

Department of Astronomy
 The Ohio State University
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Education

- 2016 **Ph.D.**, The University of Texas at Austin, Astronomy
 Dissertation: *Spin-Orbit Misalignments, Planet Candidate Validation, and Nodal Precession 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

- 2021- 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

- 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, Department of Astronomy, University of Texas at Austin
- 2013 Frank N. Edmonds, Jr. Memorial Fellowship in Astronomy, Department of 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

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
2016	The Ohio State University Department of Astronomy Colloquium

Contributed Talks

2020	Exoplanets in Southern California (ExSoCal) 2020, Virtual Conference
2019	Extreme Solar Systems IV, Reykjavik, Iceland
2018	Exoplanets Orbiting Hot Stars, Nashville, TN
2016	Exoplanets in the Era of Extremely Large Telescopes, Pacific Grove, CA
2016	American Astronomical Society 227th Meeting, Kissimmee, FL
2015	American Astronomical Society 225th Meeting, Seattle, WA
2014	Characterizing Planetary Systems Across the HR Diagram, Cambridge, England

Service, Diversity, & Management

2020-	Deputy PI for Spectroscopy, LCO Key Project on TESS Follow-Up
2020-2021	Co-Chair, Committee on Diversity & Inclusion, Las Cumbres Observatory
2020	Member, Scientific Organizing Committee, ExSoCal 2020 Virtual Conference, September 2020
2019	Member, Telescope Allocation Committee for TOM Toolkit Workshop Call for Proposals
2019-2021	KESPRINT Collaboration Modeling Group Secretary
2019	Chambliss poster competition judge, American Astronomical Society meeting
2017-2018	Member, Scientific Organizing Committee, Exoplanets Orbiting Hot Stars Conference, Nashville, TN, June 2018
2017	Certificate in Diversity and Implicit Bias Awareness, The Ohio State University
2016-	Referee for MNRAS, AJ, A&A, ApJL, PSJ, PASJ (13 papers total)
2016-2019	Organizer of weekly Ohio State exoplanet group meetings
2014-2015	Graduate Student Treasurer, Department of Astronomy, University of Texas at Austin
2013-2014	Graduate Student Computer Liaison, Department of Astronomy, University of Texas at Austin

Teaching Experience

Teaching Assistantships

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	2×8.4 m Large Binocular Telescope/Large Binocular Camera imager; 3 nights
2010-2018	2.7 m Harlan J. Smith Telescope/Robert G. Tull TS21, TS23, IGRINS Echelle Spectrographs, McDonald Observatory, University of Texas at Austin; 90 nights (80.5 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; ~ 10 partial nights
2008	40-in telescope/ <i>FOBOS</i> spectrograph, Fan Mountain Observatory, U. Virginia; 5 nights

Awarded Observing Time

LBT	Awarded 119 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.
<i>TESS</i>	368 targets as P.I.
<i>Kepler</i> /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 <i>Ask an Astronomer</i> 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-LBT Exoplanet Transit Survey (PETS). II. A Deep Search for Thermal Inversion Agents in KELT-20 b/MASCARA-2 b with Emission and Transmission Spectroscopy* 2022, AJ, submitted (arXiv:2205.12162)
 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
 6. **Johnson, M. C.**, Gandolfi, D., Fridlund, M., Csizmadia, Sz., et al. *Two Hot Jupiters from K2 Campaign 4* 2016, AJ, 151, 171
 7. **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
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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

Other Papers

11. El Mufti, M., Plavchan, P. P., Isaacson, H., Cale, B. L., et al. (**M. C. Johnson** 74th of 96 authors) *TOI 560: Two Transiting Planets Orbiting a K Dwarf Validated with iSHELL, PFS, and HIRES RVs* 2021, AJ, submitted (arXiv:2112.13448)
12. Stephan, A. P., Wang, J., Cauley, P. W., Gaudi, B. S., et al. (**M. C. Johnson** 6th of 7 authors) *Nodal Precession and Tidal Evolution of Two Hot-Jupiters: WASP-33 b and KELT-9 b* 2022, AJ, 931, 111
13. Watanabe, N., Narita, N., Palle, E., Fukui, A., et al. (**M. C. Johnson** 9th of 17 authors) *Nodal Precession of WASP-33b for Eleven Years by Doppler Tomographic and Transit Photometric Observations* 2022, MNRAS, 512, 440
14. Hatzes, A. P., Gandolfi, D., Korth, J., Rodler, F., et al. (**M. C. Johnson** 23rd of 37 authors) *A Radial Velocity Study of the Planetary System of π Mensae: Improved Planet Parameters for π Mensae c and a Third Planet on a 125-d Orbit* 2022, AJ, 163, 223
15. Christian, S., Vanderburg, A., Becker, J., Yahalomi, D. A., et al. (**M. C. Johnson** 63rd of 115 authors) *A Possible Alignment Between the Orbits of Planetary Systems and their Visual Binary Companions* 2022, AJ, 163, 207
16. Mann, A. W., Wood, M. L., Schmidt, S. P., Barber, M. G., et al. (**M. C. Johnson** 36th 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
17. Wittenmyer, R. A., Clark, J. T., Trifonov, T., Addison, B. C., et al. (**M. C. Johnson** 18th of 44 authors) *TOI-1842b: A Transiting Warm Saturn Undergoing Re-Inflation around an Evolving Subgiant* 2022, AJ, 163, 82
18. Lam, K. W. F., Csizmadia, Sz., Astudillo-Defru, N., Bonfils, X., et al. (**M. C. Johnson** 50th of 78 authors) *GJ 367 b: A Dense, Ultrashort-Period Sub-Earth Planet Transiting a Nearby Red Dwarf Star* 2021, Science, 374, 1271
19. Addison, B. C., Knudstrup, E., Wong, I., Hébrard, G., et al. (**M. C. Johnson** 35th 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
20. Feinstein, A. D., Montet, B. T., **Johnson, M. C.**, Bean, J. L., et al. *H α and Ca II Infrared Triplet Variations during a Transit of the 23 Myr Planet V1298 Tau c* 2021, AJ, 162, 213
21. Narita, N., Fukui, A., Yamamuro, T., Harbeck, D., et al. (**M. Johnson** 35th of 36 authors) *MuSCAT3: a 4-Color Simultaneous Camera for the 2m Faulkes Telescope North* 2020, Proc. SPIE, 11447, 114475K
22. 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
23. 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

24. Rodríguez Martínez, R., Gaudi, B. S., Rodríguez, J. E., Zhou, G., et al. (**M. C. Johnson** 19th 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
25. Nowak, G., Palle, E., Gandolfi, D., Deeg, H. J., et al. (**M. C. Johnson** 12th of 60 authors) *K2-280 b - A Low Density Warm Sub-Saturn around a Mildly Evolved Star* 2020, MNRAS, 497, 4423
26. 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
27. 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
28. Watanabe, N., Narita, N., & **Johnson, M. C.** *Doppler Tomographic Measurement of the Nodal Precession of WASP-33b* 2020, PASJ, 72, 19
29. Díaz, M. R., Jenkins, J. S., Gandolfi, D., Lopez, E. D., et al. (**M. C. Johnson** 19th 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
30. 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
31. Rodríguez, J. E., Eastman, J. D., Zhou, G., Quinn, S. N., et al. (**M. C. Johnson** 7th 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
32. Blunt, S., Endl, M., Weiss, L. M., Cochran, W. D., et al. (**M. C. Johnson** 8th of 27 authors) *Radial Velocity Discovery of an Eccentric Jovian World Orbiting at 18 AU* 2019, AJ, 158, 181
33. Dholakia, S., Dholakia, S., Cody, A. M., Howell, S. B., et al. (**M. C. Johnson** 5th of 10 authors) *A Substellar Companion to a Hot Star in K2's Campaign 0 M35 Field* 2019, PASP, 131, 114402
34. Zhou, G., Huang, C. X., Bakos, G. Á, Hartman, J. D., et al. (**M. C. Johnson** 26th 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
35. Persson, C. M., Csizmadia, S., Mustill, A. J., Fridlund, M., et al. (**M. C. Johnson** 19th of 56 authors) *Greening of the Brown Dwarf Desert: EPIC 212036875b: a 51 M_J Object in a 5 Day Orbit around an F7V Star* 2019, A&A, A&A, 628, 64
36. Johns, D., Reed, P. A., Rodríguez, J. E., Pepper, J., et al. (**M. C. Johnson** 40th 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
37. Newton, E. R., Mann, A. W., Tofflemire, B. M., Pearce, L., et al. (**M. C. Johnson** 11th 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
38. Labadie-Bartz, J., Rodríguez, J. E., Stassun, K. G., Ciardi, D. R., et al. (**M. C. Johnson** 6th of 56 authors) *KELT-22Ab: A Massive, Short-Period Hot Jupiter Transiting a Near-Solar Twin* 2019, ApJS, 240, 13
39. Collins, K. A., Collins, K. I., Pepper, J., Labadie-Bartz, J., et al. (**M. C. Johnson** 12th of 111 authors) *The KELT Follow-Up Network and Transit False Positive Catalog: Pre-Vetted False Positives for TESS* 2018, AJ, 156, 234

40. 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
41. Strassmeier, K. G., Ilyin, I., Weber, M., Järvinen, A., et al. (**M. C. Johnson** 11th 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
42. Eigmüller, Ph., Csizmadia, Sz., Endl, M., Gandolfi, D., et al. (**M. C. Johnson** 10th of 14 authors) *A Transiting M-Dwarf Showing Beaming Effect in the Field of Ruprecht 147* 2018, MNRAS, 480, 3864
43. Furlan, E., Ciardi, D. R., Cochran, W. D., Everett, M. E., et al. (**M. C. Johnson** 20th of 25 authors) *The Kepler Follow-Up Observation Program. II. Stellar Parameters from Medium- and High-Resolution Spectroscopy* 2018, ApJ, 861, 149
44. Bowler, B. P., Dupuy, T. J., Endl, M., Cochran, W. D., et al. (**M. C. Johnson** 13th of 14 authors) *Orbit and Dynamical Mass of the Late-T Dwarf GJ 758 B* 2018, AJ, 155, 159
45. Barragán, O., Gandolfi, D., Dai, F., Livingston, J., et al. (**M. C. Johnson** 30th of 36 authors) *K2-141 b: A 5-M_⊕ Super-Earth Transiting a K7V Star Every 6.7 Hours* 2018, A&A, 612, 95
46. Zhou, G., Rappaport, S., Nelson, L., Huang, C. X., et al. (**M. C. Johnson** 14th of 31 authors) *Occultations from an Active Accretion Disk in a 72-Day Detached Post-Algol System Detected by K2* 2018, ApJ, 854, 109
47. Siverd, R. J., Collins, K. A., Zhou, G., Gaudi, B. S., et al. (**M. C. Johnson** 6th 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
48. Dai, F., Winn, J. N., Gandolfi, D., Wang, S. X., et al. (**M. C. Johnson** 15th of 54 authors) *The Discovery and Mass Measurement of a New Ultra-Short-Period Planet: K2-131b* 2017, AJ, 154, 226
49. Lund, M. B., Rodriguez, J. E., Zhou, G., Gaudi, B. S., et al. (**M. C. Johnson** 6th of 49 authors) *KELT-20b: A Giant Planet with a Period of P ~ 3.5 Days Transiting the V ~ 7.6 Early A Star HD 185603* 2017, AJ, 154, 194
50. Gandolfi, D., Barragán, O., Hatzes, A. P., Fridlund, M., et al. (**M. C. Johnson** 7th of 44 authors) *The Transiting Multi-Planet System HD 3167: A 5 M_⊕ Super-Earth and a 9 M_⊕ Mini-Neptune* 2017, AJ, 154, 123
51. Gaudi, B. S., Stassun, K. G., Collins, K. A., Beatty, T. G., et al. (**M. C. Johnson** 15th of 60 authors) *A Giant Planet Undergoing Extreme-Ultraviolet Irradiation by Its Hot Massive-Star Host* 2017, Nature, 546, 514
52. 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
53. Smith, A. M. S., Gandolfi, D., Barragán, O., Bowler, B., et al. (**M. C. Johnson** 22nd 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
54. Mann, A. W., Newton, E. R., Rizzuto, A. C., Irwin, J., et al. (**M. C. Johnson** 15th 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
55. 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

56. Endl, M., Brugamyer, E. J., Cochran, W. D., MacQueen, P. J., et al. (**M. C. Johnson** 10th 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
57. 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
58. Stark, C. C., Boss, A. P., Weinberger, A. J., Jackson, B. K., et al. (**M. C. Johnson** 7th of 13 authors) *A Search for Exozodiacal Clouds with Kepler* 2013, ApJ, 764, 195
59. Sheffield, A. A., Majewski, S. R., Johnston, K. V., Cunha, K., et al. (**M. C. Johnson** 10th of 13 authors) *Identifying Contributions to the Stellar Halo from Accreted, Kicked-out, and In Situ Populations* 2012, ApJ, 761, 161
60. 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** 6th 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

1. Krisciunas, K., Suntzeff, N. B., Nagasawa, D. Q., **Johnson, M. C.**, Cochran, W., D., & Endl, M. *Why is the Main Sequence of NGC 2482 So Fat?* 2017, RNAAS, 1, 19
2. **Johnson, M. C.** & Cochran, W. D. *Doppler Tomographic Observations of Kepler-13b* 2013, IAU Symposium 299, 295
3. Matthews, L. D., Gérard, E., **Johnson, M. C.**, Le Bertre, T., Libert, Y., & Reid, M. J. *Tails of Stellar Mass-Loss: VLA Imaging of H I in Circumstellar Envelopes* 2011, in *Why Galaxies Care about AGB Stars II*, ASP Conf. Series, ed. F. Kerschbaum, T. Lebzelter, & R. Wing, 445, 305
4. **Johnson, M. C.** *First Results from the Wesleyan Transiting Exoplanet Program* 2010, Proceedings of the 2010 Undergraduate Symposium on Research in Astronomy, T. Balonek, ed.
5. **Johnson, M. C.** *H I as a Tracer of Circumstellar Envelopes* 2009, Proceedings of the 2009 Undergraduate Symposium on Research in Astronomy, D. Cohen, ed., 39
6. **Johnson, M.**, Kaplan, E., & Miller, J. *A Spectroscopic Study of the Structure of the Milky Way* 2008, Proceedings of the 2008 Undergraduate Symposium on Research in Astronomy, E. C. Moran, ed., 1

Indexed Conference Abstracts

1. **Johnson, M. C.**, Rizzuto, A., & Stevens, D. J. *The Spin-Orbit Misalignment Distributions of Hot Jupiters* 2019, Extreme Solar Systems IV, 202.02
2. **Johnson, M. C.**, Rizzuto, A. C., & Smith, E. G. *The Spin-Orbit Misalignments of Hot Jupiters May be Correlated with Stellar Companions, but Not with Metallicity* 2019, BAAS, 233, 124.04
3. Stevens, D. J., Zhou, G., **Johnson, M. C.**, Labadie-Bartz, J., et al. *KELT Discovery of a Fully Convective M Dwarf Transiting a Late-B/Early-A Star* 2019, BAAS, 233, 418.07
4. Thao, P. C., Mann, A. W., Kain, I., Newton, E. R., & **Johnson, M. C.** *The Young Exoplanet K2-25b: Flat Spectrum and High Eccentricity* 2019, BAAS, 233, 247.23
5. **Johnson, M. C.**, Mace, G. N., Kim, H., Kaplan, K. F., McLane, J. N., & Sokal, K. R. *High-Resolution Infrared Spectroscopic Observations of the Upper Scorpius Eclipsing Binary EPIC 203868608* 2017, BAAS, 230, 315.09
6. Gaudi, B. S., Stassun, K. G., Collins, K. A., Beatty, T. G., et al. *KELT-9b: A Giant Planet with the Temperature of a Red Dwarf Star Transiting an Unevolved A0 Star* 2017, BAAS, 230, 102.06
7. Orosz, J. A., Welsh, W. F., Short, D. R., Endl, M., et al. *A Transiting Circumbinary Planet in KIC 10753734* 2016, BAAS, 228, 316.07
8. **Johnson, M. C.** *Planet Candidate Validation and Spin-Orbit Misalignments from Doppler Tomography* 2016, BAAS, 227, 306.01D
9. **Johnson, M. C.**, & Cochran, W. D. *Validation and Characterization of Planets around Hot Stars with Doppler Tomography* 2015, Extreme Solar Systems III, 114.19
10. Cochran, W. D., Endl, M., **Johnson, M. C.**, Lee, B.-C., et al. *PICK2: Planets in Clusters with K2* 2015, DPS, 47, 417.02
11. **Johnson, M. C.**, Cochran, W. D., & Endl, M. *Validation of a Warm Jupiter Transiting a Rapidly Rotating Star* 2015, BAAS, 225, 306.04
12. **Johnson, M. C.** & Cochran, W. D. *Doppler Tomographic Observations of Exoplanet Transits* 2013, BAAS, 221, 343.07
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Last updated June 23, 2022
