Alberto Lesarri

List of Publications by Year
in descending order

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194	4,957	117625	133252
papers	citations	34 h-index	59 g-index

207	207	207	2332
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Rotational spectroscopy of the large saturated dinitriles hexanedinitrile and heptanedinitrile. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2022, 270, 120844.	3.9	1
2	Water binding to the atmospheric oxidation product methyl vinyl ketone. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2022, 270, 120846.	3.9	2
3	Torsional chirality and molecular recognition: the homo and heterochiral dimers of thenyl and furfuryl alcohol. Physical Chemistry Chemical Physics, 2022, 24, 8999-9006.	2.8	4
4	Hydrogen Bonding in the Dimer and Monohydrate of 2-Adamantanol: A Test Case for Dispersion-Corrected Density Functional Methods. Molecules, 2022, 27, 2584.	3.8	3
5	The First Stages of Nanomicelle Formation Captured in the Sevoflurane Trimer. Journal of Physical Chemistry Letters, 2022, 13, 3770-3775.	4.6	3
6	Internal rotation and chlorine nuclear quadrupole coupling in 2-chloro-4-fluorotoluene explored by microwave spectroscopy and quantum chemistry. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 247, 119120.	3.9	9
7	Exploring Epigenetic Marks by Analysis of Noncovalent Interactions. ChemBioChem, 2021, 22, 408-415.	2.6	2
8	Noncovalent interactions in isolated molecular aggregates: From single molecules to nanostructures. , 2021, , 143-188.		0
9	Molecular Rotation Spectrum of Tetracyclic Quinolizidines: Observation of trans-Matrine and the Elusive cis-Matrine. Journal of Organic Chemistry, 2021, 86, 1861-1867.	3.2	0
10	How accurate is the determination of equilibrium structures for van der Waals complexes? The dimer N2Oâ‹¯CO as an example. Journal of Chemical Physics, 2021, 154, 194302.	3.0	5
11	Chirality, structure and hydrogen bonding in dithiols: Rotational spectrum of the chiral and meso 2,3-butanedithiol. Journal of Molecular Structure, 2021, 1246, 131221.	3.6	1
12	Interaction topologies of the Sâ‹¯O chalcogen bond: the conformational equilibrium of the cyclohexanolâ‹¯SO₂ cluster. Physical Chemistry Chemical Physics, 2021, 23, 10799-10806.	2.8	8
13	Switching Hydrogen Bonding to Ï€-Stacking: The Thiophenol Dimer and Trimer. Journal of Physical Chemistry Letters, 2021, 12, 1367-1373.	4.6	29
14	Rovibronic signatures of molecular aggregation in the gas phase: subtle homochirality trends in the dimer, trimer and tetramer of benzyl alcohol. Physical Chemistry Chemical Physics, 2021, 23, 23610-23624.	2.8	13
15	Molecular Recognition, Transient Chirality and Sulfur Hydrogen Bonding in the Benzyl Mercaptan Dimer. Symmetry, 2021, 13, 2022.	2.2	11
16	Chirality-Puckering correlation and intermolecular interactions in Sphingosines: Rotational spectroscopy of jaspine B3 and its monohydrate. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 267, 120531.	3.9	1
17	The Six Isomers of the Cyclohexanol Dimer: A Delicate Test for Dispersion Models. Angewandte Chemie - International Edition, 2020, 59, 14081-14085.	13.8	14
18	Sulfur hydrogen bonding and internal dynamics in the monohydrates of thenyl mercaptan and thenyl alcohol. Physical Chemistry Chemical Physics, 2020, 22, 12412-12421.	2.8	21

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19	Halogen bond and internal dynamics in the Ïƒâ€“complex of pyridine-chlorotrifluoromethane: A rotational study. Journal of Molecular Spectroscopy, 2020, 371, 111323.	1.2	8
20	Rotational spectrum and intramolecular hydrogen bonding in 1,2-butanedithiol. Journal of Molecular Structure, 2020, 1211, 128080.	3.6	8
21	Conformational impact of aliphatic side chains in local anaesthetics: benzocaine, butamben and isobutamben. Chemical Communications, 2020, 56, 6094-6097.	4.1	3
22	The Six Isomers of the Cyclohexanol Dimer: A Delicate Test for Dispersion Models. Angewandte Chemie, 2020, 132, 14185-14189.	2.0	0
23	Evaluation of the aggregation process in a mixture of propofol and benzocaine. Physical Chemistry Chemical Physics, 2019, 21, 3537-3544.	2.8	0
24	Rotational spectroscopy of organophosphorous chemical agents: cresyl and phenyl saligenin phosphates. Physical Chemistry Chemical Physics, 2019, 21, 16418-16422.	2.8	0
25	Frontispiece: The Hydrogen Bond and Beyond: Perspectives for Rotational Investigations of Nonâ€Covalent Interactions. Chemistry - A European Journal, 2019, 25, .	3.3	1
26	Rotational Spectrum, Tunneling Motions, and Intramolecular Potential Barriers in Benzyl Mercaptan. Journal of Physical Chemistry A, 2019, 123, 8435-8440.	2.5	6
27	Internal dynamics of cyclohexanol and the cyclohexanolâ€“water adduct. Physical Chemistry Chemical Physics, 2019, 21, 3676-3682.	2.8	25
28	Conformational Behavior of <scp>d</scp>-Lyxose in Gas and Solution Phases by Rotational and NMR Spectroscopies. Journal of Physical Chemistry Letters, 2019, 10, 3339-3345.	4.6	9
29	How flexible is the disulfide linker? A combined rotationalâ€“computational investigation of diallyl disulfide. Physical Chemistry Chemical Physics, 2019, 21, 19732-19736.	2.8	13
30	Molecular systems with nearly-free internal rotation and nuclear quadrupole coupling: Meta-chlorotoluene. Journal of Molecular Spectroscopy, 2019, 361, 1-7.	1.2	15
31	The Hydrogen Bond and Beyond: Perspectives for Rotational Investigations of Nonâ€Covalent Interactions. Chemistry - A European Journal, 2019, 25, 11402-11411.	3.3	82
32	An Efficient Microkinetic Modeling Protocol: Start with Only the Dominant Mechanisms, Adjust All Parameters, and Build the Complete Model Incrementally. ACS Catalysis, 2019, 9, 4804-4809.	11.2	13
33	The Sâ‹¯S Bridge: A Mixed Experimentalâ€Computational Estimation of the Equilibrium Structure of Diphenyl Disulfide. ChemPhysChem, 2019, 20, 366-373.	2.1	13
34	Semiexperimental and mass-dependent structures by the mixed regression method: Accurate equilibrium structure and failure of the Kraitchman method for ethynylcyclohexane. Journal of Chemical Physics, 2018, 148, 064306.	3.0	16
35	Sulfur Hydrogen Bonding in Isolated Monohydrates: Furfuryl Mercaptan versus Furfuryl Alcohol. Chemistry - A European Journal, 2018, 24, 6564-6571.	3.3	27
36	The low internal rotation barriers of halogenated toluenes: Rotational spectrum of 2,4-difluorotoluene. Journal of Molecular Spectroscopy, 2018, 344, 21-26.	1.2	16

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37	Isomerism of the Aniline Trimer. Angewandte Chemie, 2018, 130, 15332-15336.	2.0	6
38	Isomerism of the Aniline Trimer. Angewandte Chemie - International Edition, 2018, 57, 15112-15116.	13.8	19
39	Frontispiece: Stepwise Nucleation of Aniline: Emergence of Spectroscopic Fingerprints of the Liquid Phase. Chemistry - A European Journal, 2018, 24, .	3.3	0
40	Internal rotation in halogenated toluenes: Rotational spectrum of 2,3-difluorotoluene. Journal of Molecular Spectroscopy, 2018, 349, 37-42.	1.2	14
41	Stepwise Nucleation of Aniline: Emergence of Spectroscopic Fingerprints of the Liquid Phase. Chemistry - A European Journal, 2018, 24, 10291-10295.	3.3	12
42	Structural Studies of Nicotinoids: Cotinine versus Nicotine. Chemistry - A European Journal, 2017, 23, 7238-7244.	3.3	6
43	A butterfly motion of formic acid and cyclobutanone in the 1â€‰:â€‰1 hydrogen bonded molecular cluster. Physical Chemistry Chemical Physics, 2017, 19, 204-209.	2.8	16
44	Structural Studies of Nicotinoids: Cotinine versus Nicotine. Chemistry - A European Journal, 2017, 23, 7156-7156.	3.3	5
45	Rotational spectra of tetracyclic quinolizidine alkaloids: does a water molecule flip sparteine?. Physical Chemistry Chemical Physics, 2017, 19, 17553-17559.	2.8	4
46	Spectroscopy and inter/intramolecular dynamics in honor of Walther Caminati. Journal of Molecular Spectroscopy, 2017, 335, 1-2.	1.2	0
47	A DFT-Based Computational-Experimental Methodology for Synthetic Chemistry: Example of Application to the Catalytic Opening of Epoxides by Titanocene. Journal of Organic Chemistry, 2017, 82, 3760-3766.	3.2	12
48	Axialâ€“equatorial isomerism and semiexperimental equilibrium structures of fluorocyclohexane. Physical Chemistry Chemical Physics, 2017, 19, 29162-29169.	2.8	18
49	Internal rotation in halogenated toluenes: Rotational spectrum of 2,5-difluorotoluene. Journal of Molecular Spectroscopy, 2017, 337, 46-50.	1.2	15
50	Spectroscopy and inter/intramolecular dynamics in Honor of Walther Caminati. Journal of Molecular Spectroscopy, 2017, 337, 1-2.	1.2	1
51	Nâ€Methyl Inversion and Accurate Equilibrium Structures in Alkaloids: Pseudopelletierine. Chemistry - A European Journal, 2017, 23, 16491-16496.	3.3	7
52	N -Methyl Inversion and Accurate Equilibrium Structures in Alkaloids: Pseudopelletierine. Chemistry - A European Journal, 2017, 23, 16412-16412.	3.3	2
53	Inversion of Bicyclic Decanes: Rotational Spectra of the Trans and Double Cis Conformations of 2â€Decalone. ChemPhysChem, 2017, 18, 3620-3624.	2.1	3
54	Scopine Isolated in the Gas Phase. ChemPhysChem, 2016, 17, 3030-3034.	2.1	5

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55	The Conformational Map of Volatile Anesthetics: Enflurane Revisited. Chemistry - A European Journal, 2016, 22, 9804-9811.	3.3	4
56	Call for papers for special issue of Journal of Molecular Spectroscopy focusing on â€Spectroscopy and Inter/Intramolecular Dynamics in Honor of Walther Caminatiâ€. Journal of Molecular Spectroscopy, 2016, 330, 248.	1.2	0
57	Furanosic forms of sugars: conformational equilibrium of methyl Î²-‹scp›d‹/scp›-ribofuranoside. Chemical Communications, 2016, 52, 6241-6244.	4.1	19
58	The equilibrium molecular structures of 2-deoxyribose and fructose by the semiexperimental mixed estimation method and coupled-cluster computations. Physical Chemistry Chemical Physics, 2016, 18, 15555-15563.	2.8	22
59	Intermolecular Hydrogen Bonding in 2-Fluoropyridine-Water. ChemistrySelect, 2016, 1, 1273-1277.	1.5	10
60	Unravelling Proteinâ€“DNA Interactions at Molecular Level: A DFT and NCI Study. Journal of Chemical Theory and Computation, 2016, 12, 523-534.	5.3	35
61	Potential energy surface of fluoroxene: experiment and theory. Physical Chemistry Chemical Physics, 2016, 18, 3966-3974.	2.8	8
62	Structural Distortion of the Epoxy Groups in Norbornanes: A Rotational Study of ‹i›exo‹/i›â€2,3â€Epoxynorbornane. ChemPhysChem, 2015, 16, 2609-2614.	2.1	2
63	Internal Dynamics in Halogenâ€Bonded Adducts: A Rotational Study of Chlorotrifluoromethaneâ€“Formaldehyde. Chemistry - A European Journal, 2015, 21, 4148-4152.	3.3	14
64	Chiral recognition and atropisomerism in the sevoflurane dimer. Physical Chemistry Chemical Physics, 2015, 17, 18282-18287.	2.8	25
65	AUTOFIT, an automated fitting tool for broadband rotational spectra, and applications to 1-hexanal. Journal of Molecular Spectroscopy, 2015, 312, 13-21.	1.2	82
66	Six-fold-symmetry internal rotation in toluenes: the low barrier challenge of 2,6- and 3,5-difluorotoluene. Physical Chemistry Chemical Physics, 2015, 17, 26463-26470.	2.8	26
67	Accurate Equilibrium Structures for Piperidine and Cyclohexane. Journal of Physical Chemistry A, 2015, 119, 1486-1493.	2.5	17
68	Oï£¿Hâ‹…â‹…â‹…N and Cï£¿Hâ‹…â‹…â‹…O Hydrogen Bonds Control Hydration of Pivotal Tropane Alkaloids: Tropinoneâ‹…â‹…â‹…H‹sub›2‹/sub›O Complex. ChemPhysChem, 2014, 15, 918-923.	2.1	8
69	Pseudorotational Landscape of Sevenâ€Membered Rings: The Most Stable Chair and Twistâ€Boat Conformers of Îµâ€Caprolactone. Chemistry - A European Journal, 2014, 20, 14084-14089.	3.3	12
70	Interactions between freons and aromatic molecules: The rotational spectrum of pyridineâ€“difluoromethane. Chemical Physics Letters, 2014, 591, 216-219.	2.6	16
71	Mimicking anestheticâ€“receptor interactions in jets: the propofolâ€“isopropanol cluster. Physical Chemistry Chemical Physics, 2014, 16, 16968.	2.8	9
72	Competition between weak hydrogen bonds: Câ€“Hâ‹¯Cl is preferred to Câ€“Hâ‹¯F in CH‹sub›2‹/sub›ClFâ€“H‹sub›2‹/sub›CO, as revealed by rotational spectroscopy. Physical Chemistry Chemical Physics, 2014, 16, 12261-12265.	2.8	21

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73	Interactions between alkanes and aromatic molecules: a rotational study of pyridineâ€“methane. Physical Chemistry Chemical Physics, 2014, 16, 13041-13046.	2.8	16
74	Molecular hydration of propofol dimers in supersonic expansions: formation of active centre-like structures. Physical Chemistry Chemical Physics, 2014, 16, 23301-23307.	2.8	4
75	Weak Câ€“Hâ‹¯N and Câ€“Hâ‹¯F hydrogen bonds and internal rotation in pyridineâ€“CH₃F. Physical Chemistry Chemical Physics, 2014, 16, 2149-2153.	2.8	25
76	Static and Dynamic Properties of 1,1â€²â€Bi2â€naphthol and Its Conjugated Acids and Bases. Chemistry - A European Journal, 2014, 20, 14816-14825.	3.3	10
77	Conformational Flexibility of Mephenesin. Journal of Physical Chemistry B, 2014, 118, 5357-5364.	2.6	3
78	Water Encapsulation by Nanomicelles. Angewandte Chemie - International Edition, 2014, 53, 12480-12483.	13.8	14
79	How Water Interacts with Halogenated Anesthetics: The Rotational Spectrum of Isofluraneâ€“Water. Chemistry - A European Journal, 2014, 20, 1980-1984.	3.3	7
80	Probing the Cï£¿Hâ‹…â‹…â‹…Ï€ Weak Hydrogen Bond in Anesthetic Binding: The Sevofluraneâ€“Benzene Cluster. Angewandte Chemie - International Edition, 2014, 53, 3210-3213.	13.8	33
81	Free Fructose Is Conformationally Locked. Journal of the American Chemical Society, 2013, 135, 2845-2852.	13.7	71
82	Accurate Semiexperimental Structure of 1,3,4-Oxadiazole by the Mixed Estimation Method. Journal of Physical Chemistry A, 2013, 117, 2278-2284.	2.5	17
83	Unraveling the Benzocaineâ€“Receptor Interaction at Molecular Level Using Mass-Resolved Spectroscopy. Journal of Physical Chemistry B, 2013, 117, 13472-13480.	2.6	11
84	Rotational Spectra of Bicyclic Decanes: The Trans Conformation of (âˆ’)-Lupinine. Journal of Physical Chemistry A, 2013, 117, 13673-13679.	2.5	7
85	The interplay of hydrogen bonding and dispersion in phenol dimer and trimer: structures from broadband rotational spectroscopy. Physical Chemistry Chemical Physics, 2013, 15, 11468.	2.8	64
86	Formation of water polyhedrons in propofolâ€“water clusters. Physical Chemistry Chemical Physics, 2013, 15, 568-575.	2.8	16
87	Rotational spectroscopy of antipyretics: Conformation, structure, and internal dynamics of phenazone. Journal of Chemical Physics, 2013, 138, 114304.	3.0	8
88	The Distorted Tropane of Scopoline. ChemPhysChem, 2013, 14, 1830-1835.	2.1	7
89	Non-bonding interactions and internal dynamics in CH2F2â‹¯H2CO: a rotational and model calculations study. Physical Chemistry Chemical Physics, 2013, 15, 6714.	2.8	18
90	Magic Numbers in the Solvation of the Propofol Dimer. ChemPhysChem, 2013, 14, 1558-1562.	2.1	8

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91	Shaping Micelles: The Interplay Between Hydrogen Bonds and Dispersive Interactions. Angewandte Chemie - International Edition, 2013, 52, 7772-7775.	13.8	31
92	Transition from Planar to Nonplanar Hydrogen Bond Networks in the Solvation of Aromatic Dimers: Propofol2-(H2O)2â€“4. Journal of Physical Chemistry A, 2013, 117, 3396-3404.	2.5	3
93	THE CM-, MM-, AND SUB-MM-WAVE SPECTRUM OF ALLYL ISOCYANIDE AND RADIOASTRONOMICAL OBSERVATIONS IN ORION KL AND THE SgrB2 LINE SURVEYS. Astrophysical Journal, 2013, 777, 120.	4.5	13
94	Six Pyranoside Forms of Free 2â€Deoxyâ€<scp>D</scp>â€ribose. Angewandte Chemie - International Edition, 2013, 52, 11840-11845.	13.8	45
95	A combined spectroscopic and theoretical study of propofolÂ·(H2O)3. Journal of Chemical Physics, 2012, 137, 074303.	3.0	18
96	Mimicking anaestheticâ€“receptor interaction: a combined spectroscopic and computational study of propofolâ¯phenol. Physical Chemistry Chemical Physics, 2012, 14, 8956.	2.8	25
97	Semiexperimental Equilibrium Structures for the Equatorial Conformers of N-Methylpiperidone and Tropinone by the Mixed Estimation Method. Journal of Physical Chemistry A, 2012, 116, 8684-8692.	2.5	26
98	Exploring microsolvation of the anesthetic propofol. Physical Chemistry Chemical Physics, 2012, 14, 4398.	2.8	40
99	A Spectroscopic Approach to the Solvation of Anesthetics in Jets: Propofol(H2O)n, n = 4â€“6. Journal of Physical Chemistry A, 2012, 116, 8934-8941.	2.5	18
100	Single Hydration of the Peptide Bond: The Case of the Vince Lactam. Journal of Physical Chemistry A, 2012, 116, 10099-10106.	2.5	6
101	Proton Tunneling in Heterodimers of Carboxylic Acids: A Rotational Study of the Benzoic Acidâ€“Formic Acid Bimolecule. Journal of Physical Chemistry Letters, 2012, 3, 3770-3775.	4.6	52
102	Ribose Found in the Gas Phase. Angewandte Chemie - International Edition, 2012, 51, 3119-3124.	13.8	97
103	Structural evidence of anomeric effects in the anesthetic isoflurane. Physical Chemistry Chemical Physics, 2011, 13, 6610.	2.8	31
104	Structure and properties of the (HCl)2H2O cluster observed by chirped-pulse Fourier transform microwave spectroscopy. Physical Chemistry Chemical Physics, 2011, 13, 13912.	2.8	12
105	N-Methyl Inversion and Structure of Six-Membered Heterocyclic Rings: Rotational Spectrum of 1-Methyl-4-piperidone. Journal of Physical Chemistry A, 2011, 115, 9545-9551.	2.5	4
106	How Trifluoroacetone Interacts with Water. Journal of Physical Chemistry A, 2011, 115, 9493-9497.	2.5	11
107	Conformational behaviour, hydrogen bond competition and intramolecular dynamics in vanillin derivatives: acetovanillone and 6-hydroxy-3-methoxyacetophenone. Physical Chemistry Chemical Physics, 2011, 13, 13310.	2.8	13
108	Structural studies of biomolecules in the gas phase by chirped-pulse Fourier transform microwave spectroscopy. Faraday Discussions, 2011, 150, 227.	3.2	31

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109	Rotational spectroscopy of iodobenzene and iodobenzeneâ€“neon with a direct digital 2â€“8GHz chirped-pulse Fourier transform microwave spectrometer. Journal of Molecular Spectroscopy, 2011, 269, 21-29.	1.2	58
110	Competing hydrogen bonding in methoxyphenols: The rotational spectrum of o-vanillin. Journal of Molecular Spectroscopy, 2011, 267, 112-117.	1.2	14
111	Discriminating the structure ofexo-2-aminonorbornane using nuclear quadrupole coupling interactions. Journal of Chemical Physics, 2011, 134, 164311.	3.0	12
112	The Conformational Landscape of Nicotinoids: Solving the Conformational Disparity of Anabasine. Chemistry - A European Journal, 2010, 16, 10214-10219.	3.3	20
113	On the Trimerization of Cyanoacetylene: Mechanism of Formation of Tricyanobenzene Isomers and Laboratory Detection of Their Radio Spectra. Chemistry - A European Journal, 2010, 16, 14115-14123.	3.3	7
114	Rotational spectrum of trifluoroacetone. Journal of Molecular Spectroscopy, 2010, 259, 65-69.	1.2	24
115	Conformational equilibria in vanillin and ethylvanillin. Physical Chemistry Chemical Physics, 2010, 12, 12486.	2.8	44
116	Interplay of Phenol and Isopropyl Isomerism in Propofol from Broadband Chirped-Pulse Microwave Spectroscopy. Journal of the American Chemical Society, 2010, 132, 13417-13424.	13.7	30
117	N-Methyl stereochemistry in tropinone: the conformational flexibility of the tropane motif. Physical Chemistry Chemical Physics, 2010, 12, 6076.	2.8	27
118	The conformational landscape of the volatile anesthetic sevoflurane. Physical Chemistry Chemical Physics, 2010, 12, 9624.	2.8	30
119	Conformation of chiral molecules: The rotational spectrum of 2-chloropropionic acid. Chemical Physics Letters, 2009, 468, 18-22.	2.6	3
120	New insights on the reaction mechanisms for CO oxidation on Au catalysts. Chemical Physics Letters, 2009, 468, 201-204.	2.6	18
121	Semiexperimental Equilibrium Structure for the C₆ Backbone of cis-1,3,5-Hexatriene; Structural Evidence for Greater Ï€-Electron Delocalization with Increasing Chain Length in Polyenes. Journal of Physical Chemistry A, 2009, 113, 1864-1868.	2.5	9
122	Combined Experimental and Theoretical Study of the Benzocaine/Ar van der Waals System in Supersonic Expansions. Journal of Physical Chemistry A, 2009, 113, 982-988.	2.5	11
123	Molecular recognition in the gas phase: benzocaineâ€“phenol as a model of anaestheticâ€“receptor interaction. Physical Chemistry Chemical Physics, 2009, 11, 11608.	2.8	21
124	The Shape of Leucine in the Gas Phase. ChemPhysChem, 2007, 8, 599-604.	2.1	76
125	The shape of neutral sarcosine in gas phase. Chemical Physics Letters, 2007, 435, 336-341.	2.6	30
126	Microsolvation of Formamide:Â A Rotational Study. Journal of the American Chemical Society, 2006, 128, 12111-12121.	13.7	108

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127	The Shape of Î²-Alanine. Journal of the American Chemical Society, 2006, 128, 3812-3817.	13.7	84
128	The pure rotational spectrum of TeSe: Rotational parameters, Bornâ€“Oppenheimer breakdown corrections, and hyperfine constants. Journal of Molecular Structure, 2006, 795, 163-172.	3.6	9
129	The Glycineâ€“Water Complex. Angewandte Chemie - International Edition, 2006, 45, 3471-3474.	13.8	111
130	Conformations of Î±-Aminobutyric Acid in the Gas Phase. ChemPhysChem, 2006, 7, 1481-1487.	2.1	25
131	Detection of SiCCO in the Laboratory. Astrophysical Journal, 2005, 621, L157-L159.	4.5	10
132	Rotational spectra, nuclear quadrupole hyperfine tensors, and conformational structures of the mustard gas simulent 2-chloroethyl ethyl sulfide. Journal of Molecular Spectroscopy, 2005, 233, 180-188.	1.2	6
133	Weak hydrogen bonds Câ€“Hâ‹¯S and Câ€“Hâ‹¯Fâ€“C in the thiiraneâ€“trifluoromethane dimer. Chemical Physics Letters, 2005, 402, 4-10.	2.6	40
134	The rotational spectrum of the 3,3-dimethyloxetaneâ‹¯hydrogen chloride complex. Chemical Physics Letters, 2005, 401, 259-265.	2.6	4
135	Coded Amino Acids in Gas Phase:Â The Shape of Isoleucine. Journal of the American Chemical Society, 2005, 127, 12952-12956.	13.7	90
136	Gas-Phase Structure ofN,N-Dimethylglycine. ChemPhysChem, 2005, 6, 1559-1566.	2.1	31
137	The Internuclear Potential, Electronic Structure, and Chemical Bond of Tellurium Selenide. Angewandte Chemie - International Edition, 2005, 44, 6311-6315.	13.8	27
138	Conformational equilibrium of formanilide: detection of the pure rotational spectrum of the tunnellingcisconformer. Molecular Physics, 2005, 103, 1473-1479.	1.7	17
139	Intermolecular hydrogen bond in molecules with large amplitude motions: rotational spectrum of the complex 3,3-dimethyloxetaneâ‹¯hydrogen fluoride. Physical Chemistry Chemical Physics, 2005, 7, 1157-1163.	2.8	9
140	Shape of 4(S)- and 4(R)-Hydroxyproline in Gas Phase. Journal of the American Chemical Society, 2005, 127, 2572-2579.	13.7	68
141	A rotational study of laser ablated thiourea. Journal of Chemical Physics, 2004, 120, 6191-6196.	3.0	43
142	The Shape of Neutral Valine. Angewandte Chemie - International Edition, 2004, 43, 605-610.	13.8	103
143	Tunnelling Motion of HF Between the Two Oxygen Lone Pairs in the Dimethyl Etherâ€“Hydrogen Fluoride Complex: A Pure Rotational Study. ChemPhysChem, 2004, 5, 336-341.	2.1	14
144	Bifurcated CH2â‹…â‹…â‹…â‹…O and (Cï£¿H)2â‹…â‹…â‹…Fï£¿C Weak Hydrogen Bonds: The Oxirane-Difluoromethane Complex. ChemPhysChem, 2004, 5, 1779-1782.	2.1	30

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145	The rotational spectrum of fluorotetraacetylene produced by electric discharge. Journal of Molecular Spectroscopy, 2004, 227, 202-205.	1.2	8
146	Molecular beam Fourier transform microwave spectrum of the dimethyletherâ€“xenon complex: tunnelling splitting and 131Xe quadrupole coupling constants. Chemical Physics Letters, 2004, 392, 1-6.	2.6	139
147	Free internal rotation in CH3â€“CCâ€“CF3. Chemical Physics Letters, 2004, 397, 379-381.	2.6	12
148	Weak Câˆ’HÂ·Â·Â·O and Câˆ’HÂ·Â·Â·Fâˆ’C Hydrogen Bonds in the Oxiraneâˆ’Trifluoromethane Dimer. Journal of the American Chemical Society, 2004, 126, 3244-3249.	13.7	139
149	The Gas-Phase Structure of Alanine. Journal of the American Chemical Society, 2004, 126, 11675-11683.	13.7	183
150	Molecular beam pulsed-discharge Fourier transform microwave spectra of CH3â€“C˜†Câ€“F, CH3â€“(C˜†C)2â€“F, and CH3â€“(C˜†C)3â€“F. Chemical Physics Letters, 2003, 375, 355-363.	2.6	11
151	Line assignments and global analysis of the tunnelingâ€“rotational microwave absorption spectrum of dimethyl methylphosphonate. Journal of Molecular Spectroscopy, 2003, 218, 114-126.	1.2	12
152	A laser-ablation molecular-beam Fourier-transform microwave spectrometer: The rotational spectrum of organic solids. Review of Scientific Instruments, 2003, 74, 4799-4804.	1.3	100
153	Rotational spectrum of jet-cooled HfO2 and HfO. Journal of Chemical Physics, 2002, 117, 9651-9662.	3.0	45
154	The hydrogen-bonded heterodimer between methylene cyclobutane and hydrogen chloride: Observation of an endo conformer. Journal of Chemical Physics, 2002, 116, 4116-4123.	3.0	9
155	Rotational Spectra of Fluorodiacetylene and Fluorotriacetylene Produced by Electrical Discharge. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2002, 57, 76-78.	1.5	5
156	Axial and Equatorial Hydrogen Bonds: Jet-Cooled Rotational Spectrum of the Pentamethylene Sulfideâ‹…â‹…â‹…Hydrogen Fluoride Complex. Chemistry - A European Journal, 2002, 8, 1603-1613.	3.3	16
157	The Structure of Neutral Proline. Angewandte Chemie - International Edition, 2002, 41, 4673-4676.	13.8	134
158	Fourier Transform Microwave Spectrum and ab Initio Study of Dimethyl Methylphosphonate. Journal of Molecular Spectroscopy, 2002, 211, 110-118.	1.2	74
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