

AurÃ©lien Wyttenbach

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1918324/publications.pdf>

Version: 2024-02-01

27
papers

2,142
citations

304743

22
h-index

526287

27
g-index

28
all docs

28
docs citations

28
times ranked

1399
citing authors

#	ARTICLE	IF	CITATIONS
1	Helium in the eroding atmosphere of an exoplanet. <i>Nature</i> , 2018, 557, 68-70.	27.8	239
2	Spectrally resolved detection of sodium in the atmosphere of HD 189733b with the HARPS spectrograph. <i>Astronomy and Astrophysics</i> , 2015, 577, A62.	5.1	222
3	Atomic iron and titanium in the atmosphere of the exoplanet KELT-9b. <i>Nature</i> , 2018, 560, 453-455.	27.8	179
4	Spectrally resolved helium absorption from the extended atmosphere of a warm Neptune-mass exoplanet. <i>Science</i> , 2018, 362, 1384-1387.	12.6	152
5	A spectral survey of an ultra-hot Jupiter. <i>Astronomy and Astrophysics</i> , 2019, 627, A165.	5.1	145
6	High-resolution confirmation of an extended helium atmosphere around WASP-107b. <i>Astronomy and Astrophysics</i> , 2019, 623, A58.	5.1	93
7	Orbital misalignment of the Neptune-mass exoplanet GJ 436b with the spin of its cool star. <i>Nature</i> , 2018, 553, 477-480.	27.8	92
8	The HARPS search for southern extra-solar planets. <i>Astronomy and Astrophysics</i> , 2016, 585, A134.	5.1	91
9	Hot Exoplanet Atmospheres Resolved with Transit Spectroscopy (HEARTS). <i>Astronomy and Astrophysics</i> , 2017, 602, A36.	5.1	89
10	Hot Exoplanet Atmospheres Resolved with Transit Spectroscopy (HEARTS). <i>Astronomy and Astrophysics</i> , 2019, 623, A166.	5.1	88
11	Hot Exoplanet Atmospheres Resolved with Transit Spectroscopy (HEARTS). <i>Astronomy and Astrophysics</i> , 2020, 641, A123.	5.1	88
12	Neutral Iron Emission Lines from the Dayside of KELT-9b: The GAPS Program with HARPS-N at TNG XX. <i>Astrophysical Journal Letters</i> , 2020, 894, L27.	8.3	84
13	Search for water vapor in the high-resolution transmission spectrum of HD 189733b in the visible. <i>Astronomy and Astrophysics</i> , 2017, 606, A144.	5.1	71
14	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
15	Hot Exoplanet Atmospheres Resolved with Transit Spectroscopy (HEARTS). <i>Astronomy and Astrophysics</i> , 2020, 635, A205.	5.1	63
16	A NON-ISOTHERMAL THEORY FOR INTERPRETING SODIUM LINES IN TRANSMISSION SPECTRA OF EXOPLANETS. <i>Astrophysical Journal Letters</i> , 2015, 803, L9.	8.3	55
17	Wind of change: retrieving exoplanet atmospheric winds from high-resolution spectroscopy. <i>Astronomy and Astrophysics</i> , 2020, 633, A86.	5.1	53
18	COSMOGRAIL. <i>Astronomy and Astrophysics</i> , 2020, 640, A105.	5.1	52

#	ARTICLE	IF	CITATIONS
19	Combining low- to high-resolution transit spectroscopy of HD 189733b. <i>Astronomy and Astrophysics</i> , 2018, 612, A53.	5.1	42
20	Sodium and Potassium Signatures of Volcanic Satellites Orbiting Close-in Gas Giant Exoplanets. <i>Astrophysical Journal</i> , 2019, 885, 168.	4.5	38
21	Aerosol Constraints on the Atmosphere of the Hot Saturn-mass Planet WASP-49b. <i>Astrophysical Journal</i> , 2017, 849, 145.	4.5	32
22	Detection of the hydrogen Balmer lines in the ultra-hot Jupiter WASP-33b. <i>Astronomy and Astrophysics</i> , 2021, 645, A22.	5.1	31
23	WASP-166b: a bloated super-Neptune transiting a V \hat{A} = \hat{A} 9 star. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 488, 3067-3075.	4.4	23
24	TOI-269 b: an eccentric sub-Neptune transiting a M2 dwarf revisited with ExTrA. <i>Astronomy and Astrophysics</i> , 2021, 650, A145.	5.1	17
25	Hot Exoplanet Atmospheres Resolved with Transit Spectroscopy (HEARTS). <i>Astronomy and Astrophysics</i> , 2020, 643, A45.	5.1	17
26	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
27	Search for He ϵ 1 airglow emission from the hot Jupiter κ Boo b. <i>Astronomy and Astrophysics</i> , 2020, 641, A161.	5.1	5