

Robert Ridgway

University of Exeter
Physics Building, Stocker Road, Exeter, EX4 4QL
R.Ridgway@exeter.ac.uk [ORCID: 0000-0001-5534-0561](https://orcid.org/0000-0001-5534-0561)

RobertRidgway.github.io, [@robbieridgway](https://twitter.com/robbieridgway) — Updated July 2023

FIRST AUTHOR PUBLICATIONS **Robert J. Ridgway**, Maria Zamyatina, Nathan J. Mayne, James Manners, F. Hugo Lambert, Mar-
rick Braam, Benjamin Drummond, Eric Hébrard, Paul I. Palmer, and Krisztian Kohary. 3D modelling
of the impact of stellar activity on tidally-locked terrestrial exoplanets: atmospheric composition and
habitability, *Monthly Notices of the Royal Astronomical Society*, 518, 2472, November 2022, ISSN
0035-8711, doi:10.1093/mnras/stac3105

CO-AUTHOR PUBLICATIONS Marrick Braam, Paul I. Palmer, Leen Decin, **Robert J. Ridgway**, Maria Zamyatina, Nathan J.
Mayne, Denis Sergeev, and N. Luke Abraham. Lightning-induced chemistry on tidally-locked Earth-
like exoplanets. *Monthly Notices of the Royal Astronomical Society*, 186, 227, September 2022, ISSN
0035-8711, doi:10.1093/mnras/stac2722

Benjamin Drummond, Eric Hébrard, Nathan J. Mayne, Olivia Venot, **Robert J. Ridgway**, Quentin
Changeat, Shang-Min Tsai, James Manners, Pascal Tremblin, Nathan Luke Abraham, David Sing,
and Krisztian Kohary. Implications of three-dimensional chemical transport in hot Jupiter atmo-
spheres: Results from a consistently coupled chemistry-radiation-hydrodynamics model. *Astronomy
& Astrophysics*, 636:A68, April 2020. ISSN 0004-6361. doi:10.1051/0004-6361/201937153

Ian A. Boutle, Manoj Joshi, F. Hugo Lambert, Nathan J. Mayne, Duncan Lyster, James Manners,
Robert Ridgway, and Krisztian Kohary. Mineral dust increases the habitability of terrestrial planets
but confounds biomarker detection. *Nature Communications* 11, 2731, June 2020. ISSN 2041-1723.
doi:10.1038/s41467-020-16543-8

Jake K. Eager, David J. Reichelt, Nathan J. Mayne, F. Hugo Lambert, Denis E. Sergeev, **Robert J.
Ridgway**, James Manners, Ian A. Boutle, Timothy M. Lenton, and Krisztian Kohary. Implications
of different stellar spectra for the climate of tidally locked Earth-like exoplanets. *Astronomy &
Astrophysics*, 639:A99, July 2020. ISSN 0004-6361. doi:10.1051/0004-6361/202038089