Shubham Kanodia

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Appointments

Carnegie Institution for Science **Washington, DC, USA**
Carnegie Postdoctoral Fellow, Earth and Planets Laboratory July 2022 – Present
From Pixels to Population: Understanding Gas Giants around M dwarfs

Pennsylvania State University **Pennsylvania, USA**
Research Technologist February 2017 – July 2017
HPF and NEID spectrograph design and instrument assembly

Education

Pennsylvania State University **Pennsylvania, USA**
Doctor of Philosophy (Ph.D.) Astrophysics May 2019 – May 2022
Developing new tools and techniques to probe the M dwarf planet population

Pennsylvania State University **Pennsylvania, USA**
Master of Science (M.Sc.) Astrophysics Sept 2017 – May 2019
Combining the Next Generation of Exoplanet Instrumentation & Astrostatistics

Brown University **Rhode Island, USA**
Master of Science (Sc.M.) Physics Sept 2015 – Dec 2016
Optical Design of the Exoplanet Climate Infrared Telescope Spectrometer

St. Xavier's College **Mumbai, India**
Bachelor of Science (B.Sc.) Physics June 2012 – Apr 2015

Telescope Time Allocation

- JWST PI: $>$ 150 hours
- HET 10 m HPF: > 75 nights
- Gemini-N 8 m MAROON-X: 1.5 nights
- Magellan 6.5 m: > 20 nights
- ARC 3.5 m: > 50 half nights
- WIYN 3.5 m: > 30 nights

Awards & Grants

- NASA U.S. Contributions to Ariel Preparatory Science (Science PI), 2025-2027
- JWST GO programs (as PI), 2023-2027
- NN-Explore JPL Research Support Agreement, 2021, 2023-2025
- NASA Agency Group Achievement Award for NEID, 2020
- Carnegie Postdoctoral Fellow, Carnegie Earth & Planets Lab, 2022 onwards
- NASA Group Achievement Award, NEID, 2020
- Downsbrough Graduate Fellowship in Astrophysics, Penn State, 2021
- Zaccheus Daniel Fellowship, Penn State, 2018, 2020, 2021
- Homer F. Braddock / Nellie H. and Oscar L. Roberts Fellowship, Penn State, 2017
- J.N. Tata Endowment Fund for Higher Education, Mumbai, 2015
- INSPIRE Scholarship: Government of India, Mumbai, 2013

Mentoring & Advising

- Helen Baran (2019 – 2020): Undergraduate at Pennsylvania State University
- Marissa Maney (2019 – 2021): Undergraduate at Pennsylvania State University
- Brody McElwain (2020 – 2022): Master's student at Pennsylvania State University
- Narisara (Mick) Mayer (2023): Undergraduate at Haverford College
- Caleb Dando-Haenisch (2023): Undergraduate at American University
- Radia Islam (2023): Undergraduate at University of Texas, Austin
- Amber Wong (2023 – 2025): Undergraduate at University of California, Irvine
- Shane O'Brien (2023 –): Undergraduate at University of California, Irvine
- Andrew Hotnisky (2023 – 2025): Undergraduate at Pennsylvania State University
- Rowen Glusman (2023 –): Master's student at University of Amsterdam
- Fogofoluwa Adeniyan (2024): Undergraduate at Brightpoint Community College
- Nachiket Yadav (2024 –): Undergraduate at University of Texas, Austin
- Maya Vigil (2024): Undergraduate at University of Texas, Austin

Co-advised:

- Megan Delamer (2022 – 2023): PhD student at Pennsylvania State University
- Pinchen Fan (2022 – 2023): PhD student at Pennsylvania State University
- Lia Marta Bernabò (2023 – 2024): PhD student at Institute of Planetary Research - DLR (Germany)
- Varghese Reji (2023 – 2025): PhD student at Tata Institute of Fundamental Research (India)
- Te Han (2023): PhD student at University of California, Irvine

Academic Service

- **NASA Postdoctoral Program (NPP)**, Reviewer
- **STScI JWST Telescope Allocation Committee (TAC)**, Discussion Panelist
- **Canada Foundation for Innovation (CFI)**, Expert Reviewer
- **Canadian Time Allocation Committee (CanTAC)**, Expert Reviewer: Gemini, CFHT
- **NSF's NOIRLab Telescope Time Allocation Committee**, Chair, Panelist
- **NASA Exoplanets Research Program (XRP)**, Panelist, Executive Secretary
- **Nature, ApJ, AJ, MNRAS, A&A, International Journal of Astrobiology**, Reviewer
- **Carnegie EPL Astro Seminars**, Organizer, 2023-2025
- **Emerging Researchers in Exoplanet Sciences IV, VII**, Organizing Committee, 2018, 2022

Teaching

Teaching probabilistic programming — **State College, USA**
Pennsylvania State University — 2021 and 2022
Developed and taught a course on probabilistic programming, and statistical inference using the Hamiltonian Monte Carlo Python code: `PyMC3` and package `exoplanet`.

Teaching Assistant for Astronomy lab — **Providence, USA**
Brown University — Jan 2016 – Apr 2016
Lab assistant for basic astronomy lab course.

Software Development

- `pyastrotools`: Repository with set of astronomy helper functions
- `barycorrpy`: Python package for precise barycentric and timing corrections. (Kanodia and Wright, 2018; Wright and Kanodia, 2020).
- `MRExo`: Nonparametric tool used to fit 2-D, 3-D and 4-D mass- radius+ relationships using beta density functions. (Kanodia et al. 2019, 2023).

Outreach

In addition to regular Astronomy open nights and public events at each of my host institutions, I have contributed to the following:

- **Public Talks**:
  - National Capital Astronomers: Washington DC, USA, *A Gas-giant planet orbiting a Dwarf Star: An extreme Instance of Planet Formation*, 2024
  - Astronomy on Tap: State College, USA, *Digging through the Cosmic Haystack*, 2019
  - Nerd Nite: Webster's Cafe, State College, USA, *Searching for other worlds, other life*, 2019
  - Nehru Planetarium, Mumbai, India, *Finding Earth 2.0*, 2018
- **Education**:
  - Revamping and upgrading the astronomy exhibits at the US National Park Service' Rock Creek Park Nature Center and Planetarium, Washington DC to reflect latest discoveries and improve accessibility (2025)
  - Volunteered for Carnegie Academy of Science (CASE): First Light science program for middle-school kids (2022 – 23)
  - Volunteered for Astrofest: Penn State Department of Astronomy Annual outreach event (2017 – 2019)
  - Volunteered with Brown Cubesat Educational Outreach Saturday STEM program at West Broadway Middle School to communicate Science and Physics to students. (2015 – 2016)
  - Volunteered at Umang Foundation, Mumbai: Teaching underprivileged children basic Mathematics and English. (2012 – 2014)

Professional Talks

- Magellan Science Meeting, Carnegie, May 2025
- NASA Goddard Extrasolar Planets Seminar, NASA Goddard, January 2025
- Special Seminar/Colloquium, PSU, January 2025
- American Astronomical Society 245, Winter Meeting, 2025
- Planetary Seminar, ETH Zurich, June 2024
- Planetary Seminar, University of Zurich, June 2024
- Open Problems in the Astrophysics of Gas Giants Conference, Chile, December 2023
- Planetary Seminar, University of Maryland, November 2023
- American University Physics Colloquium, November 2023
- Steward Observatory/NSF's NOIRLab Joint Colloquium, October 2023
- DAA Seminar, Tata Institute for Fundamental Research, Mumbai, August 2023
- Strange New Worlds Conference, Pune, August 2023
- Origins of Solar Systems, Gordon Research Seminar, June 2023

- EPL General Seminar, Carnegie EPL, February 2023
- School of Earth and Planetary Sciences (SEPS), NISER Bhubaneshwar, March 2023
- SPIE Astronomical Telescopes + Instrumentation, Montreal, August 2022
- DAA Seminar, Tata Institute for Fundamental Research, Mumbai, March 2022
- EPL Astronomy Seminar, Carnegie EPL, October 2021
- PSU Center for Exoplanets and Habitable Worlds Seminar, PSU, September 2021
- NASA Goddard Extrasolar Planets Seminar, NASA Goddard, September 2021
- Order of the Octopus, PSU, July 2021
- PSETI Seminar, PSU, October 2020
- NASA Technosignatures Workshop, USRA, September 2018
- Emerging Researchers in Exoplanet Science Symposium, PSU, June 2018

Publications

First Author (Refereed): 17 (13); Significant Contributions: 27 [ADS] 0000-0001-8401-4300
Total Citations: 1859 on 13 September, 2025. Mentee Publications are indicated with *

First Author

17. **S. Kanodia**, C. Cañas, S. Mahadevan, et al., *Searching for GEMS: TOI-7149 b, an Inflated Giant Planet Causing a 12% Transit of a Fully Convective M-dwarf*, AJ, 170, 4, 2025 [ADS]
16. **S. Kanodia**, and A. Monson, *Precise Near-infrared Occultation of WASP-19b with FourStar on Magellan*, RNAAS, 9, 4, 2025 [ADS]
15. **S. Kanodia** *Transiting Jupiters around M Dwarfs Have Similar Masses to FGK Warm Jupiters*, ApJ, 978, 1, 2025 [ADS]
14. **S. Kanodia**, C. Cañas, S. Mahadevan, et al., *Searching for Giant Exoplanets around M-dwarf Stars (GEMS) I: Survey Motivation*, AJ, 167, 4, 2024 [ADS]
13. **S. Kanodia**, A. Gupta, C. Cañas, et al., *Searching for GEMS: Characterizing Six Giant Planets Around Cool Dwarfs*, AJ, 168, 6, 2024 [ADS]
12. **S. Kanodia**, A. Lin, E. Lubar, et al., *Stable Fiber-illumination for Extremely Precise Radial Velocities with NEID*, AJ, 166, 3, 2023 [ADS]
11. **S. Kanodia**, S. Mahadevan, J. Libby-Roberts, et al., *TOI-5205b: A Short-period Jovian Planet Transiting a Mid-M Dwarf*, AJ, 165, 3, 2023 [ADS]
10. **S. Kanodia**, M. He, E. Ford, et al., *Beyond Two-dimensional Mass–Radius Relationships: A Nonparametric and Probabilistic Framework for Characterizing Planetary Samples in Higher Dimensions*, ApJ, 956, 2, 2023 [ADS]
9. **S. Kanodia**, J. Libby-Roberts, C. Cañas, et al., *TOI-3757 b: A Low-density Gas Giant Orbiting a Solar-metallicity M Dwarf*, AJ, 164, 3, 2022 [ADS]
8. **S. Kanodia**, L. Ramsey, M. Maney, et al., *High-resolution Near-infrared Spectroscopy of a Flare around the Ultracool Dwarf vB 10*, ApJ, 925, 2, 2022 [ADS]
7. **S. Kanodia**, S. Halverson, J. Ninan, et al., *A Harsh Test of Far-field Scrambling with the Habitable-zone Planet Finder and the Hobby-Eberly Telescope*, ApJ, 912, 1, 2021 [ADS]
6. **S. Kanodia**, G. Stefansson, C. Cañas, et al., *TOI-532b: The Habitable-zone Planet Finder confirms a Large Super Neptune in the Neptune Desert orbiting a metal-rich M-dwarf host*, AJ, 162, 4, 2021 [ADS]
5. **S. Kanodia**, C. Cañas, G. Stefansson, et al., *TOI-1728b: The Habitable-zone Planet Finder Confirms a Warm Super-Neptune Orbiting an M-dwarf Host*, ApJ, 899, 1, 2020 [ADS]
4. **S. Kanodia**, J. Ninan, A. Monson, et al., *Ghosts of NEID's past*, SPIE, 11447, 2020 [ADS]
3. **S. Kanodia**, A. Wolfgang, G. Stefansson, et al., *Mass-Radius Relationship for M Dwarf Exoplanets: Comparing Nonparametric and Parametric Methods*, ApJ, 882, 1, 2019 [ADS]
2. **S. Kanodia**, and J. Wright, *Python Leap Second Management and Implementation of Precise Barycentric Correction (barycorrpy)*, RNAAS, 2, 1, 2018 [ADS]
1. **S. Kanodia**, S. Mahadevan, L. Ramsey, et al., *Overview of the spectrometer optical fiber feed for the habitable-zone planet finder*, SPIE, 10702, 2018 [ADS]

Significant Contributions

27. *R. Glusman, C. Cañas, **S. Kanodia**, et al., *Searching for GEMS: The Occurrence of Giant Planets orbiting M-dwarfs within 100 pc*, arXiv e-prints, None, 2025 [ADS]
26. T. Han, P. Robertson, C. Cañas, et al., *NEIDSpecMatch: Stellar Parameter Estimation with NEID Spectra Using an Empirical Library*, RNAAS, 9, 3, 2025 [ADS]
25. G. Stefánsson, S. Mahadevan, J. Winn, et al., *Gaia-4b and 5b: Radial Velocity Confirmation of Gaia Astrometric Orbital Solutions Reveal a Massive Planet and a Brown Dwarf Orbiting Low-mass Stars*, AJ, 169, 2, 2025 [ADS]
24. *A. Hotnisky, **S. Kanodia**, J. Libby-Roberts, et al., *Searching for GEMS: Two Super-Jupiters Around M Dwarfs that May have Formed via Gravitational Instability*, AJ, 170, 1, 2025 [ADS]
23. *V. Reji, **S. Kanodia**, J. Ninan, et al., *Searching for GEMS: TOI-5688 A b, a Low-density Giant Orbiting a High-metallicity Early M-dwarf*, AJ, 169, 3, 2025 [ADS]
22. R. Fernandes, **S. Kanodia**, M. Delamer, et al., *Searching for GEMS: Confirmation of TOI-5573 b, a Cool, Saturn-like Planet Orbiting an M Dwarf*, AJ, 170, 1, 2025 [ADS]
21. T. Han, P. Robertson, T. Brandt, et al., *Hundreds of TESS Exoplanets Might Be Larger than We Thought*, ApJ, 988, 1, 2025 [ADS]
20. C. Cañas, J. Lustig-Yaeger, S. Tsai, et al., *GEMS JWST: Transmission spectroscopy of TOI-5205b reveals significant stellar contamination and a metal-poor atmosphere*, arXiv e-prints, None, 2025 [ADS]
19. *L. Bernabò, **S. Kanodia**, C. Cañas, et al., *Searching for GEMS: TOI-6383Ab, a Giant Planet Transiting an M3-dwarf Star in a Binary System*, AJ, 168, 6, 2024 [ADS]
18. *M. Delamer, **S. Kanodia**, C. Cañas, et al., *TOI-4201: An Early M Dwarf Hosting a Massive Transiting Jupiter Stretching Theories of Core Accretion*, ApJ, 962, 2, 2024 [ADS]
17. *T. Han, P. Robertson, **S. Kanodia**, et al., *TOI-5344 b: A Saturn-like Planet Orbiting a Super-solar Metallicity M0 Dwarf*, AJ, 167, 1, 2024 [ADS]
16. A. Boss, and **S. Kanodia**, *Forming Gas Giants around a Range of Protostellar M-dwarfs by Gas Disk Gravitational Instability*, ApJ, 956, 1, 2023 [ADS]
15. *M. Lambert, C. Bender, **S. Kanodia**, et al., *TOI-5375 B: A Very Low Mass Star at the Hydrogen-burning Limit Orbiting an Early M-type Star*, AJ, 165, 5, 2023 [ADS]
14. S. Sheikh, **S. Kanodia**, E. Lubar, et al., *A Green Bank Telescope Search for Narrowband Technosignatures between 1.1 and 1.9 GHz During 12 Kepler Planetary Transits*, AJ, 165, 2, 2023 [ADS]
13. J. Libby-Roberts, M. Schutte, L. Hebb, et al., *An In-depth Look at TOI-3884b: A Super-Neptune Transiting an M4Dwarf with Persistent Starspot Crossings*, AJ, 165, 6, 2023 [ADS]
12. C. Cañas, **S. Kanodia**, J. Libby-Roberts, et al., *TOI-3984 A b and TOI-5293 A b: Two Temperate Gas Giants Transiting Mid-M Dwarfs in Wide Binary Systems*, AJ, 166, 1, 2023 [ADS]
11. G. Stefánsson, S. Mahadevan, Y. Miguel, et al., *A Neptune-mass exoplanet in close orbit around a very low-mass star challenges formation models*, Science, 382, 6674, 2023 [ADS]

10. C. Cañas, **S. Kanodia**, C. Bender, et al., *TOI-3714 b and TOI-3629 b: Two Gas Giants Transiting M Dwarfs Confirmed with the Habitable-zone Planet Finder and NEID*, AJ, 164, 2, 2022 [ADS]
9. A. Lin, A. Monson, S. Mahadevan, et al., *Observing the Sun as a Star: Design and Early Results from the NEID Solar Feed*, AJ, 163, 4, 2022 [ADS]
8. C. Beard, P. Robertson, **S. Kanodia**, et al., *GJ 3929: High-precision Photometric and Doppler Characterization of an Exo-Venus and Its Hot, Mini-Neptune-mass Companion*, ApJ, 936, 1, 2022 [ADS]
7. C. Beard, P. Robertson, **S. Kanodia**, et al., *TOI-1696 and TOI-2136: Constraining the Masses of Two Mini-Neptunes with the Habitable-Zone Planet Finder*, AJ, 163, 6, 2022 [ADS]
6. G. Stefánsson, R. Kopparapu, A. Lin, et al., *A Mini-Neptune and a Radius Valley Planet Orbiting the Nearby M2 Dwarf TOI-1266 in Its Venus Zone: Validation with the Habitable-zone Planet Finder*, AJ, 160, 6, 2020 [ADS]
5. C. Schwab, A. Monson, **S. Kanodia**, et al., *The NEID spectrometer: fibre injection system design*, SPIE, 11447, 2020 [ADS]
4. J. Wright, and **S. Kanodia**, *Barycentric Corrections for Precise Radial Velocity Measurements of Sunlight*, PSJ, 1, 2, 2020 [ADS]
3. C. Cañas, G. Stefansson, **S. Kanodia**, et al., *A Warm Jupiter Transiting an M Dwarf: A TESS Single-transit Event Confirmed with the Habitable-zone Planet Finder*, AJ, 160, 3, 2020 [ADS]
2. A. Metcalf, T. Anderson, C. Bender, et al., *Stellar spectroscopy in the near-infrared with a laser frequency comb*, Optica, 6, 2, 2019 [ADS]
1. J. Wright, **S. Kanodia**, and E. Lubar, *How Much SETI Has Been Done? Finding Needles in the n-dimensional Cosmic Haystack*, AJ, 156, 6, 2018 [ADS]

Co-Author

50. M. Giovinazzi, E. Fitzmaurice, A. Gupta, et al., *The NEID Earth Twin Survey. IV. Confirming an 89 d,* $m \sin i = 10\ \mathrm{M}_{\oplus}$ *Planet Orbiting a Nearby Sun-like Star*, arXiv e-prints, None, 2025 [ADS]
49. A. Gupta, J. Luhn, J. Wright, et al., *The NEID Earth Twin Survey. I. Confirmation of a 31 Day Planet Orbiting HD 86728*, AJ, 169, 1, 2025 [ADS]
48. R. Rodríguez Martínez, J. Eastman, K. Collins, et al., *Discovery and Characterization of an Eccentric, Warm Saturn Transiting the Solar Analog TOI-4994*, AJ, 169, 2, 2025 [ADS]
47. M. Kunimoto, Z. Lin, S. Millholland, et al., *Two Earth-size Planets and an Earth-size Candidate Transiting the nearby Star HD 101581*, AJ, 169, 1, 2025 [ADS]
46. J. Dong, A. Chontos, G. Zhou, et al., *Origins of Super Jupiters: TOI-2145b has a Moderately Eccentric and Nearly Aligned Orbit*, AJ, 169, 1, 2025 [ADS]
45. A. Larsen, T. Swaby, H. Kobulnicky, et al., *Searching for GEMS: Discovery and Characterization of Two Brown Dwarfs Around M Dwarfs*, AJ, 169, 5, 2025 [ADS]
44. M. Giovinazzi, C. Blake, P. Robertson, et al., *The NEID Earth Twin Survey. II. Dynamical Masses in Seven High-acceleration Star Systems*, AJ, 170, 1, 2025 [ADS]
43. L. Doyle, C. Cañas, J. Libby-Roberts, et al., *The First Spin-Orbit Obliquity of an M dwarf/brown dwarf system: an eccentric and aligned TOI-2119 b*, Monthly Notices of the Royal Astronomical Society, 536, 4, 2025 [ADS]

42. K. Taş, G. Stefansson, S. Fariz, et al., *An Earth-Sized Planet in a 5.4h Orbit Around a Nearby K dwarf*, arXiv e-prints, None, 2025 [ADS]
41. J. Burt, R. Zellem, D. Ciardi, et al., *A New Approach to Compiling Exoatmospheric Target Lists And Quantifying the Ground-Based Resources Needed to Vet Them*, arXiv e-prints, None, 2025 [ADS]
40. E. Koo, G. Stefansson, R. Kavanagh, et al., *Spectroscopic Characterization of LOFAR Radio-emitting M dwarfs*, arXiv e-prints, None, 2025 [ADS]
39. A. Gupta, E. Fitzmaurice, S. Mahadevan, et al., *The NEID Earth Twin Survey. III. Survey Performance After Three Years on Sky*, arXiv e-prints, None, 2025 [ADS]
38. E. Ford, C. Bender, C. Blake, et al., *Earths within Reach: Evaluation of Strategies for Mitigating Solar Variability using 3.5 years of NEID Sun-as-a-Star Observations*, arXiv e-prints, None, 2024 [ADS]
37. E. Fitzmaurice, G. Stefánsson, R. Kavanagh, et al., *Astrometry and Precise Radial Velocities Yield a Complete Orbital Solution for the Nearby Eccentric Brown Dwarf LHS 1610 b*, AJ, 168, 3, 2024 [ADS]
36. M. Battley, K. Collins, S. Ulmer-Moll, et al., *NGTS-30b/TOI-4862b: An 1 Gyr old 98-day transiting warm Jupiter*, Astronomy and Astrophysics, 686, 2024 [ADS]
35. S. Jones, G. Stefánsson, K. Masuda, et al., *TOI-2015 b: A Warm Neptune with Transit Timing Variations Orbiting an Active Mid-type M Dwarf*, AJ, 168, 2, 2024 [ADS]
34. A. Alqasim, N. Grieves, N. Rosário, et al., *TOI-757 b: an eccentric transiting mini-Neptune on a 17.5-d orbit*, Monthly Notices of the Royal Astronomical Society, 533, 1, 2024 [ADS]
33. A. Gupta, S. Millholland, H. Im, et al., *A hot-Jupiter progenitor on a super-eccentric retrograde orbit*, Nature, 632, 8023, 2024 [ADS]
32. X. Wang, M. Rice, S. Wang, et al., *Single-star Warm-Jupiter Systems Tend to Be Aligned, Even around Hot Stellar Hosts: No T _{eff}− Dependency*, ApJ, 973, 1, 2024 [ADS]
31. C. Beard, P. Robertson, M. Giovinazzi, et al., *Utilizing Photometry from Multiple Sources to Mitigate Stellar Variability in Precise Radial Velocities: A Case Study of Kepler-21*, AJ, 168, 4, 2024 [ADS]
30. A. Gupta, J. Jackson, G. Hébrard, et al., *A High-Eccentricity Warm Jupiter Orbiting TOI-4127*, AJ, 165, 6, 2023 [ADS]
29. J. Lubin, X. Wang, M. Rice, et al., *TOI-1670 c, a 40 day Orbital Period Warm Jupiter in a Compact System, Is Well Aligned*, ApJ, 959, 1, 2023 [ADS]
28. J. Dong, S. Wang, M. Rice, et al., *TOI-1859b: A 64 Day Warm Jupiter on an Eccentric and Misaligned Orbit*, ApJ, 951, 2, 2023 [ADS]
27. L. Zhao, X. Dumusque, E. Ford, et al., *The Extreme Stellar-signals Project. III. Combining Solar Data from HARPS, HARPS-N, EXPRES, and NEID*, AJ, 166, 4, 2023 [ADS]
26. A. Lin, J. Libby-Roberts, J. Alvarado-Montes, et al., *The Unusual M-dwarf Warm Jupiter TOI-1899 b: Refinement of Orbital and Planetary Parameters*, AJ, 166, 3, 2023 [ADS]
25. R. Frazier, G. Stefánsson, S. Mahadevan, et al., *NEID Reveals That the Young Warm Neptune TOI-2076 b Has a Low Obliquity*, ApJ, 944, 2, 2023 [ADS]
24. L. Powers, J. Libby-Roberts, A. Lin, et al., *TOI-3785 b: A Low-density Neptune Orbiting an M2-dwarf Star*, AJ, 166, 2, 2023 [ADS]

23. M. Reefe, R. Luque, E. Gaidos, et al., *A Close-in Puffy Neptune with Hidden Friends: The Enigma of TOI 620*, AJ, 163, 6, 2022 [ADS]
22. J. Dong, C. Huang, G. Zhou, et al., *NEID Rossiter-McLaughlin Measurement of TOI-1268b: A Young Warm Saturn Aligned with Its Cool Host Star*, ApJ, 926, 2, 2022 [ADS]
21. R. Terrien, A. Keen, K. Oda, et al., *Rotational Modulation of Spectroscopic Zeeman Signatures in Low-mass Stars*, ApJ, 927, 1, 2022 [ADS]
20. G. Stefànsson, S. Mahadevan, C. Petrovich, et al., *The Warm Neptune GJ 3470b Has a Polar Orbit*, ApJ, 931, 2, 2022 [ADS]
19. C. Cañas, S. Mahadevan, C. Bender, et al., *An Eccentric Brown Dwarf Eclipsing an M dwarf*, AJ, 163, 2, 2022 [ADS]
18. A. Gupta, J. Luhn, J. Wright, et al., *Detection of p-mode Oscillations in HD 35833 with NEID and TESS*, AJ, 164, 6, 2022 [ADS]
17. A. Ghosh, S. Sharma, J. Ninan, et al., *Gaia 20eae: A Newly Discovered Episodically Accreting Young Star*, ApJ, 926, 1, 2022 [ADS]
16. C. Cañas, S. Mahadevan, W. Cochran, et al., *A Hot Mars-sized Exoplanet Transiting an M Dwarf*, AJ, 163, 1, 2022 [ADS]
15. S. Logsdon, M. Wolf, D. Li, et al., *The NEID port adapter: on-sky performance*, SPIE, 12184, 2022 [ADS]
14. A. Gupta, C. Bender, J. Ninan, et al., *Real-time exposure control and instrument operation with the NEID spectrograph GUI*, SPIE, 12189, 2022 [ADS]
13. A. Gupta, J. Wright, P. Robertson, et al., *Target Prioritization and Observing Strategies for the NEID Earth Twin Survey*, AJ, 161, 3, 2021 [ADS]
12. J. Lubin, P. Robertson, G. Stefansson, et al., *Stellar Activity Manifesting at a One-year Alias Explains Barnard b as a False Positive*, AJ, 162, 2, 2021 [ADS]
11. S. Mahadevan, G. Stefánsson, P. Robertson, et al., *The Habitable-zone Planet Finder Detects a Terrestrial-mass Planet Candidate Closely Orbiting Gliese 1151: The Likely Source of Coherent Low-frequency Radio Emission from an Inactive Star*, ApJ, 919, 1, 2021 [ADS]
10. S. Vissapragada, G. Stefánsson, M. Greklek-McKeon, et al., *A Search for Planetary Metastable Helium Absorption in the V1298 Tau System*, AJ, 162, 5, 2021 [ADS]
9. V. Krishnamurthy, T. Hirano, G. Stefánsson, et al., *Nondetection of Helium in the Upper Atmospheres of TRAPPIST-1b, e, and f*, AJ, 162, 3, 2021 [ADS]
8. A. Roy, S. Halverson, S. Mahadevan, et al., *Solar Contamination in Extreme-precision Radial-velocity Measurements: Deleterious Effects and Prospects for Mitigation*, AJ, 159, 4, 2020 [ADS]
7. G. Stefansson, C. Cañas, J. Wisniewski, et al., *A Sub-Neptune-sized Planet Transiting the M2.5 Dwarf G 9-40: Validation with the Habitable-zone Planet Finder*, AJ, 159, 3, 2020 [ADS]
6. G. Stefansson, S. Mahadevan, M. Maney, et al., *The Habitable Zone Planet Finder Reveals a High Mass and Low Obliquity for the Young Neptune K2-25b*, AJ, 160, 4, 2020 [ADS]
5. P. Robertson, G. Stefansson, S. Mahadevan, et al., *Persistent Starspot Signals on M Dwarfs: Multiwavelength Doppler Observations with the Habitable-zone Planet Finder and Keck/HIRES*, ApJ, 897, 2, 2020 [ADS]
4. J. Ninan, G. Stefansson, S. Mahadevan, et al., *Evidence for He I 10830 Å Absorption during the Transit of a Warm Neptune around the M-dwarf GJ 3470 with the Habitable-zone Planet Finder*, ApJ, 894, 2, 2020 [ADS]

3. P. Robertson, T. Anderson, G. Stefansson, et al., *Ultrastable environment control for the NEID spectrometer: design and performance demonstration*, JATIS, 5, 2019 [ADS]
2. J. Ninan, C. Bender, S. Mahadevan, et al., *The Habitable-Zone Planet Finder: improved flux image generation algorithms for H2RG up-the-ramp data*, SPIE, 10709, 2018 [ADS]
1. G. Stefansson, S. Mahadevan, L. Hebb, et al., *Toward Space-like Photometric Precision from the Ground with Beam-shaping Diffusers*, ApJ, 848, 1, 2017 [ADS]