

Alberto Lesarri

List of Articles by Year in descending order

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3044

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#	ARTICLE	IF	CITATIONS
1	Exploring the conformational landscape through rotational spectroscopy and computational modelling: The tunneling dynamics in 2,6-diethylphenol. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2025, 324, 124978.	4.3	2
2	Conformational Space of 3-Chloropropionic Acid in Gas Phase Explored by Rotational Spectroscopy. <i>Journal of Physical Chemistry A</i> , 2025, 129, 109-118.	2.5	3
3	Gas-Phase Conformational Landscape and Ring-Puckered Structure of ϵ -Aminoindane. <i>ChemPhysChem</i> , 2025, 26, .	1.9	4
4	Water Cooperativity Impacts Aromatic Interactions in the Aggregation of Benzene with Water. <i>Journal of the American Chemical Society</i> , 2025, 147, 19568-19574.	15.0	2
5	Hydrogen Bond Interaction Networks in the Mixed Pentamers of Hydrogen Sulfide and Water. <i>Journal of the American Chemical Society</i> , 2025, 147, 18576-18582.	15.0	2
6	Rotational investigation of volatile anesthetics: Conformational equilibrium, molecular structure, and complex hyperfine interactions of methoxyflurane. <i>Journal of Chemical Physics</i> , 2025, 162, .	2.8	1
7	Molecular structure and internal dynamics of the antioxidant 2,6-di-tert-butylphenol. <i>Journal of Molecular Structure</i> , 2024, 1296, 136910.	4.1	6
8	Rotational Spectroscopy and Conformational Flexibility of 2-Phenylethanethiol: The Dominant Intramolecular Hydrogen Bond. <i>ChemPhysChem</i> , 2024, 25, .	1.9	2
9	A Rotational Study of tert-Butylphenol and Its 1 Argon Complex. <i>ChemPhysChem</i> , 2024, 25, .	1.9	2
10	Adaptive Response to Solvation in Flexible Molecules: Oligo Hydrates of 4-Hydroxy-2-butanone. <i>Angewandte Chemie - International Edition</i> , 2024, 63, .	14.4	9
11	Adaptive Reaktion bei der Lösung von flexiblen Molekülen: Oligohydrate von 4-Hydroxy-2-butanon. <i>Angewandte Chemie</i> , 2024, 136, .	1.4	0
12	Competition between O-H and S-H Intermolecular Interactions in Conformationally Complex Systems: The 2-Phenylethanethiol and 2-Phenylethanol Dimers. <i>Journal of Physical Chemistry Letters</i> , 2024, 15, 5674-5680.	4.2	11
13	Cyano-Polycyclic Aromatic Hydrocarbon Interstellar Candidates: Laboratory Identification, Equilibrium Structure and Astronomical Search of Cyanobiphenylene. <i>Journal of Physical Chemistry Letters</i> , 2024, 15, 7411-7418.	4.2	9
14	Rotational spectra of five cyano derivatives of fluorene. <i>Physical Chemistry Chemical Physics</i> , 2024, 26, 23703-23709.	2.7	7
15	π -Stacking Isomerism in Polycyclic Aromatic Hydrocarbons: The 2-Naphthalenethiol Dimer. <i>Journal of Physical Chemistry Letters</i> , 2023, 14, 207-213.	4.2	27
16	Probing the n \rightarrow π^* carbonyl-carbonyl interactions in the formaldehyde-trifluoroacetone dimer by rotational spectroscopy. <i>Journal of Chemical Physics</i> , 2023, 158, .	2.8	4
17	Sulfur-arene interactions: the S- π and S-H- π interactions in the dimers of benzofuran-sulfur dioxide and benzofuran-hydrogen sulfide. <i>Physical Chemistry Chemical Physics</i> , 2023, 25, 12174-12181.	2.7	15
18	Equilibrium structures of selenium compounds: The torsionally flexible molecule of selenophenol. <i>Journal of Chemical Physics</i> , 2023, 159, .	2.8	1

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19	The Structure of 2,6-Di-tert-butylphenol by Rotational Spectroscopy. <i>Molecules</i> , 2023, 28, 8111.	4.2	3
20	Chirality-Puckering correlation and intermolecular interactions in Sphingosines: Rotational spectroscopy of jaspine B3 and its monohydrate. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 267, 120531.	4.3	1
21	Rotational spectroscopy of the large saturated dinitriles hexanedinitrile and heptanedinitrile. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 270, 120844.	4.3	2
22	Water binding to the atmospheric oxidation product methyl vinyl ketone. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 270, 120846.	4.3	4
23	Torsional chirality and molecular recognition: the homo and heterochiral dimers of thenyl and furfuryl alcohol. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 8999-9006.	2.7	5
24	Hydrogen Bonding in the Dimer and Monohydrate of 2-Adamantanol: A Test Case for Dispersion-Corrected Density Functional Methods. <i>Molecules</i> , 2022, 27, 2584.	4.2	6
25	The First Stages of Nanomicelle Formation Captured in the Sevoflurane Trimer. <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 3770-3775.	4.2	11
26	Microhydration of Phenyl Formate: Gas-Phase Laser Spectroscopy, Microwave Spectroscopy, and Quantum Chemistry Calculations. <i>ChemPhysChem</i> , 2022, 23, .	1.9	3
27	The evolution towards cyclic structures in the aggregation of aromatic alcohols: the dimer, trimer and tetramer of 2-phenylethanol. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 24800-24809.	2.7	8
28	Internal rotation and chlorine nuclear quadrupole coupling in 2-chloro-4-fluorotoluene explored by microwave spectroscopy and quantum chemistry. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 247, 119120.	4.3	11
29	Exploring Epigenetic Marks by Analysis of Noncovalent Interactions. <i>ChemBioChem</i> , 2021, 22, 408-415.	2.6	19
30	Molecular Rotation Spectrum of Tetracyclic Quinolizidines: Observation of trans-Matrine and the Elusive cis-Matrine. <i>Journal of Organic Chemistry</i> , 2021, 86, 1861-1867.	3.5	1
31	How accurate is the determination of equilibrium structures for van der Waals complexes? The dimer N ₂ O-CO as an example. <i>Journal of Chemical Physics</i> , 2021, 154, .	2.8	6
32	Chirality, structure and hydrogen bonding in dithiols: Rotational spectrum of the chiral and meso 2,3-butanedithiol. <i>Journal of Molecular Structure</i> , 2021, 1246, 131221.	4.1	1
33	Interaction topologies of the S-O chalcogen bond: the conformational equilibrium of the cyclohexanol-SO ₂ cluster. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 10799-10806.	2.7	9
34	Switching Hydrogen Bonding to π -Stacking: The Thiophenol Dimer and Trimer. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 1367-1373.	4.2	44
35	Rovibronic signatures of molecular aggregation in the gas phase: subtle homochirality trends in the dimer, trimer and tetramer of benzyl alcohol. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 23610-23624.	2.7	21
36	Molecular Recognition, Transient Chirality and Sulfur Hydrogen Bonding in the Benzyl Mercaptan Dimer. <i>Symmetry</i> , 2021, 13, 2022.	1.9	18

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37	The Six Isomers of the Cyclohexanol Dimer: A Delicate Test for Dispersion Models. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 14081-14085.	14.4	18
38	Sulfur hydrogen bonding and internal dynamics in the monohydrates of thenyl mercaptan and thenyl alcohol. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 12412-12421.	2.7	26
39	Halogen bond and internal dynamics in the π - π complex of pyridine-chlorotrifluoromethane: A rotational study. <i>Journal of Molecular Spectroscopy</i> , 2020, 371, 111323.	1.3	10
40	Rotational spectrum and intramolecular hydrogen bonding in 1,2-butanedithiol. <i>Journal of Molecular Structure</i> , 2020, 1211, 128080.	4.1	9
41	Conformational impact of aliphatic side chains in local anaesthetics: benzocaine, butamben and isobutamben. <i>Chemical Communications</i> , 2020, 56, 6094-6097.	3.4	6
42	The Six Isomers of the Cyclohexanol Dimer: A Delicate Test for Dispersion Models. <i>Angewandte Chemie</i> , 2020, 132, 14185-14189.	1.4	1
43	Evaluation of the aggregation process in a mixture of propofol and benzocaine. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 3537-3544.	2.7	0
44	Rotational spectroscopy of organophosphorous chemical agents: cresyl and phenyl saligenin phosphates. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 16418-16422.	2.7	1
45	Rotational Spectrum, Tunneling Motions, and Intramolecular Potential Barriers in Benzyl Mercaptan. <i>Journal of Physical Chemistry A</i> , 2019, 123, 8435-8440.	2.5	7
46	Internal dynamics of cyclohexanol and the cyclohexanol-water adduct. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 3676-3682.	2.7	27
47	Conformational Behavior of α -Lyxose in Gas and Solution Phases by Rotational and NMR Spectroscopies. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 3339-3345.	4.2	14
48	How flexible is the disulfide linker? A combined rotational-computational investigation of diallyl disulfide. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 19732-19736.	2.7	18
49	Molecular systems with nearly-free internal rotation and nuclear quadrupole coupling: Meta-chlorotoluene. <i>Journal of Molecular Spectroscopy</i> , 2019, 361, 1-7.	1.3	16
50	The Hydrogen Bond and Beyond: Perspectives for Rotational Investigations of Non-Covalent Interactions. <i>Chemistry - A European Journal</i> , 2019, 25, 11402-11411.	3.4	111
51	An Efficient Microkinetic Modeling Protocol: Start with Only the Dominant Mechanisms, Adjust All Parameters, and Build the Complete Model Incrementally. <i>ACS Catalysis</i> , 2019, 9, 4804-4809.	12.4	18
52	The S-S Bridge: A Mixed Experimental-Computational Estimation of the Equilibrium Structure of Diphenyl Disulfide. <i>ChemPhysChem</i> , 2019, 20, 366-373.	1.9	17
53	Semiexperimental and mass-dependent structures by the mixed regression method: Accurate equilibrium structure and failure of the Kraitchman method for ethynylcyclohexane. <i>Journal of Chemical Physics</i> , 2018, 148, .	2.8	19
54	Sulfur Hydrogen Bonding in Isolated Monohydrates: Furfuryl Mercaptan versus Furfuryl Alcohol. <i>Chemistry - A European Journal</i> , 2018, 24, 6564-6571.	3.4	35

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55	The low internal rotation barriers of halogenated toluenes: Rotational spectrum of 2,4-difluorotoluene. <i>Journal of Molecular Spectroscopy</i> , 2018, 344, 21-26.	1.3	16
56	Isomerism of the Aniline Trimer. <i>Angewandte Chemie</i> , 2018, 130, 15332-15336.	1.4	6
57	Isomerism of the Aniline Trimer. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 15112-15116.	14.4	24
58	Internal rotation in halogenated toluenes: Rotational spectrum of 2,3-difluorotoluene. <i>Journal of Molecular Spectroscopy</i> , 2018, 349, 37-42.	1.3	14
59	Stepwise Nucleation of Aniline: Emergence of Spectroscopic Fingerprints of the Liquid Phase. <i>Chemistry - A European Journal</i> , 2018, 24, 10291-10295.	3.4	15
60	Structural Studies of Nicotinoids: Cotinine versus Nicotine. <i>Chemistry - A European Journal</i> , 2017, 23, 7238-7244.	3.4	13
61	A butterfly motion of formic acid and cyclobutanone in the 1:1 hydrogen bonded molecular cluster. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 204-209.	2.7	16
62	Rotational spectra of tetracyclic quinolizidine alkaloids: does a water molecule flip sparteine?. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 17553-17559.	2.7	6
63	A DFT-Based Computational-Experimental Methodology for Synthetic Chemistry: Example of Application to the Catalytic Opening of Epoxides by Titanocene. <i>Journal of Organic Chemistry</i> , 2017, 82, 3760-3766.	3.5	14
64	Axial-equatorial isomerism and semiexperimental equilibrium structures of fluorocyclohexane. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 29162-29169.	2.7	19
65	Internal rotation in halogenated toluenes: Rotational spectrum of 2,5-difluorotoluene. <i>Journal of Molecular Spectroscopy</i> , 2017, 337, 46-50.	1.3	15
66	N-Methyl Inversion and Accurate Equilibrium Structures in Alkaloids: Pseudopelletierine. <i>Chemistry - A European Journal</i> , 2017, 23, 16491-16496.	3.4	7
67	Inversion of Bicyclic Decanes: Rotational Spectra of the Trans and Double Cis Conformations of 2-Decalone. <i>ChemPhysChem</i> , 2017, 18, 3620-3624.	1.9	4
68	Scopine Isolated in the Gas Phase. <i>ChemPhysChem</i> , 2016, 17, 3030-3034.	1.9	5
69	The Conformational Map of Volatile Anesthetics: Enflurane Revisited. <i>Chemistry - A European Journal</i> , 2016, 22, 9804-9811.	3.4	6
70	Furanosic forms of sugars: conformational equilibrium of methyl β -D-ribofuranoside. <i>Chemical Communications</i> , 2016, 52, 6241-6244.	3.4	20
71	The equilibrium molecular structures of 2-deoxyribose and fructose by the semiexperimental mixed estimation method and coupled-cluster computations. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 15555-15563.	2.7	26
72	Intermolecular Hydrogen Bonding in 2-Fluoropyridine-Water. <i>ChemistrySelect</i> , 2016, 1, 1273-1277.	1.7	11

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73	Unravelling Protein-DNA Interactions at Molecular Level: A DFT and NCI Study. <i>Journal of Chemical Theory and Computation</i> , 2016, 12, 523-534.	5.1	40
74	Potential energy surface of fluoroxene: experiment and theory. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 3966-3974.	2.7	15
75	Structural Distortion of the Epoxy Groups in Norbornanes: A Rotational Study of exo-2,3-Epoxy-norbornane. <i>ChemPhysChem</i> , 2015, 16, 2609-2614.	1.9	2
76	Internal Dynamics in Halogen-Bonded Adducts: A Rotational Study of Chlorotrifluoromethane-Formaldehyde. <i>Chemistry - A European Journal</i> , 2015, 21, 4148-4152.	3.4	14
77	Chiral recognition and atropisomerism in the sevoflurane dimer. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 18282-18287.	2.7	28
78	AUTOFIT, an automated fitting tool for broadband rotational spectra, and applications to 1-hexanal. <i>Journal of Molecular Spectroscopy</i> , 2015, 312, 13-21.	1.3	93
79	Six-fold-symmetry internal rotation in toluenes: the low barrier challenge of 2,6- and 3,5-difluorotoluene. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 26463-26470.	2.7	26
80	Accurate Equilibrium Structures for Piperidine and Cyclohexane. <i>Journal of Physical Chemistry A</i> , 2015, 119, 1486-1493.	2.5	21
81	$\text{O}^{\delta-}\text{H}^{\delta+}\dots\text{N}$ and $\text{C}^{\delta-}\text{H}^{\delta+}\dots\text{O}$ Hydrogen Bonds Control Hydration of Pivotal Tropane Alkaloids: Tropine- H_2O Complex. <i>ChemPhysChem</i> , 2014, 15, 918-923.	1.9	8
82	Pseudorotational Landscape of Seven-Membered Rings: The Most Stable Chair and Twist-Boat Conformers of β -Caprolactone. <i>Chemistry - A European Journal</i> , 2014, 20, 14084-14089.	3.4	13
83	Interactions between freons and aromatic molecules: The rotational spectrum of pyridine-difluoromethane. <i>Chemical Physics Letters</i> , 2014, 591, 216-219.	2.7	17
84	Mimicking anesthetic-receptor interactions in jets: the propofol-isopropanol cluster. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 16968.	2.7	10
85	Competition between weak hydrogen bonds: $\text{C}^{\delta-}\text{H}^{\delta+}\text{Cl}$ is preferred to $\text{C}^{\delta-}\text{H}^{\delta+}\text{F}$ in $\text{CH}_2\text{ClF}\cdots\text{H}_2\text{CO}$, as revealed by rotational spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 12261-12265.	2.7	22
86	Interactions between alkanes and aromatic molecules: a rotational study of pyridine-methane. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 13041-13046.	2.7	18
87	Molecular hydration of propofol dimers in supersonic expansions: formation of active centre-like structures. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 23301-23307.	2.7	4
88	Weak $\text{C}^{\delta-}\text{H}^{\delta+}\text{N}$ and $\text{C}^{\delta-}\text{H}^{\delta+}\text{F}$ hydrogen bonds and internal rotation in pyridine- CH_3F . <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 2149-2153.	2.7	29
89	Static and Dynamic Properties of 1,1-Bis(2-Naphthol) and Its Conjugated Acids and Bases. <i>Chemistry - A European Journal</i> , 2014, 20, 14816-14825.	3.4	10
90	Conformational Flexibility of Mephesisin. <i>Journal of Physical Chemistry B</i> , 2014, 118, 5357-5364.	2.7	5

#	ARTICLE	IF	CITATIONS
109	THE CM-, MM-, AND SUB-MM-WAVE SPECTRUM OF ALLYL ISOCYANIDE AND RADIOASTRONOMICAL OBSERVATIONS IN ORION KL AND THE SgrB2 LINE SURVEYS. <i>Astrophysical Journal</i> , 2013, 777, 120.	5.2	15
110	Shaping Micelles: The Interplay Between Hydrogen Bonds and Dispersive Interactions. <i>Angewandte Chemie</i> , 2013, 125, 7926-7929.	1.4	7
111	Six Pyranoside Forms of Free 2-Deoxyribose. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 11840-11845.	14.4	50
112	A combined spectroscopic and theoretical study of propofol·(H ₂ O) ₃ . <i>Journal of Chemical Physics</i> , 2012, 137, .	2.8	19
113	Mimicking anaesthetic-receptor interaction: a combined spectroscopic and computational study of propofol-phenol. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 8956.	2.7	26
114	Semiexperimental Equilibrium Structures for the Equatorial Conformers of N-Methylpiperidone and Tropinone by the Mixed Estimation Method. <i>Journal of Physical Chemistry A</i> , 2012, 116, 8684-8692.	2.5	27
115	Exploring microsolvation of the anesthetic propofol. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 4398.	2.7	43
116	A Spectroscopic Approach to the Solvation of Anesthetics in Jets: Propofol(H ₂ O) _n , n = 4-6. <i>Journal of Physical Chemistry A</i> , 2012, 116, 8934-8941.	2.5	18
117	Single Hydration of the Peptide Bond: The Case of the Vince Lactam. <i>Journal of Physical Chemistry A</i> , 2012, 116, 10099-10106.	2.5	6
118	Proton Tunneling in Heterodimers of Carboxylic Acids: A Rotational Study of the Benzoic Acid-Formic Acid Bimolecule. <i>Journal of Physical Chemistry Letters</i> , 2012, 3, 3770-3775.	4.2	54
119	Ribose Found in the Gas Phase. <i>Angewandte Chemie</i> , 2012, 124, 3173-3178.	1.4	22
120	Ribose Found in the Gas Phase. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 3119-3124.	14.4	105
121	Structural evidence of anomeric effects in the anesthetic isoflurane. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 6610.	2.7	34
122	Structure and properties of the (HCl) ₂ H ₂ O cluster observed by chirped-pulse Fourier transform microwave spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 13912.	2.7	14
123	N-Methyl Inversion and Structure of Six-Membered Heterocyclic Rings: Rotational Spectrum of 1-Methyl-4-piperidone. <i>Journal of Physical Chemistry A</i> , 2011, 115, 9545-9551.	2.5	4
124	How Trifluoroacetone Interacts with Water. <i>Journal of Physical Chemistry A</i> , 2011, 115, 9493-9497.	2.5	12
125	Conformational behaviour, hydrogen bond competition and intramolecular dynamics in vanillin derivatives: acetovanillone and 6-hydroxy-3-methoxyacetophenone. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 13310.	2.7	16
126	Structural studies of biomolecules in the gas phase by chirped-pulse Fourier transform microwave spectroscopy. <i>Faraday Discussions</i> , 2011, 150, 227.	3.0	37

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127	Rotational spectroscopy of iodobenzene and iodobenzene- ²⁸ Ne with a direct digital 8 GHz chirped-pulse Fourier transform microwave spectrometer. <i>Journal of Molecular Spectroscopy</i> , 2011, 269, 21-29.	1.3	71
128	Competing hydrogen bonding in methoxyphenols: The rotational spectrum of o-vanillin. <i>Journal of Molecular Spectroscopy</i> , 2011, 267, 112-117.	1.3	14
129	Discriminating the structure of exo-2-aminonorborene using nuclear quadrupole coupling interactions. <i>Journal of Chemical Physics</i> , 2011, 134, .	2.8	12
130	The Conformational Landscape of Nicotinoids: Solving the Conformational Disparity of Anabasine. <i>Chemistry - A European Journal</i> , 2010, 16, 10214-10219.	3.4	20
131	On the Trimerization of Cyanoacetylene: Mechanism of Formation of Tricyanobenzene Isomers and Laboratory Detection of Their Radio Spectra. <i>Chemistry - A European Journal</i> , 2010, 16, 14115-14123.	3.4	7
132	Rotational spectrum of trifluoroacetone. <i>Journal of Molecular Spectroscopy</i> , 2010, 259, 65-69.	1.3	24
133	Conformational equilibria in vanillin and ethylvanillin. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 12486-12493.	2.7	50
134	Interplay of Phenol and Isopropyl Isomerism in Propofol from Broadband Chirped-Pulse Microwave Spectroscopy. <i>Journal of the American Chemical Society</i> , 2010, 132, 13417-13424.	15.0	33
135	N-Methyl stereochemistry in tropinone: the conformational flexibility of the tropane motif. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 6076.	2.7	27
136	The conformational landscape of the volatile anesthetic sevoflurane. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 9624.	2.7	33
137	Conformation of chiral molecules: The rotational spectrum of 2-chloropropionic acid. <i>Chemical Physics Letters</i> , 2009, 468, 18-22.	2.7	5
138	New insights on the reaction mechanisms for CO oxidation on Au catalysts. <i>Chemical Physics Letters</i> , 2009, 468, 201-204.	2.7	18
139	Semiexperimental Equilibrium Structure for the C ₆ Backbone of cis-1,3,5-Hexatriene; Structural Evidence for Greater π -Electron Delocalization with Increasing Chain Length in Polyenes. <i>Journal of Physical Chemistry A</i> , 2009, 113, 1864-1868.	2.5	9
140	Combined Experimental and Theoretical Study of the Benzocaine/Ar van der Waals System in Supersonic Expansions. <i>Journal of Physical Chemistry A</i> , 2009, 113, 982-988.	2.5	11
141	Molecular recognition in the gas phase: benzocaine-phenol as a model of anaesthetic-receptor interaction. <i>Physical Chemistry Chemical Physics</i> , 2009, 11, 11608.	2.7	21
142	The Shape of Leucine in the Gas Phase. <i>ChemPhysChem</i> , 2007, 8, 599-604.	1.9	77
143	The shape of neutral sarcosine in gas phase. <i>Chemical Physics Letters</i> , 2007, 435, 336-341.	2.7	30
144	Microsolvation of Formamide: A Rotational Study. <i>Journal of the American Chemical Society</i> , 2006, 128, 12111-12121.	15.0	119

#	ARTICLE	IF	CITATIONS
145	The Shape of β -Alanine. <i>Journal of the American Chemical Society</i> , 2006, 128, 3812-3817.	15.0	86
146	The pure rotational spectrum of TeSe: Rotational parameters, Born-Oppenheimer breakdown corrections, and hyperfine constants. <i>Journal of Molecular Structure</i> , 2006, 795, 163-172.	4.1	10
147	The Glycine-Water Complex. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 3471-3474.	14.4	115
148	Conformations of β -Aminobutyric Acid in the Gas Phase. <i>ChemPhysChem</i> , 2006, 7, 1481-1487.	1.9	25
149	The Glycine-Water Complex. <i>Angewandte Chemie</i> , 2006, 118, 3551-3554.	1.4	25
150	Detection of SiCCO in the Laboratory. <i>Astrophysical Journal</i> , 2005, 621, L157-L159.	5.2	10
151	Rotational spectra, nuclear quadrupole hyperfine tensors, and conformational structures of the mustard gas simulant 2-chloroethyl ethyl sulfide. <i>Journal of Molecular Spectroscopy</i> , 2005, 233, 180-188.	1.3	6
152	Weak hydrogen bonds $\text{C}=\text{H}\cdots\text{S}$ and $\text{C}=\text{H}\cdots\text{F}\cdots\text{C}$ in the thiirane-trifluoromethane dimer. <i>Chemical Physics Letters</i> , 2005, 402, 4-10.	2.7	46
153	The rotational spectrum of the 3,3-dimethyloxetane-hydrogen chloride complex. <i>Chemical Physics Letters</i> , 2005, 401, 259-265.	2.7	4
154	Coded Amino Acids in Gas Phase: The Shape of Isoleucine. <i>Journal of the American Chemical Society</i> , 2005, 127, 12952-12956.	15.0	92
155	Gas-Phase Structure of N,N-Dimethylglycine. <i>ChemPhysChem</i> , 2005, 6, 1559-1566.	1.9	31
156	The Internuclear Potential, Electronic Structure, and Chemical Bond of Tellurium Selenide. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 6311-6315.	14.4	29
157	Kern-Kern-Potential, Elektronenstruktur und chemische Bindung von Tellurselenid. <i>Angewandte Chemie</i> , 2005, 117, 6469-6473.	1.4	5
158	Conformational equilibrium of formanilide: detection of the pure rotational spectrum of the tunnelling conformer. <i>Molecular Physics</i> , 2005, 103, 1473-1479.	2.2	19
159	Intermolecular hydrogen bond in molecules with large amplitude motions: rotational spectrum of the complex 3,3-dimethyloxetane-hydrogen fluoride. <i>Physical Chemistry Chemical Physics</i> , 2005, 7, 1157-1163.	2.7	9
160	Shape of 4(S)- and 4(R)-Hydroxyproline in Gas Phase. <i>Journal of the American Chemical Society</i> , 2005, 127, 2572-2579.	15.0	70
161	A rotational study of laser ablated thiourea. <i>Journal of Chemical Physics</i> , 2004, 120, 6191-6196.	2.8	43
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