

Elisabetta Cane'

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

924
citations

1163117

8
h-index

752698

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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. Synchrotron-based far-infrared spectroscopy of HC_3N	2.3	770
2	Extended ro-vibrational analysis and new line list up to 3360 cm^{-1}	2.3	1
3	Bending modes metrology in the 12-15 μm region. , 2021, , .		0
4	High-Resolution Infrared Spectroscopy of DC3N in the Stretching Region. Frontiers in Astronomy and Space Sciences, 2021, 8, .	2.8	5
5	Bending modes metrology beyond 12 μm . , 2021, , .		0
6	High resolution FTIR study of the ν_{25} , ν_{26} , and ν_{29} fundamental bands of $\text{CH}_2\text{D}_3\text{Cl}$. Journal of Quantitative Spectroscopy and Radiative Transfer, 2021, 270, 107719.	2.3	3
7	High-resolution millimeter-wave spectroscopy of CH_2DCI : Paving the way for future astronomical observations of chloromethane isotopologues. Journal of Quantitative Spectroscopy and Radiative Transfer, 2020, 248, 106982.	2.3	5
8	Optical frequency metrology in the bending modes region. Communications Physics, 2020, 3, .	5.3	11
9	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
10	Spectroscopic characterization of the $\nu_2 = \bar{3}$ and $\nu_2 = \bar{4}$ states for $^{15}\text{NH}_3$ from high resolution infrared spectra. Journal of Quantitative Spectroscopy and Radiative Transfer, 2020, 250, 106987.	2.3	3
11	The rotational spectrum of ^{15}ND . Isotopic-independent Dunham-type analysis of the imidogen radical. Physical Chemistry Chemical Physics, 2019, 21, 3564-3573.	2.8	21
12	The $\nu_2 = 1, 2$ and $\nu_4 = 1$ bending states of $^{15}\text{NH}_3$ and their analysis at experimental accuracy. Journal of Chemical Physics, 2019, 150, 194301.	3.0	9
13	Frequency-comb-assisted absolute calibration and linestrength of $\text{H}^{12}\text{C}^{13}\text{CH}$ ro-vibrational transitions in the $2\nu_3$ band. Journal of Quantitative Spectroscopy and Radiative Transfer, 2018, 206, 31-35.	2.3	2
14	The high resolution spectrum of $^{15}\text{NH}_3$ in the far-infrared: Rotation-inversion transitions in the ground, $\nu_2=1, 2$ and $\nu_4=1$ states. Journal of Quantitative Spectroscopy and Radiative Transfer, 2017, 203, 417-424.	2.3	6
15	Infrared spectroscopy of $^{14}\text{ND}_3$: Analysis of the $\nu_2/\nu_4/2\nu_2$ and $\nu_1/\nu_3/2\nu_4$ band systems. Journal of Quantitative Spectroscopy and Radiative Transfer, 2017, 203, 398-409.	2.3	4
16	Rotational and High-resolution Infrared Spectrum of HC_3N : Global Ro-vibrational Analysis and Improved Line Catalog for Astrophysical Observations. Astrophysical Journal, Supplement Series, 2017, 233, 11.	7.7	22
17	The experimental equilibrium structure of acetylene. Physical Chemistry Chemical Physics, 2016, 18, 1937-1944.	2.8	22
18	High resolution infrared and Raman spectra of $^{13}\text{C}^{12}\text{CD}_2$: The CD stretching fundamentals and associated combination and hot bands. Journal of Chemical Physics, 2015, 143, 094302.	3.0	3

#	ARTICLE	IF	CITATIONS
19	The infrared spectrum of $^{12}\text{C}^{13}\text{C}^{18}\text{O}$: The stretching-bending band system up to 5500 cm^{-1} . Journal of Chemical Physics, 2013, 138, 134312.	3.0	5
20	High resolution infrared spectroscopy of $\text{H}^{12}\text{C}^{13}\text{CD}$ and $\text{H}^{13}\text{C}^{12}\text{CD}$: The bending states up to $\nu_4+\nu_5=2$. Journal of Molecular Spectroscopy, 2011, 268, 226-230.	1.2	3
21	High-resolution infrared spectroscopy of $\text{H}^{12}\text{C}^{13}\text{CD}$ and $\text{H}^{13}\text{C}^{12}\text{CD}$ in the $470\text{--}5200\text{ cm}^{-1}$ spectral region. Molecular Physics, 2007, 105, 2321-2325.		9
22	The Infrared Spectrum of $^{13}\text{C}^{18}\text{O}$: The Bending States up to $\nu_4+\nu_5=2$. Journal of Molecular Spectroscopy, 2002, 216, 447-453.	1.2	15