Curriculum Vitae

MICHAEL BOYLAN-KOLCHIN

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ACADEMIC POSITIONS

The University of Texas at Austin, Department of Astronomy
Samuel T. and Fern Yanagisawa Regents Professor (2024 –)
Professor (2023 –)
Associate Professor (2019 – 2023)
Assistant Professor (2015 – 2019)

University of Maryland, Department of Astronomy
Assistant Professor (2013 – 2015)

University of California, Irvine, Department of Physics and Astronomy
Southern California Center for Galaxy Evolution Fellow (2010 – 2013). **Advisor:** James S. Bullock

Max-Planck-Institut für Astrophysik (Garching, Germany)
Postdoctoral Fellow (2007 – 2010). **Advisor:** Simon D. M. White

EDUCATION

Ph.D. in Physics, *University of California, Berkeley*: December 2006. **Advisor:** Chung-Pei Ma
B.A. in Astrophysics, *magna cum laude* (concentration in Mathematics), *Columbia University*: May 2001

PROFESSIONAL ACTIVITIES AND RECOGNITION

- **Member**, 2020 Decadal Survey on Astronomy & Astrophysics (Astro2020) Panel on Galaxies, NAS
- **National Science Foundation CAREER (Faculty Early Career Development) Award** (2018)
- Web of Science / Publons **Highly Cited Researcher** (2021)

SELECTED PUBLICATIONS (total: **22,655 citations,** *h*-**index=78** via NASA Astrophysics Data System on 2025.07.11)

Accelerated by Dark Matter: a High-redshift Pathway to Efficient Galaxy-scale Star Formation
M. Boylan-Kolchin MNRAS, **538**, 3210 (22 citations)

Stress Testing ΛCDM with High-redshift Galaxy Candidates
M. Boylan-Kolchin (2023), Nature Astronomy, **7**, 731 (309 citations)

Uncertain Times: The Redshift–Time Relation from Cosmology and Stars
M. Boylan-Kolchin, D. Weisz (2021), MNRAS, **505**, 2764 (43 citations)

FIRE *in the Field: Simulating the Threshold of Galaxy Formation*
A. Fitts, **M. Boylan-Kolchin**, et al. (2017), MNRAS, **471**, 3547 (238 citations)

Small-Scale Challenges to the ΛCDM Model
J. Bullock & **M. Boylan-Kolchin** (2017), Ann. Rev. Astron. Astrophys., **55**, 343 (1309 citations)

Too Big to Fail? The Puzzling Darkness of Massive Milky Way Subhalos
M. Boylan-Kolchin, J. Bullock, M. Kaplinghat (2011), MNRAS, **415**, L40 (1262 citations)

Resolving Cosmic Structure Formation with the Millennium-II Simulation
M. Boylan-Kolchin, V. Springel, S. White, A. Jenkins, G. Lemson (2009), MNRAS, **398**, 1150 (833 citations)