

Jared Siegel

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Education

Princeton University	2027
PhD in Astrophysics	
University of Chicago	2022
BA in Physics	
BS in Astrophysics	

Publications

8. **Siegel, J.**, Kiato, I., Kalogera, V., Berry, C., Maccarone, T., et al. *Investigating the Lower Mass Gap with Low Mass X-ray Binary Population Synthesis*, ApJ, 952, 212 (2023)
7. **Siegel, J.**, Winn, J., Albrecht, S., *Ponderings on the Possible Preponderance of Perpendicular Planets*, ApJ Letters, 950, 1 (2023)
6. **Siegel, J.**, & Rogers, L., *Mass Upper Bounds for Over 50 Kepler Planets Using Low-S/N Transit Timing Variations.*, AJ, 164, 139 (2022)
5. **Siegel, J.**, Rubenzahl, R., Halverson, S., & Howard, A., *Into the Depths: a new activity metric for high-precision radial velocity measurements based on line depth variations.*, AJ, 163, 260 (2022)
4. **Siegel, J.**, Dwarkadas, V. V., Frank, K. A., & Burrows, D. N., *Can the Fe K-alpha line reliably predict supernova remnant progenitors?*, ApJ, 922, 67 (2021)
3. **Siegel, J.**, & Fabrycky, D., *Resonant Chains of Exoplanets: Libration Centers for Laplace Angles.*, AJ, 161, 290 (2021)
2. **Siegel, J.**, Dwarkadas, V. V., Frank, K., & Burrows, D. N., *Analysis of XMM-Newton Observations of Supernova Remnant W49B and Clues to the Progenitor.*, ApJ, 904, 175 (2020)
1. **Siegel, J.**, Dwarkadas, V. V., Frank, K., Burrows, D. N., & Panfichi, A., *Smoothed particle inference analysis and abundance calculations of DEM L71, and comparison to SN explosion models.*, Astronomische Nachrichten, 341, 163, (2020)

Awards and Grants

National Science Foundation

NSF Graduate Research Fellowship 2022 to present

Princeton University

Centennial Fellowship 2022 to present

American Astronomical Society

Chambliss Astronomy Student Award Summer 2020

Presentations

Invited		
Physically motivated stellar activity mitigation EPRV RCN		Fall 2023
Submitted		
Ponderings on the Possible Preponderance of Perpendicular Planets ERES		Summer 2023
Mitigating stellar noise by mapping RV activity signals EPRV 5		Spring 2023

Teaching

Teaching assistant—Princeton University, Dept. of Astrophysical Sciences		Fall 2023
AST 205 Planets in the Universe		
Teaching assistant—University of Chicago, Dept. of A. & A.		2020—2021
ASTR 211 Computational Techniques in Astrophysics		
ASTR 205 Intro. to Python Programming with Applications to Astro Statistics		