

JJ Hermes, Full Publication CV

Assistant Professor of Astronomy, Boston University
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Professional Appointments

- Assistant Professor of Astronomy, [Boston University](#), 2019–
- NASA Hubble Fellow, [University of North Carolina at Chapel Hill](#), 2015–2018
- ERC Postdoctoral Research Fellow, [University of Warwick](#), 2013–2015
- Reporter, [The Chronicle of Higher Education](#), 2007–2008

Education

- University of Texas at Austin, Ph.D. (Advisors: [Don Winget](#) & [Mike Montgomery](#)), August 2013
- University of Texas at Austin, B.S. Physics, B.A. Astronomy, May 2007

Professional Service

Leadership & Advisory Roles

- Member, Zwicky Transient Facility II Community Science Advisory Committee, 2020–
- Steering Committee, *TESS* Asteroseismology Consortium (TASC), 2017–
- Co-Chair, *TESS* Asteroseismology Consortium (TASC) Working Group 8 (Compact Objects), 2017–
- Deputy Chair, K2 Users Panel, 2016–

Conference Organizing Committees

- Member, Scientific Organizing Committee, *TESS* Science Conference II, Boston, MA, 2021 August
- Chair, Scientific Organizing Committee, TASC5/KASC12 Workshop, Boston, MA, 2019 July
- Co-Chair, Scientific Organizing Committee, *Kepler*/K2 Science Conference V, Glendale, CA, 2019 March
- Member, Scientific Organizing Committee, 4th TASC Meeting, Aarhus, Denmark, 2018 July
- Member, Scientific Organizing Committee, *Kepler*/K2 Science Conference IV, NASA Ames, 2017 June

Peer Review

- NASA Keck Telescope Allocation Committee, 2020–
- NASA ADAP & XRP Review Panelist; NSF GRFP Review Panelist; STFC Reviewer
- Panelist, *Chandra* Cycle 20 TAC, 2018 June; Panelist, *HST* Cycle 25 TAC, 2017 June
- Journal referee for *Nature*, *Science Advances*, *The Astrophysical Journal*, *MNRAS*, and *A&A*

External Research Support

- 2019, *HST* Cycle 26 #15871 & #15915, Co-I, **\$22,824**: *UV properties of supernova survivors*
- 2019, *TESS* Cycle 2 GI Proposal, **PI, \$50,000**: *“White Dwarf Variability in the Ecliptic North”*
- 2019, NSF AAG, **Co-PI, \$428,031**: *“Collaborative Research: The Coeval Degenerates Survey”*
- 2018, *TESS* Cycle 1 GI Proposal, **PI, \$50,000**: *“White Dwarf Variability in the Ecliptic South”*
- 2018, K2 Cycle 6 GO Proposal, **PI, \$50,000**: *“K2 Observations of Variable WDs in Fields 17, 18 and 19”*
- 2017, K2 Cycle 5 GO Proposal, **PI, \$50,000**: *“K2 Observations of Variable WDs in Fields 14, 15 and 16”*
- 2017, *HST* Cycle 25 #15073, Co-I, **\$59,775**: *“Extreme evolved solar systems”*
- 2017, *HST* Cycle 25 #15072, Co-I, **\$10,229**: *“Classical novae hibernation: a definitive confirmation”*
- 2017, *HST* Cycle 24 #14912, Co-I, **\$5,085**: *“High-precision asteroseismology of GW Lib”*
- 2016, *HST* Cycle 24 #14691, **PI, \$61,962**: *“Unraveling the oscillations of the richest pulsating WD”*
- 2016, K2 Cycle 4 GO Proposal, **PI, \$50,000**: *“K2 Observations of Variable WDs in Fields 11, 12 and 13”*
- 2015, Hubble Fellowship, **\$348,157**: *“Breaking New Ground: Measuring Interiors in the Stellar Graveyard”*
- 2015, *HST* Cycle 23 #14076, Co-I, **\$12,273**: *“A legacy UV spectroscopic survey of the 13pc WD sample”*
- 2013, *Kepler* Cycle 5 GO Proposal, Co-I, **\$43,695**: *“Kepler’s Active DAV”*
- 2012, *Kepler* Cycle 4 GO Proposal, Co-I, **\$81,040**: *“Kepler’s Unique DAV”*
- 2011, UT Longhorn Innovation for Teaching Grant, **Co-PI, \$74,090**: *“Remote Undergraduate Observing”*

Selected Awarded Telescope Proposals

- 2019, 4 nights NOAO, 4.1-m SOAR telescope: Goodman spectroscopy [PI, 2019B-0125]
- 2019, 1346 short-cadence targets, *TESS* Sectors 14-26, *TESS* Space Telescope [PI, G022028]
- 2018, 399 short-cadence targets, *K2* Campaigns 1-19, *Kepler* Space Telescope [PI, 6 GO programs]
- 2018, 9 nights NOAO, 4.1-m SOAR telescope: Goodman spectroscopy [PI, 2018A-0188 & 2018B-0138]
- 2017, 150 orbits, Cycle 25, *Hubble* Space Telescope: COS [Co-I, Programs 15072, 15073 & 15431]
- 2017, 8 nights NOAO, 4.1-m SOAR telescope: Goodman spectroscopy [PI, 2017A-0212 & 2017B-0125]
- 2016, 6 orbits, Cycle 24, *Hubble* Space Telescope: COS [PI, Program 14691]
- 2016, 11 hr, 9.8-m Southern African Large Telescope: RSS [PI, 2016-1-SCI-017 & 2016-2-SCI-030]
- 2015, 5 hr, 8-m Very Large Telescope: UVES [PI, ESO 095.D-0409]
- 2015, 4 nights, 3.6-m New Technology Telescope: EFOSC2 [PI, ESO 095.D-0406]
- 2015, 13 nights, 2.5-m Isaac Newton Telescope: IDS [PI, I/2015A/P04, I/2014B/P06]
- 2014, 4 nights, 4.2-m William Herschel Telescope: ISIS/ULTRACAM [PI, 2014A/P14 & 2014A/P15]
- 2013, 2.7 hr, 8-m Very Large Telescope: FORS2 [PI, ESO 093.D-0300]
- 2012, 101 nights, 2.1-m Telescope, McDonald Observatory: Argos high-speed photometry [PI]

Invited Talks (Additional Contributed Talks Online: speakerdeck.com/jjhermes)

Colloquia:

- IfA / U. Hawaii (2018-05-16)
- NRAO / U. Virginia (2017-11-09)
- University of Texas at Austin (2017-10-31)
- The Ohio State University (2017-10-19)
- Louisiana State University (2016-10-21)
- University of Montreal (2016-04-07)
- University of Toronto (2016-04-01)
- Wesleyan University (2016-02-24)
- Keele University (2014-11-19)
- Armagh Observatory (2014-03-13)
- University of Washington (2013-10-31)

Invited Reviews:

- Hydrogen Deficient Stars; Armagh, UK (2018-09-11)
- PHysics of Oscillating STars; France (2018-09-05)
- 10th KASC Workshop; Birmingham, UK (2017-07-18)
- Rotation, pulsation & chemical peculiarities in stars; Windermere, Cumbria, UK (2016-09-14)
- K2 SciCon; Santa Barbara, CA (2015-11-03)
- 8th KASC Workshop; Aarhus, Denmark (2015-06-15)
- RAS Specialist Meeting on Asteroseismology, London, UK (2015-05-08)
- 6th KASC Workshop; Sydney, Australia (2013-06-27)
- Planets Around Stellar Remnants; Arecibo, Puerto Rico (2012-01-24)

Selected Press Coverage

- A class of partly burnt runaway supernovae remnants ([Raddi et al. 2019](#))
[Scientific American](#): Zombie Stars Shine On after Mystery Detonations
- Core crystallization and pile-up in the cooling sequence of white dwarfs ([Tremblay et al. 2019](#))
[Los Angeles Times](#): One day our sun will solidify into a giant crystal orb
- Confirmation of outbursts in the coolest pulsating white dwarfs ([Hermes et al. 2015b](#))
[Sky & Telescope](#): White Dwarf Stars with Hiccups
- The cleanest indirect detection of gravitational waves using visible light ([Hermes et al. 2012c](#))
[Nature](#): Stellar duo tests Einstein's theory
[BBC News](#): Gravitational waves spotted from white-dwarf pair
- Discovery of the most massive pulsating white dwarf, GD 518 ([Hermes et al. 2013c](#))
[Astronomy Magazine](#): Astronomers discover pulsations from crystalized dying star
- Discovery of the 12.75-minute WD+WD binary J0651+2844 ([Brown et al. 2011](#))
[National Geographic](#): "Death Dance" Stars Found — May Help Prove Einstein Right

Teaching and Outreach

- **Instructor:** CAS AS 102, “The Astronomical Universe,” Boston University, Spring 2019, Spring 2020
- **Instructor:** CAS AS 105, “Alien Worlds,” Boston University, Fall 2019, Fall 2020
- **Instructor:** GRS AS 850, “Astrophysics Seminar,” Boston University, Fall 2020, Spring 2021
- **Instructor:** AST 152M, UT-Austin, Fall 2010
- **Supervision** of research led by graduate students Tyler Heintz (BU, ongoing) & Aislynn Wallach (BU, ongoing) & Isaac Lopez (BU, 2019); undergraduates Odelia Putterman (BU), Alex Granados (Wellesley), Huyongqing Chen (BU), Kera Regan-Byrne (BU, 2019), & Krishan Kumar (BU, 2019)
- **Co-supervision** of research led by graduate students Ben Roulston (BU + Harvard/CfA, ongoing), Zach Vanderbosch (UT-Austin, ongoing), Josh Reding (UNC, ongoing), & Ben Kaiser (UNC, ongoing); undergraduates Joseph Guidry (UT-Austin), Stephen Fanale (UNC, 2017), Brandon Castillo (UNC, 2018), & George Miller (UT-Austin, 2011)
- **Outreach talks:** Astronomy on Tap Boston (2020 March); Amateur Telescope Makers of Boston (2019 October); Galloway Ridge Retirement Community, Pittsboro, NC (2018 June); Holly Springs High School, Holly Springs, NC (2018 March); Staunton River Star Party, Staunton, VA (2017 October); CHAOS Astronomical and Observational Society, Chapel Hill, NC (2016 March); *Astronomy Days*, North Carolina Museum of Natural Sciences, Raleigh, NC (2016-2018 January); National Space Academy, Leicester, UK (2013 November); Elm Grove Elementary School, Austin, TX (2011 April)
- **Founding organizer and host:** Astronomy on Tap Triangle (<https://twitter.com/aottriangle>), a monthly outreach event at Fullsteam Brewery, Durham, NC

Fellowships and Awards

- 2015: **Hubble Fellowship**, 2015-18
- 2015: **65th Lindau Nobel Laureate Meeting**, selected as participating young scientist
- 2013: **David Benfield Memorial Fellowship in Astronomy**, UT-Austin
- 2012: **Fred T. Goetting, Jr. Memorial Endowed Presidential Fellowship**, UT-Austin

Contact Information:

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Last updated: December 31, 2020

JJ Hermes: Publications

Refereed citations: 2398 Total refereed citations of first-author refereed publications: 647

h-index: 29

(as of December 31, 2020)

Textbooks

3. S. B. Howell, ed., 2020, *The NASA Kepler Mission*, 2514-3433 (IOP Publishing).
Invited contribution to chapter on 'Stellar Astrophysics with Kepler and K2,' edited by Steve B. Howell (2020)
[The NASA Kepler Mission, 2020, IOP Publishing Ltd](#)
2. **Hermes, J. J.**, 2018, *Timing by Stellar Pulsations as an Exoplanet Discovery Method*, *Handbook of Exoplanets*, Springer International Publishing, 6.
Invited review to appear in 'Handbook of Exoplanets,' Springer Reference Works, edited by Hans J. Deeg and Juan Antonio Belmonte [Handbook of Exoplanets, 2018, Springer](#)
1. Winget, D. E., **Hermes, J. J.**, Shawl, S. J., Ashman, K., & Hufnagel, B., 2011, *We're Texas: Astronomy* (Kendall Hunt).
Don Winget and I adapted an astronomy textbook for non-major undergraduates. I contributed a section at the end of each chapter localizing the subject matter to research being done at UT-Austin, and the textbook retails for significantly less than most introductory astronomy texts. [Amazon link, ISBN-10: 0757599192](#)

First-Author Refereed Publications

18. ["The plunging pirouette of two low-mass stars,"](#) **Hermes, J. J.**, 2019, *Nature Astronomy*, 3, 690.
17. ["White Dwarf Rotation as a Function of Mass and a Dichotomy of Mode Line Widths: Kepler Observations of 27 Pulsating DA White Dwarfs through K2 Campaign 8,"](#) **Hermes, J. J.**, Gänsicke, B. T., Kawaler, S. D., Greiss, S., Tremblay, P.-E., Gentile Fusillo, N. P., Raddi, R., Fanale, S. M., Bell, K. J., Dennihy, E., Fuchs, J. T., Dunlap, B. H., Clemens, J. C., Montgomery, M. H., Winget, D. E., Chote, P., Marsh, T. R., & Redfield, S., 2017c, *ApJS*, 232, 23.
16. ["Evidence from K2 for Rapid Rotation in the Descendant of an Intermediate-mass Star,"](#) **Hermes, J. J.**, Kawaler, S. D., Romero, A. D., Kepler, S. O., Tremblay, P.-E., Bell, K. J., Dunlap, B. H., Montgomery, M. H., Gänsicke, B. T., Clemens, J. C., Dennihy, E., & Redfield, S., 2017d, *ApJ*, 841, L2.
15. ["When flux standards go wild: white dwarfs in the age of Kepler,"](#) **Hermes, J. J.**, Gänsicke, B. T., Gentile Fusillo, N. P., Raddi, R., Hollands, M. A., Dennihy, E., Fuchs, J. T., & Redfield, S., 2017b, *MNRAS*, 468, 1946.
14. ["A Deep Test of Radial Differential Rotation in a Helium-atmosphere White Dwarf. I. Discovery of Pulsations in PG 0112+104,"](#) **Hermes, J. J.**, Kawaler, S. D., Bischoff-Kim, A., Provencal, J. L., Dunlap, B. H., & Clemens, J. C., 2017, *ApJ*, 835, 277.
13. ["A Second Case of Outbursts in a Pulsating White Dwarf Observed by Kepler,"](#) **Hermes, J. J.**, Montgomery, M. H., Bell, K. J., Chote, P., Gänsicke, B. T., Kawaler, S. D., Clemens, J. C., Dunlap, B. H., Winget, D. E., & Armstrong, D. J., 2015c, *ApJ*, 810, L5.
12. ["Insights into internal effects of common-envelope evolution using the extended Kepler mission,"](#) **Hermes, J. J.**, Gänsicke, B. T., Bischoff-Kim, A., Kawaler, S. D., Fuchs, J. T., Dunlap, B. H., Clemens, J. C., Montgomery, M. H., Chote, P., Barclay, T., Marsh, T. R., Gianninas, A., Koester, D., Winget, D. E., Armstrong, D. J., Rebassa-Mansergas, A., & Schreiber, M. R., 2015a, *MNRAS*, 451, 1701.

11. [“Heavy metals in a light white dwarf: abundances of the metal-rich, extremely low-mass GALEX J1717+6757,”](#) **Hermes, J. J.**, Gänsicke, B. T., Koester, D., Bours, M. C. P., Townsley, D. M., Farihi, J., Marsh, T. R., Littlefair, S., Dhillon, V. S., Gianninas, A., Breedt, E., & Raddi, R., 2014c, MNRAS, 444, 1674.
10. [“Radius Constraints from High-speed Photometry of 20 Low-mass White Dwarf Binaries,”](#) **Hermes, J. J.**, Brown, W. R., Kilic, M., Gianninas, A., Chote, P., Sullivan, D. J., Winget, D. E., Bell, K. J., Falcon, R. E., Winget, K. I., Mason, P. A., Harrold, S. T., & Montgomery, M. H., 2014b, ApJ, 792, 39.
9. [“Precision Asteroseismology of the Pulsating White Dwarf GD 1212 Using a Two-wheel-controlled Kepler Spacecraft,”](#) **Hermes, J. J.**, Charpinet, S., Barclay, T., Pakštienė, E., Mullally, F., Kawaler, S. D., Bloemen, S., Castanheira, B. G., Winget, D. E., Montgomery, M. H., Van Grootel, V., Huber, D., Still, M., Howell, S. B., Caldwell, D. A., Haas, M. R., & Bryson, S. T., 2014a, ApJ, 789, 85.
8. [“A new class of pulsating white dwarf of extremely low mass: the fourth and fifth members,”](#) **Hermes, J. J.**, Montgomery, M. H., Gianninas, A., Winget, D. E., Brown, W. R., Harrold, S. T., Bell, K. J., Kenyon, S. J., Kilic, M., & Castanheira, B. G., 2013d, MNRAS, 436, 3573.
7. [“Discovery of an Ultramassive Pulsating White Dwarf,”](#) **Hermes, J. J.**, Kepler, S. O., Castanheira, B. G., Gianninas, A., Winget, D. E., Montgomery, M. H., Brown, W. R., & Harrold, S. T., 2013c, ApJ, 771, L2.
6. [“A New Timescale for Period Change in the Pulsating DA White Dwarf WD 0111+0018,”](#) **Hermes, J. J.**, Montgomery, M. H., Mullally, F., Winget, D. E., & Bischoff-Kim, A., 2013b, ApJ, 766, 42.
5. [“Discovery of Pulsations, Including Possible Pressure Modes, in Two New Extremely Low Mass, He-core White Dwarfs,”](#) **Hermes, J. J.**, Montgomery, M. H., Winget, D. E., Brown, W. R., Gianninas, A., Kilic, M., Kenyon, S. J., Bell, K. J., & Harrold, S. T., 2013a, ApJ, 765, 102.
4. [“Rapid Orbital Decay in the 12.75-minute Binary White Dwarf J0651+2844,”](#) **Hermes, J. J.**, Kilic, M., Brown, W. R., Winget, D. E., Allende Prieto, C., Gianninas, A., Mukadam, A. S., Cabrera-Lavers, A., & Kenyon, S. J., 2012c, ApJ, 757, L21.
3. [“SDSS J184037.78+642312.3: The First Pulsating Extremely Low Mass White Dwarf,”](#) **Hermes, J. J.**, Montgomery, M. H., Winget, D. E., Brown, W. R., Kilic, M., & Kenyon, S. J., 2012b, ApJ, 750, L28.
2. [“Two New Tidally Distorted White Dwarfs,”](#) **Hermes, J. J.**, Kilic, M., Brown, W. R., Montgomery, M. H., & Winget, D. E., 2012a, ApJ, 749, 42.
1. [“Discovery of a ZZ Ceti in the Kepler Mission Field,”](#) **Hermes, J. J.**, Mullally, F., Østensen, R. H., Williams, K. A., Telting, J., Southworth, J., Bloemen, S., Howell, S. B., Everett, M., & Winget, D. E., 2011, ApJ, 741, L16.

Second- and Third-Author Refereed Publications

23. [“Optical Detection of the 1.1 day Variability at the White Dwarf GD 394 with TESS,”](#) Wilson, D. J., **Hermes, J. J.**, & Gänsicke, B. T., 2020, ApJ, 897, L31.
22. [“A White Dwarf with Transiting Circumstellar Material Far outside the Roche Limit,”](#) Vanderbosch, Z., **Hermes, J. J.**, Dennihy, E., Dunlap, B. H., Izquierdo, P., Tremblay, P. E., Cho, P. B., Gänsicke, B. T., Toloza, O., Bell, K. J., Montgomery, M. H., & Winget, D. E., 2020, ApJ, 897, 171.

21. *"An Isolated White Dwarf with 317 s Rotation and Magnetic Emission,"* Reding, J. S., **Hermes, J. J.**, Vanderbosch, Z., Dennihy, E., Kaiser, B. C., Mace, C. B., Dunlap, B. H., & Clemens, J. C., 2020, ApJ, 894, 19.
20. *"Cool Companions ON Ultrawide orbiTS (COCONUTS). I. A High-gravity T4 Benchmark around an Old White Dwarf and a Re-examination of the Surface-gravity Dependence of the L/T Transition,"* Zhang, Z., Liu, M. C., **Hermes, J. J.**, Magnier, E. A., Marley, M. S., Tremblay, P.-E., Tucker, M. A., Do, A., Payne, A. V., & Shappee, B. J., 2020, ApJ, 891, 171.
19. *"Limits on Mode Coherence in Pulsating DA White Dwarfs Due to a Nonstatic Convection Zone,"* Montgomery, M. H., **Hermes, J. J.**, Winget, D. E., Dunlap, B. H., & Bell, K. J., 2020, ApJ, 890, 11.
18. *"Constraining planet formation around 6-8 M stars,"* Veras, D., Tremblay, P.-E., **Hermes, J. J.**, McDonald, C. H., Kennedy, G. M., Meru, F., & Gänsicke, B. T., 2020, MNRAS, 493, 765.
17. *"A refined search for pulsations in white dwarf companions to millisecond pulsars,"* Kilic, M., **Hermes, J. J.**, Córscico, A. H., Kosakowski, A., Brown, W. R., Antoniadis, J., Calcaferro, L. M., Gianninas, A., Althaus, L. G., & Green, M. J., 2018, MNRAS, 479, 1267.
16. *"A 15.7-min AM CVn binary discovered in K2,"* Green, M. J., **Hermes, J. J.**, Marsh, T. R., Steeghs, D. T. H., Bell, K. J., Littlefair, S. P., Parsons, S. G., Dennihy, E., Fuchs, J. T., Reding, J. S., Kaiser, B. C., Ashley, R. P., Breedt, E., Dhillon, V. S., Gentile Fusillo, N. P., Kerry, P., & Sahman, D. I., 2018a, MNRAS, 477, 5646.
15. *"Destroying Aliases from the Ground and Space: Super-Nyquist ZZ Ceti in K2 Long Cadence Data,"* Bell, K. J., **Hermes, J. J.**, Vanderbosch, Z., Montgomery, M. H., Winget, D. E., Dennihy, E., Fuchs, J. T., & Tremblay, P.-E., 2017c, ApJ, 851, 24.
14. *"Two white dwarfs in ultrashort binaries with detached, eclipsing, likely sub-stellar companions detected by K2,"* Parsons, S. G., **Hermes, J. J.**, Marsh, T. R., Gänsicke, B. T., Tremblay, P.-E., Littlefair, S. P., Sahman, D. I., Ashley, R. P., Green, M., Rattanasoon, S., Dhillon, V. S., Burleigh, M. R., Casewell, S. L., Buckley, D. A. H., Braker, I. P., Irawati, P., Dennihy, E., Rodríguez-Gil, P., Winget, D. E., Winget, K. I., Bell, K. J., & Kilic, M., 2017b, MNRAS, 471, 976.
13. *"Outbursts in Two New Cool Pulsating DA White Dwarfs,"* Bell, K. J., **Hermes, J. J.**, Montgomery, M. H., Gentile Fusillo, N. P., Raddi, R., Gänsicke, B. T., Winget, D. E., Dennihy, E., Gianninas, A., Tremblay, P.-E., Chote, P., & Winget, K. I., 2016, ApJ, 829, 82.
12. *"The search for ZZ Ceti stars in the original Kepler mission,"* Greiss, S., **Hermes, J. J.**, Gänsicke, B. T., Steeghs, D. T. H., Bell, K. J., Raddi, R., Tremblay, P.-E., Breedt, E., Ramsay, G., Koester, D., Carter, P. J., Vanderbosch, Z., Winget, D. E., & Winget, K. I., 2016, MNRAS, 457, 2855.
11. *"GW Librae: a unique laboratory for pulsations in an accreting white dwarf,"* Toloza, O., Gänsicke, B. T., **Hermes, J. J.**, Townsley, D. M., Schreiber, M. R., Szkody, P., Pala, A., Beuermann, K., Bildsten, L., Breedt, E., Cook, M., Godon, P., Henden, A. A., Hubeny, I., Knigge, C., Long, K. S., Marsh, T. R., de Martino, D., Mukadam, A. S., Myers, G., Nelson, P., Oksanen, A., Patterson, J., Sion, E. M., & Zorotovic, M., 2016, MNRAS, 459, 3929.
10. *"A search for variable white dwarfs in large-area time-domain surveys: a pilot study in SDSS Stripe 82,"* Pietro Gentile Fusillo, N., **Hermes, J. J.**, & Gänsicke, B. T., 2016, MNRAS, 455, 2295.
9. *"KIC 4552982: Outbursts and Asteroseismology from the Longest Pseudo-continuous Light Curve of a ZZ Ceti,"* Bell, K. J., **Hermes, J. J.**, Bischoff-Kim, A., Moorhead, S., Montgomery, M. H., Østensen, R., Castanheira, B. G., & Winget, D. E., 2015a, ApJ, 809, 14.

8. *"Discovery of ZZ Ceti in detached white dwarf plus main-sequence binaries,"* Pyrzas, S., Gänsicke, B. T., **Hermes, J. J.**, Copperwheat, C. M., Rebassa-Mansergas, A., Dhillon, V. S., Littlefair, S. P., Marsh, T. R., Parsons, S. G., Savoury, C. D. J., Schreiber, M. R., Barros, S. C. C., Bento, J., Breedt, E., & Kerry, P., 2015, MNRAS, 447, 691.
7. *"PSR J1738+0333: the first millisecond pulsar + pulsating white dwarf binary,"* Kilic, M., **Hermes, J. J.**, Gianninas, A., & Brown, W. R., 2015b, MNRAS, 446, L26.
6. *"KIC 11911480: the second ZZ Ceti in the Kepler field,"* Greiss, S., Gänsicke, B. T., **Hermes, J. J.**, Steeghs, D., Koester, D., Ramsay, G., Barclay, T., & Townsley, D. M., 2014, MNRAS, 438, 3086.
5. *"Found: the progenitors of AM CVn and supernovae Ia,"* Kilic, M., **Hermes, J. J.**, Gianninas, A., Brown, W. R., Heinke, C. O., Agüeros, M. A., Chote, P., Sullivan, D. J., Bell, K. J., & Harrold, S. T., 2014a, MNRAS, 438, L26.
4. *"Seven-period Asteroseismic Fit of the Kepler DBV,"* Kim, A., Ostensen, R., **Hermes, J. J.**, & Provencal, J., 2014, ApJ, 794, 39.
3. *"SDSS J074511.56+194926.5: Discovery of a Metal-rich and Tidally Distorted Extremely Low Mass White Dwarf,"* Gianninas, A., **Hermes, J. J.**, Brown, W. R., Dufour, P., Barber, S. D., Kilic, M., Kenyon, S. J., & Harrold, S. T., 2014a, ApJ, 781, 104.
2. *"SDSS J163030.58+423305.8: a 40-min orbital period detached white dwarf binary,"* Kilic, M., Brown, W. R., **Hermes, J. J.**, Allende Prieto, C., Kenyon, S. J., Winget, D. E., & Winget, K. I., 2011b, MNRAS, 418, L157.
1. *"A 12 Minute Orbital Period Detached White Dwarf Eclipsing Binary,"* Brown, W. R., Kilic, M., **Hermes, J. J.**, Allende Prieto, C., Kenyon, S. J., & Winget, D. E., 2011, ApJ, 737, L23.

Other-Author Refereed Publications

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