

## Journal Articles

- Gole, Daniel A., **Simon, Jacob B.**, Li, Rixin, Youdin, Andrew N., Armitage, Philip J., “Turbulence Regulates the Rate of Planetesimal Formation via Gravitational Collapse”, submitted to ApJ.
- Mishra, Bhupendra, Begelman, Mitchell C., Armitage, Philip J., **Simon, Jacob B.** “Strongly magnetized accretion disks: structure and accretion from global magnetohydrodynamic simulations”, 2020 MNRAS, 492, 1855-1868
- Li, Rixin, Youdin, Andrew N., **Simon, Jacob B.**, “Demographics of Planetesimals Formed by the Streaming Instability”, 2019, ApJ, 885, 69-85
- Abod, Charles P., **Simon, Jacob B.**, Li, Rixin, Armitage, Philip J., Youdin, Andrew N., Kretke, Katherine A. “The Mass and Size Distribution of Planetesimals Formed by the Streaming Instability. II. The Effect of the Radial Pressure Gradient”, 2019, ApJ, 883, 192-208
- Nesvorný, David, Li, Rixin, Youdin, Andrew N., **Simon, Jacob B.**, Grundy, William M. “Trans-Neptunian Binary Evidence for Planetesimal Formation by the Streaming Instability”, 2019, Nature Astronomy, Vol. 3, 808-812
- Gole, Daniel A., **Simon, Jacob B.** “The Nature of Turbulence in the Outer Regions of Protoplanetary Disks”, 2018, ApJ, 869, 84-95
- **Simon, Jacob B.**, Bai, Xue-Ning, Flaherty, Kevin M., Hughes, A. Meredith “Origin of Weak Turbulence in the Outer Regions of Protoplanetary Disks”, 2018, ApJ, 865, 10-20
- Li, Rixin, Youdin, Andrew N., **Simon, Jacob B.**, “On the Numerical Robustness of the Streaming Instability: Particle Concentration and Gas Dynamics in Protoplanetary Disks”, 2018, ApJ, 862, 14-30
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- Armitage, Philip J., Eisner, Josh A., **Simon, Jacob B.** “Prompt Planetesimal Formation Beyond the Snow Line”, 2016, ApJL, 828, L2-L6
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- **Simon, Jacob B.**, Armitage, Philip J., Li, Rixin, Youdin, Andrew N. “The Mass and Size Distribution of Planetesimals Formed by the Streaming Instability. I. The Role of Self-Gravity”, 2016, ApJ, 822, 55-72
- Salvesen, Greg, Armitage, Philip J., **Simon, Jacob B.**, Begelman, Mitchell C., “Strongly magnetized accretion discs require poloidal flux”, 2016, MNRAS, 460, 3488-3493

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