

Jayne L Birkby

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

1,396
citations

840776

11
h-index

1125743

13
g-index

15
all docs

15
docs citations

15
times ranked

1780
citing authors

#	ARTICLE	IF	CITATIONS
1	A Framework for Prioritizing the <i>TESS</i> Planetary Candidates Most Amenable to Atmospheric Characterization. Publications of the Astronomical Society of the Pacific, 2018, 130, 114401.	3.1	314
2	Fast spin of the young extrasolar planet τ Pictoris b. Nature, 2014, 509, 63-65.	27.8	307
3	The signature of orbital motion from the dayside of the planet $\ddot{\iota}$, Bo $\ddot{\iota}$ rtis b. Nature, 2012, 486, 502-504.	27.8	300
4	Discovery of Water at High Spectral Resolution in the Atmosphere of 51 Peg b. Astronomical Journal, 2017, 153, 138.	4.7	134
5	Evidence against a strong thermal inversion in HD 209458b from high-dispersion spectroscopy. Astronomy and Astrophysics, 2015, 576, A111.	5.1	71
6	The slow spin of the young substellar companion GQ Lupi b and its orbital configuration. Astronomy and Astrophysics, 2016, 593, A74.	5.1	64
7	Detecting Proxima b's Atmosphere with JWST Targeting CO ₂ at 15 μ m Using a High-pass Spectral Filtering Technique. Astronomical Journal, 2017, 154, 77.	4.7	48
8	Molecular cross-sections for high-resolution spectroscopy of super-Earths, warm Neptunes, and hot Jupiters. Monthly Notices of the Royal Astronomical Society, 2020, 495, 224-237.	4.4	42
9	First Detection of Hydroxyl Radical Emission from an Exoplanet Atmosphere: High-dispersion Characterization of WASP-33b Using Subaru/IRD. Astrophysical Journal Letters, 2021, 910, L9.	8.3	36
10	Spectroscopic Direct Detection of Exoplanets. , 2018, , 1485-1508.		28
11	Prospects for Characterizing the Hazyest Sub-Neptune Exoplanets with High-resolution Spectroscopy. Astronomical Journal, 2020, 160, 198.	4.7	25
12	A weak spectral signature of water vapour in the atmosphere of HD 179949 b at high spectral resolution in the <i>L</i> band. Monthly Notices of the Royal Astronomical Society, 2020, 494, 108-119.	4.4	16
13	High-contrast observations of brown dwarf companion HR2562B with the vector Apodizing Phase Plate coronagraph. Monthly Notices of the Royal Astronomical Society, 2021, 506, 3224-3238.	4.4	5
14	Applications of a Gaussian process framework for modelling of high-resolution exoplanet spectra. Monthly Notices of the Royal Astronomical Society, 2022, 512, 2604-2617.	4.4	4
15	Water observed in the atmosphere of $\ddot{\iota}$, Bo $\ddot{\iota}$ rtis b with CARMENES/CAHA. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	2