Luca Bizzocchi

List of Publications by Year
in descending order

#	Article	IF	Citations
1	The HITRAN2012 molecular spectroscopic database. Journal of Quantitative Spectroscopy and Radiative Transfer, 2013, 130, 4-50.	2.3	2,810
2	The Spitzer Extragalactic Representative Volume Survey (SERVS): Survey Deï¬nition and Goals*. Publications of the Astronomical Society of the Pacific, 2012, 124, 714-736.	3.1	135
3	Seeds Of Life In Space (SOLIS): The Organic Composition Diversity at 300â€“1000 au Scale in Solar-type Star-forming Regions[*]. Astrophysical Journal, 2017, 850, 176.	4.5	116
4	Seeds of Life in Space (SOLIS). Astronomy and Astrophysics, 2017, 605, L3.	5.1	98
5	Deuterated methanol in the pre-stellar core L1544. Astronomy and Astrophysics, 2014, 569, A27.	5.1	81
6	Chemical differentiation in a prestellar core traces non-uniform illumination. Astronomy and Astrophysics, 2016, 592, L11.	5.1	66
7	Accurate sub-millimetre rest frequencies for HOCO⁺ and DOCO⁺ ions. Astronomy and Astrophysics, 2017, 602, A34.	5.1	62
8	The observed chemical structure of L1544. Astronomy and Astrophysics, 2017, 606, A82.	5.1	60
9	Detection of¹⁵NNH⁺in L1544: non-LTE modelling of dyazenilium hyperfine line emission and accurate¹⁴N/¹⁵N values. Astronomy and Astrophysics, 2013, 555, A109.	5.1	56
10	Seeds of Life in Space (SOLIS). Astronomy and Astrophysics, 2017, 605, A57.	5.1	54
11	Rotational spectroscopy of the isotopic species of silicon monosulfide, SiS. Physical Chemistry Chemical Physics, 2007, 9, 1579-1586.	2.8	50
12	INTERSTELLAR DETECTION OF c-C ₃ D ₂. Astrophysical Journal Letters, 2013, 769, L19.	8.3	50
13	High-sensitivity maps of molecular ions in L1544. Astronomy and Astrophysics, 2019, 629, A15.	5.1	46
14	Propargylimine in the laboratory and in space: millimetre-wave spectroscopy and its first detection in the ISM. Astronomy and Astrophysics, 2020, 640, A98.	5.1	45
15	Precursors of the RNA World in Space: Detection of (Z)-1,2-ethenediol in the Interstellar Medium, a Key Intermediate in Sugar Formation. Astrophysical Journal Letters, 2022, 929, L11.	8.3	43
16	Millimeter-wave spectroscopy of rare isotopomers of HC5N and DC5N: determination of a mixed experimentalâ€“theoretical equilibrium structure for cyanobutadiyne. Journal of Molecular Spectroscopy, 2004, 225, 145-151.	1.2	40
17	FIRST MEASUREMENTS OF ¹⁵ N FRACTIONATION IN N ₂ H ⁺ TOWARD HIGH-MASS STAR-FORMING CORES. Astrophysical Journal Letters, 2015, 808, L46.	8.3	37
18	Nitrogen and hydrogen fractionation in high-mass star-forming cores from observations of HCN and HNC. Astronomy and Astrophysics, 2018, 609, A129.	5.1	35

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19	The Central 1000 au of a Prestellar Core Revealed with ALMA. II. Almost Complete Freeze-out. Astrophysical Journal, 2022, 929, 13.	4.5	34
20	Why does ammonia not freeze out in the centre of pre-stellar cores?. Monthly Notices of the Royal Astronomical Society, 2019, 487, 1269-1282.	4.4	33
21	Submillimeter-Wave Spectroscopy of Phosphaalkynes: HCCCP, NCCP, HCP, and DCP. Journal of Molecular Spectroscopy, 2001, 205, 110-116.	1.2	32
22	Rotational Spectroscopy of Isotopologues of Silicon Monoxide, SiO, and Spectroscopic Parameters from a Combined Fit of Rotational and Rovibrational Data. Journal of Physical Chemistry A, 2013, 117, 13843-13854.	2.5	32
23	Mapping deuterated methanol toward L1544. Astronomy and Astrophysics, 2019, 622, A141.	5.1	32
24	The first steps of interstellar phosphorus chemistry. Astronomy and Astrophysics, 2020, 633, A54.	5.1	32
25	Millimeter-wave spectroscopy and coupled cluster calculations for NCCP. Journal of Chemical Physics, 2000, 113, 1465-1472.	3.0	30
26	Star-forming dwarf galaxies in the Virgo cluster: the link between molecular gas, atomic gas, and dust. Astronomy and Astrophysics, 2016, 590, A27.	5.1	29
27	A study of the C₃H₂isomers and isotopologues: first interstellar detection of HDCCC. Astronomy and Astrophysics, 2016, 586, A110.	5.1	29
28	¹⁴N/¹⁵N ratio measurements in prestellar cores with N₂H⁺: new evidence of ¹⁵N-antifractionation. Astronomy and Astrophysics, 2018, 617, A7.	5.1	29
29	Dust opacity variations in the pre-stellar core L1544. Astronomy and Astrophysics, 2019, 623, A118.	5.1	29
30	Millimeter-wave spectroscopy of HC3P isotopomers and coupled-cluster calculations: the molecular structure of phosphabutadiyne. Chemical Physics Letters, 2000, 319, 411-417.	2.6	28
31	Seeds of Life in Space (SOLIS). III. Zooming Into the Methanol Peak of the Prestellar Core L1544*. Astrophysical Journal, 2018, 855, 112.	4.5	28
32	NH₃(1₀â€“0₀) in the pre-stellar core L1544. Astronomy and Astrophysics, 2017, 603, L1.	5.1	28
33	Vibrationally excited states of HC5N: millimeter-wave spectroscopy and coupled cluster calculations. Journal of Molecular Spectroscopy, 2005, 230, 185-195.	1.2	27
34	Kinematics of dense gas in the L1495 filament. Astronomy and Astrophysics, 2018, 617, A27.	5.1	26
35	The Dual Role of Starbursts and Active Galactic Nuclei in Driving Extreme Molecular Outflows. Astrophysical Journal, 2018, 859, 35.	4.5	24
36	Pyrolysis of sulfur tetrafluoride over boron: Excited-state rotational spectra and equilibrium structure of fluorothioborine (FBS). Journal of Chemical Physics, 2001, 115, 7041-7050.	3.0	23

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37	Improved Rest Frequencies of HCO ⁺ at 1 THz. Astrophysical Journal, 2007, 669, L113-L116.	4.5	23
38	Far-infrared laboratory spectroscopy of aminoacetonitrile and first interstellar detection of its vibrationally excited transitions. Astronomy and Astrophysics, 2020, 641, A160.	5.1	23
39	ULTRA STEEP SPECTRUM RADIO SOURCES IN THE LOCKMAN HOLE:<i>SERVS</i>IDENTIFICATIONS AND REDSHIFT DISTRIBUTION AT THE FAINTEST RADIO FLUXES. Astrophysical Journal, 2011, 743, 122.	4.5	22
40	Accurate rotational rest-frequencies of CH₂NH at submillimetre wavelengths. Astronomy and Astrophysics, 2012, 544, A19.	5.1	22
41	The<i>Herschel</i>Virgo Cluster Survey. Astronomy and Astrophysics, 2015, 574, A126.	5.1	22
42	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
43	The chemical structure of the very young starless core L1521E. Astronomy and Astrophysics, 2019, 630, A136.	5.1	22
44	Seeds of Life in Space (SOLIS). Astronomy and Astrophysics, 2020, 637, A63.	5.1	22
45	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
46	The pure rotational spectrum of 15ND2 observed by millimetre and submillimetre-wave spectroscopy.. Journal of Quantitative Spectroscopy and Radiative Transfer, 2019, 222-223, 186-189.	2.3	21
47	Molecular complexity in pre-stellar cores: a 3 mm-band study of L183 and L1544. Astronomy and Astrophysics, 2020, 633, A118.	5.1	21
48	Rotational spectra, potential function, Bornâ€“Oppenheimer breakdown and magnetic shielding of SiSe and SiTe. Journal of Molecular Spectroscopy, 2008, 251, 261-267.	1.2	20
49	Accurate rest frequencies for the submillimetre-wave lines ofÂtheÂ$^{15}{f N}$-containing isotopologues of $f N_{2}H^+$ and $f N_{2}D^+$. Astronomy and Astrophysics, 2009, 496, 275-279.	5.1	20
50	A Study of the c-C₃HD/c-C₃H₂ Ratio in Low-mass Star-forming Regions*. Astrophysical Journal, 2018, 863, 126.	4.5	20
51	Millimeter-wave spectroscopy and coupled cluster calculations for a new phosphorusâ€“carbon chain: HC5P. Journal of Chemical Physics, 2003, 119, 170-175.	3.0	19
52	Absorption and Emission Spectroscopy of a Lasing Material: Ruby. Journal of Chemical Education, 2007, 84, 1316.	2.3	19
53	First interferometric study of enhanced N-fractionation in N2H+: the high-mass star-forming region IRAS 05358+3543. Monthly Notices of the Royal Astronomical Society, 2019, 485, 5543-5558.	4.4	19
54	Lamb-dip millimeter-wave spectroscopy of HCP: Experimental and theoretical determination of 31P nuclear spinâ€“rotation coupling constant and magnetic shielding. Chemical Physics Letters, 2005, 408, 13-18.	2.6	18

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55	The magnetic hyperfine structure in the rotational spectrum of H2CNH. Journal of Molecular Spectroscopy, 2010, 263, 44-50.	1.2	18
56	Search for grain growth toward the center of L1544. Astronomy and Astrophysics, 2017, 606, A142.	5.1	18
57	Detection of N$^mathsf{{15}}$NH⁺in L1544. Astronomy and Astrophysics, 2010, 510, L5.	5.1	17
58	First detection of NHD and ND₂ in the interstellar medium. Astronomy and Astrophysics, 2020, 641, A153.	5.1	17
59	Efficient Methanol Production on the Dark Side of a Prestellar Core. Astrophysical Journal, 2020, 895, 101.	4.5	17
60	Laboratory Transition Frequencies for Millimeterâ€Wave Lines of Vibrationally Excited HC7N. Astrophysical Journal, 2004, 614, 518-524.	4.5	16
61	The rotational spectra, potential function, Born-Oppenheimer breakdown, and magnetic shielding of SnSe and SnTe. Journal of Chemical Physics, 2007, 126, 114305.	3.0	16
62	The Submillimeter-wave Spectrum of Propyne, CH₃CCH. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2000, 55, 491-494.	1.5	15
63	Millimeter-Wave Spectroscopy of HCCCP in Excited Vibrational States. Journal of Molecular Spectroscopy, 2001, 205, 164-172.	1.2	15
64	Millimeter-wave spectroscopy of HC5N in vibrationally excited states below 500Âcm$mathsf{^{-1}}$. Astronomy and Astrophysics, 2004, 425, 767-772.	5.1	15
65	Pure rotational spectra of PbSe and PbTe: potential function, Bornâ€“Oppenheimer breakdown, field shift effect and magnetic shielding. Physical Chemistry Chemical Physics, 2008, 10, 2078.	2.8	15
66	Distribution of methanol and cyclopropenylidene around starless cores. Astronomy and Astrophysics, 2020, 643, A60.	5.1	15
67	An Interferometric View of H-MM1. I. Direct Observation of NH₃ Depletion. Astronomical Journal, 2022, 163, 294.	4.7	15
68	The<i>Herschel</i>Virgo Cluster Survey. Astronomy and Astrophysics, 2015, 573, A129.	5.1	14
69	Gas-phase identification of (<i>Z</i>)-1,2-ethenediol, a key prebiotic intermediate in the formose reaction. Chemical Communications, 2022, 58, 2750-2753.	4.1	14
70	An improved evaluation of the equilibrium structure of cyanogen iodide. Journal of Molecular Structure, 1998, 443, 211-222.	3.6	13
71	Millimeter-Wave Spectroscopy of Sulfur Dichloride. Journal of Molecular Spectroscopy, 2000, 204, 275-280.	1.2	12
72	Accurate quartic and sextic centrifugal distortion constants of. Journal of Molecular Spectroscopy, 2003, 218, 53-57.	1.2	12

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73	BULGELESS GALAXIES AT INTERMEDIATE REDSHIFT: SAMPLE SELECTION, COLOR PROPERTIES, AND THE EXISTENCE OF POWERFUL ACTIVE GALACTIC NUCLEI. Astrophysical Journal, 2014, 782, 22.	4.5	12
74	Molecular Precursors of the RNA-World in Space: New Nitriles in the G+0.693â^'0.027 Molecular Cloud. Frontiers in Astronomy and Space Sciences, 0, 9, .	2.8	12
75	Millimetre-wave spectroscopy andab initiocalculations for fluorophosphaethyne (FCP). Molecular Physics, 2006, 104, 2627-2640.	1.7	11
76	The rotational spectra, potential function, Bornâ€"Oppenheimer breakdown, and hyperfine structure of GeSe and GeTe. Journal of Chemical Physics, 2011, 135, 084303.	3.0	11
77	TheHerschelVirgo Cluster Survey. Astronomy and Astrophysics, 2016, 589, A11.	5.1	11
78	Hyperfine-Resolved Near-Infrared Spectra of H₂¹⁷O. Journal of Physical Chemistry A, 2021, 125, 7884-7890.	2.5	11
79	H₂CS deuteration maps towards the pre-stellar core L1544. Astronomy and Astrophysics, 2022, 661, A111.	5.1	11
80	Accurate rest frequencies for propargylamine in the ground and low-lying vibrational states. Astronomy and Astrophysics, 2018, 615, A176.	5.1	10
81	Rotational spectroscopy of imidazole: improved rest frequencies for astrophysical searches. Astronomy and Astrophysics, 2019, 628, A53.	5.1	10
82	Pyrolysis of ortho-cyanotoluene and PCl3 mixtures: the millimeter and submillimeter-wave spectrum of NCCCCP. Journal of Molecular Spectroscopy, 2003, 221, 186-191.	1.2	9
83	Millimeter-wave spectroscopy of and its symmetric isotopologues: Determination of the molecular structure of the sulfonium ion. Journal of Molecular Spectroscopy, 2006, 240, 202-209.	1.2	9
84	FIRST LABORATORY MEASUREMENT OF THE JÂ=Â1Â^'Â0 TRANSITIONS OF ³⁶ArH⁺ AND ³⁸ArH⁺: NEW, IMPROVED REST FREQUENCIES FOR ASTRONOMICAL SEARCHES. Astrophysical Journal Letters, 2016, 820, L26.	8.3	9
85	O₂ signature in thin and thick O₂â^'H₂O ices. Astronomy and Astrophysics, 2018, 620, A46.	5.1	9
86	Determination of a semi-experimental equilibrium structure of 1-phosphapropyne from millimeter-wave spectroscopy of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.svg"><mml:mrow><mml:msub><mml:mrow><mml:mtext>CH</mml:mtext></mml:mrow><mml:mrow><mml:mn>3</mml:n and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si2.svg"><mml:mrow><mml:msub><mml:mrow><mml:mtext>CD</mml:mtext></mml:mrow><mml:mrow><mml. Journal of Molecular Structure, 2020, 1203, 127429.	3.6	9
87	DC3N observations towards high-mass star-forming regions. Monthly Notices of the Royal Astronomical Society, 2020, 496, 1990-1999.	4.4	9
88	Millimeter-Wave Spectroscopy of ClBS: An Improved Evaluation of the Equilibrium Structure of Chlorothioborine. Journal of Molecular Spectroscopy, 2002, 216, 177-190.	1.2	8
89	Improved rest frequencies for the submillimetre-wave spectrum of SiN. Astronomy and Astrophysics, 2006, 455, 1161-1164.	5.1	8
90	Vibrationally excited states of DC5N: Millimeter-wave spectroscopy and coupled cluster calculations. Journal of Molecular Structure, 2006, 780-781, 148-156.	3.6	8

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91	Millimeter- and submillimeter-wave spectroscopy of HBS and DBS in vibrationally excited states. Journal of Molecular Spectroscopy, 2007, 241, 67-74.	1.2	8
92	Accurate rest frequencies for the submillimetre-wave lines of C$_{sf 3}$O in ground and vibrationally excited states below 400Âcm$^{sf -1}$. Astronomy and Astrophysics, 2008, 492, 875-881.	5.1	8
93	High-resolution infrared spectroscopy of diacetylene below 1000â€‰cm^{âˆ'1}. Molecular Physics, 2011, 109, 2181-2190.	1.7	8
94	Accurate rest-frequencies of ketenimine (CH₂CNH) at submillimetre wavelength. Astronomy and Astrophysics, 2014, 565, A66.	5.1	8
95	Bulgeless galaxies in the COSMOS field: environment and star formation evolution at zÂ<Â1. Monthly Notices of the Royal Astronomical Society, 2018, 475, 735-747.	4.4	8
96	Rotational Spectroscopy of HB33S: The Quadrupole Coupling Constant of 33S in Thioborine. Journal of Molecular Spectroscopy, 2002, 215, 228-233.	1.2	7
97	Vibrationally excited states of HC5P: millimetre-wave spectroscopy and coupled cluster calculationsElectronic supplementary information (ESI) available: Theoretical force constants, measured transition frequencies and least-squares residuals. See http://www.rsc.org/suppdata/cp/b3/b307069g/. Physical Chemistry Chemical Physics, 2003, 5, 4090.	2.8	7
98	Improved centrifugal and hyperfine analysis of ND2H and NH2D and its application to the spectral line survey of L1544. Journal of Molecular Spectroscopy, 2021, 377, 111431.	1.2	7
99	FTIR spectroscopy of the2v3overtone band for different BrCN isotopomers: an improved evaluation of the anharmonic force field of cyanogen bromide. Molecular Physics, 2000, 98, 505-511.	1.7	6
100	Rotational spectroscopy of C-cyanophosphaethyne, NCCP, in states of multiple vibrational excitation. Physical Chemistry Chemical Physics, 2001, 3, 3490-3498.	2.8	6
101	Vibrationally excited states of NC4P: millimetre-wave spectroscopy and coupled cluster calculationsElectronic supplementary information (ESI) available: Experimental frequencies and least-squares residuals (in MHz) for seven vibrational states of NC4P. See http://www.rsc.org/suppdata/cp/b3/b311745f/. Physical Chemistry Chemical Physics, 2004, 6, 46.	2.8	6
102	Millimeter and submillimeter-wave spectroscopy of silicon difluoride. Journal of Molecular Spectroscopy, 2006, 235, 117-124.	1.2	6
103	Hyperfine constants, nuclear magnetic shielding and spinâ€"spin coupling parameters for AgI and CuI. Journal of Molecular Structure, 2007, 833, 175-183.	3.6	6
104	Submillimetre-wave spectrum of diacetylene and diacetylene-d2. Molecular Physics, 2010, 108, 2315-2323.	1.7	6
105	Doubly¹⁵N-substituted diazenylium: THz laboratory spectra and fractionation models. Astronomy and Astrophysics, 2017, 604, A26.	5.1	6
106	Rotational spectroscopy of the HCCO and DCCO radicals in the millimeter and submillimeter range. Astronomy and Astrophysics, 2019, 621, A111.	5.1	6
107	Millimeter-Wave and Diode Laser Spectroscopy of I13CN: Analysis of the Î½3Band System. Journal of Molecular Spectroscopy, 1997, 182, 98-112.	1.2	5
108	Centrifugal Distortion Analysis of the Millimeter-Wave Spectrum of 1,1,1,2-Tetrafluoroethane. Journal of Molecular Spectroscopy, 1998, 188, 251-252.	1.2	5

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109	The Radiative Decay of Green and Red Photoluminescent Phosphors: An Undergraduate Kinetics Experiment for Materials Chemistry. Journal of Chemical Education, 2008, 85, 839.	2.3	5
110	Fine and hyperfine structure of the transition of ND in vibrational excited states. Molecular Physics, 2011, 109, 2191-2198.	1.7	5
111	Accurate millimetre and submillimetre rest frequencies for cis- and trans-dithioformic acid, HCSSH. Astronomy and Astrophysics, 2018, 612, A56.	5.1	5
112	Collisional excitation of NH(3Î£â^') by Ar: A new ab initio 3D potential energy surface and scattering calculations. Journal of Chemical Physics, 2019, 150, 214302.	3.0	5
113	High-Resolution Infrared Spectroscopy of DC3N in the Stretching Region. Frontiers in Astronomy and Space Sciences, 2021, 8, .	2.8	5
114	An improved study of HCO+ and He system: Interaction potential, collisional relaxation, and pressure broadening. Journal of Chemical Physics, 2021, 155, 234306.	3.0	5
115	SOLIS. Astronomy and Astrophysics, 2022, 662, A104.	5.1	5
116	Detection of perturbation-allowed Î”J=2 transitions in the millimetre-wave spectrum of 81BrNO. Chemical Physics Letters, 1998, 293, 441-447.	2.6	4
117	High-Resolution Infrared Spectrum of BrCN in the Î½2 and Î½1/2Î½2 Regions. Journal of Molecular Spectroscopy, 2000, 199, 109-115.	1.2	4
118	Sub-Doppler millimetre-wave spectroscopy of DBS and HBS: accurate values of nuclear electric and magnetic hyperfine structure constants. Physical Chemistry Chemical Physics, 2008, 10, 658-665.	2.8	4
119	The Bornâ€“Oppenheimer equilibrium bond distance of GeO from millimetre- and submillimetre-wave spectra and quantum-chemical calculations. Molecular Physics, 2015, 113, 801-807.	1.7	4
120	Accurate Laboratory Measurement of the Complete Fine Structure of the NÂ=Â1Â^'Â0 Transition of ¹⁵NH. Astrophysical Journal, 2018, 863, 3.	4.5	4
121	First sample of N₂H⁺ nitrogen isotopic ratio measurements in low-mass protostars. Astronomy and Astrophysics, 2020, 644, A29.	5.1	4
122	Millimetre wave and diode laser spectroscopy of IC15N: anharmonic force field of cyanogen iodide from spectroscopic data and ab initio calculations. Molecular Physics, 1998, 93, 95-106.	1.7	4
123	Diode Laser and FTIR Spectroscopy of BrCN Isotopomers in the Region of the Î½3Band. Journal of Molecular Spectroscopy, 1998, 189, 264-269.	1.2	3
124	Fourier transform infrared spectroscopy of the 2Î½3 overtone band of different ICN isotopomers: an improved evaluation of the anharmonic force field of cyanogen iodide. Journal of Molecular Spectroscopy, 2003, 221, 213-220.	1.2	3
125	Submillimetre-wave spectrum, 14N-hyperfine structure, and dipole moment of cyclopropyl cyanide. Journal of Molecular Spectroscopy, 2008, 251, 138-144.	1.2	3
126	Disentangling the IR spectra of 2,3,3,3-tetrafluoropropene using an ab initio description of vibrational polyads by means of canonical Van Vleck perturbation theory. Journal of Quantitative Spectroscopy and Radiative Transfer, 2019, 239, 106656.	2.3	3

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127	Extensive ro-vibrational analysis of deuterated-cyanoacetylene (DC3N) from millimeter-wavelengths to the infrared domain. Journal of Quantitative Spectroscopy and Radiative Transfer, 2020, 254, 107221.	2.3	3
128	Submillimeter and Far-infrared Spectroscopy of Monodeuterated Amidogen Radical (NHD): Improved Rest Frequencies for Astrophysical Observations. Astrophysical Journal, Supplement Series, 2020, 247, 59.	7.7	3
129	Millimetre-wave spectroscopy of in ground and excited vibrational states. Chemical Physics, 2008, 346, 139-145.	1.9	2
130	Accurate ro-vibrational rest frequencies of DC4H at infrared and millimetre wavelengths. Astronomy and Astrophysics, 2013, 549, A38.	5.1	2
131	Seeds of Life in Space (SOLIS). Astronomy and Astrophysics, 2020, 635, A189.	5.1	2
132	Rotational spectroscopy of imidazole: Accurate spectroscopic information for three vibrationally excited states and the heavy-atom isotopologues up to 295ÂGHz. Journal of Molecular Spectroscopy, 2021, 378, 111452.	1.2	2
133	Conformational stability of cyclopropanecarboxaldehyde is ruled by vibrational effects. Molecular Physics, 0, , e1955988.	1.7	2
134	Spectroscopic and Computational Characterization of 2-Aza-1,3-butadiene, a Molecule of Astrochemical Significance. Journal of Physical Chemistry A, 2022, 126, 1881-1888.	2.5	2
135	Spectroscopic Characterization of 3-Aminoisoxazole, a Prebiotic Precursor of Ribonucleotides. Molecules, 2022, 27, 3278.	3.8	2
136	Millimeter-wave spectroscopy of deuterated hydrogen sulfide, SH2D+. Journal of Molecular Spectroscopy, 2009, 254, 33-38.	1.2	1
137	The high-resolution infrared spectrum of DC4H from 450 to 1100 cmâ˜1: Overtone, combination, and hot bands. Journal of Chemical Physics, 2013, 139, 154308.	3.0	1
138	The high-resolution infrared spectrum of fully deuterated diacetylene below 1000 cmâ˜1. Journal of Quantitative Spectroscopy and Radiative Transfer, 2015, 165, 12-21.	2.3	1
139	HSCO+ and DSCO+: a multi-technique approach in the laboratory for the spectroscopy of interstellar ions. Astronomy and Astrophysics, 2018, 620, A184.	5.1	1
140	Ab Initio Study of Fine and Hyperfine Interactions in Triplet POH. Molecules, 2022, 27, 302.	3.8	1
141	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
142	High resolution rotational spectroscopy of elusive molecules at the Center for Astrochemical Studies (CAS@MPE). Proceedings of the International Astronomical Union, 2019, 15, 375-376.	0.0	0
143	Towards the first radio galaxies. Proceedings of the International Astronomical Union, 2019, 15, 353-355.	0.0	0
144	LABORATORY SPECTROSCOPY OF ALLYLIMINE AND ITS TENTATIVE DETECTION IN THE INTERSTELLAR MEDIUM. , 2021, , .		0

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145	IMPROVED CENTRIFUGAL AND HYPERFINE ANALYSIS OF ND₂H AND NH₂D AND ITSAPPLICATION TO THE SPECTRAL LINE SURVEY OF L1544. , 2021, , .		0
146	THE SECOND RESONANCE SYSTEM OF HC₃N. NEW RO-VIBRATIONAL GLOBAL ANALYSIS FOR ALL THE EXCITED STATES BELOW 1300 cm^{−1}.. , 2021, , .		0
147	HIGH-RESOLUTION INFRARED SPECTROSCOPY OF DC₃N IN THE STRETCHING REGION. , 2021, , .		0
148	LABORATORY SPECTROSCOPY FOR ASTROCHEMISTRY: A ROTATIONAL INVESTIGATION OF 3-AMINO-2-PROPENENITRILE. , 2021, , .		0
149	A PRESTELLAR CORE 3MM LINE SURVEY: MOLECULAR COMPLEXITY IN L183. , 2017, , .		0
150	What is in a radio loud NLS1?. , 2018, , .		0
151	SPECTRAL ANALYSIS OF IMIDAZOLE EXTENDED INTO THE MILLIMETER-WAVE REGION.. , 2020, , .		0
152	THz SPECTRA OF NHD AND ND2: FROM LABORATORY TO ASTRONOMICAL DETECTIONS. , 2020, , .		0
153	Dipolar spin-spin coupling as auxiliary tool for structure determination of small isolated molecules. Physical Chemistry Chemical Physics, 0, , .	2.8	0