

Dr. Eric E. Mamajek
Curriculum Vitae - 20 March 2018

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Positions

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](#)

Professional Memberships

International Astronomical Union (IAU):

Chair (2016-), Division C WG Star Names

Chair (2015), Inter-Division WG on Nominal Units for Stellar & Planetary Astronomy

Executive Committee Working Group on Public Naming of Planets and Planetary Satellites

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

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

Div. F: WG on Exoplanets for the Public

Div. H: Interstellar Matter and Local Universe

Div. H Commission 37: Star Clusters and Associations

American Astronomical Society (AAS)

American Association for the Advancement of Science (AAAS)

American Association of Variable Star Observers (AAVSO)

Research Grants, Awards, Honors

- 2018 PI, K2 Guest Observer Cycle 6, "Investigating the Early Evolution of Exoplanet Properties"
- 2016 PI, University of Rochester, University Research Award
- 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: one of 2015's most-downloaded papers in AAS Journals \(Mamajek et al. 2015\)](#)
- 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

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 for Research (Active - italics)

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

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

- 2017 Exo-S Probe-Class Starshade Mission (Dedicated Mission) Delta/Update Study, Lead
- 2017- Origins Space Telescope, ex-officio STDT & Exoplanet WG
- 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
- 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 [Blanco f/8 Secondary Mirror Recovery Effort](#), Manager, CTIO
- 2012 [SOAR 4.1-m Telescope](#) Science Advisory Committee (SAC), CTIO
- 2011-2012 [Blanco 4-m Telescope](#) Scientist, CTIO
- 2011-2012 Hydra Multi-object Spectrograph, Deputy Support Scientist, CTIO
- 2011-2012 Website Committee, CTIO
- 2011-2013 "Cerro Tololo Inter-American Observatory (CTIO)" 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 Comparella

2009-2011 UR Physics & Astronomy Undergraduate Astronomy Advisor
 2009-2011 UR Representative to New York Astronomical Corporation
 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)

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 and Research Talks (since 2011)

- 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 Eclipses 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
- 5/2012 Pontificia Universidad Católica de Chile, Astro. Dept. colloquium - Santiago, Chile (2)
Discovery of a Transiting Extrasolar Ring System
Update on the Blanco 4-m Telescope at CTIO
- 3/2012 New Quests in Stellar Astrophysics III - Puerto Vallarta, Mexico
Ages of the Host Stars of Circumstellar Disks and Exoplanets
- 3/2012 CTIO Oversight Committee talk - La Serena, Chile
Discovery of a Transiting Extrasolar Ring System
- 6/2011 CTIO/Gemini colloquium - La Serena, Chile
The Nearest Youngest Stars: Planet Formation Theatre
- 2/2011 Université de Montréal - Département de Physique - astrophysics colloquium - Montreal
What Can Nearby Young Stars Tell Us About Star and Planet Formation?

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

7707	Total citations
5673	Citations to n^{th} -author publications
2034	Citations to 1st author papers
139	Refereed publications (20 1st-author, 119 nth-author)
51	Hirsch h-index (i.e. 51 publications with ≥ 51 citations)
108	i_{10} -index (i.e. 108 publications with ≥ 10 citations)
2.4	Hirsch m -index = $h/(t_{\text{now}} - t_{1\text{st pub.}}) = 51/(2018-1997)$

Last updated 20 March 2018. 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

- 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
- 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 (20 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 (100 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 (54 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 (86 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 (61 citations)
- A13. *On the Nature of the Common Proper Motion Companions to the Exoplanet Host Star 51 Peg*
Mamajek, E. E., 2010, AN, 331, 704
- A12. *Discovery of a Faint Companion to Alcor Using MMT/AO 5 μ m Imaging*
Mamajek, E. E., Kenworthy, M. A., Hinz, P. M., & Meyer, M. R., 2010, AJ, 139, 919 (23 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 (513 citations)
- A10. *On the Distance to the Ophiuchus Star-Forming Region*
Mamajek, E. E., 2008, AN, 329, 10 (91 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 (27 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 (12 citations)
- A6. *A Moving Cluster Distance to the Exoplanet 2M1207B in the TW Hya Association*
Mamajek, E. E. 2005, ApJ, 634, 1385 (165 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 (84 citations)
- A4. *Post-T Tauri Stars in the Nearest OB Association*
Mamajek, E. E., Meyer, M. R., & Liebert, J. L. 2002, AJ, 124, 1670 (199 citations)
- A3. *The η Chamaeleontis Cluster: Origin in the Sco-Cen OB Association*
Mamajek, E. E., Lawson, W. A., & Feigelson, E. D. 2000, ApJ, 544, 356 (112 citations)
- A2. *A Radio Survey of Older T Tauri Stars in the η Chamaeleontis Cluster*
Mamajek, E. E., Lawson, W. A., & Feigelson, E. D. 1999, Pub. Ast. Soc. Aus., 16, 257 (10 citations)

- A1. *The η Chamaeleontis Cluster: A Remarkable New Nearby Young Open Cluster*
Mamajek, E., Lawson, W. A., & Feigelson, E. D. 1999, ApJ, 516, L77 (158 citations)

Other Refereed Publications

- B119. *DECam Survey for Low-Mass Stars and Substellar Objects in the UCL and LCC Subgroups of the Sco-Cen OB Association (SCOCENSUS)*
Moolekamp, F. E., **Mamajek, E. E.**, James, D. J., Luhman, K. L., Pecaut, M. J., Metchev, S. A., Bell, C. P. M., Denbo, S. R., 2018, submitted to MNRAS ([arXiv:1802.00878](https://arxiv.org/abs/1802.00878))
- B118. *Three Small Planets Transiting the Bright Young Field Star EPIC 249622103*
David, T. J., Crossfield, I. J. M., Benneke, B., Petigura, E. A., Gonzales, E. J., Schlieder, J. E., Yu, L., Isaacson, H. T., Howard, A. W., Ciardi, D. R., **Mamajek, E. E.**, Hillenbrand, L. A., Cody, A. M., Riedel, A., Schwengeler, H. M., Tanner, C., & Ende, M., 2018, submitted to AAS Journals ([arXiv:1803.05056](https://arxiv.org/abs/1803.05056))
- B117. *Discovery of a Transiting Adolescent Sub-Neptune Exoplanet in the Cas-Tau Association with K2*
David, T. J., **Mamajek, E. E.**, Vanderburg, A., Schlieder, J. E., Bristow, M., Petigura, E. A., Ciardi, D. R., Crossfield, I. J. M., Isaacson, H. T., Cody, A. M., Stauffer, J. R., Hillenbrand, L. A., Bieryla, A., Latham, D. W., Fulton, B. J., Rebull, L. M., Beichman, C., Gonzales, E. J., Hirsch, L. A., Howard, A. W., Vasisht, G., & Ygouf, M. ([arXiv:1801.07320](https://arxiv.org/abs/1801.07320))
- B116. *BANYAN. XI. The BANYAN Σ Multivariate Bayesian Algorithm to Identify Members of Young Associations within 150 pc*
Gagné, J., **Mamajek, E. E.**, Malo, L., Riedel, A., Rodriguez, D., Lafrenière, D., Faherty, J. K., Roy-Loubier, O., Pueyo, L., Robin, A. C., Doyon, R., 2018, ApJS, in press ([arXiv:1801.09051](https://arxiv.org/abs/1801.09051)) (5 citations)
- B115. *The Kinematics of the Scorpius-Centaurus OB Association from Gaia DR1*
Wright, N. & **Mamajek, E. E.**, 2018, MNRAS, 476, 381 ([arXiv:1801.08540](https://arxiv.org/abs/1801.08540))
- B114. *The GALEX View of the Boyajian's Star (KIC 8462852)*
Davenport, J. R. A., Covey, K. R., Clarke, R. W., Laycock, Z., Fleming, S. W., Boyajian, T. S., Montet, B. T., Shiao, B., Million, C. C., Wilson, D. J., Olmedo, M., **Mamajek, E. E.**, Olmedo, D., Chávez, M., & Bertone, E., 2018, ApJ, 853, 130 ([arXiv:1712.04948](https://arxiv.org/abs/1712.04948)) (2 citations)
- B113. *Angular Momentum Evolution of Young Stars in the nearby Scorpius-Centaurus OB Association*
Mellon, S. N., **Mamajek, E. E.**, Oberst, T. E., & Pecaut, M. J., 2017, ApJ, 844, 66 ([arXiv:1706.06105](https://arxiv.org/abs/1706.06105))
- B112. *Identification of Young Stellar Variables with KELT for K2 II: The Upper Scorpius Association*
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- B3. *Gliese 596B: A Young Multiple Brown Dwarf System?*
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- C28. *Kinematics of the Interstellar Vagabond 1I/Oumuamua (A/2017 U1)*
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- 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*
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- 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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- C20. *The 55 UMa Wide Quadruple System*
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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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- C14. *Candidate Solar Sibling Star HD 162826 and Sun Have Similar Ages*
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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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- C7. *Initial Conditions of Planet Formation: Lifetimes of Primordial Disks*
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- C5. *A Splinter Session on the Thorny Problem of Stellar Ages*
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- C3. *Proper Motions as an Underutilized Tool for Estimating Distances and Ages for Nearby, Young Stars*
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- 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*
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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 η Chamaeleontis Star Cluster: Discovery, Characteristics and Origin*
Mamajek, E. E. 1999, M.Sc. Thesis, University of New South Wales/ADFA
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- D1. *A Method for Quantifying the Focal-Ratio Degradation Properties of Optical Fibers*
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First-Author Posters & Published Conference Abstracts for Talks

- E18. *Discovery of a Transiting Adolescent Sub-Neptune Exoplanet in the Cas-Tau Association With K2*
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- 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*
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- 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*
Mamajek, E. E., Quillen, A. C., Pecaut, M., Moolekamp, F., Scott, E. L., Kenworthy, M. A., Collier Cameron, A., & Parley, N., 2012, BAAS, 219, #404.04
- E13. *Revised Distances, Kinematics, and Classifications of the Nearest Stellar Groups within 100 pc*
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- E12. *Improved Age Estimate for Solar-type Dwarfs Using Activity-Rotation Diagnostics*
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- E11. *An Improbable Solution to the Underluminosity of 2M1207B: A Hot Protoplanet Collision Afterglow*
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- E10. *A New Candidate Post-T Tauri Group at $d \approx 90$ pc Associated with 32 Ori*
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- 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*
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- E6. *Assessing Kinematic Group Memberships for Astrophysically Interesting, Nearby, Young, Stellar/Substellar Systems*
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Service Documents

I6. [IAU 2015 Resolution B2 on Recommended Zero Points for the Absolute and Apparent Bolometric Magnitude Scales](#)

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Notes on MK Spectral Standard Stars (Dwarfs, Subgiants, Giants)

<http://www.pas.rochester.edu/~emamajek/spt/>

Compendium of information on spectral standard stars and mean properties of dwarf stars of a given spectral type. I also try to assess which standard stars appear to best be the best representatives of the MK system (or

modern offshoots), and which stars should be deprecated as such due to conflicting classifications.

Basic Astronomical Data for the Sun (BADs)

<https://sites.google.com/site/mamajeksstarnotes/basic-astronomical-data-for-the-sun>

An extensive tabulation of "best" stellar parameters to adopt for the Sun, based on extensive (and regularly updated) literature review.