

Emma Barton

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/452587/publications.pdf>

Version: 2024-02-01

17
papers

1,244
citations

840776

11
h-index

888059

17
g-index

17
all docs

17
docs citations

17
times ranked

1309
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | “Late-stage” deforestation enhances storm trends in coastal West Africa. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, . | 7.1 | 10 |
| 2 | A case study of land-atmosphere coupling during monsoon onset in northern India. Quarterly Journal of the Royal Meteorological Society, 2020, 146, 2891-2905. | 2.7 | 14 |
| 3 | Pressure-dependent water absorption cross sections for exoplanets and other atmospheres. Journal of Quantitative Spectroscopy and Radiative Transfer, 2017, 187, 453-460. | 2.3 | 41 |
| 4 | High-resolution absorption measurements of NH ₃ at high temperatures: 2100–5500 cm ⁻¹ . Journal of Quantitative Spectroscopy and Radiative Transfer, 2017, 189, 60-65. | 2.3 | 11 |
| 5 | The ExoMol pressure broadening diet: H ₂ and He line-broadening parameters. Journal of Quantitative Spectroscopy and Radiative Transfer, 2017, 203, 490-495. | 2.3 | 26 |
| 6 | Absorption spectra of ammonia near 1 μ m. Journal of Quantitative Spectroscopy and Radiative Transfer, 2017, 203, 392-397. | 2.3 | 11 |
| 7 | Molecular line shape parameters for exoplanetary atmospheric applications. Journal of Physics: Conference Series, 2017, 810, 012010. | 0.4 | 5 |
| 8 | A near infrared line list for NH ₃ : Analysis of a Kitt Peak spectrum after 35 years. Journal of Molecular Spectroscopy, 2016, 325, 7-12. | 1.2 | 21 |
| 9 | DETECTION OF AN ATMOSPHERE AROUND THE SUPER-EARTH 55 CANCRI E. Astrophysical Journal, 2016, 820, 99. | 4.5 | 202 |
| 10 | The ExoMol database: Molecular line lists for exoplanet and other hot atmospheres. Journal of Molecular Spectroscopy, 2016, 327, 73-94. | 1.2 | 364 |
| 11 | \mathcal{T} -REX. II. RETRIEVAL OF EMISSION SPECTRA. Astrophysical Journal, 2015, 813, 13. | 4.5 | 124 |
| 12 | ExoMol molecular line lists “XII. Line lists for eight isotopologues of CS. Monthly Notices of the Royal Astronomical Society, 2015, 454, 1931-1939. | 4.4 | 28 |
| 13 | The EChO science case. Experimental Astronomy, 2015, 40, 329-391. | 3.7 | 31 |
| 14 | TAU-REX I: A NEXT GENERATION RETRIEVAL CODE FOR EXOPLANETARY ATMOSPHERES. Astrophysical Journal, 2015, 802, 107. | 4.5 | 198 |
| 15 | High-resolution absorption measurements of NH ₃ at high temperatures: 500–2100cm ⁻¹ . Journal of Quantitative Spectroscopy and Radiative Transfer, 2015, 167, 126-134. | 2.3 | 20 |
| 16 | ExoMol molecular line lists V: the ro-vibrational spectra of NaCl and KCl. Monthly Notices of the Royal Astronomical Society, 2014, 442, 1821-1829. | 4.4 | 45 |
| 17 | ExoMol line lists “II. The ro-vibrational spectrum of SiO. Monthly Notices of the Royal Astronomical Society, 2013, 434, 1469-1475. | 4.4 | 93 |