

# Dr. Rixin Li

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## EDUCATION

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- Ph.D. in Astronomy & Astrophysics, University of Arizona 2014-2020  
Advisor: Prof. Andrew Youdin  
Thesis: *Simulating Planetesimal Formation in the Kuiper Belt and Beyond*
- B.Sc. in Astronomy, Peking University 2010-2014

## PROFESSIONAL EXPERIENCE

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- Postdoctoral Research Associate, CCAPS, Cornell University 2020 - Present  
(CCAPS: The Cornell Center for Astrophysics and Planetary Science)
- NESSF Graduate Research Fellow, University of Arizona 2016-2019

## LIST OF PUBLICATIONS

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h-index: 9 total citations: 539 (as of Apr, 24, 2022)

For the latest list of publications, please check out my [ADS](#) page.

### First- and Second-Author Publications

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- **Li, R.**, Chen, Y.-X., & Lin, D. N. C. 2022, *MNRAS*, **510**, 5246
- **Li, R.** & Lai, D. 2022, [arXiv: 2202.07633](#)
- **Li, R.** & Youdin, A. N. 2021, *ApJ*, **919**, 107
- Nesvorný, D., **Li, R.**, Simon, J. B., Youdin, A. N., & Grundy, W. M. 2021, *PSJ*, **2**, 27
- **Li, R.**, Youdin, A. N., & Simon, J. B. 2019, *ApJ*, **855**, 69
- Nesvorný, D., **Li, R.**, Youdin, A. N., Simon, J. B., & Grundy, W. M. 2019, *Nature Astronomy*, **3**, 808
- **Li, R.**, Youdin, A. N., & Simon, J. B. 2018, *ApJ*, **862**, 14

### Other Co-Authored Publications

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- Carrera, D., Simon, J. B., **Li, R.**, Kretke, K. A., & Klahr, H. 2021, *AJ*, **161**, 96
- Gole, D., Simon, J. B., **Li, R.**, Youdin, A. N., & Armitage, P. J. 2021, *ApJ*, **904**, 132
- Abod, C. P., Simon, J. B., **Li, R.**, Armitage, P. J., Youdin, A. N., & Kretke, K. A. 2019, *ApJ*, **883**, 192
- Simon, J. B., Armitage, P. J., Youdin, A. N., & **Li, R.** 2017, *ApJL*, **847**, 12
- Simon, J. B., Armitage, P. J., **Li, R.**, & Youdin, A. N. 2016, *ApJ*, **822**, 55

### Published Single-author Open Source Softwares in Astrophysics Source Code Library

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- Rubble: *Simulating dust size distributions in protoplanetary disks*, 2021, [ascl:2109.011](#)
- PLAN: *A Clump-finder for Planetesimal Formation Simulations*, 2019, [ascl:1911.001](#)

## SELECTED PRESENTATIONS

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- 04/2022: **Invited** talk, The 53rd DDA Meeting, CCA, NYC (in-person)
- 04/2022: Discussion talk, Bridging the Gap in Stellar and Black Hole Binaries, KITP (in-person)
- 06/2021: Seminar talk, Astrophysical Lunch, CCAPS, Cornell (virtual)
- 12/2020: Seminar talk, Origin Seminar, University of Arizona (virtual)
- 11/2020: **Invited** talk, Planetsimal Formation Meeting, Lund University, Sweden (virtual)
- 10/2020: **Invited** talk, Earth 2.0 Transit Survey Space Mission Science Meeting, China (virtual)
- 09/2020: Seminar talk, Planetary Lunch, CCAPS, Cornell (virtual)
- 01/2020: Contributed talk, 235th American Astronomical Society Meeting, Hawaii
- 11/2019: **Invited Colloquium** talk, New Mexico State University
- 07/2019: **Invited** talk, Turbulence in PPDs Meeting, Ringberg, Germany
- 07/2019: Seminar talk, Planet and Star Formation Coffee, MPIA, Germany
- 06/2019: Contributed talk, From Star to Planet II, Gothenburg, Sweden
- 05/2019: Contributed talk, New Horizons in Planetary Systems, Victoria, Canada
- 08/2017: Contributed talk, Protoplanetary Disk Workshop, Los Alamos National Lab

## SELECTED HONORS AND AWARDS

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- Departmental Scholarship Award, College of Science, University of Arizona 2020
- NESSF (NASA Earth and Space Science Fellowship), NASA 2016-2019
- College of Science Fellowship, University of Arizona 2014-2015
- First Lin-Qiao Prize for Excellent Undergraduate Research, Peking University 2012
- National Creative Research Fund for Undergraduate Research, Peking University 2012
- Scholarship for Outstanding Students, National Astronomical Observatories of China 2011

## SELECTED SERVICE, AFFILIATIONS, AND OUTREACH

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- Referee for *four* papers on the AAS Journals and MNRAS
- Subject-matter expert reviewer in *four* NASA peer reviews
- Local Organizing Committee member for *Star and Planet Formation in the Southwest 2*
- University of Arizona Theoretical Astrophysical Program member
- Discussion host in Steward Observatory Astro-ph Science Coffee for 2016-2019
- Tucson Initiative for Minority Engagement in Science and TEchnology Program (TIMESTEP)
- Senita Valley Elementary School Family Science Night in Tucson, AZ

## TEACHING EXPERIENCE

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- Teaching Assistant for PHYS 105A, “Introduction to Scientific Computation” Fall 2015
- Teaching Assistant for ASTR 400B, “Theoretical Astrophysics” Spring 2020