

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 | 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 |
| 2 | 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 |
| 3 | 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 |
| 4 | 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 |
| 5 | A weak spectral signature of water vapour in the atmosphere of HD 179949 b at high spectral resolution in the L band. Monthly Notices of the Royal Astronomical Society, 2020, 494, 108-119. | 4.4 | 16 |
| 6 | Prospects for Characterizing the Hazyest Sub-Neptune Exoplanets with High-resolution Spectroscopy. Astronomical Journal, 2020, 160, 198. | 4.7 | 25 |
| 7 | Spectroscopic Direct Detection of Exoplanets. , 2018, , 1485-1508. | | 28 |
| 8 | A Framework for Prioritizing the $TESS$ Planetary Candidates Most Amenable to Atmospheric Characterization. Publications of the Astronomical Society of the Pacific, 2018, 130, 114401. | 3.1 | 314 |
| 9 | Discovery of Water at High Spectral Resolution in the Atmosphere of 51 Peg b. Astronomical Journal, 2017, 153, 138. | 4.7 | 134 |
| 10 | Detecting Proxima b's Atmosphere with JWST Targeting CO_2 at $15 \frac{1}{4} \mu m$ Using a High-pass Spectral Filtering Technique. Astronomical Journal, 2017, 154, 77. | 4.7 | 48 |
| 11 | The slow spin of the young substellar companion GQ Lupi b and its orbital configuration. Astronomy and Astrophysics, 2016, 593, A74. | 5.1 | 64 |
| 12 | Evidence against a strong thermal inversion in HD 209458b from high-dispersion spectroscopy. Astronomy and Astrophysics, 2015, 576, A111. | 5.1 | 71 |
| 13 | Fast spin of the young extrasolar planet τ Pictoris b. Nature, 2014, 509, 63-65. | 27.8 | 307 |
| 14 | The signature of orbital motion from the dayside of the planet $\ddot{\iota}$, Boötis b. Nature, 2012, 486, 502-504. | 27.8 | 300 |
| 15 | Water observed in the atmosphere of $\ddot{\iota}$, Boötis b with CARMENES/CAHA. Monthly Notices of the Royal Astronomical Society, 0, , . | 4.4 | 2 |