**Section c: Ten years track-record (Laura Kreidberg)**

**1. Up to ten representative publications, from the last ten years, as main author**

Junior authors directly supervised by Laura Kreidberg are marked with a star.

1. **Kreidberg, L**., et al. (2014), Clouds in the atmosphere of the super-Earth exoplanet GJ1214b, Nature, 505, 69. **664 citations.**
2. **Kreidberg, L.**, and Loeb, A. (2017) Prospects for Characterizing the Atmosphere of Proxima Centauri b, ApJ, 832. **76 citations.**
3. Morley, C., **Kreidberg, L.**, et al. (2017) Observing the Atmospheres of Known Temperate Earth-Sized Planets with JWST, ApJ, 850, 121. **203 citations.**
4. **Kreidberg, L.**, et al. (2019) Absence of a thick atmosphere on the terrestrial exoplanet LHS 3844b, Nature, 573, 87. **127 citations.**
5. \*McDonald, G., **Kreidberg, L.**, and Lopez, E. (2019) The Sub-Neptune Desert and Its
6. Dependence on Stellar Type: Controlled by Lifetime X-Ray Irradiation, ApJ, 876, 22. **38 citations.**
7. Wordsworth, R. and **Kreidberg, L.** (2022) Atmospheres of Rocky Exoplanets, Annual Reviews of Astronomy and Astrophysics, 60, 159. **26** **citations.**
8. \*Diamond-Lowe, H., **Kreidberg, L.**, et al. (2022) The K2-3 System Revisited: Testing Photoevaporation and Core-Powered Mass Loss with Three Small Planets Spanning the Radius Valley, AJ, 164, 172. **8 citations.**
9. \*Zieba, S., Zilinskas, M., **Kreidberg, L.**, et al. (2022) K2 and Spitzer phase curves of the rocky ultra-short-period planet K2-141 b hint at a tenuous rock vapor, A&A, 664, 79. **23 citations.**
10. \*Zieba, S., **Kreidberg, L.**, et al. (2023) No thick carbon dioxide atmosphere on the rocky exoplanet TRAPPIST-1c, Nature, 620, 746. **5 citations.**

**2. Research monographs and any translations thereof**

None.

**3. Granted patents**

None.

**4. Invited presentations to internationally established conferences and/or international advanced schools**

Laura Kreidberg has given a total of 30 invited talks at internationally established conferences 2015-2023

2023 Plenary lecture, Annual Meeting of the German Astronomical Society (Berlin)

2023 Invited lecture, NASA Sagan Workshop (Pasadena)

2023 Invited lecture, Cloud Academy (Les Houches)

2023 Invited talk, Exoplanet Science Event, European Union Parliament (Brussels)

2022 Invited review, From Clouds to Planets (Berlin)

2022 Invited talk, IAU Global Coordination of Ground and Space Astrophysics (virtual)

2022 Prize lecture, Annie Jump Cannon talk, American Astronomical Society (Pasadena)

2022 Keynote talk, MPG Earth and Solar System Research Partnership meeting (Berlin)

2021 Invited talk, SPP 1992: Explanet Diversity (virtual)

2021 Invited talk, PLATO Conference: Exploring exoplanets in the habitable zone of solar-like stars

2021 Invited review, DPG-AEF Meeting (virtual)

2021 Keynote talk, European Astronomical Society Annual Meeting

2021 Invited review, A High-energy view of exoplanet and their environments (virtual)

2021 Invited talk, STScI Symposium: Towards Comprehensive Characterization of Exoplanets

2021 Invited talk, ExoPAG SIG3 Exoplanet/Solar System Synergy Tutorial Talk

2021 Keynote talk, EPSC Exoplanet Keynote (virtual)

2021 Invited talk, AG2020 Splinter Session: Exploring the Diversity of Exoplanets (virtual)

2020 Invited lecture, Future Directions in Solar, Stellar and Planetary Physics (Abu Dhabi)

2020 Invited review, ARIEL Open Science Conference (Nordwijk)

2019 Invited review, Rocky Planets in the Era of JWST (NASA Goddard)

2019 Invited seminar, Nieman Foundation for Journalism (Cambridge)

2018 Invited lecture, Radcliffe Institute Symposium “The Undiscovered” (Cambridge)

2018 Invited talk, Big Data Conference, Harvard Center of Mathemetical Sciences (Cambridge)

2018 Invited talk, Källén Symposium, Lund Observatory, Sweden (Lund)

2018 Invited talk, AAS Meeting 231, Special Session: A Roadmap to Detecting Biosignatures

2017 Invited talk, Habitable Worlds Conference (Laramie)

2017 Invited review, Transiting Exoplanets Conference, Keele (UK)

2017 Invited talk, Enabling Transiting Exoplanets with JWST Workshop (Baltimore)

2017 Invited talk, Breakthrough Discuss Conference (Stanford)

2015 Invited talk, 225th AAS special session: “From Hot Jupiters to Scorched Earths” (Seattle)

**6. Organisation of international conferences in the field of the applicant (membership in the steering and/or organising committee)**

2023 – 2024 SOC co-lead, Two HoRSEs Conference, Berlin

2023 SOC member, Exoplanets V, Leiden

2023 SOC member, EAS Exoplanet Symposium, Krakow

2023 SOC member, Exoclimes VII, Exeter

2023 SOC member, NASA Sagan Summer Workshop, Pasadena

2022 lead organizer; Ringberg Workshop: The First Six Months of Exoplanets with JWST

2022 SOC member, ESO Disk and Exoplanet Workshop

2019 – 2020 SOC member, Exoplanets III, Heidelberg

**7. Prizes, awards, academy memberships**

2023 Hintze Lecturer, Oxford University, UK

2023 Honorary Professorship, Heidelberg University, Germany

2022 Honorary Professorship, Leiden University, Netherlands

2021 Annie Jump Cannon Award, American Astronomical Society

2018 Paul Hertelendy (pH) Lecturer, Harvard-Smithsonian Center for Astrophysics

2017 International Astronomical Union Division F PhD Prize

2015 William Rainey Harper Dissertation Fellowship, University of Chicago

2015 Peter B. Wagner Memorial Award for Women in Atmospheric Sciences

2013 – 2016 National Science Foundation Graduate Research Fellowship

2011 George Beckwith Prize for excellence in astronomy, Yale Astronomy Department

**8. Major contributions to the early careers of excellent researchers**

* Primary supervisor of 4 postdocs 2020 - 2023
* Primary supervisor of 2 PhD students 2020-2023
* Career successes of former postdocs under my supervision:
  + Maria Steinrueck (awarded 51 Pegasi b Fellowship)
  + Jason Dittmann (awarded tenure-track faculty position at University of Florida)
  + Ludmila Carone (awarded a staff scientist position at the Austrian Academy of Sciences, Space Research Institute)