez, J. E., Zhou, G., et al. (M. C. Johnson 19<sup>th</sup> of 92 authors) KELT-25b & KELT-26b: A Hot Jupiter and a Substellar Companion Transiting Young A-Stars Observed by TESS 2020, AJ, 160, 111
- 33. Nowak, G., Palle, E., Gandolfi, D., Deeg, H. J., et al. (M. C. Johnson 12<sup>th</sup> of 60 authors) K2-280 b A Low Density Warm Sub-Saturn around a Mildly Evolved Star 2020, MNRAS, 497, 4423
- 34. Ahlers, J. P., **Johnson, M. C.**, Stassun, K. G., Colón, K. D., et al. *KELT-9 b's Asymmetric TESS Transit Caused by Rapid Stellar Rotation and Spin-Orbit Misalignment* 2020, AJ, 160, 4

35. Šubjak, J., Sharma, R., Carmichael, T. W., **Johnson, M. C.**, et al. *TOI-503: The First Known Brown Dwarf-Am Star Binary from the TESS Mission* 2020, AJ, 159, 151

- 36. Watanabe, N., Narita, N., & **Johnson, M. C.** Doppler Tomographic Measurement of the Nodal Precession of WASP-33b 2020, PASJ, 72, 19
- 37. Díaz, M. R., Jenkins, J. S., Gandolfi, D., Lopez, E. D., et al. (M. C. Johnson 19<sup>th</sup> of 48 authors) TOI-132 b: A Short-Period Planet in the Neptune Desert Transiting a V=11.3 G-Type Star 2020, MNRAS, 493, 973
- 38. Thao, P. C., Mann, A. W., **Johnson, M. C.**, Newton, E. R., et al. Zodiacal Exoplanets in Time (ZEIT) IX: A Flat Transmission Spectrum and a Highly Eccentric Orbit for the Young Neptune K2-25b as Revealed by Spitzer 2020, AJ, 159, 32
- 39. Rodriguez, J. E., Eastman, J. D., Zhou, G., Quinn, S. N., et al. (M. C. Johnson 7<sup>th</sup> of 78 authors) KELT-24b: A  $5M_J$  Planet on a 5.6 Day Well-Aligned Orbit around the Young V = 8.3 F-Star HD 93148 2019, AJ, 158, 197
- 40. Blunt, S., Endl, M., Weiss, L. M., Cochran, W. D., et al. (M. C. Johnson 8<sup>th</sup> of 27 authors) Radial Velocity Discovery of an Eccentric Jovian World Orbiting at 18 AU 2019, AJ, 158, 181
- 41. Dholakia, S., Dholakia, S., Cody, A. M., Howell, S. B., et al. (M. C. Johnson 5<sup>th</sup> of 10 authors) A Substellar Companion to a Hot Star in K2's Campaign 0 M35 Field 2019, PASP, 131, 114402
- 42. Zhou, G., Huang, C. X., Bakos, G. Á, Hartman, J. D., et al. (M. C. Johnson 26<sup>th</sup> of 65 authors) Two New HATNet Hot Jupiters around A Stars, and the First Glimpse of the Occurrence Rate of Hot Jupiters from TESS 2019, AJ, 158, 141
- 43. Persson, C. M., Csizmadia, S., Mustill, A. J., Fridlund, M., et al. (M. C. Johnson 19<sup>th</sup> of 56 authors) Greening of the Brown Dwarf Desert: EPIC 212036875b: a 51 M<sub>J</sub> Object in a 5 Day Orbit around an F7V Star 2019, A&A, A&A, 628, 64
- 44. Johns, D., Reed, P. A., Rodriguez, J. E., Pepper, J., et al. (M. C. Johnson 40<sup>th</sup> of 57 authors) KELT-23b: A Hot Jupiter Transiting a Near-Solar Twin Close to the TESS and JWST Continuous Viewing Zones 2019, AJ, 158, 78
- 45. Newton, E. R., Mann, A. W., Tofflemire, B. M., Pearce, L., et al. (M. C. Johnson 11<sup>th</sup> of 50 authors) TESS Hunt for Young and Maturing Exoplanets (THYME) I: A Planet in the 40 Myr Tucana-Horologium Association 2019, ApJL, 880, 17
- 46. Labadie-Bartz, J., Rodriguez, J. E., Stassun, K. G., Ciardi, D. R., et al. (M. C. Johnson 6<sup>th</sup> of 56 authors) *KELT-22Ab: A Massive, Short-Period Hot Jupiter Transiting a Near-Solar Twin* 2019, ApJS, 240, 13
- 47. Collins, K. A., Collins, K. I., Pepper, J., Labadie-Bartz, J., et al. (M. C. Johnson 12<sup>th</sup> of 111 authors)

  The KELT Follow-Up Network and Transit False Positive Catalog: Pre-Vetted False Positives for TESS
  2018, AJ, 156, 234
- 48. Addison, B. C., Wang, S., **Johnson, M. C.**, Tinney, C. G., Wright, D. J., & Bayliss, D. Stellar Obliquities & Planetary Alignments (SOPA) I. Spin-Orbit Measurements of Three Transiting Hot Jupiters: WASP-72b, WASP-100b, & WASP-109b 2018, AJ, 156, 197
- 49. Strassmeier, K. G., Ilyin, I., Weber, M., Järvinen, A., et al. (M. C. Johnson 11<sup>th</sup> of 13 authors) Want a PEPSI? Performance Status of the Recently Commissioned High-Resolution Spectrograph and Polarimeter for the 2×8.4m Large Binocular Telescope 2018, Proc. SPIE, 10702, 1070212
- 50. Eigmüller, Ph., Csizmadia, Sz., Endl, M., Gandolfi, D., et al. (M. C. Johnson 10<sup>th</sup> of 14 authors) A Transiting M-Dwarf Showing Beaming Effect in the Field of Ruprecht 147 2018, MNRAS, 480, 3864

51. Furlan, E., Ciardi, D. R., Cochran, W. D., Everett, M. E., et al. (M. C. Johnson 20<sup>th</sup> of 25 authors) The Kepler Follow-Up Observation Program. II. Stellar Parameters from Medium- and High-Resolution Spectroscopy 2018, ApJ, 861, 149

- 52. Bowler, B. P., Dupuy, T. J., Endl, M., Cochran, W. D., et al. (M. C. Johnson 13<sup>th</sup> of 14 authors) Orbit and Dynamical Mass of the Late-T Dwarf GJ 758 B 2018, AJ, 155, 159
- 53. Barragán, O., Gandolfi, D., Dai, F., Livingston, J., et al. (M. C. Johnson  $30^{\rm th}$  of 36 authors) K2-141 b: A 5- $M_{\oplus}$  Super-Earth Transiting a K7V Star Every 6.7 Hours 2018, A&A, 612, 95
- 54. Zhou, G., Rappaport, S., Nelson, L., Huang, C. X., et al. (M. C. Johnson 14<sup>th</sup> of 31 authors) Occultations from an Active Accretion Disk in a 72-Day Detached Post-Algol System Detected by K2 2018, ApJ, 854, 109
- 55. Siverd, R. J., Collins, K. A., Zhou, G., Gaudi, B. S., et al. (M. C. Johnson 6<sup>th</sup> of 47 authors) KELT-19Ab: A P~4.6 Day Hot Jupiter Transiting a Likely Am Star with a Distant Stellar Companion 2018, AJ, 155, 35
- 56. Dai, F., Winn, J. N., Gandolfi, D., Wang, S. X., et al. (M. C. Johnson 15<sup>th</sup> of 54 authors) *The Discovery and Mass Measurement of a New Ultra-Short-Period Planet: K2-131b* 2017, AJ, 154, 226
- 57. Lund, M. B., Rodriguez, J. E., Zhou, G., Gaudi, B. S., et al. (M. C. Johnson 6<sup>th</sup> of 49 authors) KELT-20b: A Giant Planet with a Period of  $P \sim 3.5$  Days Transiting the  $V \sim 7.6$  Early A Star HD 185603 2017, AJ, 154, 194
- 58. Gandolfi, D., Barragán, O., Hatzes, A. P., Fridlund, M., et al. (M. C. Johnson 7<sup>th</sup> of 44 authors) The Transiting Multi-Planet System HD 3167: A 5  $M_{\oplus}$  Super-Earth and a 9  $M_{\oplus}$  Mini-Neptune 2017, AJ, 154, 123
- 59. Gaudi, B. S., Stassun, K. G., Collins, K. A., Beatty, T. G., et al. (M. C. Johnson 15<sup>th</sup> of 60 authors) A Giant Planet Undergoing Extreme-Ultraviolet Irradiation by Its Hot Massive-Star Host 2017, Nature, 546, 514
- Mann, A. W., Dupuy, T., Muirhead, P. S., Johnson, M. C., et al. The Gold Standard: Accurate Stellar and Planetary Parameters for Eight Kepler M Dwarf Systems Enabled by Parallaxes 2017, AJ, 153, 267
- 61. Smith, A. M. S., Gandolfi, D., Barragán, O., Bowler, B., et al. (M. C. Johnson 22<sup>nd</sup> of 33 authors) K2-99: A Subgiant Hosting a Transiting Warm Jupiter in an Eccentric Orbit and a Long-Period Companion 2017, MNRAS, 464, 2708
- 62. Mann, A. W., Newton, E. R., Rizzuto, A. C., Irwin, J., et al. (M. C. Johnson 15<sup>th</sup> of 17 authors) Zodiacal Exoplanets in Time (ZEIT) III: A Short-Period Planet Orbiting a Pre-Main-Sequence Star in the Upper Scorpius OB Association 2016, AJ, 152, 61
- 63. Mann, A. W., Gaidos, E., Mace, G. N., **Johnson, M. C.**, et al. Zodiacal Exoplanets In Time (ZEIT) I: A Neptune-Sized Planet Orbiting an M4.5 Dwarf in the Hyades Star Cluster 2016, ApJ, 818, 46
- 64. Endl, M., Brugamyer, E. J., Cochran, W. D., MacQueen, P. J., et al. (M. C. Johnson 10<sup>th</sup> of 19 authors) Two New Long-Period Giant Planets from the McDonald Observatory Planet Search and Two Stars with Long-Period Radial Velocity Signals Related to Stellar Activity Cycles 2016, ApJ, 818, 34
- 65. Matthews, L. D., Le Bertre, T., Gérard, E., & **Johnson, M. C.** An H I Imaging Survey of Asymptotic Giant Branch Stars 2013, AJ, 145, 97
- 66. Stark, C. C., Boss, A. P., Weinberger, A. J., Jackson, B. K., et al. (M. C. Johnson 7<sup>th</sup> of 13 authors) A Search for Exozodiacal Clouds with Kepler 2013, ApJ, 764, 195

67. Sheffield, A. A., Majewski, S. R., Johnston, K. V., Cunha, K., et al. (M. C. Johnson 10<sup>th</sup> of 13 authors) *Identifying Contributions to the Stellar Halo from Accreted, Kicked-out, and In Situ Populations* 2012, ApJ, 761, 161

68. Matthews, L. D., Libert, Y., Gérard, E., Le Bertre, T., **Johnson, M. C.**, & Dame, T. M. H. I. Observations of the Asymptotic Giant Branch Star X Herculis: Discovery of an Extended Circumstellar Wake Superposed on a Compact High-Velocity Cloud 2011, AJ, 141, 60

## Other Publications

White Papers, Etc.

- 1. **Johnson, M. C.**, Zhou, G., Addison, B. C., Ciardi, D. R., et al. *Tracing the Origins and Evolution of Small Planets using Their Orbital Obliquities* 2019, Astro2020 Science White Paper, BAAS, 51, 258
- 2. Ciardi, D. R., Bean, J., Burt, J., Dragomir, D., et al. (M. C. Johnson 6<sup>th</sup> of 12 authors) Toward Finding Earth 2.0: Masses and Orbits of Small Planets with Extreme Radial Velocity Precision 2019, Astro2020 Science White Paper, BAAS, 51, 322
- 3. Dragomir, D., Kempton, E., Bean, J., Crossfield, I., et al. (M. C. Johnson a co-signer) Characterizing the Atmospheres of Irradiated Exoplanets at High Spectral Resolution 2019, Astro2020 Science White Paper, BAAS, 51, 422
- 4. Zhou, G., **Johnson, M. C.**, Vanderburg, A., & Gaidos, E. Orbital Obliquities of Small Planets as a Key to Understanding Planet Formation and Migration 2019, Exemplar Key Science Program submitted to the US Extremely Large Telescope Program

## Conference Proceedings and Research Notes

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