Elisabetta Cane'

List of Publications by Year
in descending order

22 papers	924 citations	1163117 8 h-index	752698 20 g-index
22 all docs	22 docs citations	22 times ranked	404 citing authors

#	Article	IF	Citations
1	The HITRAN2020 molecular spectroscopic database. Journal of Quantitative Spectroscopy and Radiative Transfer, 2022, 277, 107949.	2.3	770
2	The experimental equilibrium structure of acetylene. Physical Chemistry Chemical Physics, 2016, 18, 1937-1944.	2.8	22
3	Rotational and High-resolution Infrared Spectrum of HC ₃ N: Global Ro-vibrational Analysis and Improved Line Catalog for Astrophysical Observations. Astrophysical Journal, Supplement Series, 2017, 233, 11.	7.7	22
4	The rotational spectrum of ¹⁵ND. Isotopic-independent Dunham-type analysis of the imidogen radical. Physical Chemistry Chemical Physics, 2019, 21, 3564-3573.	2.8	21
5	The Infrared Spectrum of 13C2D2: The Bending States up to v4+v5=2. Journal of Molecular Spectroscopy, 2002, 216, 447-453.	1.2	15
6	Optical frequency metrology in the bending modes region. Communications Physics, 2020, 3, .	5.3	11
7	High-resolution infrared spectroscopy of H¹²C¹³CD and H¹³C¹²CD in the 470â€“5200â€‰cm^{â^'1}spectral region. Molecular Physics, 2007, 105, 2321-2325.	1.7	9
8	The v2 = 1, 2 and v4 = 1 bending states of 15NH3 and their analysis at experimental accuracy. Journal of Chemical Physics, 2019, 150, 194301.	3.0	9
9	The high resolution spectrum of 15NH3 in the far-infrared: Rotation-inversion transitions in the ground, v2=1, 2 and v4=1 states. Journal of Quantitative Spectroscopy and Radiative Transfer, 2017, 203, 417-424.	2.3	6
10	The infrared spectrum of 12C2D2: The stretching-bending band system up to 5500 cmâ^'1. Journal of Chemical Physics, 2013, 138, 134312.	3.0	5
11	High-resolution millimeter-wave spectroscopy of CH2DCl: Paving the way for future astronomical observations of chloromethane isotopologues. Journal of Quantitative Spectroscopy and Radiative Transfer, 2020, 248, 106982.	2.3	5
12	Spectroscopy of a low global warming power refrigerant. Infrared and millimeter-wave spectra of trifluoroethene (HFO-1123) in the ground and some vibrational excited states. Journal of Quantitative Spectroscopy and Radiative Transfer, 2020, 248, 106980.	2.3	5
13	High-Resolution Infrared Spectroscopy of DC3N in the Stretching Region. Frontiers in Astronomy and Space Sciences, 2021, 8, .	2.8	5
14	Infrared spectroscopy of 14ND3: Analysis of the Î½2/Î½4/2Î½2 and Î½1/Î½3/2Î½4 band systems. Journal of Quantitative Spectroscopy and Radiative Transfer, 2017, 203, 398-409.	2.3	4
15	High resolution infrared spectroscopy of H12C13CD and H13C12CD: The bending states up to v4+v5=2. Journal of Molecular Spectroscopy, 2011, 268, 226-230.	1.2	3
16	High resolution infrared and Raman spectra of 13C12CD2: The CD stretching fundamentals and associated combination and hot bands. Journal of Chemical Physics, 2015, 143, 094302.	3.0	3
17	High resolution FTIR study of the Î½5, Î½6, and Î½9 fundamental bands of CH2D37Cl. Journal of Quantitative Spectroscopy and Radiative Transfer, 2021, 270, 107719.	2.3	3
18	Spectroscopic characterization of the v2Â=Â3 and v2Â=Âv4Â=Â1 states for 15NH3 from high resolution infrared spectra. Journal of Quantitative Spectroscopy and Radiative Transfer, 2020, 250, 106987.	2.3	3

#	Article	IF	Citations
19	Frequency-comb-assisted absolute calibration and linestrength of H12C13CH ro-vibrational transitions in the 2Î½23 band. Journal of Quantitative Spectroscopy and Radiative Transfer, 2018, 206, 31-35	2.3	2
20	Synchrotron-based far-infrared spectroscopy of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.svg"><mml:mrow><mml:msub><mml:mrow><mml:mi mathvariant="normal">HC</mml:mi></mml:mrow><mml:mn>3</mml:mn></mml:msub><mml:mi mathvariant="normal">N</mml:mi></mml:mrow></mml:math>: Extended ro-vibrational analysis and new line list up to 3360Âcm<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si2.s	2.3	1
21	Bending modes metrology in the 12-15 Âµm region. , 2021, , .		0
22	Bending modes metrology beyond 12 Î¼m. , 2021, , .		0