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Peer-reviewed First-author Publications

Advisee authors are underlined.

16. **Schlaufman, K. C.** & Halpern, N. D. 2020, "The Occurrence-weighted Median Planets Discovered by Transit Surveys and Their Implications for Planet Formation and Evolution", *AAS Journals*, [submitted](#)
15. **Schlaufman, K. C.**, Thompson, I. B., & Casey, A. R. 2018, "An Ultra Metal-poor Star Near the Hydrogen-burning Limit", *Astrophysical Journal*, [867, 98](#)
14. **Schlaufman, K. C.** 2018, "Evidence of an Upper Bound on the Masses of Planets and Its Implications for Giant Planet Formation", *Astrophysical Journal*, [853, 37](#)
13. **Schlaufman, K. C.** & Winn J. N. 2016, "The Occurrence of Additional Giant Planets Inside the Water-Ice Line in Systems with Hot Jupiters: Evidence Against High-Eccentricity Migration", *Astrophysical Journal*, [825, 62](#)
12. **Schlaufman, K. C.** 2015, "A Continuum of Planet Formation between 1 and 4 Earth Radii", *Astrophysical Journal Letters*, [799, L26](#)
11. **Schlaufman, K. C.** & Casey, A. R. 2014, "The Best and Brightest Metal-poor Stars", *Astrophysical Journal*, [797, 13](#)
10. **Schlaufman, K. C.** 2014, "Tests of in situ Formation Scenarios for Compact Multiplanet Systems", *Astrophysical Journal*, [790, 91](#)
9. **Schlaufman, K. C.** & Winn, J. N. 2013, "Evidence for the Tidal Destruction of Hot Jupiters by Subgiant Stars", *Astrophysical Journal*, [772, 143](#)
8. **Schlaufman, K. C.**, Rockosi, C. M., Lee, Y. S., et al. 2012, "Insight Into the Formation of the Milky Way through Cold Halo Substructure. III. Statistical Chemical Tagging in the Smooth Halo", *Astrophysical Journal*, [749, 77](#)
7. **Schlaufman, K. C.** & Laughlin, G. 2011, "Kepler Exoplanet Candidate Host Stars Are Preferentially Metal Rich", *Astrophysical Journal*, [738, 177](#)
6. **Schlaufman, K.C.**, Rockosi, C. M., Lee, Y. S., Beers, T. C., & Allende Prieto, C. 2011, "Insight into the Formation of the Milky Way through Cold Halo Substructure. II. The Elemental Abundances of ECHOS", *Astrophysical Journal*, [734, 49](#)
5. **Schlaufman, K. C.**, Lin, D. N. C., & Ida, S. 2010, "A Population of Very Hot Super-Earths in Multiple-planet Systems Should be Uncovered by Kepler", *Astrophysical Journal Letters*, [724, L53](#)
4. **Schlaufman, K. C.** & Laughlin, G. 2010, "A physically-motivated photometric calibration of M Dwarf metallicity", *Astronomy & Astrophysics*, [519, A105](#)
3. **Schlaufman, K. C.** 2010, "Evidence of Possible Spin-orbit Misalignment Along the Line of Sight in Transiting Exoplanet Systems", *Astrophysical Journal*, [719, 602](#)
2. **Schlaufman, K. C.**, Rockosi, C. M., Allende Prieto, C., et al. 2009, "Insight into the Formation of the Milky Way Through Cold Halo Substructure. I. The ECHOS of Milky Way Formation", *Astrophysical Journal*, [703, 2177](#)
1. **Schlaufman, K. C.**, Lin, D. N. C., & Ida, S. 2009, "The Signature of the Ice Line and Modest Type I Migration in the Observed Exoplanet Mass-Semimajor Axis Distribution", *Astrophysical Journal*, [691, 1321](#)

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8. Woody, T. & **Schlaufman, K. C.** 2020, "The Age–Metallicity–Specific Orbital Energy Relation for the Milky Way’s Globular Cluster System Confirms the Importance of Accretion for Its Formation", *AAS Journals*, [submitted](#)
7. Chandra, V. & **Schlaufman, K. C.** 2020, "Searching for Low-mass Population III Stars Disguised as White Dwarfs", *AAS Journals*, [submitted](#)

6. Lu, C. X., **Schlaufman, K. C.**, & Cheng, S. 2020, "An Increase in Small Planet Occurrence with Metallicity for Late-type Dwarf Stars in the Kepler Field and Its Implications for Planet Formation", *Astronomical Journal*, 160, 253
5. Reggiani, H., **Schlaufman, K. C.**, Casey, A. R., & Ji, A. P. 2020, "The Most Metal-poor Stars in the Inner Bulge", *Astronomical Journal*, 160, 173
4. Hamer, J. H. & **Schlaufman, K. C.** 2020, "Ultra-short-period Planets are Stable Against Tidal Inspiral", *Astronomical Journal*, 160, 138
3. Hamer, J. H. & **Schlaufman, K. C.** 2019, "Hot Jupiters are Destroyed by Tides While Their Host Stars Are on the Main Sequence", *Astronomical Journal*, 158, 190
2. Casey, A. R. & **Schlaufman, K. C.** 2017, "The Universality of the Rapid Neutron-capture Process Revealed by a Possible Disrupted Dwarf Galaxy Star", *Astrophysical Journal*, 850, 179
1. Casey, A. R. & **Schlaufman, K. C.** 2015, "Chemistry of the Most Metal-poor Stars in the Bulge and the $z \geq 10$ Universe", *Astrophysical Journal*, 809, 110

Peer-reviewed Nth-author Publications

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26. Aguilar, J., Pueyo, L., Nilsson, R., et al. 2020, "Discovery of a Low-mass Stellar Companion to 102 Aqr Using High-contrast Imaging", *Astronomical Journal*, submitted
25. Hwang, H.-C., Ting, Y.-S., **Schlaufman, K. C.**, Zakamska, N. L., & Wyse, R. F. G. 2020, "The non-monotonic, strong metallicity dependence of the wide-binary fraction", *Monthly Notices of the Royal Astronomical Society*, submitted
24. Hwang, H.-C., Hamer, J. H., Zakamska, N. L., & **Schlaufman, K. C.** 2020, "Very wide companion fraction from Gaia DR2: A weak or no enhancement for hot Jupiter hosts, and a strong enhancement for contact binaries", *Monthly Notices of the Royal Astronomical Society*, 497, 2250
23. Dai, F., Winn, J. N., **Schlaufman, K.**, et al. 2020, "CKS IX: Revisiting the Minimum-Mass Extrasolar Nebula with Precise Stellar Parameters", *Astronomical Journal*, 159, 247
22. Norfolk, B. J., Casey, A. R., Miles, M. T., et al. 2019, "Discovery of s-process enhanced stars in the LAMOST survey", *Monthly Notices of the Royal Astronomical Society*, 490, 2219
21. Casey, A. R., Ho, A. Y. Q., Ness, M., et al. 2019, "Tidal Interactions between Binary Stars Can Drive Lithium Production in Low-mass Red Giants", *Astrophysical Journal*, 880, 125
20. Kemp, A. J., Casey, A. R., Miles, M. T., et al. 2018, "On the discovery of K-enhanced and possibly Mg-depleted stars throughout the Milky Way", *Monthly Notices of the Royal Astronomical Society*, 480, 1384
19. Casey, A. R., Kennedy, G. M., Hartle, T. R., & **Schlaufman, K. C.** 2018, "Infrared colours and inferred masses of metal-poor giant stars in the Kepler field", *Monthly Notices of the Royal Astronomical Society*, 478, 2812
18. Winn, J. N., Petigura, E. A., Morton, T. D., et al. 2017, "Constraints on Obliquities of Kepler Planet-hosting Stars", *Astronomical Journal*, 154, 270
17. Winn, J. N., Sanchis-Ojeda, R., Rogers, L., et al. 2017, "Absence of a Metallicity Effect for Ultra-short-period Planets", *Astronomical Journal*, 154, 60
16. Casey, A. R., Keller, S. C., Alves-Brito, A., et al. 2014, "The Aquarius comoving group is not a disrupted classical globular cluster", *Monthly Notices of the Royal Astronomical Society*, 443, 828
15. Abbott, B., Abbott, R., Adhikari, R., et al. 2006, "Joint LIGO and TAMA300 search for gravitational waves from inspiralling neutron star binaries", *Physical Review D*, 73, 102002
14. Abbott, B., Abbott, R., Adhikari, R., et al. 2006, "Search for gravitational waves from binary black hole inspirals in LIGO data", 2006, *Physical Review D*, 73, 062001
13. Abbott, B., Abbott, R., Adhikari, R., et al. 2005, "Upper limits from the LIGO and TAMA detectors on the rate of gravitational-wave bursts", *Physical Review D*, 72, 102004

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11. Abbott, B., Abbott, R., Adhikari, R., et al. 2005, "Search for gravitational waves from primordial black hole binary coalescences in the galactic halo", *Physical Review D*, 72, 082002
10. Abbott, B., Abbott, R., Adhikari, R., et al. 2005, "Search for gravitational waves from galactic and extra-galactic binary neutron stars", *Physical Review D*, 72, 082001
9. Abbott, B., Abbott, R., Adhikari, R., et al. 2005, "Upper limits on gravitational wave bursts in LIGO's second science run", *Physical Review D*, 72, 062001
8. Abbott, B., Abbott, R., Adhikari, R., et al. 2005, "Search for gravitational waves associated with the gamma ray burst GRB030329 using the LIGO detectors" *Physical Review D*, 72, 042001
7. Abbott, B., Abbott, R., Adhikari, R., et al. 2005, "Limits on Gravitational-Wave Emission from Selected Pulsars Using LIGO Data", *Physical Review Letters*, 94, 181103
6. Abbott, B., Abbott, R., Adhikari, R., et al. 2004, "Analysis of first LIGO science data for stochastic gravitational waves", *Physical Review D*, 69, 122004
5. Abbott, B., Abbott, R., Adhikari, R., et al. 2004, "Analysis of LIGO data for gravitational waves from binary neutron stars", *Physical Review D*, 69, 122001
4. Abbott, B., Abbott, R., Adhikari, R., et al. 2004, "First upper limits from LIGO on gravitational wave bursts", *Physical Review D*, 69, 102001
3. Abbott, B., Abbott, R., Adhikari, R., et al. 2004, "Setting upper limits on the strength of periodic gravitational waves from PSR J1939+2134 using the first science data from the GEO 600 and LIGO detectors", *Physical Review D*, 69, 082004
2. Allen, B., Woan, G., LIGO Scientific Collaboration, et al. 2004, "Upper limits on the strength of periodic gravitational waves from PSR J1939+2134", *Classical and Quantum Gravity*, 21, S671
1. Abbott, B., Abbott, R., Adhikari, R., et al. 2004, "Detector description and performance for the first coincidence observations between LIGO and GEO", *Nuclear Instruments and Methods in Physics Research A*, 517, 154