

# Paul Mollière

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9142546/publications.pdf>

Version: 2024-02-01

19  
papers

849  
citations

516710

16  
h-index

794594

19  
g-index

27  
all docs

27  
docs citations

27  
times ranked

1053  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | An Atomic Spectral Survey of WASP-76b: Resolving Chemical Gradients and Asymmetries. <i>Astronomical Journal</i> , 2022, 163, 107.  | 4.7 | 37        |
| 2  | Searching for the origin of the Ehrenreich effect in ultra-hot Jupiters. <i>Astronomy and Astrophysics</i> , 2022, 661, A78.  | 5.1 | 12        |
| 3  | Magma Ocean Evolution of the TRAPPIST-1 Planets. <i>Astrobiology</i> , 2021, 21, 1325-1349.   | 3.0 | 24        |
| 4  | Transmission Spectroscopy for the Warm Sub-Neptune HD 3167c: Evidence for Molecular Absorption and a Possible High-metallicity Atmosphere. <i>Astronomical Journal</i> , 2021, 161, 18. | 4.7 | 25        |
| 5  | Detection of OH in the ultra-hot Jupiter WASP-76b. <i>Astronomy and Astrophysics</i> , 2021, 656, A119.   | 5.1 | 19        |
| 6  | Retrieving scattering clouds and disequilibrium chemistry in the atmosphere of HR 8799e. <i>Astronomy and Astrophysics</i> , 2020, 640, A131.   | 5.1 | 107       |
| 7  | Mass-loss rate and local thermodynamic state of the KELT-9 b thermosphere from the hydrogen Balmer series. <i>Astronomy and Astrophysics</i> , 2020, 638, A87.                          | 5.1 | 64        |
| 8  | Atmospheric compositions and observability of nitrogen-dominated ultra-short-period super-Earths. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 494, 1490-1506.      | 4.4 | 25        |
| 9  | MIRACLES: atmospheric characterization of directly imaged planets and substellar companions at $4\text{--}5 \times 10^4$ m. <i>Astronomy and Astrophysics</i> , 2020, 635, A182.        | 5.1 | 47        |
| 10 | MIRACLES: atmospheric characterization of directly imaged planets and substellar companions at $4\text{--}5 \times 10^4$ m. <i>Astronomy and Astrophysics</i> , 2020, 644, A13.         | 5.1 | 27        |
| 11 | The Multiplanet System TOI-421: A Warm Neptune and a Super Puffy Mini-Neptune Transiting a G9 V Star in a Visual Binary*. <i>Astronomical Journal</i> , 2020, 160, 114.                 | 4.7 | 17        |
| 12 | A Search for FeH in Hot-Jupiter Atmospheres with High-dispersion Spectroscopy. <i>Astronomical Journal</i> , 2020, 160, 228.  | 4.7 | 23        |
| 13 | A Highly Eccentric Warm Jupiter Orbiting TIC 237913194. <i>Astronomical Journal</i> , 2020, 160, 275.   | 4.7 | 19        |
| 14 | The Role of Clouds on the Depletion of Methane and Water Dominance in the Transmission Spectra of Irradiated Exoplanets. <i>Astrophysical Journal</i> , 2020, 899, 53.                  | 4.5 | 25        |
| 15 | From Cold to Hot Irradiated Gaseous Exoplanets: Toward an Observation-based Classification Scheme. <i>Astrophysical Journal</i> , 2019, 873, 32.  | 4.5 | 32        |
| 16 | From Cold to Hot Irradiated Gaseous Exoplanets: Fingerprints of Chemical Disequilibrium in Atmospheric Spectra. <i>Astrophysical Journal</i> , 2019, 883, 194.                          | 4.5 | 41        |
| 17 | Search for gas from the disintegrating rocky exoplanet K2-22b. <i>Astronomy and Astrophysics</i> , 2019, 628, A70.  | 5.1 | 9         |
| 18 | Detecting isotopologues in exoplanet atmospheres using ground-based high-dispersion spectroscopy. <i>Astronomy and Astrophysics</i> , 2019, 622, A139.                                  | 5.1 | 43        |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 19 | petitRADTRANS. Astronomy and Astrophysics, 2019, 627, A67. | 5.1 | 253       |