

*Dr. Eric E. Mamajek*  
Curriculum Vitae - 24 April 2023

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### **Positions**

2022- [JPL Principal Scientist](#), Astrophysics and Space Sciences  
2020- Discipline Program Manager - Exoplanets, Astro. & Physics Directorate, [JPL/Caltech](#)  
2016- Deputy Program Chief Scientist, [NASA Exoplanet Exploration Program](#), [JPL/Caltech](#)  
2017- Professor of [Physics & Astronomy](#) (Research), University of Rochester  
2016-2017 Visiting Professor, [Physics & Astronomy](#), University of Rochester  
2016 Professor, [Physics & Astronomy](#), University of Rochester  
2013-2016 Associate Professor, [Physics & Astronomy](#), University of Rochester  
2011-2012 Associate Astronomer, [NOAO](#), [Cerro Tololo Inter-American Observatory](#)  
2008-2013 Assistant Professor, [Physics & Astronomy](#), University of Rochester (on leave 2011-2012)  
2004-2008 [Clay Postdoctoral Fellow](#), [Harvard-Smithsonian Center for Astrophysics](#)  
2000-2004 Graduate Research Assistant, [University of Arizona](#), [Astronomy](#)  
1999-2000 Graduate Teaching Assistant, [University of Arizona](#), [Astronomy](#)  
1998-1999 [J. William Fulbright Fellow](#), Australia, [ADFA/UNSW School of Physics](#)

### **Languages**

English (native), Spanish (advanced)

### **Education**

2004 Ph.D. [The University of Arizona](#), *Astronomy*  
2001 M.S. [The University of Arizona](#), *Astronomy*  
2000 M.Sc. [The University of New South Wales](#), [ADFA](#), *Physics*  
1998 B.S. [The Pennsylvania State University](#), *Astronomy & Astrophysics*, *Physics*  
1993 H.S. [Bethel Park High School](#)

### **Research Interests**

- Formation and Evolution of Exoplanetary Systems: Planets, Substellar Objects, Stars
- Stellar Ages, Kinematics, Rotation, Magnetic Activity, Groups

### **Fellowships**

2004-2008 [Clay Postdoctoral Fellowship](#) - [Harvard-Smithsonian Center for Astrophysics](#)  
2002-2004 [NASA Graduate Student Researchers Program Fellowship](#)  
1998-1999 [J. William Fulbright Fellowship](#) - Australia

## Research Grants, Awards, Honors

- 2023 NASA Team Award - for delivering Habitable Worlds Observatory target list to community
- 2022 [JPL Principal Scientist](#), Astrophysics and Space Sciences
- 2022 Beatrice M. Tinsley Visiting Scholar - The University of Texas at Austin
- 2021 JPL Explorer Award - contributions to Extreme Precision Radial Velocity Working Group
- 2020 NASA Team Award - Galaxy of Horrors Poster Team
- 2020 NASA Group Achievement Award - Exoplanet Standard Definition and Evaluation Team
- 2019 Robert H. Goddard Honor Award - Origins Space Telescope Mission Study Team
- 2019 NASA Group Achievement Award - Astrophysics Large Mission Study Team
- 2018 PI, K2 Guest Observer Cycle 6, "Investigating the Early Evolution of Exoplanet Properties" - \$100k (science PI: T. David)
- 2018 [AAS Nova: Mamajek \(2017\) highlighted as most-cited \*Research Note of the AAS\* in its 1st year](#)
- 2017 PI, JPL RT&D, "The Occurrence Rates of Close-In Exoplanets as a Function of Stellar Age" (science PI: T. David)
- 2016 PI, University of Rochester, University Research Award - \$40k
- 2015 co-I, NASA NExSS, "Chemical and Physical Characterization of Exoplanet Host Stars for Habitability and Detectability Assessments" (PI S. Desch) - subaward \$186k
- 2015 [AAS Nova: Mamajek et al. \(2015\) highlighted as one of 2015's most-downloaded papers in AAS Journals](#)
- 2014 PI, NSF-AST REU supp., "DECam Survey for Benchmark 15 Myr-old Substellar Objects in the Nearest OB Association" - \$6.5k
- 2013 PI, NSF-AST, "DECam Survey for Benchmark 15 Myr-old Substellar Objects in the Nearest OB Association" - \$288k
- 2013 PI, NSF-AST REU supp., "Chemical Self-Enrichment in the Nearest OB Association" - \$6.5k
- 2013 [AURA Team Award, DECam Installation, Commissioning, and Science Verification Team](#)
- 2012 Excellence in Undergraduate Teaching Award, Dept. Physics & Astro., Univ. Rochester
- 2011 PI, NSF-AST REU supp., "Chemical Self-Enrichment in the Nearest OB Association" - \$6.8k
- 2010 PI, NSF-AST, "Chemical Self-Enrichment in the Nearest OB Association" - \$481k
- 2010 co-I, NASA Herschel OT1, "Tracing Remnant Gas in Planet Forming Debris Disks: Confronting Theories of Ice-Giant Planet Formation" (PI V. Geers) - \$14k
- 2009 co-I, NASA ADP, "A Photometry Catalog of Stars within 130 pc Serendipitously Observed by *Spitzer*" (PI D. Hines) - \$186k
- 2007 PI, NASA *Spitzer* Cycle 4, "Search for Terrestrial Temperature Debris Around Needles in the Haystack: A Survey for Disks in a New Nearby 20 Myr Old Association" - \$65k
- 2005 co-I, NASA *Spitzer* Cycle 2, "Circumstellar Disk Evolution Across the Stellar Mass Spectrum in the Upper Sco Association" (PI J. Carpenter) - \$340k
- 2004 Clay Postdoctoral Fellowship, SAO - ~\$250k
- 2002 PI, Graduate Student Researchers Program, NASA (advisor M. Meyer) - \$48k
- 2000 PI, Grant-in-Aid Award, Sigma Xi Scientific Research Society - \$2k
- 1998 Fulbright Fellowship - \$25k

## **Professional Memberships (and current leadership roles)**

International Astronomical Union (IAU):

NameExoWorlds 2022 Campaign (Co-Chair 2022-2023)

Steering Committee IAU100 NameExoWorlds (Co-Chair 2019-2020)

Commission F2 Exoplanets and the Solar System (Organizing Committee 2018-)

Division C WG Star Names (Chair 2016-2021, Secretary 2021-)

Executive Committee WG Exoplanetary System Nomenclature (Organizer, Member 2021-)

Member of following IAU divisions and commissions:

Div. A: Fundamental Astronomy

Div. C: Education, Outreach and Heritage

Div. F: Planetary Systems and Bioastronomy

Div. G: Stars and Stellar Physics

Div. C Comm. C4: World Heritage and Astronomy

Div. F Comm. F2: Exoplanets and the Solar System

Div. F: WG on Exoplanets for the Public

Div. H: Interstellar Matter and Local Universe

Div. H Commission 37: Star Clusters and Associations

Inter-Division G-H-J Comm. Stellar clusters throughout Cosmic Space and Time

American Astronomical Society (AAS)

American Association for the Advancement of Science (AAAS)

American Association of Variable Star Observers (AAVSO)

## **Teaching**

2016 Spring	AST 142, Astrophysics II (for Sophomore majors), UR
2015 Fall	AST 111, The Solar System and Its Origin (for Fr./So. majors), UR
2015 Spring	AST 241, Stellar Astrophysics (for Jr./Sr. majors), UR
2014 Fall	AST 111, The Solar System and Its Origin (for Fr./So. majors), UR
2014 Spring	AST 142, Astrophysics II (for Sophomore majors), UR
2013 Fall	AST 111, The Solar System and Its Origin (for Fr./So. majors), UR
2013 Spring	AST 241, Stellar Astrophysics (for Jr./Sr. majors), UR
2012 Fall	AST 453, Stellar Structure & Atmospheres (graduate), UR
2011 Spring	AST 241, Stellar Astrophysics (for Jr./Sr. majors), UR
2010 Fall	AST 565, Formation of Stars & Planetary Systems (graduate), UR
2010 Spring	AST 142, Astrophysics II (for Sophomore majors), UR
2009 Fall	AST 111, The Solar System and Its Origin (for Fr./So. majors), UR
2009 Spring	AST 241, Stellar Astrophysics (for Jr./Sr. majors), UR

### **Students and Postdocs Advised (or co-Advised) for Research (Active - italics)**

2022-	<i>Emily Gilbert</i> , ExEP Postdoctoral Research Associate (exoplanets, TESS, PRV)
2022-	<i>Catherine Clark</i> , ExEP Postdoctoral Research Associate (exoplanets, TESS, speckle)
2021	<i>Emma Nabbie</i> , JPL Summer Student, U. Florida (TESS star characterization)
2020	<i>Katherine Laliotis</i> , JPL Summer Student, Whitman College (radial velocities)
2019-2022	<i>Jennifer Burt</i> , ExEP Postdoctoral Research Associate (exoplanets, TESS, PRV)
2017-2019	<i>Trevor David</i> , ESI Postdoctoral Fellow (K2 young exoplanets)
2016	<i>Tyler Heintz</i> , REU student/Westminster (stellar rotation, ages)
2015-2016	<i>Alexis Klimasewski</i> , UR Class of 2018 (stellar activity)
2015	<i>Sara Denbo</i> , REU student/Michigan State (DECam image analysis)
2014-2019	<i>Sam Mellon</i> , REU student/Westminster, PhD student (disk eclipses)
2013-2015	<i>Cameron Bell</i> , postdoc (stellar ages)
2013-2015	<i>Manuel Olmedo</i> , PhD student INOAE (Kepler/GALEX UV stellar emission)
2013-2016	<i>Tanveer Karim</i> , UR Class of 2017, Goldwater Scholar (Galactic structure)
2013-2016	<i>Molly Finn</i> , UR Class of 2017, Goldwater Scholar (clustering analyses, binaries)
2013	<i>Jonathan Strumpf</i> , UR Class of 2015 (stellar modeling)
2013	Andrew Roberts, REU student/SUNY Geneseo (stellar kinematics)
2011-2016	<i>Erin Scott</i> , PhD student (circumstellar disk & eclipse modeling)
2013-2014	<i>Fan Wu</i> , UR Class of 2015 (stellar spectroscopy)
2012	<i>Melissa Butner</i> , REU student @ CTIO (stellar spectroscopy)
2011-2013	<i>Duy Nguyen</i> , postdoc (spectroscopy of young stars, abundances)
2010-2016	<i>Fred Moolekamp</i> , PhD student (eclipse modeling)
2010	<i>Matt Bourque</i> , REU student/Florida Tech (metallicity of Sco-Cen)
2010	<i>Dilyana Mihaylova</i> , UR Class of 2013 (spectral classification)
2009-2013	<i>Mark Pecaut</i> , PhD student (star formation history of Sco-Cen)
2009-2012	<i>Scott Barenfeld</i> , UR Class of 2012, Goldwater Scholar (chemokinematics)
2009-2011	<i>Eric Bubar</i> , postdoc (chemical abundances of nearby young stars)
2009-2010	<i>Julieta Gruszko</i> , UR Class of 2012 (REU; activity and ages of Sun-like stars)
2009-2010	<i>Alex Shvonski</i> , PhD student ( <i>Spitzer</i> IR survey of debris disks in 32 Ori)
2008-2012	<i>Marek Slipski</i> , UR Class of 2011 (ages of exoplanet host stars)
2008	<i>Susana Acosta</i> , UR Class of 2012 (constraints on solar mass loss history)

### **Service & Committees (Institutional, active in italics, listed first)**

2023	<i>Exoplanet Yield Modeling Tools Workshop</i> , SOC
2022-	NExSS Assessment, ex officio (for NASA Astrophysics Div.)
2019-2020	<i>NASA/NSF Extreme Precision Radial Velocity Working Group</i> , ex officio
2019	PhD Defense Committee (advisor) for grad student Sam Mellon (UR)
2018-2022	JPL Palomar Advisory Committee (JPAC)
2017	Exo-S Probe-Class Starshade Mission (Dedicated Mission) Delta/Update Study, Lead
2017-2019	<i>Origins Space Telescope</i> , STDT & Exoplanet WG, ex-officio
2017	Qualifying Exam Committee for grad student Sam Mellon (UR)
2016	PhD Defense Committee (advisor) for grad student Fred Moolekamp (UR)
2016	PhD Defense Committee (advisor) for grad student Erin Scott (UR)
2015-2016	UR Physics & Astronomy Executive Committee
2014-2016	Chair, UR Physics & Astronomy Graduate Admissions Committee (GAC)
2014-2016	UR Physics & Astronomy Steering Committee

**Service & Committees (Institutional, active in italics, listed first) (cont.)**

2013-2016	UR Physics & Astronomy Strategic Planning Committee
2012-2016	UR Physics & Astronomy Undergraduate Astronomy Advisor
2011-2016	New York Astronomical Corporation (NYAC), Institutional Representative
2010-2016	UR Physics & Astronomy Undergraduate Physics Awards Committee (UAC)
2010-2016	UR Physics & Astronomy Undergraduate Curriculum Committee (UCC)
2015-2016	PhD Defense Committee for grad student Gabrielle Tepp (UR)
2015	Qualifying Exam Committee for grad student Erica Fogerty (UR)
2015	Chair, Qualifying Exam Committee for grad student Eva Bodman (UR)
2015	UR Ad Hoc Tenure Committee
2014	Qualifying Exam Committee (advisor) for grad student Fred Moolekamp (UR)
2014	Qualifying Exam Committee (advisor) for grad student Erin Scott (UR)
2014	Chair, Qualifying Exam Committee for grad student Michelle Gregor (UR)
2014	PhD Defense Committee for grad student Shule Li (UR)
2013	PhD Defense Committee (advisor) for grad student Mark Pecaut (UR)
2013	PhD Defense Committee for grad student Kyoung Hee Kim (UR)
2013	Qualifying Exam Committee for grad student Greg Howland (UR)
2013	Qualifying Exam Committee for grad student Erin Scott (UR)
2012	Chair, Qualifying Exam Committee for grad student Alex Moore (UR)
2012	Qualifying Exam Committee for grad student Shule Li (UR)
2012	<a href="#">Blanco f/8 Secondary Mirror Recovery Effort</a> , Manager, CTIO
2012	<a href="#">SOAR 4.1-m Telescope</a> Science Advisory Committee (SAC), CTIO
2011-2012	<a href="#">Blanco 4-m Telescope</a> Scientist, CTIO
2011-2012	Hydra Multi-object Spectrograph, Deputy Support Scientist, CTIO
2011-2012	Website Committee, CTIO
2011-2013	<i>Cerro Tololo Inter-American Observatory (CTIO)</i> Facebook outreach page
2011	REU/PIA Summer Student Selection Committee, CTIO
2011	Astronomical Society of New York, Spring 2011 Meeting, UR, Local Organizing Committee, Co-chair (w/ D. Watson)
2011	UR Physics & Astronomy Colloquium Chair
2011	Qualifying Exam Committee for grad student Mark Pecaut
2010	UR Physics & Astronomy Colloquium Co-chair (w/ J. Eberly)
2010	Qualifying Exam Committee for grad student Kiwan Park
2010	Qualifying Exam Committee for grad student Justin Comparetta
2009-2011	UR Physics & Astronomy Undergraduate Astronomy Advisor
2009-2011	UR Representative to New York Astronomical Corporation (NYAC)
2009-2010	UR Astronomy Group Seminar Chair
2009	PhD Defense Committee for grad student Joel Green
2009	Qualifying Exam Committee for grad student Kyoung Hee Kim
2008-2009	UR Astronomy Group Seminar Co-chair (w/ A. Quillen)

### **Service & Committees (External, active in italics, listed first)**

- 2023- PhD Defence Committee for grad student [H.-S. Hubbard-James](#) (GSU), external member
- 2022- [IAU NameExoWorlds 2022, Steering Committee, co-chair](#)
- 2022- [IAU Division C WG Star Names, Secretary](#)
- 2020 TESS Cycle 3 GO Panel, Chair
- 2020 [Exoplanet Demographics, SOC](#)
- 2019- [NASA Exoplanet Archive User Panel, ex officio](#)
- 2019-2020 [IAU100 NameExoWorlds, Steering Committee, co-chair](#)
- 2019- [IAU Commission F2 Exoplanets and the Solar System, Organizing Committee](#)
- 2016-2022 [IAU Division C WG Star Names, Chair](#)
- 2016 PhD Defense Committee for Elizabeth Newton (Harvard), external member
- 2016 Qualifying Exam Committee for grad student Jesica Trucks (U. Toledo)
- 2015 IAU Exec. Comm. Working Group on Public Naming of Planets and Planetary Satellites
- 2011-2016 New York Astronomical Corporation, Board of Directors
- 2001- *Journal Referee: Astrophysical Journal, Astronomical Journal, Astronomy & Astrophysics, Monthly Notices Royal Astronomical Society*
- 2015 [IAU Working Group on Nominal Units for Stellar & Planetary Astronomy](#), Chair
- 2015 Canary Islands Int'l Time Programme Time Allocation Comm., external reviewer
- 2014 NSF Review Panel
- 2013 PhD Defense Committee for Dave Principe (RIT), external member
- 2013 PhD Defense Committee for Zach Berta (Harvard), external member
- 2013 CTIO Fellowship Selection Committee, external member
- 2012-2013 NOAO Time Allocation Committee
- 2012 Canadian Time Allocation Committee, external reviewer
- 2012 New Quests in Stellar Astrophysics III, session chair
- 2012 [219th AAS meeting](#), Cool Dwarfs & Brown Dwarfs session, session chair
- 2011 PhD Thesis Examiner for Simon Murphy (Australian Nat'l Univ.)
- 2011 NASA Astrophysics Data Analysis Program (ADAP), reviewer
- 2010 [215th AAS meeting](#) Chambliss Astronomy Student Award, judge
- 2010 [Spitzer Space Telescope](#) Cycle-7, Time Allocation Committee, reviewer
- 2008-2009 [258th IAU Symposium \(\*The Ages of Stars\*\)](#), proceedings lead editor
- 2008 [Gemini Telescope](#) Time Allocation Committee, external reviewer
- 2008 [Hubble Space Telescope](#) Cycle-17, Time Allocation Committee, reviewer
- 2007-2011 [NASA Star and Exoplanet Database \(NStED\)](#), user panel
- 2007 [Spitzer Space Telescope](#) Cycle-4, Time Allocation Committee, reviewer
- 2006 "Ages of Stars" Splinter Session, [Cool Stars 14 meeting](#), convener
- 2006-2007 NASA Origins of Solar Systems, external reviewer
- 2005-2006 Star & Planet Formation Journal Club (CfA), organizer
- 2003 Graduate Admissions Committee, Astronomy Dept., U. Arizona
- 2002-2003 [MIRAC](#) (Mid-Infrared Array Camera) team, observer support at Las Campanas

### **Invited Colloquia, Seminars, Conference Talks (since 2013)**

- 3/2022 Tinsley Visiting Scholars Program - U. Texas at Austin - Austin, TX -  
*Pathways to 'a Robust Sample of 25 Atmospheric Spectra of Potentially Habitable Exoplanets'*
- 2/2022 UC Riverside Astrobiology Seminar Series - Riverside, CA -  
*Pathways to 'a Robust Sample of 25 Atmospheric Spectra of Potentially Habitable Exoplanets'*
- 3/2021 University of Rochester - Center for Matter at Atomic Pressures Seminar Series (virtual) -  
*The NASA Exoplanet Exploration Program*
- 10/2020 University of Alabama - Dept. of Physics & Astronomy Colloquium (virtual) -  
*Update on NASA's Exoplanet Exploration Program (ExEP) and Science*
- 3/2019 Kepler & K2 SciCon V - Glendale, CA -  
*Small (In)temperate Planets: A Closer Look at Habitable Zone Terrestrial-sized Planet Candidates*
- 3/2019 Extreme Precision in Radial Velocity IV - Grindelwald, Switzerland -  
*NASA Exoplanet Exploration Program and Precision Radial Velocity*
- 12/2018 UC San Diego Center for Astrophysics and Space Sciences - San Diego, CA -  
*Update on NASA Exoplanet Exploration Program (ExEP) and Science*
- 7/2018 [Sagan Workshop - Pasadena, CA - Ages and Stellar Properties](#)
- 1/2018 K2 & TESS Splinter Meeting at 231st AAS - Nat'l Harbor, MD -  
*The Kepler/K2 Revolution and Prospects for TESS*
- 1/2018 ExoPAG 17 - Nat'l Harbor, MD - *ExEP Science Plan*
- 6/2017 Kepler & K2 Science Conference IV - NASA Ames -  
*Kepler/K2 in the Context of Future Exoplanet Missions*
- 8/2017 Extreme Precision Radial Velocity III - State College, PA -  
*Precision Radial Velocities and the NASA Exoplanet Exploration Program*
- 3/2017 UCLA ESS IPLEX seminar - Los Angeles - *A Transiting Extrasolar Ring System*
- 1/2017 Pasadena City College - Von Karman Lecture - *Exoplanets: The Quest for Strange New Worlds*
- 1/2017 [JPL Von Karman Lecture - Exoplanets: The Quest for Strange New Worlds](#)
- 10/2016 ExoSoCal - Caltech - Pasadena CA - *NASA Exoplanet Exploration Program*
- 4/2016 IAS - Princeton - *A Transiting Extrasolar Ring System*
- 1/2016 Cornell - Ithaca CA - *A Transiting Extrasolar Ring System*
- 12/2015 Universidad Diego Portales - Santiago, Chile - *A Transiting Extrasolar Ring System*
- 10/2015 NASA JPL - Pasadena CA - *A Transiting Extrasolar Ring System*
- 10/2015 NASA Ames/SOFIA - Mountain View CA - *A Transiting Extrasolar Ring System*
- 8/2015 IAU Division F - Honolulu - *A Transiting Extrasolar Ring System*
- 5/2015 IAU Symposium 314 - Atlanta - *Pre-Gaia Census of Nearby Young Stellar Groups*
- 4/2015 Carnegie Observatories - Pasadena - *A Transiting Extrasolar Ring System*
- 7/2014 INAOE - Puebla, Mex. - *Stellar Ages*
- 7/2014 INAOE - Puebla, Mex. - *The Giant Ring System Seen in Eclipse Around J1407b*
- 1/2014 Univ. of Texas-Austin, Astronomy Colloquium - Austin, TX  
*The Unusual Eclipser of the Young Star J1407: Moon-Forming Circumplanetary Disk?*
- 9/2013 University of Rochester, Physics & Astro. Dept. Colloquium - Rochester, NY  
*Ages of Stars*
- 3/2013 Penn State, Astro. Dept. Colloquium - State College, PA  
*Surprises in the Nearest OB Association*
- 2/2013 UNC Chapel Hill, Physics & Astro. Dept. Colloquium, Chapel Hill, NC  
*Surprises in the Nearest OB Association*

### Additional Talks (since 2010)

- 8/2017 [Astronomy on Tap - State College, PA](#)  
[Exoplanets and the NASA Exoplanet Exploration Program](#)
- 6/2017 San Jose Astronomy - San Jose, CA (Houge Park; w/J. Dotson)  
*Strange New Worlds: Exploring Exoplanets with NASA's Kepler/K2 Mission and Beyond*
- 4/2017 AbSciCon 2017 - Tempe, AZ - *NASA Exoplanet Exploration Program Update*
- 4/2016 Rochester Academy of Science - Rochester, NY - *A Tour of Our Galactic Neighborhood*
- 6/2015 University of Rochester, seminar for REU summer research students  
*Some Recent Astronomical Discoveries*
- 5/2015 Astro. Sec. of the Rochester Acad. of Sci. - RIT  
*Some Recent Astronomical Discoveries*
- 3/2015 Webster Thomas H.S., Earth Science Enrichment classes, Webster, NY
- 3/2015 Dr. Walter Cooper Academy, 1st grade class, Rochester City Schools
- 10/2014 American Chemical Society banquet, *Ages of Stars*
- 6/2014 University of Rochester, seminar for REU summer research students  
*Formation and Evolution of Stars and Planetary Systems*
- 10/2013 Astronomical Society of New York, Union College  
*The Unusual Eclipser of the Young Star J1407*
- 6/2013 University of Rochester, seminar for REU summer research students
- 4/2013 University of Rochester, seminar for grad students
- 11/2012 University of Rochester, astronomy club seminar, *Exoplanets*
- 6/2011 University of Rochester, seminar for REU summer research students  
*Formation and Evolution of Stars and Planets*
- 4/2011 University of Rochester, invited seminar for 1st year grad students
- 3/2011 University of Rochester, Pi Day, invited talk - *Pi in Astronomy*
- 2/2011 University of Rochester, invited seminar for visiting prosp. grad. students  
*Formation and Evolution of Stars and Planetary Systems*
- 8/2010 Astro. Sec. of the Rochester Acad. of Sci. - Ionia, NY  
*Young Stars Near Earth*
- 8/2010 Cornell meeting of NY astronomers studying young stars - Ithaca, NY  
*2010 Census of Young Stellar Groups Within 100 pc*
- 7/2010 Mees Observatory evening talk - Bristol, NY  
*Some Recent Astronomical Discoveries*
- 7/2010 University of Rochester, seminar for REU summer research students  
*Formation and Evolution of Stars and Planets*
- 6/2010 Odyssey High School Physics class - astronomy talk - Gates, NY  
*Stars, Planets, & Exoplanets*
- 6/2010 Leiden Observatory lunch talk - Leiden, Netherlands  
*An Update on the MMT/AO Planet Imaging Survey of the Nearest A Stars*
- 1/2010 AstroBio2010 - Santiago, Chile  
*What Can Nearby Young Stars Tell Us About Star and Planet Formation*

## Bibliography of Publications

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15095	<a href="#">Total citations</a>
11844	Citations to $n^{\text{th}}$ -author publications
3251	<a href="#">Citations to 1st author papers</a>
202	Refereed publications (20 1st-author, 182 $n^{\text{th}}$ -author)
63	<a href="#">Hirsch <math>h</math>-index</a> (i.e. 63 publications with $\geq 63$ citations)
173	$i_{10}$ -index (i.e. 173 publications with $\geq 10$ citations)
2.42	Hirsch $m$ -index = $h/(t_{\text{now}} - t_{1\text{st pub.}}) = 63/(2023-1997)$

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Last updated 24 April 2022. The listed citation counts are from [Astrophysics Data System \(ADS\)](#). The names of advisees (e.g. undergrads, PhD students, postdocs, etc.) are underlined. Links to selected press coverage are also provided.

### Book (Edited)

*The Ages of Stars, Proceedings of International Astronomical Union Symposium No. 258*  
edited by **E. E. Mamajek**, D. R. Soderblom, & R. F. G. Wyse. Cambridge, UK: [Cambridge University Press](#), 2009 (490 pgs.; ISBN-13 978-0521889896) ([Amazon](#))

### First-Author Refereed Publications

- A20. *Public Naming of Exoplanets and Their Stars: Implementation and Outcomes of the IAU100 NameExoWorlds Global Project*  
**Mamajek, E.**, Meloy Elmegreen, D., Lecavelier des Etangs, A., Lindberg Christensen, L., Monfardini Penteadó, E., Yamaoka, H., Williams, G., Anglada-Escudé, G., 2020, *Communicating Astronomy with the Public Journal*, 28, 22
- A19. *Gamma Cassiopeiae and HR 266: A Massive Septuplet Illuminating the IC 59 and IC 63 Nebulae at  $d = 168$  pc*  
**Mamajek, E. E.**, 2017, *Journal of Double Star Observations*, 13, 264-267 (3 citations)
- A18. *The Closest Known Flyby of a Star to the Solar System*  
**Mamajek, E. E.**, Barenfeld, S. A., Ivanov, V. D., Kniazev, A. Y., Väisän, P., Beletsky, Y. & Boffin, H. M. J., 2015, *Astrophysical Journal Letters*, 800, L17 (44 citations)  
[UR Press Release](#), [BBC](#), [Space.com](#), [Scientific American](#), [NBC](#), [CBC Radio](#), [Discovery News](#)
- A17. *On the Age of the  $\beta$  Pictoris Moving Group*  
**Mamajek, E. E.** & Bell, C. P. M. 2014, *MNRAS*, 445, 2169 (203 citations)
- A16. *The Solar Neighborhood. XXX. Fomalhaut C*  
**Mamajek, E. E.**, Bartlett, J. L., Seifahrt, A., Henry, T. J., Dieterich, S. B., Lurie, J. C., Kenworthy, M. A., Jao, W.-C., Reidel, A. R., Subasavage, J. P., Winters, J. G., Finch, C. T., Ianna, P. A., Bean, J., 2013, *AJ*, 146, 154 (75 citations)  
[UR Press Release](#), [Sky & Telescope](#), [RedOrbit](#), [Nature World News](#)

- A15. *On the Age and Binarity of Fomalhaut*  
**Mamajek, E. E.**, 2012, ApJ, 754, L20 (118 citations)
- A14. *Planetary Construction Zones in Occultation: Eclipses by Circumsecondary and Circumplanetary Disks and a Candidate Eclipse of a Pre-main Sequence Star in Sco-Cen*  
**Mamajek, E. E.**, Quillen, A. C., Pecaut, M., Moolekamp, F., Scott, E., Kenworthy, M., Collier Cameron, A., & Parley, N., 2012, AJ, 143, 72 (91 citations)  
New York Times (mention of discovery upon 5000th exoplanet, April 2022)
- A13. *On the Nature of the Common Proper Motion Companions to the Exoplanet Host Star 51 Peg*  
**Mamajek, E. E.**, 2010, AN, 331, 704 (1 citation)
- A12. *Discovery of a Faint Companion to Alcor Using MMT/AO 5 $\mu$ m Imaging*  
**Mamajek, E. E.**, Kenworthy, M. A., Hinz, P. M., & Meyer, M. R., 2010, AJ, 139, 919 (29 citations)  
UR Press Release, USA Today, Sky & Telescope, The Register
- A11. *Improved Age Estimation for Solar-Type Dwarfs Using Activity-Rotation Diagnostics*  
**Mamajek, E. E.** & Hillenbrand, L. A., 2008, ApJ, 687, 1264 (931 citations)
- A10. *On the Distance to the Ophiuchus Star-Forming Region*  
**Mamajek, E. E.**, 2008, AN, 329, 10 (115 citations)
- A9. *An Improbable Solution to the Underluminosity of 2M1207B: A Hot Protoplanet Collision Afterglow*  
**Mamajek, E. E.** & Meyer, M. R., 2007, ApJ, 668, L175 (30 citations)
- A8. *A New Nearby Candidate Star Cluster in Ophiuchus at  $d = 170$  pc*  
**Mamajek, E. E.** 2006, AJ, 132, 2198 (5 citations)
- A7. *Erratum: "Post-T Tauri Stars in the Nearest OB Association" (AJ, 124, 1670 [2002])*  
**Mamajek, E. E.**, Meyer, M. R., & Liebert, J. L. 2006, AJ, 131, 2360 (19 citations)
- A6. *A Moving Cluster Distance to the Exoplanet 2M1207B in the TW Hya Association*  
**Mamajek, E. E.** 2005, ApJ, 634, 1385 (189 citations)
- A5. *Constraining the Lifetime of Circumstellar Disks in the Terrestrial Planet Zone: A Mid-Infrared Survey of the 30 Myr-old Tucana-Horologium Association*  
**Mamajek, E. E.**, Meyer, M. R., Hinz, P. M., Hoffmann, W. H., Cohen, M., Hora, J. L. 2004, ApJ, 612, 496 (95 citations)
- A4. *Post-T Tauri Stars in the Nearest OB Association*  
**Mamajek, E. E.**, Meyer, M. R., & Liebert, J. L. 2002, AJ, 124, 1670 (247 citations)
- A3. *The  $\eta$  Chamaeleontis Cluster: Origin in the Sco-Cen OB Association*  
**Mamajek, E. E.**, Lawson, W. A., & Feigelson, E. D. 2000, ApJ, 544, 356 (120 citations)

- A2. *A Radio Survey of Older T Tauri Stars in the  $\eta$  Chamaeleontis Cluster*  
**Mamajek, E. E.**, Lawson, W. A., & Feigelson, E. D. 1999, Pub. Ast. Soc. Aus., 16, 257 (14 citations)
- A1. *The  $\eta$  Chamaeleontis Cluster: A Remarkable New Nearby Young Open Cluster*  
**Mamajek, E.**, Lawson, W. A., & Feigelson, E. D. 1999, ApJ, 516, L77 (172 citations)

### Other Refereed Publications

- B182. *Doppler Constraints on Planetary Companions to Nearby Sun-like Stars: An Archival Radial Velocity Survey of Southern Targets for Proposed NASA Direct Imaging Missions*  
Laliotis, K., Burt, J. A., **Mamajek, E. E.**, Li, X., Perdelwitz, V., Zhao, J., Butler, R. P., Holden, B., Rosenthal, L., Fulton, B. J., Feng, F., Kane, S. R., Bailey, J., Carter, B., Crane, J. D., Furlan, E., Gnilka, C. L., Howell, S. B., Laughlin, G., Shectman, S. A., Teske, J. K., Tinney, C. G., Vogt, S. S., Wang, S. X., Wittenmyer, R. A., 2023, AJ, 165, 176 ([arXiv:2302.10310](https://arxiv.org/abs/2302.10310)) (1 citation)
- B181. *Simulations for Planning Next-generation Exoplanet Radial Velocity Surveys*  
Newman, P. D., Plavchan, P., Burt, J. A., Teske, J., **Mamajek, E. E.**, Leifer, S., Gaudi, B. S., Blackwood, G., Morgan, R., 2023, AJ, 165, 151 ([arXiv:2204.13968](https://arxiv.org/abs/2204.13968)) (3 citations)
- B180. *Disk Evolution Study Through Imaging of Nearby Young Stars (DESTINYs): Characterization of the Young Star T CrA and its Circumstellar Environment*  
Rigliaco, E., Gratton, R., Ceppi, S., Ginski, C., Hogerheijde, M., Benisty, M., Birnstiel, T., Dima, M., Facchini, S., Garufi, A., Bae, J., Langlois, M., Lodato, G., **Mamajek, E.**, Manara, C. F., Ménard, F., Ribas, A., Zurlo, A., 2023, A&A, 671, A82 ([arXiv:2301.01486](https://arxiv.org/abs/2301.01486)) (1 citations)
- B179. *A Second Earth-sized Planet in the Habitable Zone of the M Dwarf, TOI-700*  
Gilbert, E. A., Vanderburg, A., Rodriguez, J. E., Hord, B. J., Clement, M. S., Barclay, T., Quintana, E. V., Schlieder, J. E., Kane, S. R., Jenkins, J. M., Twicken, J. D., Kunimoto, M., Vanderspek, R., Arney, G. N., Charbonneau, D., Günther, M. N., Huang, C. X., Isopi, G., Kostov, V. B., Kristiansen, M. H., Latham, D. W., Mallia, F., **Mamajek, E. E.**, Mireles, I., Quinn, S. N., Ricker, G. R., Schulte, J., Seager, S., Suissa, G., Winn, J. N., Youngblood, A., & Zapparata, A., 2023, ApJ, 944, L35 ([arXiv:2301.03617](https://arxiv.org/abs/2301.03617))
- B178. *TOI-1075 b: A Dense, Massive, Ultra-short-period Hot Super-Earth Straddling the Radius Gap*  
Essack, Z., Shporer, A., Burt, J. A., Seager, S., Cambioni, S., Lin, Z., Collins, K. A., **Mamajek, E. E.**, Stassun, K. G., Ricker, G. R., Vanderspek, R., Latham, D. W., Winn, J. N., Jenkins, J. M., Butler, R. P., Charbonneau, D., Collins, K. I., Crane, J. D., Gan, T., Hellier, C., Howell, S. B., Irwin, J., Mann, A. W., Ramadhan, A., Shectman, S. A., Teske, J. K., Yee, S. W., Mireles, I., Quintana, E. V., Tenenbaum, P., Torres, G., Furlan, E., 2023, AJ, 165, 47 ([arXiv:2210.14901](https://arxiv.org/abs/2210.14901)) (1 citation)
- B177. *Launch of NameExoWorlds 2022 Competition*  
Canas, L., Tancredi, G., **Mamajek, E. E.**, Tangmatitham, M., Christensen, L. L., 2022, Communicating Astronomy with the Public Journal, 31, 6

- B176. *A Scaled-up Planetary System Around a Supernova Progenitor*  
Squicciarini, V., Gratton, R., Janson, M., **Mamajek, E. E.**, Chauvin, G., Delorme, P., Langlois, M., Vigan, A., Ringqvist, S. C., Meeus, G., Reffert, S., Kenworthy, M., Meyer, M. R., Bonnefoy, M., Bonavita, M., Mesa, D., Samland, M., Desidera, S., D'Orazi, V., Engler, N., Alecian, E., Miglio, A., Henning, T., Quanz, S. P., Mayer, L., Flasseur, O., Marleau, G.-D., 2022, *A&A*, 664, A9 ([arXiv:2205.02279](https://arxiv.org/abs/2205.02279)) (6 citations)
- B175. *TESS Hunt for Young and Maturing Exoplanets (THYME). VI. An 11 Myr Giant Planet Transiting a Very-low-mass Star in Lower Centaurus Crux*  
Bohn, A. J., Ginski, C., Kenworthy, M. A., **Mamajek, E. E.**, Meshkat, T., Pecaution, M. J., Reggiani, M., Seay, C. R., Brown, A. G. A., Cugno, G., Henning, T., Launhardt, R., Quirrenbach, A., Rickman, E. L., Ségransan, D., 2022, *AJ*, 163, 156 ([arXiv:2110.09531](https://arxiv.org/abs/2110.09531)) (6 citations)
- B174. *K2 discovery of a circumsecondary disk transiting EPIC 220208795*  
van der Kamp, L., van Dam, D. M., Kenworthy, M. A., **Mamajek, E. E.**, Pojmański, G., 2022, *A&A*, 658, A38 ([arXiv:2110.15086](https://arxiv.org/abs/2110.15086))
- B173. *Unveiling wide-orbit companions to K-type stars in Sco-Cen with Gaia EDR3*  
Bohn, A. J., Ginski, C., Kenworthy, M. A., **Mamajek, E. E.**, Meshkat, T., Pecaution, M. J., Reggiani, M., Seay, C. R., Brown, A. G. A., Cugno, G., Henning, T., Launhardt, R., Quirrenbach, A., Rickman, E. L., Ségransan, D., 2022, *A&A*, 657, A53 ([arXiv:2109.09185](https://arxiv.org/abs/2109.09185))
- B172. *A wide-orbit giant planet in the high-mass b Centauri binary system*  
Janson M., Gratton R., Rodet L., Vigan A., Bonnefoy M., Delorme P., **Mamajek E. E.**, Reffert, S., Stock, L., Marleau, G.-D., Langlois, M., Chauvin, G., Desidera, S., Ringqvist, S., Mayer, L., Viswanath, G., Squicciarini, V., Meyer, M. R., Samland, M., Petrus, S., Helled, R., Kenworthy, M. A., Quanz, S. P., Biller, B., Henning, T., Mesa, D., Engler, N., Carson, J. C., 2021, *Nature*, 600, 231 ([arXiv:2112.04833](https://arxiv.org/abs/2112.04833)) (1 citation) (*Astronomy*)
- B171. *TOI-1231 b: A Temperate, Neptune-sized Planet Transiting the Nearby M3 Dwarf NLTT 24399*  
Burt, J. A., Dragomir, D., Mollière, P., Youngblood, A., García Muñoz, A., McCann, J., Kreidberg, L., Huang, C. X., Collins, K. A., Eastman, J. D., Abe, L., Almenara, J. M., Crossfield, I. J. M., Ziegler, C., Rodriguez, J. E., **Mamajek, E. E.**, Stassun, K. G., Halverson, S. P., Villanueva, S., Butler, R. P., Wang, S. X., Schwarz, R. P., Ricker, G. R., Vanderspek, R., Latham, D. W., Seager, S., Winn, J. N., Jenkins, J. M., Agabi, A., Bonfils, X., Ciardi, D., Cointepas, M., Crane, J. D., Crouzet, N., Dransfield, G., Feng, F., Furlan, E., Guillot, T., Gupta, A. F., Howell, S. B., Jensen, E. L. N., Law, N., Mann, A. W., Marie-Sainte, W., Matson, R. A., Matthews, E. C., Mékarnia, D., Pepper, J., Scott, N., Shectman, S. A., Schlieder, J. E., Schmitter, F.-X., Stevens, D. J., Teske, J. K., Triaud, Amaury, H. M. J., Charbonneau, D., Berta-Thompson, Z. K., Burke, C. J., Daylan, T., Barclay, T., Wohler, B., Brasseur, C. E., 2020, *AJ*, 162, 87 ([arXiv:2105.08077](https://arxiv.org/abs/2105.08077)) (3 citations)
- B170. *A Search for Transiting Companions in the J1407 (V1400 Cen) System*  
Barmantloo, S., Dik, C., Kenworthy, M. A., **Mamajek, E. E.**, Hamsch, F.-J., Reichart, D. E., Rodriguez, J. E., van Dam, D. M., 2021, *A&A*, 652, 117 ([arXiv:2106.15902](https://arxiv.org/abs/2106.15902))

- B169. *The  $^{13}\text{CO}$ -rich Atmosphere of a Young Accreting Super-Jupiter*  
Zhang, Y., Snellen, I. A. G., Bohn, A. J., Mollière, P., Ginski, C., Hoeijmakers, H. J., Kenworthy, M. A., **Mamajek, E. E.**, Meshkat, T., Reggiani, M., Snik, F., 2021, AJ, Nature, 595, 370 ([arXiv:2107.06297](#)) (3 citations)
- B168. *A Detailed Characterization of HR 8799's Debris Disk with ALMA in Band 7*  
Faramaz, V., Marino, S., Booth, M., Matrà, L., **Mamajek, E. E.**, Bryden, G., Stapelfeldt, K. R., Casassus, S., Cuadra, J., Hales, A. S., Zurlo, A., 2021, AJ, 161, 271 ([arXiv:2104.02088](#)) (8 citations)
- B167. *SpiKeS: Precision Warm Spitzer Photometry of the Kepler Field*  
Werner, M. W., Gorjian, V., Morales, F. Y., Livingston, J. H., Kennedy, G. M., Akeson, R. L., Beichman, C., Ciardi, D. R., Furlan, E., Lowrance, P. J., **Mamajek, E. E.**, Plavchan, P., Stark, C. C., Wyatt, M. C., 2021, ApJS, 254, 11
- B166. *Discovery of an Edge-on Circumstellar Debris Disk around BD+45° 598: A Newly Identified Member of the  $\beta$  Pictoris Moving Group*  
Hinkley, S., Matthews, E. C., Lefevre, C., Lestrade, J-F., Kennedy, G., Mawet, D., Stapelfeldt, K. R., Ray, S., **Mamajek, E.**, Bowler, B. P., Wilner, D., Williams, J., Ansdell, M., Wyatt, M., Lau, A., Phillips, M. W., Fernandez, J., Gagné, J., Bubb, E., Sutcliffe, B. J., Wilson, T. J. G., Matthews, B., Ngo, H., Piskorz, D., Crepp, J. R., Gonzalez, E., Mann, A. W., Mace, G., 2021, ApJ, 912, 115 ([arXiv:2103.12824](#)) (3 citations)
- B165. *Faster Exo-Earth yield for HabEx and LUVOIR via extreme precision radial velocity prior knowledge*  
Morgan, R., Savransky, D., Turmon, M., Mennesson, B., Dula, W., Keithly, D., **Mamajek, E. E.**, Newman, P., Plavchan, P., Robinson, T. D., Roudier, G., Stark, C., 2021, JATIS, 7, 021220
- B164. *Discovery of a Directly Imaged Planet to the Young Solar Analog YSES 2*  
Bohn, A. J., Ginski, C., Kenworthy, M. A., **Mamajek, E. E.**, Pecaut, M. J., Mugrauer, M., Vogt, N., Adam, C., Meshkat, T., Reggiani, M., Snik, F., 2021, A&A, 648, 73 ([arXiv:2104.08285](#)) (9 citations)
- B163. *The  $\beta$  Pictoris b Hill Sphere Transit Campaign. I. Photometric Limits to Dust and Rings*  
Kenworthy, M. A., Mellon, S. N., Bailey, J. I., Stuik, R., Dorval, P., Talens, G. J. J., Crawford, S. R., **Mamajek, E. E.**, Laginja, I., Ireland, M., Lomberg, B., Kuhn, R. B., Snellen, I., Zwintz, K., Kuschnig, R., Kennedy, G. M., Abe, L., Agabi, A., Mekarnia, D., Guillot, T., Schmider, F., Stee, P., de Pra, Y., Buttu, M., Crouzet, N., Kalas, P., Wang, J. J., Stevenson, K., de Mooij, E., Lagrange, A.-M., Lacour, S., Lecavelier des Etangs, A., Nowak, M., Strøm, P. A., Hui, Z., Wang, L., 2021, A&A, 648, 15 ([arXiv:2102.05672](#)) (2 citations)
- B162. *Disk Evolution Study Through Imaging of Nearby Young Stars (DESTINYs): Late Infall Causing Disk Misalignment and Dynamic Structures in SU Aur*  
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- B161. *Three New Late-type Stellar Companions to Very Dusty WISE Debris Disks Identified with SPHERE Imaging*  
Matthews, E. C., Hinkley, S., Stapelfeldt, K., Vigan, A., Mawet, D., Crossfield, I.J. M., David, T. J., **Mamajek, E.**, Meshkat, T., Morales, F., Padgett, D., AJ, 161, 78 ([arXiv:2012.03980](https://arxiv.org/abs/2012.03980))
- B160. *BEAST begins: sample characteristics and survey performance of the B-star Exoplanet Abundance Study*  
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- B159. *Origins Space Telescope science drivers to design traceability*  
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- B158. *Origins Space Telescope: baseline mission concept*  
Leisawitz, D., and 95 coauthors including **Mamajek, E.**, 2021, JATIS, 7, 011002 (6 citations)
- B157. *A Collage of Small Planets from the Lick-Carnegie Exoplanet Survey: Exploring the Super-Earth and Sub-Neptune Mass Regime*  
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- B156. *An Asymmetric Eclipse Seen toward the Pre-main-sequence Binary System V928 Tau*  
van Dam, D. M., Kenworthy, M. A., David, T. J., Mamajek, E. E., Hillenbrand, L. A., Cody, A. M., Howard, A. W., Isaacson, H., Ciardi, D. R., Rebull, L. M., Stauffer, J. R., Patel, R., Cameron + WASP Collaborators, A. C., Rodriguez, J. E., Pojmański, G., Gonzales, E. J., Schlieder, J. E., Hamsch, F-J. Dufoer, S., Vanmunster, T., Dubois, F., Vanaverbeke, S., Logie, L., Rau, S., 2020, AJ, 160, 285 ([arXiv:2010.11199](https://arxiv.org/abs/2010.11199)) (2 citations)
- B155. *The  $\mu$  Tau Association: A 60 Myr-Old Coeval Group at 150 pc from the Sun*  
Gagné, J., David, T. J., **Mamajek, E. E.**, Mann, A. W., Faherty, J. K., Bédard, A., ApJ, in press ([arXiv:2008.06139](https://arxiv.org/abs/2008.06139)) (J. Gagné Blog)

- B154. *TESS Hunt for Young and Maturing Exoplanets (THYME). III. A Two-planet System in the 400 Myr Ursa Major Group*  
Mann, A. W., Johnson, M. C., Vanderburg, A., Kraus, A. L., Rizzuto, A. C., Wood, M. L., Bush, J. L., Rockcliffe, K., Newton, E. R., Latham, D. W., **Mamajek, E. E.**, Zhou, G., Quinn, S. N., Thao, P. C., Benatti, S., Cosentino, R., Desidera, S., Harutyunyan, A., Lovis, C., Mortier, A., Pepe, F. A., Poretti, E., Wilson, T. G., Kristiansen, M. H., Gagliano, R., Jacobs, T., LaCourse, D. M., Omohundro, M., Schwengeler, H. M., Terentev, I. A., Kane, S. R., Hill, M. L., Rabus, M. L., Esquerdo, G. A., Berlind, P., Collins, K. A., Murawski, G., Sallam, N. H., Aitken, M. M., Massey, B., Ricker, G. R., Vanderspek, R., Seager, S., Winn, J. N., Jenkins, J. M., Barclay, T., Caldwell, D. A., Dragomir, D., Doty, J. P., Glidden, A., Tenenbaum, P., Torres, G., Twicken, J. D., Villanueva, S., Jr., 2020, *AJ*, 160, 179 ([arXiv:2005.00047](https://arxiv.org/abs/2005.00047)) (37 citations)
- B153. *TOI-824b: A New Planet on the Lower Edge of the Hot Neptune Desert*  
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- B152. *Disk Evolution Study Through Imaging of Nearby Young Stars (DESTINYs): A close low mass companion to ET Cha*  
Ginski, C., Ménard, F., Rab, Ch., **Mamajek, E. E.**, van Holstein, R. G., Benisty, M., Manara, C. F., Asensio Torres, R., Bohn, A., Birnstiel, T., Delorme, P., Facchini, S., Garufi, A., Gratton, R., Hogerheijde, M., Huang, J., Kenworthy, M., Langlois, M., Pinilla, P., Pinte, C., Ribas, Á, Rosotti, G., Schmidt, T. O. B., van den Ancker, M., Wahhaj, Z., Waters, L. B. F. M., Williams, J., Zurlo, A., 2020, *A&A*, in press ([arXiv:2007.05274](https://arxiv.org/abs/2007.05274))
- B151. *The White Dwarf Opportunity: Robust Detections of Molecules in Earth-like Exoplanet Atmospheres with the James Webb Space Telescope*  
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- B150. *A Geologically Robust Procedure for Observing Rocky Exoplanets to Ensure that Detection of Atmospheric Oxygen Is a Modern Earth-like Biosignature*  
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- B149. *Two Directly Imaged, Wide-orbit Giant Planets around the Young, Solar Analog TYC 8998-760-1*  
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- B148. [WISEA J041451.67-585456.7 and WISEA J181006.18-101000.5: The First Extreme T-type Subdwarfs?](#)  
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- B147. [Pleiades or Not? Resolving the Status of the Lithium-rich M Dwarfs HHJ 339 and HHJ 430](#)  
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- B146. [Characterization of the Nucleus, Morphology, and Activity of Interstellar Comet 2I/Borisov by Optical and Near-infrared GROWTH, Apache Point, IRTF, ZTF, and Keck Observations](#)  
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- B145. [The Gaia Ultra-Cool Dwarf Sample - III: seven new multiple systems containing at least one Gaia DR2 ultracool dwarf](#)  
Marocco, F., Smart, R. L., **Mamajek, E. E.**, Sarro, L. M., Burgasser, A. J., Caballero, J. A., Rees, J. M., Caselden, D., Cruz, K. L., Van Linge, R., Pinfield, D. J., 2020, MNRAS, 494, 4891 ([arXiv:2004.04132](#)) (5 citations)
- B144. [Erratum: "A WISE Survey of Circumstellar Disks in the Upper Scorpius Association" \(2018, AJ, 156, 75\)](#)  
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- B143. [MASCARA-4 b/bRing-1b - A retrograde hot Jupiter around a bright A-type star](#)  
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- B12. *The Formation and Evolution of Planetary Systems: First Results from a Spitzer Legacy Science Program*  
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- B11. *A Resolved Circumstellar Disk Around the Herbig Ae Star HD 100546 in the Thermal Infrared*  
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- B10. *Spatially Resolved Circumnuclear Dust in Centaurus A*  
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- B9. *An Adaptive Optics Survey of M6.0-M7.5 Stars: Discovery of Three Very Low Mass Binary Systems Including Two Probable Hyades Members*  
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- B8. *Mass and Kinetic Energy of the Homunculus Nebula Around Eta Carinae*  
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- B7. *Infrared Study of the  $\eta$  Chamaeleontis Cluster and the Longevity of Circumstellar Discs*  
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- B6. *A Disrupted Circumstellar Torus inside  $\eta$  Carinae's Homunculus Nebula*  
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- B5. *ECHA J0843.3-7905: Discovery of an 'Old' Classical T Tauri Star in the  $\eta$  Chamaeleontis Cluster*  
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- B4. *Observational Tests and Predictive Stellar Evolution*  
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- B3. *Gliese 596B: A Young Multiple Brown Dwarf System?*  
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- B2. *The  $\eta$  Chamaeleontis Cluster: Photometric Study of the ROSAT-detected Weak-lined T Tauri Stars*  
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- C29. *WISE J064336.71-022315.4: A Thick-disk L8 Brown Dwarf Discovered by Gaia DR2 at 13.9 pc*  
**Mamajek, E. E.**, Marocco, F., Rees, J. M., Smart, R. L., Cooper, W. J., & Burgasser, A. J. 2018, RNAAS, 2, 205 ([arXiv:1811.03477](https://arxiv.org/abs/1811.03477)) (17 citations)
- C28. *Kinematics of the Interstellar Vagabond 1I/Oumuamua (A/2017 U1)*  
**Mamajek, E. E.**, 2017, RNAAS, 1, 21 ([arXiv:1710.11364](https://arxiv.org/abs/1710.11364)) (33 citations)
- C27. *ANTARES Neutrino Detection: Kinematic Evidence that the Swift/XRT X-ray Counterpart is a Likely Upper Sco Member*  
**Mamajek, E. E.**, 2015, The Astronomer's Telegram, #8124
- C26. *A Pre-Gaia Census of Nearby Stellar Groups*  
**Mamajek, E. E.**, 2015, IAU Symposium 314, eds. J. H. Kastner, B. Stelzer, & S. A. Metchev (2 citations)
- C25. *Proposed Nomenclature for Surface Features on Pluto and Its Satellites and Names for Newly Discovered Satellites*  
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- C24. *Logarithm of Effective Temperature Versus Radius for Zero-Age Main Sequence Stars (0.1-2.0 Msun)*  
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- C19. *Converting Tycho V and 2MASS H to Johnson V Magnitude*  
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- C17. *Reason to Doubt the Hipparcos Distance and the Close Flyby Scenario for the "Rogue Star" HIP 85605*  
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- C16. *Canopus B: A Candidate Common Proper Motion Companion to the Second Brightest Star*  
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- C15. *The Sun Rotates Normally For its Age*  
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- C12. *Published Distances to the Pleiades Clusters (1970-2014)*  
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- C10. *Beta Pic Moving Group: HR Diagram and Pre-Main Sequence Isochrones for A/F-type Members*  
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- C9. *HD 32297: HR Diagram Position for a Resolved Debris Disk Star*  
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- C8. *On the Nearby Binary Brown Dwarf WISE J104915.57-531906.1 (Luhman 16)*  
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- C6. *How Accurately Can We Age-date Solar-type Dwarfs Using Activity/Rotation Diagnostics?*  
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- C5. *A Splinter Session on the Thorny Problem of Stellar Ages*  
**Mamajek, E. E.**, Barrado y Navascués, D., Randich, S., Jensen, E. L. N., Young, P. A., Miglio, A., & Barnes, S. A. 2007, Cool Stars and Stellar Systems 14, ASP Conf. Ser. Vol. 384, p. 374, ed. G. van Belle (7 citations)
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- C3. *Proper Motions as an Underutilized Tool for Estimating Distances and Ages for Nearby, Young Stars*  
**Mamajek, E. E.** 2005, Astrometry in the Age of the Next Generation of Large Telescopes, ASP Conf. Series, Vol. 338, eds. P. K. Seidemann & A. K. B., Monet, p. 280
- C2. *Solar-Type Post-T Tauri Stars in the Nearest OB Subgroups*  
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- C1. *The Dispersal of Young Stars and the Greater Sco-Cen Association*  
**Mamajek, E. E.** & Feigelson, E. D. 2001, Young Stars Near Earth: Progress and Prospects, ASP Conf. Ser. Vol. 244, p. 104 (26 citations)

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- D3. *Identification and Characterization of Young, Nearby, Solar-type Stars*  
**Mamajek, E. E.** 2004, Ph.D. Thesis, The University of Arizona  
 advisor: Michael R. Meyer (2 citations)
- D2. *The  $\eta$  Chamaeleontis Star Cluster: Discovery, Characteristics and Origin*  
**Mamajek, E. E.** 1999, M.Sc. Thesis, University of New South Wales/ADFA  
 advisor: Warrick A. Lawson
- D1. *A Method for Quantifying the Focal-Ratio Degradation Properties of Optical Fibers*  
**Mamajek, E. E.** 1998, B.Sc. Thesis, Pennsylvania State University  
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### First-Author Posters & Published Conference Abstracts for Talks

- E21. *NASA ExEP Mission Star List of Plausible Targets for a Future IROUV Direct Imaging Space Observatory*  
**Mamajek, E. & Stapelfeldt, K.**, 2023, AAS Meeting #241, 116.07
- E20. *The NASA Exoplanet Exploration Program: Update and Prospects for the 2020's and Beyond*  
**Mamajek, E. E.**, Blackwood, G., Short, K., Stapelfeldt, K., Siegler, N., Crill, B., Warfield, K., Callas, J.L., Willems, P., Biferno, A., Hudgins, D., Still, M., Habib, S., & Beichman, C., 2019, Extreme Solar Systems 4, 330.22 (BAAS, 51, 6)
- E19. *Discovery of a Transiting Adolescent Sub-Neptune Exoplanet in the Cas-Tau Association With K2*  
**Mamajek, E. E.**, David, T., Bieryla, A., Bristow, M., Ciardi, D., Cody, A. M., Crossfield, I., Fulton, B., Jasmine Gonzales, E., Hillenbrand, L., Hirsch, L., Howard, A., Isaacson, H., Latham, D. W., Petigura, E., Rebull, L., Schlieder, J., Stauffer, J., Vanderburg, A., Vasisht, G., 2018, AAS Meeting #231, 439.13
- E18. *DECam Survey for Substellar and Low-mass Stellar Members of Sco-Cen*  
**Mamajek, E. E.**, Moolekamp, F., James, D., Luhman, K., Pecaut, M., Metchev, S. A., Denbo, S., Bell, C. P. M., 2017, AAS Meeting #229, id.240.03
- E17. *A Transiting Extrasolar Ring System: Indirect Evidence for Exosatellite Formation?*  
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- E16. *Rewriting the Star-Formation History of the Nearest OB Association*  
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- E15. *The Ages of Stars Hosting Substellar Companions*  
**Mamajek, E.**, 2010, Proceedings of the conference In the Spirit of Lyot 2010: Direct Detection of Exoplanets and Circumstellar Disks. October 25 - 29, 2010. University of Paris Diderot, Paris, France. Edited by Anthony Boccaletti.
- E14. *Planetary Construction Zones in Occultation: Eclipses by Circumsecondary and Circumplanetary Disks and a Candidate Eclipse of a Pre-Main Sequence Star in Sco-Cen*  
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- E13. *Revised Distances, Kinematics, and Classifications of the Nearest Stellar Groups within 100 pc*  
**Mamajek, E. E.**, 2010, BAAS, 215, #455.05
- E12. *Improved Age Estimate for Solar-type Dwarfs Using Activity-Rotation Diagnostics*  
**Mamajek, E. E. & Hillenbrand, L. A.**, 2008, Cool Stars and Stellar Systems 15, St. Andrews UK
- E11. *An Improbable Solution to the Underluminosity of 2M1207B: A Hot Protoplanet Collision Afterglow*  
**Mamajek, E. E. & Meyer, M. R.**, 2008, BAAS, 211, #68.03

- E10. *A New Candidate Post-T Tauri Group at  $d \simeq 90$  pc Associated with 32 Ori*  
**Mamajek, E. E.**, 2006, *Cool Stars and Stellar Systems* 14, #251, Pasadena, CA
- E9. *A Splinter Session on the Thorny Problem of Stellar Ages*  
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- E8. *The Formation and Evolution of Planetary Systems (FEPS): Discovery of an Unusual Debris System Associated with HD 12039*  
**Mamajek, E. E.**, Hines, D. C., Backman, D. E., Bouwman, J., Hillenbrand, L. A., Carpenter, J. M., Meyer, M. R., Kim, J. S., Silverstone, M. D., Rodmann, J., Wolf, S., Brooke, T. Y., Padgett, D. L., Henning, T., Moro-Martín, A., Stobie, E., Gordon, K. D., Morrison, J. E., Muzerolle, J., Su, K. Y. L., 2006, *BAAS*, 207, #63.48
- E7. *The Distance to the Young Exoplanet 2M1207 b in the TW Hya Association*  
**Mamajek, E. E.** 2005, *Protostars & Planets V*, LPI Contrib. 1286, 8522
- E6. *Assessing Kinematic Group Memberships for Astrophysically Interesting, Nearby, Young, Stellar/Substellar Systems*  
**Mamajek, E. E.** 2005, poster, STSci May Symposium 2005: A Decade of Extrasolar Planets Around Normal Stars, May 2-5, 2005, Baltimore
- E5. *Nearby Post-T Tauri Stars: Young Solar System Analogs*  
**Mamajek, E. E.** 2003, *BAAS*, 203, #98.02, AAS Meeting Dissertation Talk
- E4. *The Star-Formation History and Accretion Disk Census of Pre-Main Sequence Stars in the LCC and UCL Subgroups of Sco-Cen*  
**Mamajek, E. E.**, Meyer, M. R., Liebert, J. W. 2002, *BAAS*, 200, #71.14
- E3. *The  $\eta$  Cha Cluster and TW Hya Association: A Common Origin in the Sco-Cen OB Association*  
**Mamajek, E. E.**, Feigelson, E. D., & Lawson, W. A. 1999, *BAAS*, 195, #75.08
- E2. *The  $\eta$  Cha Cluster: Stellar Population, Kinematics and Origin*  
**Mamajek, E. E.**, Lawson, W. A., & Feigelson, E. D. 1999, *BAAS*, 194, #53.11
- E1. *Radio Emission from ROSAT Discovered T Tauri Stars in and around Taurus-Auriga*  
**Mamajek, E.**, Carkner, L., Feigelson, E., Neuhauser, R., Wichmann, R., & Krautter, J. 1996, *BAAS*, 189, #49.01

#### Other Unreferred Publications, Posters, Proceedings

- F88. *An Approach for Calculating Exo-Earth Yield of a 6-m IR/O/UV Telescope for Various Broad Bandwidth Metrics*  
Morgan, R., Damiano, M., Hu, R., Mennesson, B., **Mamajek, E.**, Savransky, D., Stapelfeldt, K., Turmon, M., Robinson, T., 2023, AAS Meeting #241, 146.01

- F87. *An Exploration of Expected Number of Exoplanets for a 6m Class Direct Imaging Observatory*  
Morgan, R., Savransky, D., Turmon, M., Genszler, G., **Mamajek, E. E.**, Robinson, T. D., Stapelfeldt, K., 2022, Proceedings of the SPIE, 12180 (DOI:10.1117/12.2630609)
- F86. *Technosignatures Gap List Study*  
Timmaraju, V., Siegler, N., & **Mamajek, E.**, 2022, 44th COSPAR Scientific Assembly Held 16-24 July 2022, F3.6-0011-22
- F85. *What does the Decadal Recommended 25 HZ Exoplanet Spectra Mean?*  
Morgan, R., Mennesson, B., **Mamajek, E.**, Savransky, D., Stapelfeldt, K., Turmon, M., Robinson, T., 2022, AASTCS9, Exoplanets 4, 102.144 (BAAS 54, 5, e-id 2022n5i102p144)
- F84. *TOI-1075 b: The Densest Ultra-Short Period Hot Super-Earth Straddling the Radius Gap*  
Essack, Z., Burt, B., Shporer, A., Seager, S., Butler, R. P., Cambioni, S., Collins, K., Hellier, C., Howell, S., Irwin, J., Jenkins, J., Lin, Z., **Mamajek, E.**, Ramadhan, A., Stassun, K., Teske, J., 2022, AASTCS9, Exoplanets 4, 102.59 (BAAS, 54, 5, e-id 2022n5i102p59)
- F83. *Sensitivity of Exo-Earth Yield of a 6 m IR/O/UV Telescope to Bandwidth, SNR, and Spectral Resolution*  
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- F82. *The B-star Exoplanet Abundance Study (BEAST): New Wide Orbit Companions*  
Meyer, M., Janson, M., Gratton, R., Vigan, A., Bonnefoy, M., **Mamajek, E.**, Reffert, S., Marleau, G.-D., Langlois, M., Chauvin, G., Ringqvist, S., Mayer, M., Viswanath, G., Squicciarini, V., Samland, M., Helled, R., Kenworthy, M., Quanz, S., Henning, Th., Engler, N., Dorazo, V., Meeus, G., 2022, AAS Meeting #240, 408.07 (BAAS, 54, 6, e-id 2022n6i408p07)
- F81. *Refining Parameters for RV-Amenable TESS Planet Candidates*  
Nabbie, E., Burt, J., **Mamajek, E.**, 2022, AAS Meeting #240, 320.04 (BAAS, 54, 6, e-id 2022n6i320p04)
- F80. *Opportunities for Technosignature Science in the Astro2020 Report*  
Haqq-Misra, J., Sheikh, S., Lingam, M., Kopparapu, R., Frank, A., Wright, J., **Mamajek, E.**, Siegler, N., Price, D., and the NExSS Working Group on Technosignatures, 2022, arXiv:2203.08968 (white paper)
- F79. *The Young Suns Exoplanet Survey: imaging infant planets around young, solar analogs*  
Kenworthy, M., Bohn, A., Ginski, C., Reggiani, M., Meshkat, T., **Mamajek, E.**, Pecaut, M., Snik, F., 15th Europlanet Science Congress 2021, held virtually, 13-24 September 2021. Online at <https://www.epsc2021.eu/>, id. EPSC2021-35, DOI:10.5194/espc2021-35
- F78. *Characterizing Nearest Sun-Like Stars for Future Exoplanet Imaging Missions*  
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- F77. *Impact of Prior Knowledge on Direct Imaging Mission Yield*  
Morgan, R., Savransky, D., Turmon, M., Mennesson, B., Dula, W., **Mamajek, E.**, Newman, P., Plavchan, P., Robinson, T., Roudier, G., 2021, AAS meeting #237, id. 416.04., BAAS, 53, No. 1 e-id 2021n1i416p04
- F76. *TOLIMAN: An astrometry mission to detect Earth analogs orbiting the nearest sun-like stars*  
Bendek, E., **Mamajek, E.**, Vasisht, G., Tuthill, P., Belikov, R., Nielsen, E., Toliman Team, 2021, AAS meeting #237, id. 318.02, BAAS, 53, No. 1 e-id 2021n1i318p02
- F75. *Life After (Stellar) Death: Habitability Around White Dwarfs*  
Kozakis, T., MacDonald, R., Lin, Z., Kaltenegger, L., Lewis, N., **Mamajek, E.**, McDowell, J., Vanderburg, A., 2021, AAS meeting #237, id. 230.06, BAAS, 53, No. 1 e-id 2021n1i230p06
- F74. *Procedure for Observing Rocky Exoplanets to Maximize the Likelihood of Atmospheric Oxygen Biosignatures*  
Lisse, C. M., Desch, S. J., Unterborn, C. T., Kane, S. R., Young, P. R., Hartnett, H. E., Hinkel, N. R., Shim, S.-H., **Mamajek, E.E.**, 2020, Exoplanets in Our Backyard: Solar System and Exoplanet Synergies on Planetary Formation, Evolution, and Habitability, held 5-7 February, 2020 in Houston, TX. LPI Contribution No. 2195, 2020, id.3064
- F73. *Results from the NASA/NSF Extreme Precision Radial Velocity Working Group*  
Burt, J., Gaudi, B., Callas, J., Mamajek, E., Blackwood, G., 2020, AAS meeting #236, id. 107.05, BAAS, 52, No. 3
- F72. *The NASA/NSF Extreme Precision Radial Velocity Initiative*  
Blackwood, G., Gaudi, B. S., Burt, J., **Mamajek, E.**, Beichman, C., Cegla, H., Fischer, D., Ford, E., Howard, A., Latham, D., Plavchan, P., Quirrenbach, A., and EPRV Working Group, 2020, AAS meeting #235, id. 374.01., BAAS, 52, No. 1
- F71. *Standard exoplanet yield evaluation for the LUVOIR and HabEx concept studies*  
Morgan, R., Savransky, D., Turmon, M., Mennesson, B., **Mamajek, E.**, Shaklan, S., Soto, G., Stapelfeldt, K., Dula, W., Keithly, D., 2019, Techniques and Instrumentation for Detection of Exoplanets IX, Proceedings of the SPIE, Volume 11117, id. 1111701 20 pp.
- F70. *Origins Space Telescope Mission Concept Study Report*  
Mexiner, M., and 68 coauthors including *Mamajek, E. E.*, 2019, arXiv:1912.06213
- F69. *Technology Challenges for the Study of Exoplanets and the Search for Habitable Worlds: Status and Path Forward*  
Crill, B., Siegler, N., Bendek, E., **Mamajek, E.**, Stapelfeldt, K., 2019, BAAS, 51, 91 (Astro2020 white paper)
- F68. *Origins Space Telescope: From First Light to Life*  
Cooray, A., and 41 coauthors including **Mamajek, E.**, 2019, BAAS, 51, 59 (Astro2020 white paper)

- F67. *When is it Worth Assembling Observatories in Space?*  
Mukherjee, R., and 48 coauthors including **Mamajek, E.**, 2019, BAAS, 51, 50 (Astro2020 white paper)
- F66. *Optimal Architectures and Survey Designs for Maximizing the Yields of Direct-Imaging Exoplanet Missions*  
Stark, C., and 34 coauthors including **Mamajek, E.**, 2019, BAAS, 51, 511 (Astro2020 white paper)
- F65. *The Early Evolution of Stars and Exoplanet Systems: Exploring and Exploiting Nearby, Young Stars*  
Kastner, J., and 14 coauthors including **Mamajek, E.**, 2019, BAAS, 51, 294 (Astro2020 white paper)
- F64. *Extreme Precision Radial Velocity Working Group*  
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