

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	petitRADTRANS. <i>Astronomy and Astrophysics</i> , 2019, 627, A67.	5.1	253
2	Retrieving scattering clouds and disequilibrium chemistry in the atmosphere of HR 8799e. <i>Astronomy and Astrophysics</i> , 2020, 640, A131.	5.1	107
3	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
4	MIRACLES: atmospheric characterization of directly imaged planets and substellar companions at ~ 5 m. <i>Astronomy and Astrophysics</i> , 2020, 635, A182.	5.1	47
5	Detecting isotopologues in exoplanet atmospheres using ground-based high-dispersion spectroscopy. <i>Astronomy and Astrophysics</i> , 2019, 622, A139.	5.1	43
6	From Cold to Hot Irradiated Gaseous Exoplanets: Fingerprints of Chemical Disequilibrium in Atmospheric Spectra. <i>Astrophysical Journal</i> , 2019, 883, 194.	4.5	41
7	An Atomic Spectral Survey of WASP-76b: Resolving Chemical Gradients and Asymmetries. <i>Astronomical Journal</i> , 2022, 163, 107.	4.7	37
8	From Cold to Hot Irradiated Gaseous Exoplanets: Toward an Observation-based Classification Scheme. <i>Astrophysical Journal</i> , 2019, 873, 32.	4.5	32
9	MIRACLES: atmospheric characterization of directly imaged planets and substellar companions at ~ 5 m. <i>Astronomy and Astrophysics</i> , 2020, 644, A13.	5.1	27
10	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
11	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
12	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
13	Magma Ocean Evolution of the TRAPPIST-1 Planets. <i>Astrobiology</i> , 2021, 21, 1325-1349.	3.0	24
14	A Search for FeH in Hot-Jupiter Atmospheres with High-dispersion Spectroscopy. <i>Astronomical Journal</i> , 2020, 160, 228.	4.7	23
15	A Highly Eccentric Warm Jupiter Orbiting TIC 237913194. <i>Astronomical Journal</i> , 2020, 160, 275.	4.7	19
16	Detection of OH in the ultra-hot Jupiter WASP-76b. <i>Astronomy and Astrophysics</i> , 2021, 656, A119.	5.1	19
17	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
18	Searching for the origin of the Ehrenreich effect in ultra-hot Jupiters. <i>Astronomy and Astrophysics</i> , 2022, 661, A78.	5.1	12

#	ARTICLE	IF	CITATIONS
19	Search for gas from the disintegrating rocky exoplanet K2-22b. <i>Astronomy and Astrophysics</i> , 2019, 628, A70.	5.1	9