

CURRICULUM VITAE:
KEIVAN GUADALUPE STASSUN

Associate Professor of Astronomy, Vanderbilt University
Adjunct Professor of Physics, Fisk University

PROFESSIONAL PREPARATION

UNDERGRADUATE, GRADUATE, AND POSTDOCTORAL

University of California at Berkeley

Degree: A.B. in Physics/Astronomy (double) with Honors, 1994 (G. Basri, advisor)

University of Wisconsin—Madison

Degree: Ph.D. in Astronomy, 2000

Thesis: *Rotation, Accretion, & Circumstellar Disks in Young Low-Mass Stars* (R. Mathieu, advisor)

University of Wisconsin—Madison

Postdoctoral Teaching Fellow, NSF Graduate K-12 Teaching Fellows Program, 2000-01

Duties: *Development of program, grad course in science education research* (T. Millar, advisor)

University of Wisconsin—Madison

Hubble Postdoctoral Research Fellow, Astronomy, 2001-03

Area: *Observational Studies of Low-Mass Star Formation* (R. Mathieu, advisor)

FACULTY APPOINTMENTS

Vanderbilt University

Associate Professor of Astronomy, 2007-present

Director, Vanderbilt Initiative in Data-intensive Astrophysics (VIDA)

Co-Director, Fisk-Vanderbilt Masters-to-PhD Bridge Program

Fisk University

Adjunct Professor of Physics, 2004-present

Vanderbilt University

Assistant Professor of Astronomy, 2003-07

FELLOWSHIPS, AWARDS AND HONORS

Alphonse Fletcher Fellow, Vanderbilt University and Fisk University, 2009-10

Caroline Herschel Distinguished Visiting Scholar, Space Telescope Science Institute, 2007-08

Ford Foundation Diversity Postdoctoral Fellowship, Fisk University—2007-08

Research Corporation Cottrell Scholar Award, Vanderbilt University—2006-present

Vanderbilt Affirmative Action and Diversity Initiatives Award, Vanderbilt University—2005

NSF Career Award, Vanderbilt University—2004-present

NASA Hubble Postdoctoral Fellowship, UW Madison—2001-03

NSF Astronomy and Astrophysics Postdoctoral Fellowship (declined)—2001

Ford Foundation Minority Postdoctoral Fellowship (declined)—2001

Minority Scholar-In-Residence, UW Madison—2000-2001

Ford Foundation Minority Dissertation Fellowship, UW Madison—1999-2000

University of Wisconsin Graduate Fellowship, UW Madison—1998-1999

NSF Graduate Research Fellowship, UW Madison—1995-1998

Valedictorian, Physics/Astronomy, UC Berkeley—1994

Dorothy K. Roberts Prize for Outstanding Achievement in Astronomy, UC Berkeley—1994

Chancellor's Scholar, UC Berkeley—1990-1994

LEADERSHIP AND SERVICE

Astro2010, NRC Decadal Survey Study Group on the State of the Profession, 2009
 Associated Universities for Research in Astronomy, Diversity and Future of the Workforce
 Committee—2008-present
 Vanderbilt Graduate Education Task Force—2008-present
 National Optical Astronomy Observatories, Visiting Committee—2008-present
 Director, Vanderbilt Initiative in Data-Intensive Astrophysics (VIDA)—2007-present
 Conference of Ford Fellows. Organizing Committee —2007-09
 Congressional FACA Astronomy and Astrophysics Advisory Committee—2006-present
 Associated Universities for Research in Astronomy, NSF Review Board—2006
 NSF Astronomy Division, Committee of Visitors—2005
 NSF Advisory Board on Broadening Participation—2005-present
 Co-Director, Fisk Astronomy and Space Science Training (FASST) program—2004-present
 Co-Director, Fisk-Vanderbilt Masters-to-PhD Bridge Program—2003-present
 Chair, American Astronomical Society Committee on Status of Minorities in Astronomy—2003-08
 National Society of Black Physicists Annual Conference, Organizing Committee—2004-present
 Content Adviser for NASA PlanetQuest Español website, 2005
 NASA Chicago 2004 Conference on Diversity, Organizing Committee—2004
 Faculty Mentor, NSF Astronomy & Astrophysics Postdoctoral Fellows Program—2004-05
 Society for the Advancement of Chicanos and Native Americans in Science, Organizing
 Committee—2003-present
 Editor, American Astronomical Society *Spectrum* Newsletter on Diversity in the Sciences—2002-08
 Content Adviser for Astronomical Society of the Pacific's "El Universo a Sus Pies" Project—2001
 Director, *Scopes for Schools* astronomy outreach program—1998-present
 Proposal Reviewer, NSF (AST division, REC division, DGE division) and NASA (Spitzer, HST)
 Manuscript referee: *Astrophysical Journal*, *Astronomical Journal*, *Astronomy & Astrophysics*, *Nature*

STUDENTS AND POSTDOCS ADVISED

Postdoctoral advisor, Ian Nieves (Fisk University)—2009-present
 Postdoctoral advisor, Martin Paegert (Vanderbilt University)—2009-present
 Postdoctoral advisor, Leslie Hebb (Vanderbilt University)—2009-present
 M.A. advisor, Fabienne Bastien (Fisk University)—2008-present
 M.A. advisor, Felipe Colazo (Fisk University)—2008-present
 M.A. advisor, Sharina Haynes (Fisk University)—2008-present
 M.A. advisor, Brittany Kamai (Fisk University)—2008-present
 M.A. advisor, Erica Morgan (Fisk University)—2008-present
 M.A. advisor, Matthew Richardson (Fisk University)—2008-present
 Summer intern mentor, Vanderbilt University, Francilia Samuel (Depauw University)—2008
 Postdoctoral advisor, Joshua Pepper (Vanderbilt University)—2007-present
 Postdoctoral advisor, Erika Grundstrom (Vanderbilt University)—2007-present
 Ph.D. advisor, Julia Bodnarik (Vanderbilt University)—2007-present
 Ph.D. advisor, Deatrick Foster (Vanderbilt University)—2007-present
 M.A. advisor, Trey Mack (Fisk University)—2007-present
 Summer intern mentor, Vanderbilt University, Nathalia Alzate (Florida Tech)—2007
 Summer intern mentor, Vanderbilt University, India Anderson (Southern University)—2007
 Summer intern mentor, Vanderbilt University, Ximena Fernandez (Vassar College)—2007
 Summer intern mentor, Vanderbilt University, Brittany Kamai (University of Hawaii)—2007
 Ph.D. advisor, Thompson LeBlanc (Vanderbilt University)—2006-present
 Ph.D. advisor, Saurav Dhital (Vanderbilt University)—2006-present
 Summer intern mentor, Vanderbilt University, Trey Mack (University of North Carolina)—2006

B.A. advisor, Calen Henderson (Vanderbilt University)—2006-present
 M.A. advisor, Melissa Harrison (Fisk University)—2005-07
 M.A. advisor, Jedidah Isler (Fisk University)—2005-07
 M.A. advisor, Julia Bodnarik (Fisk University)—2005-07
 Ph.D. advisor, Phillip Cargile (Vanderbilt University)—2005-present
 Ph.D. advisor, Alicia Aarnio (Vanderbilt University)—2005-present
 M.A. advisor, Luisa Zambrano (Fisk University)—2005-06
 B.A. advisor, Felipe Colazo (Fisk University)—2005-08
 B.A. advisor, David Hill (Fisk University)—2005-08
 B.A. advisor, Matthew Richardson (Fisk University)—2005-08
 Ph.D. advisor, Yilen Gomez (Vanderbilt University)—2004-present
 M.A. advisor, Tomas Yan (Fisk University)—2004-07
 M.A. advisor, Thompson LeBlanc (Fisk University)—2004-06
 M.A. co-advisor, Helen Jackson (Fisk University)—2004-06
 Postdoctoral advisor, David James (Vanderbilt University)—2004-08
 B.A. co-advisor, Matthew Miller (Swarthmore College)—2003-04

GRANTS AS PI OR CO-PI

Agency	Period	Title	Amount
Vanderbilt University	2009-11	Development of REDDnet for rapid transport of massive data for data-intensive research	\$100K
NSF AST	2008-11	X-ray Production and Angular Momentum Evolution in Low-Mass Stars	\$290K
NSF PAARE	2008-13	Graduate Opportunities at Fisk in Astronomy and Astrophysics Research	\$2.2M
Vanderbilt University	2007-12	The Vanderbilt Initiative in Data-intensive Astrophysics (VIDA)	\$3.2M
NASA Spitzer	2007-09	Spectral Energy Distribution of the First Brown-Dwarf Eclipsing Binary	\$15K
NSF REU	2007-10	Research Experiences for Undergraduates in Physics at Vanderbilt University	\$300K
Research Corp.	2006-11	Cottrell Scholar Award	\$100K
NSF AST	2006-08	A Fundamental Calibration of Pre-Main-Sequence Evolution Models for Brown Dwarfs	\$125K
NASA Spitzer	2005-07	The Angular Momentum Evolution of Young, Low-Mass Stars	\$67K
NSF Career Award	2004-09	Order-of-Magnitude Problems in Star Formation and Minority Representation	\$1.0M
NASA HST Treasury	2004-06	The HST Survey of the Orion Nebula Cluster	\$848K
NASA MUCERPI	2003-06	Toward a Comprehensive Space Science Program at Fisk University	\$825K
NASA	2001-03	Hubble Postdoctoral Fellows Program	\$216K
NSF AST	2001-04	Observational Tests of Pre-Main-Sequence Stellar Evolution Theory	\$415K
NASA Chandra	2001-02	The Rotation-Activity Relationship Among Young Stars in Orion	\$60K
NSF GK-12	2000-03	K-12 and Graduate Student Professional Development Partnership Program	\$1.1M

INVITED TALKS—RESEARCH

- University of Chicago, 2009, “Empirical Constraints on the Formation and Evolution of Low-Mass Stars and Brown Dwarfs: A Data-Intensive Approach”
- Harvard University, 2009, “Empirical Constraints on the Formation and Evolution of Low-Mass Stars and Brown Dwarfs: A Data-Intensive Approach”
- University of Iowa, 2008, “Testing Star-Formation Models: Empirical Case Studies”
- Space Telescope Science Institute, 2008, “Testing Star-Formation Models: Empirical Case Studies”
- University of Michigan, 2007, “A Synthesis of Fundamental Issues in the Formation of Stars and Brown Dwarfs”
- Yale University, 2006, “A Synthesis of Fundamental Issues in the Formation of Stars and Brown Dwarfs”
- Columbia University, 2006, “A Synthesis of Fundamental Issues in the Formation of Stars and Brown Dwarfs”
- University of Virginia, 2006, “Unsolved Problems in the Formation of Stars and Brown Dwarfs”
- Protostars & Planets V, Hawaii, 2005, “Dynamical Mass Measurements of Pre-Main-Sequence Stars”
- American Astronomical Society, San Diego, 2005, “Using Small Telescopes for Critical Tests of Star Formation Theory”
- University of Texas at Austin, 2004, “Unsolved Problems in Star Formation”
- Large Synoptic Telescope Science Workshop, Seattle, 2004, “Testing Star Formation Theory and Setting the Clock for Planet Formation”
- Gemini Observatory Science Workshop, Vancouver, 2004, “Testing Star Formation Theory with Gemini”
- SUNY, Stony Brook, 2004, “Accurate, Empirical Calibration of Stellar Evolution Models”
- American Astronomical Society, Nashville, 2003, “Calibrating Our Chronometer of Star Formation”
- University of Washington, 2003, “Testing Star-Formation Theory: Masses and Angular Momenta of Young Stars”
- Carnegie Institution of Washington, 2003, “Measuring the Masses and Angular Momenta of Newborn Stars”
- University of Minnesota, 2003, “Testing Pre-Main-Sequence Stellar Evolution Theory”
- San Francisco State University, 2003, “Understanding the Physics of How Stars are Made”
- American Astronomical Society, Albuquerque, 2002, “Future Research Directions in the Angular Momenta of Young Stars”
- McDonald Observatory, 2002, “Observational Tests of Star Formation Theory”
- Laboratoire d’Astrophysique de Grenoble, France, 2002, “Observational Tests of Star Formation Theory”
- Ohio State University, 2001, “The Angular Momentum Evolution of Pre-Main-Sequence Stars”
- UC Berkeley, 2000, “New Insights on the Rotational Evolution of Pre-Main-Sequence Stars”
- Utrecht University, The Netherlands, 2000, “The Role of Circumstellar Disks in the Rotation of Young Stars”
- European Southern Observatory, Palermo, Italy, 1999, “Examining the Regulation of Pre-Main-Sequence Rotation by Disks”

INVITED TALKS—DIVERSITY, EDUCATION, OUTREACH

- University of Chicago, 2009, “Diversity in Astronomy in the Coming Decade”
- Harvard University, 2009, “Diversity in Astronomy in the Coming Decade”
- The Future of Diversity and Opportunity in Higher Education, Conference at Rutgers University, 2008, “Networks, Collaboration, and Partnerships as Strategic Approaches to Diversity”
- University of Iowa, 2008, “The Fisk-Vanderbilt Masters-to-PhD Bridge Program”
- Boston University, 2008, “Building Bridges to Diversity in Physics & Astronomy”
- American Physical Society, 2008, “Partnerships with Minority-Serving Institutions as a Strategy for

- Broadening Participation of Underrepresented Minorities in Physics”
 Yale University, 2007, “Building Bridges to Diversity in Physics and Astronomy”
 University of Michigan ADVANCE Project, 2007, “Building Bridges to Diversity in STEM Disciplines”
 Columbia University, 2006, “Building Bridges to Diversity in Physics and Astronomy”
 University of Texas at Austin, 2004, “Enhancing Diversity in the Physical Sciences”
 NSF IGERT PI Meeting, 2004, “Strategies for Improving Minority Graduate Enrollment and Retention”
 Women in Astronomy II Meeting, 2003, “Enhancing Diversity in Astronomy”
 American Association of Physics Teachers, 2003, “The Search for Extrasolar Planets”
 University of Washington, 2003, “Strategies for Enhancing Diversity in Astronomy”
 University of Minnesota, 2003, “Preparing Graduate Students as Future College Science Teachers”
 American Astronomical Society, 2003, “The Role of Minority Serving Institutions and REU Programs for Enhancing Diversity”
 University of Wisconsin—Madison, 2002, “Graduate Student Professional Development in Research and Teaching”
 Ohio State University, 2001, “Teaching and the Professional Development of Graduate Students”
 American Astronomical Society, Pasadena, 2001, “Research as a Model for the Scholarship of Teaching”
 American Astronomical Society, Atlanta, 2000, “Scopes for Schools: An Astronomy Outreach Program for Underrepresented Minorities”

PUBLICATIONS—PEER REVIEWED JOURNALS

- Gomez Maqueo Chew, Y., **Stassun**, K.G., Prsa, A., & Mathieu, R.D. 2009, “Near-Infrared Light Curves of the Brown Dwarf Eclipsing Binary 2MASS J05352184-0546085: Can Spots Explain the Temperature Reversal?”, *Astrophysical Journal*, in press
- Mohanty, S., **Stassun**, K.G., & Mathieu, R.D. 2009, “Circumstellar Environment and Effective Temperature of the Young Substellar Eclipsing Binary 2MASS J05352184-0546085”, *Astrophysical Journal*, in press
- Meibom, S., Mathieu, R.D., & **Stassun**, K.G. 2009, “Stellar Rotation in M35: Mass-Period Relations, Spin-Down Rates, and Gyrochronology”, *Astrophysical Journal*, Vol. 695, pp. 679-
- Aarnio, A. N., Weinberger, A. J., **Stassun**, K. G., Mamajek, E. E., & James, D. J. 2008, “A Survey for a Coeval, Comoving Group Associated with HD 141569”, *Astronomical Journal*, Vol. 136, pp. 2483-2492
- Stassun**, K. G., Mathieu, R. D., Cargile, P. A., Aarnio, A. N., Stempels, E., & Geller, A. 2008, “Surprising dissimilarities in a newly formed pair of ‘identical twin’ stars”, *Nature*, Vol. 453, pp. 1079-1082
- Stempels, H. C., Hebb, L., **Stassun**, K. G., Holtzman, J., Dunstone, N., Glowienka, L., & Frandsen, S. 2008, “The pre-main-sequence eclipsing binary ASAS J052821+0338.5”, *Astronomy and Astrophysics*, Vol. 481, pp. 747-755
- Cargile, P. A., **Stassun**, K. G., & Mathieu, R. D. 2008, “Discovery of Par 1802 as a Low-Mass, Pre-Main-Sequence Eclipsing Binary in the Orion Star-Forming Region”, *Astrophysical Journal*, Vol. 674, pp. 329-335
- Aigrain, S., Irwin, J., Hebb, L., Hodgkin, S., Miller, A., Moraux, E., & **Stassun**, K. 2007, “The Monitor Project: Tracking the Evolution of Low-Mass and Pre-Main-Sequence Stars”, *The Messenger*, Vol. 130, pp. 36-

- Reiners, A., Seifahrt, A., **Stassun**, K. G., Melo, C., & Mathieu, R. D. 2007, “Detection of Strong Activity in the Eclipsing Binary Brown Dwarf 2MASS J05352184-0546085: A Possible Explanation for the Temperature Reversal”, *Astrophysical Journal*, Vol. 671, pp. L149-L152
- Irwin, J., Aigrain, S., Hodgkin, S., **Stassun**, K. G., Hebb, L., Irwin, M., Moraux, E., Bouvier, J., Alapini, A., Alexander, R., Bramich, D. M., Holtzman, J., Martin, E. L., McCaughrean, M. J., Pont, F., Verrier, P. E., & Zapatero Osorio, M. R. 2007, “The Monitor project: JW 380 - a 0.26-, 0.15-Msolar, pre-main-sequence eclipsing binary in the Orion nebula cluster”, *Monthly Notices of the Royal Astronomical Society*, Vol. 380, pp. 541-550
- Meibom, S., Mathieu, R. D., & **Stassun**, K. G. 2007, “The Effect of Binarity on Stellar Rotation: Beyond the Reach of Tides”, *Astrophysical Journal*, Vol. 665, pp. L155-L158
- Stassun**, K. G., Mathieu, R. D., & Valenti, J. A. 2007, “A Surprising Reversal of Temperatures in the Brown Dwarf Eclipsing Binary 2MASS J05352184-0546085”, *Astrophysical Journal*, Vol. 664, pp. 1154-1166
- Jensen, E. L. N., Dhital, S., **Stassun**, K. G., Patience, J., Herbst, W., Walter, F. M., Simon, M., & Basri, G. 2007, “Periodic Accretion from a Circumbinary Disk in the Young Binary UZ Tau E”, *Astronomical Journal*, Vol. 134, pp. 241-251
- Stassun**, K. G., van den Berg, M., & Feigelson, E. 2007, “A Simultaneous Optical and X-Ray Variability Study of the Orion Nebula Cluster. II. A Common Origin in Magnetic Activity”, *Astrophysical Journal*, Vol. 660, pp. 704-711
- Mathieu, R. D., Baraffe, I., Simon, M., **Stassun**, K. G., & White, R. 2007, “Dynamical Mass Measurements of Pre-Main-Sequence Stars: Fundamental Tests of the Physics of Young Stars”, *Protostars and Planets V*, Vol. pp. 411-425
- Feigelson, E., Townsley, L., Gudel, M., & **Stassun**, K. 2007, “X-Ray Properties of Young Stars and Stellar Clusters”, *Protostars and Planets V*, Vol. pp. 313-328
- Meibom, S., Mathieu, R. D., & **Stassun**, K. G. 2006, “An Observational Study of Tidal Synchronization in Solar-Type Binary Stars in the Open Clusters M35 and M34”, *Astrophysical Journal*, Vol. 653, pp. 621-635
- Stassun**, K. G., van den Berg, M., Feigelson, E., & Flaccomio, E. 2006, “A Simultaneous Optical and X-Ray Variability Study of the Orion Nebula Cluster. I. Incidence of Time-correlated X-Ray/Optical Variations”, *Astrophysical Journal*, Vol. 649, pp. 914-926
- Stark, D. P., Whitney, B. A., **Stassun**, K., & Wood, K. 2006, “Near-Infrared Synthetic Images of Protostellar Disks and Envelopes”, *Astrophysical Journal*, Vol. 649, pp. 900-913
- Gomez Maqueo Chew, Y., **Stassun**, K. G., Vaz, L. P., Mathieu, R., & Valenti, J. 2006, “Eclipsing Binary Systems as Calibration for Star Formation Models”, *Revista Mexicana de Astronomia y Astrofisica Conference Series*, Vol. 26, pp. 170-
- Stassun**, K. G., Mathieu, R. D., & Valenti, J. A. 2006, “Discovery of two young brown dwarfs in an eclipsing binary system”, *Nature*, Vol. 440, pp. 311-314
- Favata, F., Flaccomio, E., Reale, F., Micela, G., Sciortino, S., Shang, H., **Stassun**, K. G., & Feigelson, E. D. 2005, “Bright X-Ray Flares in Orion Young Stars from COUP: Evidence for Star-Disk Magnetic Fields?”, *Astrophysical Journal Supplement Series*, Vol. 160, pp. 469-502
- Preibisch, T., Kim, Y.-C., Favata, F., Feigelson, E. D., Flaccomio, E., Getman, K., Micela, G., Sciortino, S., **Stassun**, K., Stelzer, B., & Zinnecker, H. 2005, “The Origin of T Tauri X-Ray Emission: New Insights from the Chandra Orion Ultradeep Project”, *Astrophysical Journal Supplement Series*, Vol. 160, pp. 401-422

- Smith, N., **Stassun**, K. G., & Bally, J. 2005, “Opening the Treasure Chest: A Newborn Star Cluster Emerges from Its Dust Pillar in Carina”, *Astronomical Journal*, Vol. 129, pp. 888-899
- Stassun**, K. G., Ardila, D. R., Barsony, M., Basri, G., & Mathieu, R. D. 2004, “X-Ray Properties of Pre-Main-Sequence Stars in the Orion Nebula Cluster with Known Rotation Periods”, *Astronomical Journal*, Vol. 127, pp. 3537-3552
- Stassun**, K. G., Mathieu, R. D., Vaz, L. P. R., Stroud, N., & Vrba, F. J. 2004, “Dynamical Mass Constraints on Low-Mass Pre-Main-Sequence Stellar Evolutionary Tracks: An Eclipsing Binary in Orion with a 1.0 Msolar Primary and a 0.7 Msolar Secondary”, *Astrophysical Journal Supplement Series*, Vol. 151, pp. 357-385
- Mathieu, R. D., van den Berg, M., Torres, G., Latham, D., Verbunt, F., & **Stassun**, K. 2003, “Sub-Subgiants in the Old Open Cluster M67?”, *Astronomical Journal*, Vol. 125, pp. 246-259
- Stassun**, K. G., & Terndrup, D. 2003, “Angular Momentum Evolution of Young Stars: Toward a Synthesis of Observations, Theory, and Modeling”, *Publications of the Astronomical Society of the Pacific*, Vol. 115, pp. 505-512
- Stassun**, K. G., van den Berg, M., Mathieu, R. D., & Verbunt, F. 2002, “Photometric variability in the old open cluster M 67. II. General survey”, *Astronomy and Astrophysics*, Vol. 382, pp. 899-909
- van den Berg, M., **Stassun**, K. G., Verbunt, F., & Mathieu, R. D. 2002, “Photometric variability in the open cluster M 67. I. Cluster members detected in X-rays”, *Astronomy and Astrophysics*, Vol. 382, pp. 888-898
- Wood, K., Smith, D., Whitney, B., **Stassun**, K., Kenyon, S. J., Wolff, M. J., & Bjorkman, K. S. 2001, “Scattered Light Models of Protostellar Envelopes: Multiple Outflow Cavities and Misaligned Circumstellar Disks”, *Astrophysical Journal*, Vol. 561, pp. 299-307
- van den Berg, M., Orosz, J., Verbunt, F., & **Stassun**, K. 2001, “The blue straggler S 1082: A triple system in the old open cluster M 67”, *Astronomy and Astrophysics*, Vol. 375, pp. 375-386
- Stassun**, K. G., Mathieu, R. D., Vrba, F. J., Mazeh, T., & Henden, A. 2001, “A 10 Micron Search for Truncated Disks Among Pre-Main-Sequence Stars with Photometric Rotation Periods”, *Astronomical Journal*, Vol. 121, pp. 1003-1012
- Wood, K., Wolk, S. J., Stanek, K. Z., Leussis, G., **Stassun**, K., Wolff, M., & Whitney, B. 2000, “Optical Variability of the T Tauri Star HH 30 IRS”, *Astrophysical Journal*, Vol. 542, pp. L21-L24
- Stassun**, K. G., Mathieu, R. D., Mazeh, T., & Vrba, F. J. 1999, “The Rotation Period Distribution of Pre-Main-Sequence Stars in and around the Orion Nebula”, *Astronomical Journal*, Vol. 117, pp. 2941-2979
- Stassun**, K., & Wood, K. 1999, “Magnetic Accretion and Photopolarimetric Variability in Classical T Tauri Stars”, *Astrophysical Journal*, Vol. 510, pp. 892-904
- Mathieu, R. D., **Stassun**, K., Basri, G., Jensen, E. L. N., Johns-Krull, C. M., Valenti, J. A., & Hartmann, L. W. 1997, “The Classical T Tauri Spectroscopic Binary DQ Tau. I. Orbital Elements and Light Curves”, *Astronomical Journal*, Vol. 113, pp. 1841-

PUBLICATIONS—INVITED REVIEWS

- Stassun**, K. G. 2008, “Empirical Constraints on the Interiors of Low-Mass Pre-Main-Sequence Stars and Young Brown Dwarfs”, *14th Cambridge Workshop on Cool Stars, Stellar Systems, and the Sun*, Vol. 384, pp. 214-
- Stassun**, K.G., Burger, A., & Lange, S.E. 2007, “The Fisk-Vanderbilt Masters-to-PhD Bridge Program: A Model for Broadening Participation of Underrepresented Groups in the Physical Sciences through Effective Partnerships with Minority-Serving Institutions”, *Journal of Geosciences Education*, in press

- Stassun, K.G. & Burger, A.** 2007, “Bridging the Gap: The Fisk-Vanderbilt Masters-to-PhD Bridge Program”, *American Association of Physics Teachers Interactions*
- Stassun, K.** 2005, “What are the Drivers of X-ray Production in Pre-Main-Sequence Stars”, *Star Formation in the Era of Three Great Observatories*, Vol. pp.
- Stassun, K. G.** 2005, “Building Bridges to Diversity in Physics and Astronomy”, *Mercury*, Vol. 34, pp. 3-
- Stassun, K.G.** 2003, “Enhancing Diversity in Astronomy: Minority-Serving Institutions and Research Experiences for Undergraduates Programs”, *Bulletin of the American Astronomical Society*
- Stassun, G. K., Vaz, R. L. P., Mathieu, D. R., & Stroud, N. S.** 2003, “Testing Pre-Main Sequence Evolution Theory Discovery and Analysis of a Young, Low-Mass Eclipsing Binary”, *Open Issues in Local Star Formation*, Vol. 299, pp. 38P-
- Stassun, K. G.** 2001, “A Brief Introduction to DQ Tau”, *The Formation of Binary Stars*, Vol. 200
- Stassun, K. G.** 2001, “A 10 Micron Test of Disk-Regulated Angular Momentum Among Low-Mass Pre-Main Sequence Stars”, *From Darkness to Light: Origin and Evolution of Young Stellar Clusters*, Vol. 243, pp. 599-
- Stassun, K. G., Mathieu, R. D., Mazeh, T., & Vrba, F. J.** 2000, “Examining the case for regulation of pre-main-sequence rotation by circumstellar disks”, *Stellar Clusters and Associations: Convection, Rotation, and Dynamos*, Vol. 198, pp. 309-
- Wood, K., Whitney, B., & Stassun, K.** 2000, “Testing Magnetic Accretion in Classical T Tauri Stars”, *Amateur - Professional Partnerships in Astronomy*, Vol. 220, pp. 404-

PUBLICATIONS—CONTRIBUTED

- Bond, H. E., Exter, K., Smalley, B., Maxted, P., Pollacco, D., & Stassun, K.** 2008, “The Bizarre Eclipsing Nucleus of the Planetary Nebula SuWt 2”, *American Astronomical Society Meeting Abstracts*, Vol. 212, pp. #13.08-
- Grundstrom, E., Slater, T., & Stassun, K.** 2008, “Uncovering Astronomy Students’ Understandings of the Age of the Universe: A Literature Review”, *Bulletin of the American Astronomical Society*, Vol. 40, pp. 241-
- Dhital, S., West, A. A., & Stassun, K. G.** 2007, “Search for Wide M Dwarf Binaries in the Sloan Digital Sky Survey”, *Bulletin of the American Astronomical Society*, Vol. 38, pp. 920-
- Gomez Maqueo Chew, Y., Stassun, K. G., Prsa, A., Cargile, P., & Mathieu, R.** 2007, “Infrared Light Curves of Parenago 1802: A Low Mass, Pre-Main Sequence, Eclipsing Binary”, *Bulletin of the American Astronomical Society*, Vol. 38, pp. 851-
- Aarnio, A., Stassun, K. G., & Matt, S. P.** 2007, “Magnetic Reconnection Events as Contributors to T Tauri Angular Momentum Evolution”, *Bulletin of the American Astronomical Society*, Vol. 38, pp. 850-
- Gomez Maqueo Chew, Y., Stassun, K. G., Richardson, M., Vaz, L. P., Mathieu, R., & Valenti, J.** 2007, “Near-Infrared Light Curves of a Young, Eclipsing Binary of Brown Dwarfs”, *IAU Symposium*, Vol. 240, pp. 330-
- Stassun, K., & Doppmann, G.** 2007, “Benchmarking of Spectral Synthesis Techniques for Determining the Fundamental Physical Properties of Young, Low-mass Stars”, *Bulletin of the American Astronomical Society*, Vol. 38, pp. 199-
- Aarnio, A., & Stassun, K.** 2007, “Magnetic Field-Circumstellar Disk Interaction in T Tauri Stars of the Orion Nebula Cluster”, *Bulletin of the American Astronomical Society*, Vol. 38, pp. 197-

Lockhart, K., Johns-Krull, C. M., **Stassun**, K. G., & Mack, C. 2007, “Accretion of Classical T Tauri Stars in the Orion Nebula and NGC 2264”, *Bulletin of the American Astronomical Society*, Vol. 38, pp. 197-

Smith, N., Whitney, B., Alexander, R., Churchwell, E., Meade, M., Babler, B., Indebetouw, R., **Stassun**, K., & Bally, J. 2007, “Discovery of Hundreds of Transition Disk Candidates in the Carina Nebula”, *Bulletin of the American Astronomical Society*, Vol. 38, pp. 154-

Stassun, K., Ardila, D., Matt, S., & Feigelson, E. 2006, “Statistical Analysis of the Relationship Between Rotation, Disks, and X-rays Among Low-Mass Pre-Main-Sequence Stars”, *Bulletin of the American Astronomical Society*, Vol. 38, pp. 1203-

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