

Walther Caminati

List of Publications by Year in descending order

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3213
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#	ARTICLE	IF	CITATIONS
1	Interaction Types in $C_6H_5(CH_2)_nOH$ ($n = 1-10$). <i>Journal of Physical Chemistry A</i> , 2022, 126, 149-155.	4.6	10
2	Skeletal Torsion Tunneling and Methyl Internal Rotation: The Coupled Large Amplitude Motions in Phenyl Acetate. <i>Molecules</i> , 2022, 27, 2730.	3.8	5
3	The LAM of the Rings: Large Amplitude Motions in Aromatic Molecules Studied by Microwave Spectroscopy. <i>Molecules</i> , 2022, 27, 3948.	3.8	10
4	Rotational spectrum and internal dynamics of the hydrogen-bonded pyrrole-pyridine aromatic pair. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 249, 119320.	3.9	1
5	Hydrogen versus tetrel bonds in complexes of 3-oxetanone with water and formaldehyde. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 7295-7301.	2.8	8
6	Chlorine π -Equatorial Belt Activation of CF_3Cl by CO_2 : The $C\cdots\hat{A}\cdots\hat{A}\cdots Cl$ Tetrel Bond Dominance in $CF_3Cl\cdots CO_2$. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 3907-3913.	4.6	17
7	Switching Aromatic Character by Complexation: π to π^* Change Seen in Molecular Rotation Spectra. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 5150-5155.	4.6	9
8	Rotational studies of adducts between carboxylic acids and tertiary alcohols: Formic acid π -tert-butyl alcohol. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 254, 119621.	3.9	3
9	A rotational study of the 1:1 adduct of ethanol and 1,4-dioxane. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 261, 120086.	3.9	2
10	Switching Hydrogen Bonding to π -Stacking: The Thiophenol Dimer and Trimer. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 1367-1373.	4.6	29
11	Halogen bond and internal dynamics in the π -complex of pyridine-chlorotrifluoromethane: A rotational study. <i>Journal of Molecular Spectroscopy</i> , 2020, 371, 111323.	1.2	8
12	Conformational impact of aliphatic side chains in local anaesthetics: benzocaine, butamben and isobutamben. <i>Chemical Communications</i> , 2020, 56, 6094-6097.	4.1	3
13	The rotational spectrum of cyclohexyl formate, chemically prepared within a supersonic expansion. <i>Journal of Molecular Structure</i> , 2020, 1209, 127952.	3.6	3
14	Interactions between azines and alcohols: a rotational study of pyridine-tert-butyl alcohol. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 3545-3549.	2.8	3
15	Frontispiece: The Hydrogen Bond and Beyond: Perspectives for Rotational Investigations of Non-Covalent Interactions. <i>Chemistry - A European Journal</i> , 2019, 25, .	3.3	1
16	Rotational Spectrum, Tunneling Motions, and Intramolecular Potential Barriers in Benzyl Mercaptan. <i>Journal of Physical Chemistry A</i> , 2019, 123, 8435-8440.	2.5	6
17	Internal dynamics of cyclohexanol and the cyclohexanol-water adduct. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 3676-3682.	2.8	25
18	Non covalent interactions stabilizing the chiral dimer of CH_2ClF : a rotational study. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 3695-3700.	2.8	5

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19	Chalcogen bond and internal dynamics of the 2,2,4,4-tetrafluoro-1,3-dithietane \cdot water complex. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 15656-15661.	2.8	12
20	The Hydrogen Bond and Beyond: Perspectives for Rotational Investigations of Non \cdot Covalent Interactions. <i>Chemistry - A European Journal</i> , 2019, 25, 11402-11411.	3.3	82
21	Carboxylic Acids, Reactivity with Alcohols and Clustering with Esters: A Rotational Study of Formic Acid \cdot Isopropylformate. <i>Journal of Physical Chemistry A</i> , 2019, 123, 1785-1789.	2.5	6
22	Modeling the internal rotation tunnelling in benzyl alcohol by ring fluorination: The rotational spectrum of 3,5-difluorobenzyl alcohol. <i>Chemical Physics Letters: X</i> , 2019, 1, 100004.	2.1	7
23	The Barrier to Proton Transfer in the Dimer of Formic Acid: A Pure Rotational Study. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 859-865.	13.8	48
24	The rotational spectrum of methyl trifluoroacetate. <i>Molecular Physics</i> , 2018, 116, 3503-3506.	1.7	5
25	Quantum Effects for a Proton in a Low-Barrier, Double-Well Potential: Core Level Photoemission Spectroscopy of Acetylacetone. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 521-526.	4.6	13
26	Barrier to Proton Transfer in the Dimer of Formic Acid: A Pure Rotational Study. <i>Angewandte Chemie</i> , 2018, 131, 869.	2.0	10
27	Quantitative Chiral Analysis by Molecular Rotational Spectroscopy. , 2018, , 679-729.		35
28	Microwave study of internal rotation in para-tolualdehyde: Local versus global symmetry effects at the methyl-rotor site. <i>Journal of Molecular Spectroscopy</i> , 2018, 351, 55-61.	1.2	13
29	Advancements in Microwave Spectroscopy. , 2018, , 569-598.		31
30	Rotational study of the bimolecule acetic acid-fluoroacetic acid. <i>Chemical Physics Letters</i> , 2017, 667, 154-157.	2.6	2
31	The Borderline between Reactivity and Pre \cdot reactivity of Binary Mixtures of Gaseous Carboxylic Acids and Alcohols. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 3872-3875.	13.8	14
32	Noncovalent Interactions and Internal Dynamics in Pyridine \cdot Ammonia: A Combined Quantum \cdot Chemical and Microwave Spectroscopy Study. <i>Chemistry - A European Journal</i> , 2017, 23, 4876-4883.	3.3	39
33	A butterfly motion of formic acid and cyclobutanone in the 1 \cdot 1 hydrogen bonded molecular cluster. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 204-209.	2.8	16
34	Effects of deuteration of the methyl and phenyl hydrogens on the rotational spectrum of anisole \cdot water. <i>Journal of Molecular Spectroscopy</i> , 2017, 337, 86-89.	1.2	4
35	Interactions between Ketones and Alcohols: Rotational Spectrum and Internal Dynamics of the Acetone \cdot Ethanol Complex. <i>Chemistry - A European Journal</i> , 2017, 23, 11119-11125.	3.3	8
36	The Borderline between Reactivity and Pre \cdot reactivity of Binary Mixtures of Gaseous Carboxylic Acids and Alcohols. <i>Angewandte Chemie</i> , 2017, 129, 3930-3933.	2.0	6

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37	Pulsed jet Fourier transform microwave spectroscopy of the BF ₃ -CO complex. <i>Journal of Molecular Spectroscopy</i> , 2017, 335, 80-83.	1.2	5
38	Rotational spectrum of the tetrafluoromethane-ethylene oxide. <i>Journal of Molecular Spectroscopy</i> , 2017, 335, 84-87.	1.2	6
39	Conformational equilibrium and internal dynamics in the iso-propanol-water dimer. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 568-573.	2.8	19
40	Rotational Spectroscopy Probes Water Flipping by Full Fluorination of Benzene. <i>Angewandte Chemie</i> , 2017, 129, 13887-13891.	2.0	13
41	Rotational Spectroscopy Probes Water Flipping by Full Fluorination of Benzene. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 13699-13703.	13.8	27
42	Furanosic forms of sugars: conformational equilibrium of methyl ² -D-ribofuranoside. <i>Chemical Communications</i> , 2016, 52, 6241-6244.	4.1	19
43	Probing the Lone Pair-Hole Interaction in Perfluorinated Heteroaromatic Rings: The Rotational Spectrum of Pentafluoropyridine-Water. <i>Journal of Physical Chemistry Letters</i> , 2016, 7, 1513-1517.	4.6	36
44	Shape of the Adduct Formic Acid-Dimethyl Ether: A Rotational Study. <i>Journal of Physical Chemistry A</i> , 2016, 120, 2863-2867.	2.5	12
45	Hydrated forms of fluoroacetic acid: a rotational study. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 23651-23656.	2.8	13
46	Intermolecular Hydrogen Bonding in 2-Fluoropyridine-Water. <i>ChemistrySelect</i> , 2016, 1, 1273-1277.	1.5	10
47	Conformational Equilibrium and Internal Dynamics of E-Anethole: A Rotational Study. <i>Journal of Physical Chemistry B</i> , 2016, 120, 6587-6591.	2.6	10
48	The rotational spectrum of CF ₃ Cl Ar. <i>Chemical Physics Letters</i> , 2016, 653, 1-4.	2.6	7
49	Conformational Equilibrium and Potential Energy Functions of the O-H Internal Rotation in the Axial and Equatorial Species of 1-Methylcyclohexanol. <i>Journal of Physical Chemistry A</i> , 2016, 120, 4338-4342.	2.5	10
50	On the Cl-C halogen bond: a rotational study of CF ₃ Cl-CO. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 17851-17855.	2.8	38
51	Effects of Fluorine Substitution on the Microsolvation of Aromatic Azines: The Microwave Spectrum of 3-Fluoropyridine-Water. <i>Journal of Physical Chemistry A</i> , 2016, 120, 5163-5168.	2.5	12
52	Potential energy surface of fluoroxene: experiment and theory. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 3966-3974.	2.8	8
53	Rotational Study of Dimethyl Ether-Chlorotrifluoroethylene: Lone Pair-Hole Interaction Links the Two Subunits. <i>Journal of Physical Chemistry A</i> , 2016, 120, 4939-4943.	2.5	22
54	Solving the Tautomeric Equilibrium of Purine through Analysis of the Complex Hyperfine Structure of the Four ¹⁴ N Nuclei. <i>Journal of Physical Chemistry Letters</i> , 2016, 7, 1187-1191.	4.6	5

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55	Interactions between Carboxylic Acids and Heteroaromatics: A Rotational Study of Formic Acid–Pyridine. <i>Journal of Physical Chemistry A</i> , 2016, 120, 5094-5098.	2.5	16
56	The Cage Structure of Indan-5-yl-CH ₃ is Based on the Cooperative Effects of C–H···N and C–H···F Weak Hydrogen Bonds. <i>Chemistry - A European Journal</i> , 2015, 21, 15970-15973.	3.3	7
57	Chloromethane–Water Adduct: Rotational Spectrum, Weak Hydrogen Bonds, and Internal Dynamics. <i>Chemistry - an Asian Journal</i> , 2015, 10, 1198-1203.	3.3	4
58	Internal Dynamics in Halogen-Bonded Adducts: A Rotational Study of Chlorotrifluoromethane–Formaldehyde. <i>Chemistry - A European Journal</i> , 2015, 21, 4148-4152.	3.3	14
59	How CO ₂ Interacts with Carboxylic Acids: A Rotational Study of Formic Acid–CO ₂ . <i>ChemPhysChem</i> , 2015, 16, 2961-2967.	2.1	26
60	Rotational Spectrum of Dichloromethane–Ne: Internal Dynamics and Cl Quadrupolar Hyperfine Effects. <i>Journal of Physical Chemistry A</i> , 2015, 119, 11813-11819.	2.5	5
61	N lone-pair···N interaction: a rotational study of chlorotrifluoroethylene–ammonia. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 7694-7698.	2.8	24
62	Weak hydrogen bonds in adducts between freons: the rotational study of CH ₂ F ₂ –CH ₂ ClF. <i>New Journal of Chemistry</i> , 2015, 39, 2296-2299.	2.8	8
63	Ring puckering splitting and structure of indan. <i>Journal of Molecular Spectroscopy</i> , 2015, 316, 45-48.	1.2	6
64	Conformational landscape of indan-5-ol: A free-jet millimetre wave study. <i>Journal of Molecular Spectroscopy</i> , 2015, 307, 6-9.	1.2	1
65	Average orientation of water in CH ₂ F ₂ –H ₂ O from the 17O quadrupole effects in the rotational spectrum of CH ₂ F ₂ –H ₂ ¹⁷ O. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 136, 64-67.	3.9	3
66	Conformational Equilibria and Large-Amplitude Motions in Dimers of Carboxylic Acids: Rotational Spectrum of Acetic Acid–Difluoroacetic Acid. <i>ChemPhysChem</i> , 2014, 15, 2977-2984.	2.1	12
67	O–H···N and C–H···O Hydrogen Bonds Control Hydration of Pivotal Tropane Alkaloids: Tropinone–H ₂ O Complex. <i>ChemPhysChem</i> , 2014, 15, 918-923.	2.1	8
68	Interactions between Freons: A Rotational Study of CH ₂ F ₂ –CH ₂ Cl ₂ . <i>Chemistry - an Asian Journal</i> , 2014, 9, 1032-1038.	3.3	16
69	Adducts of alcohols with ketones: A rotational study of the molecular complex Ethylalcohol–Cyclobutanone. <i>Journal of Molecular Spectroscopy</i> , 2014, 299, 38-42.	1.2	3
70	The rotational spectrum of formic acid–fluoroacetic acid. <i>Journal of Molecular Spectroscopy</i> , 2014, 299, 1-5.	1.2	16
71	Conformers of dimers of carboxylic acids in the gas phase: A rotational study of difluoroacetic acid–formic acid. <i>Chemical Physics Letters</i> , 2014, 591, 301-305.	2.6	24
72	Interactions between freons and aromatic molecules: The rotational spectrum of pyridine–difluoromethane. <i>Chemical Physics Letters</i> , 2014, 591, 216-219.	2.6	16

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73	Halogen Bond and Free Internal Rotation: The Microwave Spectrum of CF ₃ Cl Dimethyl Ether. <i>Journal of Physical Chemistry A</i> , 2014, 118, 579-582.	2.5	34
74	The shape of trifluoromethoxybenzene. <i>Journal of Molecular Spectroscopy</i> , 2014, 297, 32-34.	1.2	11
75	Interactions between Carboxylic Acids and Aldehydes: A Rotational Study of HCOOH-CH ₂ O. <i>Journal of Physical Chemistry A</i> , 2014, 118, 10738-10741.	2.5	22
76	Competition between weak hydrogen bonds: C-H...Cl is preferred to C-H...F in CH ₂ ClF-H ₂ CO, as revealed by rotational spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 12261-12265.	2.8	21
77	Interactions between alkanes and aromatic molecules: a rotational study of pyridine-methane. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 13041-13046.	2.8	16
78	Oligomers based on weak hydrogen bond networks: a rotational study of the tetramer of difluoromethane. <i>Chemical Communications</i> , 2014, 50, 171-173.	4.1	43
79	Weak C-H...N and C-H...F hydrogen bonds and internal rotation in pyridine-CH ₃ F. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 2149-2153.	2.8	25
80	Conformational Flexibility of Mephesisin. <i>Journal of Physical Chemistry B</i> , 2014, 118, 5357-5364.	2.6	3
81	Fluorination Effects on the Shapes of Complexes of Water with Ethers: A Rotational Study of Trifluoroanisole-Water. <i>Journal of Physical Chemistry A</i> , 2014, 118, 1047-1051.	2.5	7
82	Halogen-Halogen Links and Internal Dynamics in Adducts of Freons. <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 1591-1595.	4.6	25
83	Morphing the Internal Dynamics of Acetylacetone by CH ₃ CF ₃ Substitutions. The Rotational Spectrum of Trifluoroacetylacetone. <i>Journal of Physical Chemistry A</i> , 2014, 118, 4243-4248.	2.5	11
84	Interaction between Freons and Amines: The C-H...N Weak Hydrogen Bond in Quinuclidine-Trifluoromethane. <i>Journal of Physical Chemistry A</i> , 2014, 118, 737-740.	2.5	11
85	Effective orientation of water in 1,4-dioxane-water: the rotational spectrum of the H ₂ ¹⁷ O isotopologue. <i>Molecular Physics</i> , 2014, 112, 2419-2423.	1.7	3
86	Computational Screening of Weak Hydrogen Bond Networks: Predicting Stable Structures for Difluoromethane Oligomers. <i>Journal of Chemical Theory and Computation</i> , 2014, 10, 2204-2211.	5.3	8
87	Laboratory rotational spectrum of acrylic acid and its isotopologues in the 6-18.5GHz and 52-74.4GHz frequency ranges. <i>Journal of Molecular Spectroscopy</i> , 2014, 295, 37-43.	1.2	10
88	Frontiers in Rotational Spectroscopy: Shapes and Tunneling Dynamics of the Four Conformers of the Acrylic Acid-Difluoroacetic Acid Adduct. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 530-534.	13.8	31
89	How Water Interacts with Halogenated Anesthetics: The Rotational Spectrum of Isoflurane-Water. <i>Chemistry - A European Journal</i> , 2014, 20, 1980-1984.	3.3	7
90	Fluorine Substitution Effects on Flexibility and Tunneling Pathways: The Rotational Spectrum of 2-Fluorobenzylamine. <i>ChemPhysChem</i> , 2013, 14, 1943-1950.	2.1	9

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91	Rotational Study of cis- and trans-Acrylic Acid-Trifluoroacetic Acid. Journal of Physical Chemistry A, 2013, 117, 13500-13503.	2.5	15
92	Ubbelohde Effect within Weak C-H...H Hydrogen Bonds: The Rotational Spectrum of Benzene-DCF ₃ . Journal of Physical Chemistry A, 2013, 117, 13531-13534.	2.5	23
93	Pairwise Interaction: A Rotational Study of the Chlorotrifluoroethylene-Water Adduct. Angewandte Chemie - International Edition, 2013, 52, 11888-11891.	13.8	49
94	Keto-Enol Tautomerism and Conformational Landscape of 1,3-Cyclohexanedione from Its Free Jet Millimeter-Wave Absorption Spectrum. Journal of Physical Chemistry A, 2013, 117, 13712-13718.	2.5	27
95	Effects of ring fluorination on the transient atropisomerism of benzyl alcohol: the rotational spectrum of 3,4-difluorobenzyl alcohol. Molecular Physics, 2013, 111, 1994-1998.	1.7	7
96	All Five Forms of Cytosine Revealed in the Gas Phase. Angewandte Chemie - International Edition, 2013, 52, 2331-2334.	13.8	69
97	Rotational spectroscopy of antipyretics: Conformation, structure, and internal dynamics of phenazone. Journal of Chemical Physics, 2013, 138, 114304.	3.0	8
98	Conformational analysis of 1,4-butanediol: A microwave spectroscopy study. Chemical Physics Letters, 2013, 556, 55-58.	2.6	8
99	Conformational equilibria in carboxylic acid dimers: a rotational study of acrylic acid-formic acid. Physical Chemistry Chemical Physics, 2013, 15, 2917.	2.8	40
100	Non-bonding interactions and internal dynamics in CH ₂ F ₂ -H ₂ CO: a rotational and model calculations study. Physical Chemistry Chemical Physics, 2013, 15, 6714.	2.8	18
101	Pyridine-CF ₄ : A Molecule with a Rotating Cap. Journal of Physical Chemistry A, 2013, 117, 11289-11292.	2.5	20
102	Conformational Equilibria in Dimers of Carboxylic Acids: A Rotational Study of Fluoroacetic Acid-Acrylic Acid. Journal of Physical Chemistry Letters, 2013, 4, 2838-2842.	4.6	21
103	Rotational Spectrum and Internal Dynamics of Methylpyruvate. Journal of Physical Chemistry A, 2013, 117, 590-593.	2.5	8
104	Detection and characterization of impurities in commercial products with Fourier transform microwave spectroscopy. Analyst, The, 2013, 138, 1959.	3.5	0
105	Soft X-ray photoemission spectroscopy of selected neurotransmitters in the gas phase. Journal of Electron Spectroscopy and Related Phenomena, 2012, 185, 244-251.	1.7	3
106	Orientation of the water moiety in CF ₄ -H ₂ O. Journal of Molecular Spectroscopy, 2012, 282, 39-41.	1.2	11
107	Proton Transfer in Homodimers of Carboxylic Acids: The Rotational Spectrum of the Dimer of Acrylic Acid. Journal of the American Chemical Society, 2012, 134, 19281-19286.	13.7	46
108	Proton Tunneling in Heterodimers of Carboxylic Acids: A Rotational Study of the Benzoic Acid-Formic Acid Dimer. Journal of Physical Chemistry Letters, 2012, 3, 3770-3775.	4.6	52

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109	Rotational spectrum of 2,5-difluorobenzyl alcohol. <i>Journal of Molecular Structure</i> , 2012, 1023, 15-17.	3.6	7
110	Shapes and Internal Dynamics of the 1:1 Adducts of Ammonia with <i>trans</i> and <i>gauche</i> Ethanol: A Rotational Study. <i>Chemistry - A European Journal</i> , 2012, 18, 12759-12763.	3.3	10
111	Broad band free jet absorption mm-wave spectrum of 3-phenyl-1-propanol. <i>Journal of Molecular Spectroscopy</i> , 2012, 280, 145-149.	1.2	0
112	On the Cl...N Halogen Bond: A Rotational Study of CF ₃ Cl...NH ₃ . <i>Chemistry - A European Journal</i> , 2012, 18, 1364-1368.	3.3	45
113	Morphing the Torsional Potential Energy Function from Local to Global Symmetry through a Link: The Rotational Spectrum of Trifluoropropionaldehyde. <i>Chemistry - A European Journal</i> , 2012, 18, 2468-2471.	3.3	5
114	Rotational Spectrum and Internal Dynamics of Tetrahydrofuran-Krypton. <i>ChemPhysChem</i> , 2012, 13, 221-225.	2.1	3
115	Sizing the Ubbelohde effect: the rotational spectrum of a tert-butylalcohol dimer. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 9137.	2.8	29
116	On the weak H...halogen hydrogen bond: a rotational study of CH ₃ CHClF...H ₂ O. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 14092.	2.8	27
117	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
118	Adducts of Alcohols with Ethers: The Rotational Spectrum of Isopropanol-Dimethyl Ether. <i>Journal of Physical Chemistry A</i> , 2011, 115, 9510-9513.	2.5	18
119	Conformational Equilibria in Diols: The Rotational Spectrum of Chiral 1,3-Butandiol. <i>Journal of Physical Chemistry A</i> , 2011, 115, 9585-9589.	2.5	11
120	From Transient to Induced Permanent Chirality in 2-Propanol upon Dimerization: A Rotational Study. <i>Journal of Physical Chemistry A</i> , 2011, 115, 47-51.	2.5	37
121	How Trifluoroacetone Interacts with Water. <i>Journal of Physical Chemistry A</i> , 2011, 115, 9493-9497.	2.5	11
122	The two conformers of acetanilide unraveled using LA-MB-FTMW spectroscopy. <i>Journal of Molecular Spectroscopy</i> , 2011, 268, 42-46.	1.2	22
123	Nuclear quadrupole coupling interactions in the rotational spectrum of tryptamine. <i>Journal of Molecular Spectroscopy</i> , 2011, 269, 41-48.	1.2	14
124	The shape of the molecular adduct tert-butylalcohol-dimethylether: A rotational study. <i>Journal of Molecular Spectroscopy</i> , 2011, 270, 120-122.	1.2	9
125	A rotational study of the molecular complex tert-butanol-1,4-dioxane. <i>Chemical Physics Letters</i> , 2011, 514, 244-246.	2.6	12
126	Conformation and internal motions of dimethyl sulfate: A microwave spectroscopy study. <i>Chemical Physics Letters</i> , 2011, 517, 139-143.	2.6	12

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127	Conformational Equilibria in Adducts of Alcohols with Ethers: The Rotational Spectrum of Ethylalcohol-Dimethylether. <i>ChemPhysChem</i> , 2011, 12, 1916-1920.	2.1	22
128	The Halogen Bond and Internal Dynamics in the Molecular Complex of CF ₃ Cl and H ₂ O. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 7807-7810.	13.8	57
129	Almost free methyl top internal rotation: Rotational spectrum of 2-butyric acid. <i>Journal of Molecular Spectroscopy</i> , 2011, 267, 186-190.	1.2	21
130	Weak hydrogen bonds in <i>trans</i> -1,4-difluorobenzene-ammonia: A rotational study. <i>Chemical Physics Letters</i> , 2010, 485, 36-39.	2.6	8
131	Conformation, structure, quadrupole coupling constants and van der Waals potential energy surface of dichloromethane-Ar. <i>Journal of Molecular Structure</i> , 2010, 976, 136-140.	3.6	8
132	Intertorsional Interactions Revealing Absolute Configurations: The <i>trans</i> -6 Internal Rotation Heavy-Top Case of Benzotrifluoride. <i>ChemPhysChem</i> , 2010, 11, 2589-2593.	2.1	19
133	Features of the C ₁ -H...N Weak Hydrogen Bond and Internal Dynamics in Pyridine-CHF ₃ . <i>Chemistry - A European Journal</i> , 2010, 16, 1761-1764.	3.3	34
134	The Conformational Landscape of Nicotinoids: Solving the Conformational Disparity of Anabasine. <i>Chemistry - A European Journal</i> , 2010, 16, 10214-10219.	3.3	20
135	Rotational spectrum of trifluoroacetone. <i>Journal of Molecular Spectroscopy</i> , 2010, 259, 65-69.	1.2	24
136	The rotational spectrum of tertiary-butyl alcohol. <i>Journal of Molecular Spectroscopy</i> , 2010, 260, 77-83.	1.2	15
137	Free jet rotational spectrum of the most stable conformer of 1-(2-fluorophenyl)-1-ethanol. <i>Journal of Molecular Spectroscopy</i> , 2010, 260, 120-123.	1.2	3
138	Tunneling motions in the Ar-CHF ₃ complex. <i>Journal of Molecular Spectroscopy</i> , 2010, 261, 18-27.	1.2	7
139	Rotational spectrum of 2-fluorobenzyl alcohol. <i>Journal of Molecular Structure</i> , 2010, 978, 279-281.	3.6	11
140	Tunnelling splittings in the rotational spectrum of 3-fluoro-benzylalcohol. <i>Chemical Physics Letters</i> , 2010, 498, 52-55.	2.6	12
141	How water links to cis and trans peptidic groups: the rotational spectrum of N-methylformamide-water. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 10230.	2.8	49
142	Tautomerism in 4-Hydroxypyrimidine, <i>trans</i> -Methyl-2-thiouracil, and 2-Thiouracil. <i>Journal of Physical Chemistry A</i> , 2010, 114, 12725-12730.	2.5	36
143	Rotational Spectrum, Tunneling Motions, and Potential Barriers of Benzyl Alcohol. <i>Journal of Physical Chemistry A</i> , 2010, 114, 6913-6916.	2.5	34
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