

Ji Wang

CONTACT INFORMATION	The Ohio State University McPherson Laboratory 140 West 18th Avenue Columbus OH, 43210-1173	Office: +1-614-292-1773 Fax: +1-614-292-2928 E-mail: wang.12220@osu.edu
CITIZENSHIP	P.R.China, U.S. permanent resident	
RESEARCH INTERESTS	Exoplanet detection and characterization using the radial velocity technique, transit photometry, high contrast imaging technique, and high resolution spectroscopy. High resolution imaging and interferometry. Planet formation and habitability in multiple stellar systems and planets at wide orbits. The influence of stellar abundances on planet formation.	
EXPERIENCES	<p>The Ohio State University, Columbus, OH, USA Assistant Professor, August 2018</p> <p>California Institute of Technology, Pasadena, California, USA Postdoctoral Scholar, September 2015</p> <p>Yale University, New Haven, Connecticut, USA Postdoctoral Scholar, September 2012</p> <p>University of Florida, Gainesville, Florida, USA Ph.D., Astronomy, July 2012</p> <ul style="list-style-type: none">Thesis Topic: <i>Toward Massive Detection of Planets Around M-Dwarfs Using the Radial Velocity Technique</i> <p>M.S., Astronomy, May 2008</p> <ul style="list-style-type: none">Thesis Topic: <i>High-Contrast Imaging of Exoplanets Around Giant Stars</i> <p>University of Science and Technology of China, Hefei, Anhui, P.R.China B.S., Astrophysics, July 2006</p>	
REFEREED PUBLICATIONS (FIRST& SECOND AUTHOR)	<p>35 first- and second-authored refereed publications and 7227 total citations, 912 citations for first- and second-authored refereed publications, h-index = 29 (as of Jul 2022). * marks papers from advisees.</p> <p>Jared Kolecki*, Wang, J.; 2022, accepted, Measuring Elemental Abundances of JWST Target Stars for Exoplanet Characterization I. FGK Stars</p> <p>Michael Plummer*, Wang, J.; 2022, ApJ, 933, 163, A Unified Spectroscopic and Photometric Model to Infer Surface Inhomogeneity: Application to Luhman 16B</p> <p>Alexander Stephan, Wang, J., Cauley, P. Wilson ; Gaudi, B. Scott ; Ilyin, Ilya ; Johnson, Marshall C. ; Strassmeier, Klaus G.; 2022, ApJ, 931, 111, Nodal Precession and Tidal Evolution of Two Hot-Jupiters: WASP-33 b and KELT-9 b</p>	

- Wang, J.**, Jared Kolecki*, Ruffio, Jean-Baptiste; Wang, Jason J.; Mawet, Dimitri; Baker, Ashley; Bartos, Randall; Blake, Geoffrey A.; Bond, Charlotte Z.; Calvin, Benjamin; Cetre, Sylvain; Delorme, Jacques-Robert; Doppmann, Greg; Echeverri, Daniel; Finnerty, Luke; Fitzgerald, Michael P.; Jovanovic, Nemanja; Liu, Michael C.; Lopez, Ronald; Morris, Evan; Pai Asnodkar, Anusha*; Pezzato, Jacklyn; Ragland, Sam; Roy, Arpita; Ruane, Garreth; Sappey, Ben; Schofield, Tobias; Skemer, Andrew; Venenciano, Taylor; Wallace, J. Kent; Wallack, Nicole L.; Wizinowich, Peter; Xuan, Jerry W.; 2022, AJ, 163, 189, Retrieving C and O Abundance of HR 7672 AB: a Solar-Type Primary Star with a Benchmark Brown Dwarf
- Anusha Pai Asnodkar*, **Wang, J.**, Jason D. Eastman, B. Scott Gaudi, P. Wilson Cauley, Ilya Ilyin, and Klauss Strassmeier; 2022, AJ, 163, 155, Variable and supersonic winds in the atmosphere of an ultra-hot giant planet
- Anusha Pai Asnodkar*, **Wang, J.**, B. Scott Gaudi, P. Wilson Cauley, Jason D. Eastman, Ilya Ilyin, Klauss Strassmeier, and Thomas Beatty; 2021, AJ, 163, 40, KELT-9 as an eclipsing double-lined spectroscopic binary: a unique and self-consistent solution to the system
- Caprice Phillips*, **Wang, J.**, Sarah Kendrew, Thomas P. Greene, Renyu Hu, Jeff Valenti, Wendy Panero, and Joe Schulze; 2021, ApJ, 923, 144, Detecting Biosignatures in the Atmospheres of Gas Dwarfs Planets with the James Webb Space Telescope
- Jared Kolecki*, **Wang, J.**, Jennifer A. Johnson, Joel C. Zinn, Ilya Ilyin, Klaus G. Strassmeier; 2021, AJ, 162, 125, Searching For Transiting Planets Around Halo Stars. I. Sample Selection and Validation
- Kiersten Boley*, **Wang, J.**, Joel C. Zinn, Ting S. Li, Johanna K. Teske, Karen A. Collins, Kevin I. Collins, and Tianjun Gan; 2021, AJ, 162, 85, Searching For Transiting Planets Around Halo Stars. II. Constraining the Occurrence Rate of Hot Jupiters
- Joe Schulze*, **Wang, J.**, J. A. Johnson, C.T. Unterborn, W.R. Panero, B.S. Gaudi; 2021, PSJ, 2, 113 Do rocky planets reflect host-star compositions?
- Wilson Cauley, **Wang, J.**, Evgenya L. Shkolnik, Ilya Ilyin, Klaus G. Strassmeier, Seth Redfield, Adam Jensen; 2020, submitted to AJ, Time-resolved rotational velocities in the upper atmosphere of WASP-33 b
- Wang, J.**, Colby Jurgenson; 2020, AJ, 160, 210, Exoplanets Sciences with Nulling Interferometers and a Single-Mode Fiber-Fed Spectrograph
- Wang, J.**, Wang, Jason J.; Ma, Bo; Chilcote, Jeffrey; Ertel, Steve; Guyon, Olivier; Ilyin, Ilya; Jovanovic, Nemanja; Kalas, Paul; Lozi, Julien; Macintosh, Bruce; Strassmeier, Klaus G.; Stone, Jordan; 2020, AJ, 160, 150, On the Chemical Abundance of HR 8799 and the Planet c
- Wang, J.**, Trevor J. David, Lynne Hillenbrand, Dimitri Mawet, Simon Albrecht, Zibo Liu; 2018, ApJ, 865, 141, EPIC 203868608: A low-mass quadruple star system in the Upper Scorpius OB association
- Wang, J.**, Dimitri Mawet, Jonathan J. Fortney, Callie Hood, Caroline V. Morley, Bjorn Benneke; 2018, AJ, 156, 272, Detecting Water In HR 8799 c with High Dispersion Spectroscopy Aided By Adaptive Optics
- Garreth Ruane, **Wang, J.**, Dimitri Mawet, Nemanja Jovanovic, Jacques-Robert Delorme, Bertrand Mennesson, J. Kent Wallace; 2018, ApJ, accepted, Efficient spectroscopy of exoplanets at small angular separations with vortex fiber nulling

- Wang, J.**; Mawet, Dimitri; Ruane, Garreth; Delorme, Jacques-Robert; Klimovich, Nikita; Hu, Renyu; 2018, JATIS, 4, 4 Baseline requirements for detecting biosignatures with the HabEx and LUVOIR mission concepts
- Wang, J.**, Prato, Lisa; Mawet, Dimitri; 2017, ApJ, 838, 35, Time-Resolved High Spectral Resolution Observation of 2MASSW J0746425+200032AB
- Wang, J.**, Mawet, Dimitri; Ruane, Garreth; Renyu, Hu; Benneke, Bjorn; 2017, AJ, 153, 183, Observing Exoplanets with High Dispersion Coronagraphy. I. The Scientific Potential of Current and Next-Generation Large Ground and Space Telescopes
- Zhu, Wei; **Wang, J.**; Huang, Chelsea; 2016, ApJ, 832, 196, Dependence of Small Planet Frequency on Stellar Metallicity Hidden by Their Prevalence
- Wang, J.**, Fischer, Debra A.; Barclay, Thomas; Picard, Alyssa; et al., 2015, ApJ, 815, 127, Planet Hunters. VIII. Characterization of 41 Long-period Exoplanet Candidates from Kepler Archival Data
- Wang, J.**, Fischer, Debra A.; Ji-Wei, Xie; Ciardi, David; et al., 2015, ApJ, 813, 130, Influence of Stellar Multiplicity on Planet Formation. IV. Adaptive Optics Imaging of Kepler Stars with Multiple Transiting Planet Candidates
- Wang, J.**, Fischer, Debra A., Horch, Elliott P., Xie, Ji-Wei., 2015, ApJ, 806, 248, Influence of Stellar Multiplicity on Planet Formation. III. Adaptive Optics Imaging of Kepler Stars With Gas Giant Planets
- Wang, J.** & Fischer, D. A. 2015, AJ, 149, 14, Revealing A Universal Planet-Metallicity Correlation For Planets of Different Sizes Around Solar-Type Stars
- Wang, J.**, Fischer, Debra A., Horch, Elliott P., Huang, Xu., 2015, ApJ, 799, 229, On the Occurrence Rate of Hot Jupiters in Different Stellar Environments
- Wang, J.**, Fischer, Debra A.; Xie, Ji-Wei; Ciardi, David R., 2014, ApJ, 791, 111, Influence of Stellar Multiplicity On Planet Formation. II. Planets Are Less Common in Multiple Star Systems with Separations Smaller than 1500 AU
- Wang, J.**, Xie, Ji-Wei; Barclay, Thomas; Fischer, Debra A., 2014, ApJ, 783, 4, Influence of Stellar Multiplicity On Planet Formation. I. Evidence of Suppressed Planet Formation Due to Stellar Companions Within 20 AU and Validation of Four Planets From the *Kepler* Multiple Planet Candidates
- Schmitt, J. R., **Wang, J.**, Fischer, D. A., et al. 2014, AJ, 148, 28, Planet Hunters. VI. An Independent Characterization of KOI-351 and Several Long Period Planet Candidates from the Kepler Archival Data
- Wang, J.**, et al. 2013, ApJ, 776, 10, Planet Hunters. V. A Confirmed Jupiter-Size Planet in the Habitable Zone and 42 Planet Candidates from the Kepler Archive Data
- Wang, J.**, Ge, J., Wan, X., De Lee, N., & Lee, B. 2012, PASP, 124, 1159, Accurate Group Delay Measurement for Radial Velocity Instruments Using the Dispersed Fixed Delay Interferometer Method. II. Application of Heterodyne Combs Using an External Interferometer Filter
- Wang, J.**, Ge, J., Wan, X., Lee, B., & De Lee, N. 2012, PASP, 124, 598, Accurate Group-Delay Measurement for Radial-Velocity Instruments Using the Dispersed Fixed-Delay Interferometer Method
- Wang, J.**, & Ford, E. B. 2011, MNRAS, 418, 1822, On the eccentricity distribution of short-period single-planet systems

Wang, J., Ge, J., Jiang, P., & Zhao, B. 2011, ApJ, 738, 132, Fundamental Performance of a Dispersed Fixed Delay Interferometer in Searching for Planets around M Dwarfs

Wan, X.; Wang, J.; Ge, J. Accurate Measurement of Interferometer Group Delay Using Field-compensated Scanning White Light Interferometer. *Applied Optics*. Vol. 49 Issue 29, pp.5645-5653 (2010).

Wan, X.; Wang, J.; Ge, J. Resolving Fringe Ambiguities of a Wide-field Michelson Interferometer Using Visibility Measurements of a Noncollimated Laser Beam. *Applied Optics*. Vol. 48 Issue 26, pp.4909-4916 (2009).

BOOK
CHAPTER

Heliophysics: Active Stars, their Astrospheres, and Impacts on Planetary Environments. Edited by Carolus J. Schrijver, Frances Bagenal and Jan J. Sojka. Chapter 5. Characteristics of planetary systems by Debra Fischer and **Ji Wang**.

OTHER
REFEREED
PUBLICATIONS

29 contributing refereed publications (as of Jul 2021)

Ishikawa et al., 2022, AJ, 163, 72 Elemental Abundances of nearby M Dwarfs Based on High-resolution Near-infrared Spectra Obtained by the Subaru/IRD Survey: Proof of Concept

Martin et al., 2021, MNRAS, 507, 4132 TOI-1259Ab - a gas giant planet with 2.7 per cent deep transits and a bound white dwarf companion

Wang et al., 2021, AJ, 162, 148 Detection and Bulk Properties of the HR 8799 Planets with High Resolution Spectroscopy

Rodriguez et al., 2021, ApJ, 911, 84, Analytic Estimates of the Achievable Precision on the Physical Properties of Transiting Planets Using Purely Empirical Measurements

Uyama et al., 2020, AJ, 160, 283 Early High-contrast Imaging Results with Keck/NIRC2-PWFS: The SR 21 Disk

Wang et al., 2020, AJ, 159, 263 Keck/NIRC2 L'-Band Imaging of Jovian-Mass Accreting Protoplanets around PDS 70

Eisner et al., 2020, MNRAS, 10, 1093 Planet Hunters TESS I: TOI 813, a subgiant hosting a transiting Saturn-sized planet on an 84-day orbit

Mawet, Dimitri et al., 2019, AJ, 157, 33, Deep Exploration of ϵ Eridani with Keck Ms-band Vortex Coronagraphy and Radial Velocities: Mass and Orbital Parameters of the Giant Exoplanet

Liu, Hui-Gen et al., 2018, AJ, 155, 12, Searching for the Transit of the Earth-mass Exoplanet Proxima Centauri b in Antarctica: Preliminary Result

Zhang, Shaohua et al., 2017, ApJ, 836, 86, Ultraviolet and Optical Emission Line Outflows in the Heavily Obscured Quasar SDSS J000610.67+121501.2: At the Scale of the Dusty Torus and Beyond

David, Trevor et al., 2017, ApJ, 835, 168, A Transient Transit Signature Associated with the Young Star RIK-210

Ma, Bo, et al., 2016, AJ, 152, 112, Very Low-mass Stellar and Substellar Companions to Solar-like Stars from MARVELS. VI. A Giant Planet and a Brown Dwarf Candidate in a Close Binary System HD 87646

Ngo, Henry, et al., 2016, ApJ, 827, 8, Friends of Hot Jupiters. IV. Stellar Companions Beyond 50 au Might Facilitate Giant Planet Formation, but Most are Unlikely to Cause Kozai-Lidov Migration

- Roberts, Lewis C., et al. 2016, *AJ*, 151, 169, Characterization of the Companion μ Her
- Schmitt, J. R., et al. 2016, *AJ*, 151, 159, Planet Hunters. X. Searching for Nearby Neighbors of 75 Planet and Eclipsing Binary Candidates from the K2 Kepler extended mission
- Eastman, Jason D., et al., 2016, *AJ*, 151, 45, KELT-4Ab: An Inflated Hot Jupiter Transiting the Bright ($V \sim 10$) Component of a Hierarchical Triple
- Montet, Benjamin T., et al. 2015, *ApJ*, 813, 11, Dynamical Masses of Young M Dwarfs: Masses and Orbital Parameters of GJ 3305 AB, the Wide Binary Companion to the Imaged Exoplanet Host 51 Eri
- LaCourse, D. M., et al. 2015, *MNRAS*, 452, 3561, Kepler Eclipsing Binary Stars. VI. Identification of Eclipsing Binaries in the K2 Campaign 0 Data-set
- Alam, Shadab, et al., 2015, *ApJS*, 219, 12, The Eleventh and Twelfth Data Releases of the Sloan Digital Sky Survey: Final Data from SDSS-III
- Fleming, S. W., et al. 2015, *AJ*, 149, 143, The APOGEE Spectroscopic Survey of Kepler Planet Hosts: Feasibility, Efficiency, and First Results
- Bieryla, A., et al. 2015, *AJ*, 150, 12, KELT-7b: A hot Jupiter transiting a bright $V=8.54$ rapidly rotating F-star
- Ghezzi, L., et al. 2014, *AJ*, 148, 105, Accurate Atmospheric Parameters at Moderate Resolution Using Spectral Indices: Preliminary Application to the MARVELS Survey
- Jiang, P., et al. 2013, *AJ*, 146, 65, Very Low Mass Stellar and Substellar Companions to Solar-like Stars from MARVELS. IV. A Candidate Brown Dwarf or Low-mass Stellar Companion to HIP 67526
- Pepper, J., et al. 2013, *ApJ*, 773, 64, KELT-3b: A Hot Jupiter Transiting a $V = 9.8$ Late-F Star
- De Lee, N., et al. 2013, *AJ*, 145, 155, Very Low Mass Stellar and Substellar Companions to Solar-like Stars from MARVELS. V. A Low Eccentricity Brown Dwarf from the Driest Part of the Desert, MARVELS-6b
- Wright, J. T., et al. 2013, *ApJ*, 770, 119, MARVELS-1: A face-on double-lined binary star masquerading as a resonant planetary system; and consideration of rare false positives in radial velocity planet searches
- Ma, B., et al. 2013, *AJ*, 145, 20, Very-low-mass Stellar and Substellar Companions to Solar-like Stars from Marvels. III. A Short-period Brown Dwarf Candidate around an Active G0IV Subgiant
- Ahn, C. P., et al. 2012, *ApJS*, 203, 21, The Ninth Data Release of the Sloan Digital Sky Survey: First Spectroscopic Data from the SDSS-III Baryon Oscillation Spectroscopic Survey
- Fleming, S. W., et al. 2012, *AJ*, 144, 72, Very Low Mass Stellar and Substellar Companions to Solar-like Stars from MARVELS. II. A Short-period Companion Orbiting an F Star with Evidence of a Stellar Tertiary and Significant Mutual Inclination
- Wisniewski, J. P., et al. 2012, *AJ*, 143, 107, Very Low Mass Stellar and Substellar Companions to Solar-like Stars from MARVELS. I. A Low-mass Ratio Stellar Companion to TYC 4110-01037-1 in a 79 Day Orbit

Eisenstein, D. J., et al. 2011, AJ, 142, 72, SDSS-III: Massive Spectroscopic Surveys of the Distant Universe, the Milky Way, and Extra-Solar Planetary Systems

Aihara, H., et al. 2011, ApJS, 193, 29, The Eighth Data Release of the Sloan Digital Sky Survey: First Data from SDSS-III

Lee, B. L., et al. 2011, ApJ, 728, 32, MARVELS-1b: A Short-period, Brown Dwarf Desert Candidate from the SDSS-III Marvels Planet Search

Wright, J. T., et al. 2009, ApJ, 699, L97, A Third Giant Planet Orbiting HIP 14810

CONFERENCE
PROCEEDINGS

Wang, J., Mawet, D., Ruane, G., Delorme, J., Klimovich, N., & Renyu, Hu, 2017, Proc. SPIE, 10400, Baseline Requirement For Detecting Biosignature For the HabEx and LUVOIR Missions

Wang, J., Mawet, D., Renyu, Hu, & Benneke, B. 2016, Proc. SPIE, 9911, High-contrast imaging and high-resolution spectroscopy observation of exoplanets

Ge, J., et al. 2012, Proc. SPIE, 8446, Design and performance of a new generation, compact, low cost, very high Doppler precision and resolution optical spectrograph

Ge, J., et al. 2012, Proc. SPIE, 8446, High resolution Florida IR silicon immersion grating spectrometer and an M dwarf planet survey

Zhao, B., Ge, J., Nguyen, D. C., **Wang, J.**, & Groot, J. 2010, Proc. SPIE, 7735, Design of a near-IR Doppler instrument for planet searches

Ge, J., et al. 2010, Proc. SPIE, 7735, Design, performance, and early results from extremely high Doppler precision instruments in a global network

Wang, J., Wan, X., & Ge, J. C. 2010, Proc. SPIE, 7734, Development of Monolithic Michelson Interferometer for RV measurement in IR

Wan, X., & Ge, J., **Wang, J.** 2009, Proc. SPIE, 7424, Monolithic interferometer for high precision radial velocity measurements

Ge, J., et al. 2009, Proc. SPIE, 7440, A new generation multi-object Doppler instrument for the SDSS-III Multi-object APO Radial Velocity Exoplanet Large-area Survey

HONORS AND
AWARDS

NSF CAREER Award, Jan, 2022

Scialog Fellow in Signatures of Life in the Universe, Apr, 2020

Scialog Fellow in Time Domain Astronomy, Apr, 2019

Architect for MARVELS in SDSS III, May, 2011

INVITED TALKS

“A Collage of Exoplanets on the Mass-Period Diagram”, Colloquium Talk, Radboud University Nijmegen, Apr, 2021

“A Collage of Exoplanets on the Mass-Period Diagram”, Colloquium Talk, UW Madison, Mar, 2021

“Exoplanet Sciences with Fiber Nullers”, Colloquium Talk, CASSACA: Chinese Academy of Sciences South America Center for Astronomy, Jan, 2021 “Metallicity and Formation of Stars and Planets”, KITP, Santa Barbara, May, 2019

“Searching for Biosignatures on Other Worlds”, Colloquium Talk at UCLA, Apr, 2018

“Searching for Biosignatures on Other Worlds”, Colloquium Talk at the Ohio State University, Feb, 2018

“Adaptive Optics in Exoplanetary Research”, Colloquium Talk at Las Cumbres Observatory, Santa Barbara, CA, Feb, 2018

“Adaptive Optics in Exoplanetary Research”, Plenary Talk at CFAO retreat, Lake Arrowhead, Sep, 2017
 “Where and How to Find Habitable Planets”, Colloquium Talk, University of Montreal, Sep, 2017
 “Where and How to Find Habitable Planets”, Colloquium Talk, University of California at Berkeley, Aug, 2017
 “The New Frontier of Exoplanetary Science: High Dispersion Coronagraphy (HDC)”, Lunch Talk, Carnegie Observatories, May, 2017
 “The New Frontier of Exoplanetary Science: High Dispersion Coronagraphy (HDC)”, Colloquium Talk, IfA, University of Hawaii, Feb, 2017
 “Where and How to Find Habitable Planets”, Colloquium Talk, IfA, University of Hawaii, Feb, 2017
 “High-Contrast Imaging and High-Resolution Spectroscopy Observation of Exoplanets”, LUVUOIR seminar Talk, Oct 2016
 “Planet Formation Under Different Environments”, Colloquium Talk, UCLA, Apr 2014
 “Planet Formation Under Different Environments”, Lunch Talk, Carnegie Observatories, Mar 2014
 “Planet Formation Under Different Environments”, Seminar Talk, Yale Center for Astronomy and Astrophysics, Yale University, Mar 2014
 “Planet Formation Under Different Environments”, Seminar Talk, Tsinghua University, Mar 2014
 “Planet Formation Under Different Environments”, Colloquium Talk, Wesleyan University, Nov 2014
 “Stellar Influence On Planet Formation”, Connecticut Star Party, Ashford CT, Sep 2014
 “Advancing Our Knowledge of Planets in the Habitable Zone and Beyond”, Colloquium Talk, IPAC, California Institute of Technology, Jul 2014
 “Planets in Binary Stars”, invited talk, CT Exoplanet Picnic, Wesleyan University, May 2014
 “Stellar Multiplicity Influence on Planet Formation”, seminar talk, Center for Exoplanets and Habitable Worlds, PSU, April 2014
 “Advancing Our Knowledge of Planets in the Habitable Zone and Beyond”, Exoplanet Talk, Princeton University, Nov, 2013
 “Searching Exoplanets in Habitable Zone Around Low Mass Stars”, AAPT Winter Meeting, Jacksonville, FL, Jan, 2011

OTHER TALKS

“Direct Spectroscopy of Exoplanets with ELTs: Technology and Analysis Techniques”, Spatially Resolved Spectroscopy with Extremely Large Telescopes, September, 2021
 “Exoplanet Sciences with Fiber Nullers”, New Direct Imaging Tech Talk, Sep, 2020
 “Searching for the Most Metal-Poor Planet Hosts”, Contributed Talk, Extreme Solar System IV, Iceland, Aug, 2019
 “The New Frontier of Exoplanetary Science: High Dispersion Coronagraphy (HDC)”, Invited Talk, KISS workshop, Pasadena, CA, Apr, 2018
 “The New Frontier of Exoplanetary Science: High Dispersion Coronagraphy (HDC)”, FLASH Talk, UC Santa Cruz, Aug, 2017
 “Planet Formation Under Different Environments”, Lunch Talk, IPAC, Jun 2015
 “Planet Formation Under Different Environments”, Lunch Talk, Kavli Institute for Astronomy and Astrophysics, Peking University, Mar 2014
 “Planets in Binary Stars”, Keck Science Meeting, California Institute of Technology, Oct 2014
 “Putting An End to Twinkling Litter Stars”, Astro on Tap, New Haven CT, Sep 2014
 “Advancing Our Knowledge of Planets in the Habitable Zone and Beyond”, Special Seminar Talk, UC Berkeley, Aug 2014
 “Advancing Our Knowledge of Planets in the Habitable Zone and Beyond”, special

seminar, University of Pennsylvania, April 2014
“Revealing A Universal Planet-Metallicity Correlation”, Oral presentation, AAS 223rd Meeting, National Harbor, Maryland, Jan 2014
“Advancing Our Knowledge of Planets in the Habitable Zone and Beyond”, Special Colloquium Talk, University of Florida, Nov, 2013
“Searching For Planets Around M Dwarfs Using the Radial Velocity Technique”, AAS 219th Meeting, Austin, TX, Jan, 2012 “Development of A Monolithic Interferometer For Precise Radial Velocity Measurement”, Flash Talk, University of Arizona, May, 2008

COMMUNITY
SERVICE

Reviewer for ApJ, ApJL, AJ, PASP, A&A, MNRAS, and Nature
Reviewer for the NASA Maturation of Instruments for Solar System Exploration (MatISSE) Program
Reviewer for the Heising-Simons Foundation
Panelist on HST proposal review panel
Reviewer for the Swiss National Science Foundation and the Dutch Research Council
Member of admission committee at Yale University and the Ohio State University
Organizer/Lecturer for the Korean GMT Exoplanet Summer School, Jul, 2019

PUBLIC
OUTREACH

Young Scholars Program Freshman Foundations Virtual Visit, Columbus, OH, Mar, 2022
Ohio State Astronomy Club, Columbus, OH, Feb, 2022
USTC alum club, Columbus, OH, Jan, 2022
New Vista Talk @ Perkins Observatory, Columbus, OH, Sep, 2021
Franklin Science Pub, Columbus, OH, Apr, 2021
Connecticut Star Party, Ashford, CT, Sep, 2014
Venus Transit Event, Gainesville, FL, Jun 2012
Wiles Science Symposium, Gainesville, FL, May 2010
Mercury Transit Event, Gainesville, FL, Nov 2006
Stars Shine on East Gainesville, FL, Sep 2006 and Oct 2010
Volunteer in Teaching Observatory at the University of Florida, Gainesville, 2006-2012

MEDIA COVERAGE

Ji Wang Awarded NSF CAREER Grant
‘Twinkle’ satellite to scan for potentially habitable worlds
Exoplanet Stepping Stones: Researchers are Perfecting Technology to One Day Look for Signs of Alien Life
Ohio State professor advances research to detect life on other planets
Caltech: Inventing Tools for Detecting Life Elsewhere
USA Today: Volunteers spot jumbo planet in star’s ‘habitable zone’
NBC: NASA’s Kepler mission uncovers 461 more potential planets to check out
LA Times: Kepler data point to more planets in habitable zone
Telegraph: Moons rather than planets are the best place to find aliens
SDSS Blog: Ji Wang: A Rising Star in the Search for Exoplanets
BBC: Seven-planet solar system found

TEACHING
PORTFOLIO

2007-2009, Astro 1022L, Introduction to Astronomy, University of Florida
2018-2020, Astro 1141, Life in Universe, The Ohio State University
2019-2021, Astro 1144, Stars and Galaxies, The Ohio State University
2020-2022, Astro 5205, Planetary Science, The Ohio State University

STUDENTS
MENTORED

Avidaan Srivastava, undergraduate student, OSU, 2021-
Jared Kokecki, undergraduate student, OSU, 2019-
Michael Plummer, graduate student, OSU, 2021-
Anusha Pai, graduate student, OSU, 2019-
Kiersten Boley, graduate student, OSU, 2019-
Caprice Phillips, graduate student, OSU, 2019-
Grant Lach, undergraduate student, OSU, 2020-2021
Jacklyn Pezzato, graduate student, Caltech, 2018-2019
Joseph Schmitt, graduate student, Yale University, 2012-2015
Lamiya Mowla, graduate student, Yale University, 2014-2015
Carlos Sosa, undergraduate student, Caltech, 2018
Yangyang Li, undergraduate student, USTC, 2017-2018
Zhibo Liu, undergraduate student, NJU, 2017
Sizheng Ma, undergraduate student, THU, 2016
Alyssa Picard, undergraduate student, Yale University, 2012-2015
Cory Combs, undergraduate student, Yale University, 2012-2015
Charles Margossian, undergraduate student, Yale University, 2013-2015

REFERENCES
AVAILABLE TO
CONTACT

Prof. Jian Ge (e-mail: jge@shao.ac.cn)

- Professor, Shanghai Astronomical Observatory
- *Prof. Ge is my Ph.D. adviser.*

Prof. Debra Fischer (e-mail: debra.fischer@yale.edu; phone: +1-203-432-1613)

- Professor, Astronomy
Yale University
- *Prof. Fischer is my postdoc mentor.*

Prof. Dimitri Mawet (e-mail: dmawet@astro.caltech.edu ; phone: +1-626-395-1452)

- Professor, Astronomy
California Institute of Technology
- *Prof. Mawet is my postdoc mentor.*

Prof. Eric B. Ford (e-mail: ericbford@gmail.com; phone: +1-814-863-5558)

- Professor, Astronomy
The Pennsylvania State University
- *Prof. Ford is my Ph.D. co-adviser and collaborator.*

Prof. Justin R. Crepp (e-mail: jcrepp@nd.edu; phone: +1-574-631-4092)

- Professor, Astronomy
University of Notre Dame
- *Prof. Crepp is my collaborator.*