

Summary

18 peer-reviewed publications | 8 lead-author | 390+ citations | *h*-index = 11 | *i*10 = 11

1. Peer-reviewed original articles

2016

- * 17 *Magnetic Inhibition of Convection and the Fundamental Properties of Low-Mass Stars. III. A Consistent 10 Myr Age for the Upper Scorpius OB Association*
Feiden, G. A.
Astronomy & Astrophysics, accepted: Mar 2016.
11 pp. — [LINK](#)

2015

16. *How to Constrain Your M Dwarf: Measuring Effective Temperature, Bolometric Luminosity, Mass, and Radius*
Mann, A. W.; **Feiden, G. A.**; Gaidos, E.; Boyajian, T.; & von Braun, K.
2015, *The Astrophysical Journal*, 804, 64.
38 pp. — 26 citations — [LINK](#)
15. *Kepler-445, Kepler-446, and the Occurrence of Compact Multiples Orbiting Mid-M Dwarf Stars*
Muirhead, P. S.; Mann, A. W.; Vanderburg, A.; Morton, T. D.; Kraus, A.; Ireland, M.; Swift, J. J.; **Feiden, G. A.**; Gaidos, E.; & Gazak, J. Z.
2015, *The Astrophysical Journal*, 801, 18.
15 pp. — 7 citations — [LINK](#)
14. *Stellar Diameters and Temperature VI. High angular resolution measurements of the transiting exoplanet host stars HD 189733 and HD 209458 and implications for models of cool dwarfs*
Boyajian, T. S., von Braun, K., **Feiden, G. A.**, Huber, D.; Basu, S.; Demarque, P.; Fischer, D. A.; Schaefer, G.; Mann, A. W.; White, T. R.; Maestro, V.; Brewer, J.; Lamell, C. B.; Spada, F.; López-Morales, M.; Ireland, M.; Farrington, C.; van Belle, G. T.; Kane, S. R.; Jones, J.; ten Brummelaar, T. A.; Ciardi, D. R.; McAlister, H. A.; Ridgway, S.; Goldfinger, P. J.; Turner, N. H.; & Sturmann, L.
2015, *Monthly Notices of the Royal Astronomical Society*, 447, 846.
12 pp. — 6 citations — [LINK](#)

2014

13. *The G+M Eclipsing Binary V530 Orionis: A Stringent Test of Magnetic Stellar Evolution Models for Low-Mass Stars*
Torres, G.; Lacy, C. H. S.; Pavlovski, K.; **Feiden, G. A.**; Sabby, J. A.; Bruntt, H.; & Clausen, J. V.
2014, *The Astrophysical Journal*, 797, 31.
16 pp. — 4 citations — [LINK](#)
12. *Revised age for CM Draconis and WD 1633+572: Toward a resolution of model–observation radius discrepancies*
Feiden, G. A. & Chaboyer, B.
2014, *Astronomy & Astrophysics*, 571, A70.
7 pp. — 3 citations — [LINK](#)
11. *BANYAN. IV. Fundamental Parameters of Low-Mass Star Candidates in Nearby Young Stellar Kinematic Groups—Isochronal Age Determination Using Magnetic Evolutionary Models*
Malo, L.; Doyon, R.; **Feiden, G. A.**; Albert, L.; Lafrenière, D.; Artigau, É.; Gagné, J.; & Riedel, A.
2014, *The Astrophysical Journal*, 792, 37.
17 pp. — 35 citations — [LINK](#)

10. *Magnetic Inhibition of Convection and the Fundamental Properties of Low-Mass Stars. II. Fully Convective Main Sequence Stars*
Feiden, G. A. & Chaboyer, B.
2014, *The Astrophysical Journal*, 787, 53.
17 pp. — 17 citations — [LINK](#)

9. *Characterizing the Cool KOIs. VI. H- and K-Band Spectra of Kepler M Dwarf Planet-Candidate Hosts*
Muirhead, P. S.; Becker, J.; **Feiden, G. A.**; Rojas-Ayala, B.; Vanderburg, A.; Price, E. M.; Thorp, R.; Law, N. M.; Riddle, R.; Baranec, C.; Hamren, K.; Schlawin, E.; Covey, K. R.; Johnson, J. A.; Lloyd, J. P.
2014, *The Astrophysical Journal Supplement*, 213, 5.
12 pp. — 25 citations — [LINK](#)

2013

8. *Magnetic Inhibition of Convection and the Fundamental Properties of Low-Mass Stars. I. Stars with a Radiative Core*
Feiden, G. A. & Chaboyer, B.
2013, *The Astrophysical Journal*, 779, 183.
25 pp. — 42 citations — [LINK](#)
7. *The Interior Structure Constants as an Age Diagnostic for Low-Mass, Pre-Main-Sequence Detached Eclipsing Binary Stars*
Feiden, G. A. & Dotter, A.
2013, *The Astrophysical Journal*, 765, 86.
7 pp. — 2 citations — [LINK](#)

2012

6. *Self-Consistent Magnetic Stellar Evolution Models of the Detached, Solar-Type Eclipsing Binary EF Aquarii*
Feiden, G. A. & Chaboyer, B.
2012, *The Astrophysical Journal*, 761, 30.
15 pp. — 34 citations — [LINK](#)
5. *The Metallicity of the CM Draconis System*
Terrien, R. C.; Fleming, S. W.; Mahadevan, S.; Deshpande, R.; **Feiden, G. A.**; Bender, C. F.; & Ramsey, L. W.
2012, *The Astrophysical Journal Letters*, 760, L9.
6 pp. — 17 citations — [LINK](#)
4. *Age and helium content of the open cluster NGC 6791 from multiple eclipsing binary members II. age dependencies and new insights*
Brogaard, K.; VandenBerg, D. A.; Bruntt, H.; Grundahl, F.; Frandsen, S.; Bedin, L. R.; Milone, A. P.; Dotter, A.; **Feiden, G. A.**; Stetson, P. B.; Sandquist, E.; Miglio, A.; Stello, D.; & Jessen-Hansen, J.
2012, *Astronomy & Astrophysics*, 543, A106.
17 pp. — 65 citations — [LINK](#)
3. *Reevaluating the Mass-Radius Relation for Low-Mass, Main Sequence Stars*
Feiden, G. A. & Chaboyer, B.
2012, *The Astrophysical Journal*, 757, 42.
16 pp. — 41 citations — [LINK](#)

20112. *Accurate Low-Mass Stellar Models of KOI-126***Feiden, G. A.**, Chaboyer, B., & Dotter, A.2011, *The Astrophysical Journal Letters*, 739, L25.5 pp. — 37 citations — [LINK](#)**2007**1. *Period-colour and amplitude-colour relations in classical Cepheid variables – V. The Small Magellanic Cloud Cepheid models*Kanbur, S., Ngeow, C., & **Feiden, G. A.**2007, *Monthly Notices of the Royal Astronomical Society*, 380, 819.9 pp. — 7 citations — [LINK](#)**2. Peer-reviewed conference contributions**11. *Stellar Evolution Models of Young Stars: Progress and Limitations***Feiden, G. A.**

2016, “Young Stars and Planets Near the Sun,” IAU Symposium, 314.

6 pp. — 1 citation — [LINK](#)10. *Pilot Study: Assessing Student Perception of the Collaborative Annotation Platform Open Rev in a Classroom Environment***Feiden, G. A.**

2015, on Authorea, review in Academic Teacher Training at Uppsala University.

9 pp. — [LINK](#)9. *Eclipsing Binaries as Tests of Low-Mass Stellar Evolution Theory***Feiden, G. A.** 2015, “Living Together: Planets, Host Stars, and Binaries,” *PASP Conference Series*, 496, 137 – 151.15 pp. — 1 citation — [LINK](#)8. *The Benchmark Eclipsing Binary V530 Ori: A Critical Test of Magnetic Evolution Models for Low-Mass Stars*Torres, G.; Lacy, C. H. S.; Pavlovski, K.; **Feiden, G. A.**; Sabby, J. A.; Bruntt, H.; & Clausen, J. V.2015 “Living Together: Planets, Host Stars, and Binaries,” *PASP Conference Series*, 496, 169 – 173.5 pp. — 1 citation — [LINK](#)7. *Spectroscopic Study of the Low-Mass Benchmark Eclipsing Binary UV Piscium***Feiden, G. A.**; Stempels, H. C.; Hebb, L.; Mack, C. E., III; & Chaboyer, B.2015, “Living Together: Planets, Host Stars, and Binaries,” *PASP Conference Series*, 496, 174.1 pp. — [LINK](#)6. *Touchstone Stars: Highlights from the Cool Stars 18 Splinter Session*Mann, A. W.; Kraus, A.; Boyajian, T. S.; Gaidos, E.; von Braun, K.; **Feiden, G. A.**; Metcalfe, T.; Swift, J. J.; Curtis, J. L.; Deacon, N. R.; Filippazzo, J. C.; Gillen, E.; Hejazi, N.; & Newton, E. R.

2015, in proceedings of “The 18th Cambridge Workshop on Cool Stars, Stellar Systems, and the Sun,” 80 – 104.

25 pp. — 1 citation — [LINK](#)5. *Updating the Dartmouth Stellar Evolution Model Grid: Pre-Main-Sequence Models & Magnetic Fields***Feiden, G. A.**; Jones, J.;[†] & Chaboyer, B.

2015, “The 18th Cambridge Workshop on Cool Stars, Stellar Systems, and the Sun,” 171 – 176.

3 pp. — 3 citations — [LINK](#)

4. *Prospects for the BANYAN search of low-mass moving group members with Gaia, and the importance of magnetic fields for isochrone age determination*
Malo, L.; Gagne, J.; Doyon, R.; Lafreniere, D.; Artigau, E.; **Feiden, G. A.**; & Albert, L.
2014, “Gaia and the Unseen. The Brown Dwarf Question,” MmSAI, 85, 715.
4 pp. — [LINK](#)
3. *Do Magnetic Fields Actually Inflate Low-Mass Stars?*
Feiden, G. A. & Chaboyer, B.
2014, “Magnetic Fields Throughout Stellar Evolution,” IAU Symposium, 302, 150.
4 pp. — 1 citation — [LINK](#)
2. *Magnetic Field Induced Radius Inflation of Low-Mass Stars*
Feiden, G. A. & Chaboyer, B.
2013, “Setting a new standard in the analysis of binary stars,” EAS Publication Series, 64, 127.
4 pp. — [LINK](#)
1. *Parallaxes of metal-poor main-sequence stars*
Chaboyer, B.; **Feiden, G. A.**; Benedict, G. F.; McArthur, B. E.; Harrison, T. E.; McWilliam, A.; Nelan, E. P.; Patterson, R. J.; & Sarajedini, A.
2013, “Advancing the Physics of Cosmic Distances,” IAU Symposium, 289, 87.
4 pp. — [LINK](#)

3. Monographs

1. *Dartmouth Magnetic Evolutionary Stellar Tracks and Relations*
Feiden, G. A.
2013, Ph.D. Thesis, ProQuest, ISBN 9781303770432.
343 pp. — 2 citations — [LINK](#)

4. Research review articles

2. *Pre-Main-Sequence Stellar Structure and Evolution*
Feiden, G. A.
Commissioned in Feb 2016, Publications of the Astronomical Society of the Pacific.
1. *Empirical Tests of Pre-Main-Sequence Stellar Evolution Models with Young Eclipsing Binary Stars*
Stassun, K. G.; **Feiden, G. A.**; & Torres, G.
2014, New Astronomy Reviews, 60, 1.
28 pp. — 15 citations — [LINK](#)

5. Books and book chapters

N/A

6. Popular science publications