Walther Caminati

List of Publications by Year
in descending order

408 papers	9,403 citations	61857 43 h-index	114278 63 g-index
455 all docs	455 docs citations	455 times ranked	3213 citing authors

#	Article	IF	Citations
1	Interaction Types in C₆H₅(CH₂)_nOHâ€“CO₂ (n =) Tj ETQq1 1 0.784314 rgB 149-155.	2.1	10
2	Skeletal Torsion Tunneling and Methyl Internal Rotation: The Coupled Large Amplitude Motions in Phenyl Acetate. Molecules, 2022, 27, 2730.	1.7	5
3	The LAM of the Rings: Large Amplitude Motions in Aromatic Molecules Studied by Microwave Spectroscopy. Molecules, 2022, 27, 3948.	1.7	10
4	Rotational spectrum and internal dynamics of the hydrogen-bonded pyrrole-pyridine aromatic pair. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 249, 119320.	2.0	1
5	Hydrogen versus tetrel bonds in complexes of 3-oxetanone with water and formaldehyde. Physical Chemistry Chemical Physics, 2021, 23, 7295-7301.	1.3	8
6	Chlorine â€œEquatorial Beltâ€•Activation of CF₃Cl by CO₂: The CÂ·Â·Â·Cl Tetrel Bond Dominance in CF₃Clâ€“CO₂. Journal of Physical Chemistry Letters, 2021, 12, 3907-3913.	2.1	17
7	Switching Aromatic Character by Complexation: Ï€ to Ï€* Change Seen in Molecular Rotation Spectra. Journal of Physical Chemistry Letters, 2021, 12, 5150-5155.	2.1	9
8	Rotational studies of adducts between carboxylic acids and tertiary alcohols: Formic acid â€“ tert-butyl alcohol. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 254, 119621.	2.0	3
9	A rotational study of the 1:1 adduct of ethanol and 1,4-dioxane. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 261, 120086.	2.0	2
10	Switching Hydrogen Bonding to Ï€-Stacking: The Thiophenol Dimer and Trimer. Journal of Physical Chemistry Letters, 2021, 12, 1367-1373.	2.1	29
11	Halogen bond and internal dynamics in the Ïƒâ€“complex of pyridine-chlorotrifluoromethane: A rotational study. Journal of Molecular Spectroscopy, 2020, 371, 111323.	0.4	8
12	Conformational impact of aliphatic side chains in local anaesthetics: benzocaine, butamben and isobutamben. Chemical Communications, 2020, 56, 6094-6097.	2.2	3
13	The rotational spectrum of cyclohexyl formate, chemically prepared within a supersonic expansion. Journal of Molecular Structure, 2020, 1209, 127952.	1.8	3
14	Interactions between azines and alcohols: a rotational study of pyridineâ€“tert-butyl alcohol. Physical Chemistry Chemical Physics, 2019, 21, 3545-3549.	1.3	3
15	Frontispiece: The Hydrogen Bond and Beyond: Perspectives for Rotational Investigations of Nonâ€Covalent Interactions. Chemistry - A European Journal, 2019, 25, .	1.7	1
16	Rotational Spectrum, Tunneling Motions, and Intramolecular Potential Barriers in Benzyl Mercaptan. Journal of Physical Chemistry A, 2019, 123, 8435-8440.	1.1	6
17	Internal dynamics of cyclohexanol and the cyclohexanolâ€“water adduct. Physical Chemistry Chemical Physics, 2019, 21, 3676-3682.	1.3	25
18	Non covalent interactions stabilizing the chiral dimer of CH₂ClF: a rotational study. Physical Chemistry Chemical Physics, 2019, 21, 3695-3700.	1.3	5

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19	Chalcogen bond and internal dynamics of the 2,2,4,4-tetrafluoro-1,3-dithietaneâ‹¯water complex. Physical Chemistry Chemical Physics, 2019, 21, 15656-15661.	1.3	12
20	The Hydrogen Bond and Beyond: Perspectives for Rotational Investigations of Nonâ€€Covalent Interactions. Chemistry - A European Journal, 2019, 25, 11402-11411.	1.7	82
21	Carboxylic Acids, Reactivity with Alcohols and Clustering with Esters: A Rotational Study of Formic Acidâ€“Isopropylformate. Journal of Physical Chemistry A, 2019, 123, 1785-1789.	1.1	6
22	Modeling the internal rotation tunnelling in benzyl alcohol by ring fluorination: The rotational spectrum of 3,5-difluorobenzyl alcohol. Chemical Physics Letters: X, 2019, 1, 100004.	2.1	7
23	The Barrier to Proton Transfer in the Dimer of Formic Acid: A Pure Rotational Study. Angewandte Chemie - International Edition, 2019, 58, 859-865.	7.2	48
24	The rotational spectrum of methyl trifluoroacetate. Molecular Physics, 2018, 116, 3503-3506.	0.8	5
25	Quantum Effects for a Proton in a Low-Barrier, Double-Well Potential: Core Level Photoemission Spectroscopy of Acetylacetone. Journal of Physical Chemistry Letters, 2018, 9, 521-526.	2.1	13
26	Barrier to Proton Transfer in the Dimer of Formic Acid: A Pure Rotational Study. Angewandte Chemie, 2018, 131, 869.	1.6	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. Journal of Molecular Spectroscopy, 2018, 351, 55-61.	0.4	13
29	Advancements in Microwave Spectroscopy. , 2018, , 569-598.		31
30	Rotational study of the bimolecule acetic acid-fluoroacetic acid. Chemical Physics Letters, 2017, 667, 154-157.	1.2	2
31	The Borderline between Reactivity and Preâ€reactivity of Binary Mixtures of Gaseous Carboxylic Acids and Alcohols. Angewandte Chemie - International Edition, 2017, 56, 3872-3875.	7.2	14
32	Noncovalent Interactions and Internal Dynamics in Pyridineâ€“Ammonia: A Combined Quantumâ€Chemical and Microwave Spectroscopy Study. Chemistry - A European Journal, 2017, 23, 4876-4883.	1.7	39
33	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.	1.3	16
34	Effects of deuteration of the methyl and phenyl hydrogens on the rotational spectrum of anisole-water. Journal of Molecular Spectroscopy, 2017, 337, 86-89.	0.4	4
35	Interactions between Ketones and Alcohols: Rotational Spectrum and Internal Dynamics of the Acetoneâ€“Ethanol Complex. Chemistry - A European Journal, 2017, 23, 11119-11125.	1.7	8
36	The Borderline between Reactivity and Preâ€reactivity of Binary Mixtures of Gaseous Carboxylic Acids and Alcohols. Angewandte Chemie, 2017, 129, 3930-3933.	1.6	6

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37	Pulsed jet Fourier transform microwave spectroscopy of the BF 3 -CO complex. Journal of Molecular Spectroscopy, 2017, 335, 80-83.	0.4	5
38	Rotational spectrum of the tetrafluoromethane-ethylene oxide. Journal of Molecular Spectroscopy, 2017, 335, 84-87.	0.4	6
39	Conformational equilibrium and internal dynamics in the iso-propanolâ€“water dimer. Physical Chemistry Chemical Physics, 2017, 19, 568-573.	1.3	19
40	Rotational Spectroscopy Probes Water Flipping by Full Fluorination of Benzene. Angewandte Chemie, 2017, 129, 13887-13891.	1.6	13
41	Rotational Spectroscopy Probes Water Flipping by Full Fluorination of Benzene. Angewandte Chemie - International Edition, 2017, 56, 13699-13703.	7.2	27
42	Furanosic forms of sugars: conformational equilibrium of methyl Î²-<scp>d</scp>-ribofuranoside. Chemical Communications, 2016, 52, 6241-6244.	2.2	19
43	Probing the Lone PairÂ·Â·Â·Ï€-Hole Interaction in Perfluorinated Heteroaromatic Rings: The Rotational Spectrum of PentafluoropyridineÂ·Water. Journal of Physical Chemistry Letters, 2016, 7, 1513-1517.	2.1	36
44	Shape of the Adduct Formic Acidâ€“Dimethyl Ether: A Rotational Study. Journal of Physical Chemistry A, 2016, 120, 2863-2867.	1.1	12
45	Hydrated forms of fluoroacetic acid: a rotational study. Physical Chemistry Chemical Physics, 2016, 18, 23651-23656.	1.3	13
46	Intermolecular Hydrogen Bonding in 2-Fluoropyridine-Water. ChemistrySelect, 2016, 1, 1273-1277.	0.7	10
47	Conformational Equilibrium and Internal Dynamics of E-Anethole: A Rotational Study. Journal of Physical Chemistry B, 2016, 120, 6587-6591.	1.2	10
48	The rotational spectrum of CF 3 Cl Ar. Chemical Physics Letters, 2016, 653, 1-4.	1.2	7
49	Conformational Equilibrium and Potential Energy Functions of the Oâ€“H Internal Rotation in the Axial and Equatorial Species of 1-Methylcyclohexanol. Journal of Physical Chemistry A, 2016, 120, 4338-4342.	1.1	10
50	On the Clâ‹¯C halogen bond: a rotational study of CF₃Clâ€“CO. Physical Chemistry Chemical Physics, 2016, 18, 17851-17855.	1.3	38
51	Effects of Fluorine Substitution on the Microsolvation of Aromatic Azines: The Microwave Spectrum of 3-Fluoropyridine-Water. Journal of Physical Chemistry A, 2016, 120, 5163-5168.	1.1	12
52	Potential energy surface of fluoroxene: experiment and theory. Physical Chemistry Chemical Physics, 2016, 18, 3966-3974.	1.3	8
53	Rotational Study of Dimethyl Etherâ€“Chlorotrifluoroethylene: Lone PairÂ·Â·Â·Ï€ Interaction Links the Two Subunits. Journal of Physical Chemistry A, 2016, 120, 4939-4943.	1.1	22
54	Solving the Tautomeric Equilibrium of Purine through Analysis of the Complex Hyperfine Structure of the Four ¹⁴N Nuclei. Journal of Physical Chemistry Letters, 2016, 7, 1187-1191.	2.1	5

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55	Interactions between Carboxylic Acids and Heteroaromatics: A Rotational Study of Formic Acidâ€“Pyridine. Journal of Physical Chemistry A, 2016, 120, 5094-5098.	1.1	16
56	The Cage Structure of Indanï£¿CHF₃ is Based on the Cooperative Effects of Cï£¿Hâ‹…â‹…â‹…Ïâ€ and Cï£¿Hâ‹…â‹…â‹…F Weak Hydrogen Bonds. Chemistry - A European Journal, 2015, 21, 15970-15973.	1.7	7
57	Chloromethaneâ€“Water Adduct: Rotational Spectrum, Weak Hydrogen Bonds, and Internal Dynamics. Chemistry - an Asian Journal, 2015, 10, 1198-1203.	1.7	4
58	Internal Dynamics in Halogenâ€Bonded Adducts: A Rotational Study of Chlorotrifluoromethaneâ€“Formaldehyde. Chemistry - A European Journal, 2015, 21, 4148-4152.	1.7	14
59	How CO₂ Interacts with Carboxylic Acids: A Rotational Study of Formic Acidâ€“CO₂. ChemPhysChem, 2015, 16, 2961-2967.	1.0	26
60	Rotational Spectrum of Dichloromethaneâ€“Ne: Internal Dynamics and Cl Quadrupolar Hyperfine Effects. Journal of Physical Chemistry A, 2015, 119, 11813-11819.	1.1	5
61	N lone-pairâ‹¯Ïâ€ interaction: a rotational study of chlorotrifluoroethyleneâ‹¯ammonia. Physical Chemistry Chemical Physics, 2015, 17, 7694-7698.	1.3	24
62	Weak hydrogen bonds in adducts between freons: the rotational study of CH2F2â€“CH2ClF. New Journal of Chemistry, 2015, 39, 2296-2299.	1.4	8
63	Ring puckering splitting and structure of indan. Journal of Molecular Spectroscopy, 2015, 316, 45-48.	0.4	6
64	Conformational landscape of indan-5-ol: A free-jet millimetre wave study. Journal of Molecular Spectroscopy, 2015, 307, 6-9.	0.4	1
65	Average orientation of water in CH2F2â‹¯H2O from the 17O quadrupole effects in the rotational spectrum of CH2F2â‹¯H217O. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 136, 64-67.	2.0	3
66	Conformational Equilibria and Largeâ€Amplitude Motions in Dimers of Carboxylic Acids: Rotational Spectrum of Acetic Acidâ€“Difluoroacetic Acid. ChemPhysChem, 2014, 15, 2977-2984.	1.0	12
67	Oï£¿Hâ‹…â‹…â‹…N and Cï£¿Hâ‹…â‹…â‹…O Hydrogen Bonds Control Hydration of Pivotal Tropane Alkaloids: Tropinoneâ‹…â‹…â‹…H₂O Complex. ChemPhysChem, 2014, 15, 918-923.	1.0	8
68	Interactions between Freons: A Rotational Study of CH₂F₂â€“CH₂Cl₂. Chemistry - an Asian Journal, 2014, 9, 1032-1038.	1.7	16
69	Adducts of alcohols with ketones: A rotational study of the molecular complex Ethylalcoholâ€“Cyclobutanone. Journal of Molecular Spectroscopy, 2014, 299, 38-42.	0.4	3
70	The rotational spectrum of formic acidâ‹¯fluoroacetic acid. Journal of Molecular Spectroscopy, 2014, 299, 1-5.	0.4	16
71	Conformers of dimers of carboxylic acids in the gas phase: A rotational study of difluoroacetic acidâ€“formic acid. Chemical Physics Letters, 2014, 591, 301-305.	1.2	24
72	Interactions between freons and aromatic molecules: The rotational spectrum of pyridineâ€“difluoromethane. Chemical Physics Letters, 2014, 591, 216-219.	1.2	16

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73	Halogen Bond and Free Internal Rotation: The Microwave Spectrum of CF₃Clâ€“Dimethyl Ether. Journal of Physical Chemistry A, 2014, 118, 579-582.	1.1	34
74	The shape of trifluoromethoxybenzene. Journal of Molecular Spectroscopy, 2014, 297, 32-34.	0.4	11
75	Interactions between Carboxylic Acids and Aldehydes: A Rotational Study of HCOOHâ€“CH₂O. Journal of Physical Chemistry A, 2014, 118, 10738-10741.	1.1	22
76	Competition between weak hydrogen bonds: Câ€“Hâ‹¯Cl is preferred to Câ€“Hâ‹¯F in CH₂ClFâ€“H₂CO, as revealed by rotational spectroscopy. Physical Chemistry Chemical Physics, 2014, 16, 12261-12265.	1.3	21
77	Interactions between alkanes and aromatic molecules: a rotational study of pyridineâ€“methane. Physical Chemistry Chemical Physics, 2014, 16, 13041-13046.	1.3	16
78	Oligomers based on weak hydrogen bond networks: a rotational study of the tetramer of difluoromethane. Chemical Communications, 2014, 50, 171-173.	2.2	43
79	Weak Câ€“Hâ‹¯N and Câ€“Hâ‹¯F hydrogen bonds and internal rotation in pyridineâ€“CH₃F. Physical Chemistry Chemical Physics, 2014, 16, 2149-2153.	1.3	25
80	Conformational Flexibility of Mephenesin. Journal of Physical Chemistry B, 2014, 118, 5357-5364.	1.2	3
81	Fluorination Effects on the Shapes of Complexes of Water with Ethers: A Rotational Study of Trifluoroanisoleâ€“Water. Journal of Physical Chemistry A, 2014, 118, 1047-1051.	1.1	7
82	Halogenâ€“Halogen Links and Internal Dynamics in Adducts of Freons. Journal of Physical Chemistry Letters, 2014, 5, 1591-1595.	2.1	25
83	Morphing the Internal Dynamics of Acetylacetone by CH₃ â†' CF₃ Substitutions. The Rotational Spectrum of Trifluoroacetylacetone. Journal of Physical Chemistry A, 2014, 118, 4243-4248.	1.1	11
84	Interaction between Freons and Amines: The Câ€“HÂ·Â·Â·N Weak Hydrogen Bond in Quinuclidineâ€“Trifluoromethane. Journal of Physical Chemistry A, 2014, 118, 737-740.	1.1	11
85	Effective orientation of water in 1,4-dioxaneÂ·Â·Â·water: the rotational spectrum of the H₂¹⁷O isotopologue. Molecular Physics, 2014, 112, 2419-2423.	0.8	3
86	Computational Screening of Weak Hydrogen Bond Networks: Predicting Stable Structures for Difluoromethane Oligomers. Journal of Chemical Theory and Computation, 2014, 10, 2204-2211.	2.3	8
87	Laboratory rotational spectrum of acrylic acid and its isotopologues in the 6â€“18.5GHz and 52â€“74.4GHz frequency ranges. Journal of Molecular Spectroscopy, 2014, 295, 37-43.	0.4	10
88	Frontiers in Rotational Spectroscopy: Shapes and Tunneling Dynamics of the Four Conformers of the Acrylic Acidâ€”Difluoroacetic Acid Adduct. Angewandte Chemie - International Edition, 2014, 53, 530-534.	7.2	31
89	How Water Interacts with Halogenated Anesthetics: The Rotational Spectrum of Isofluraneâ€“Water. Chemistry - A European Journal, 2014, 20, 1980-1984.	1.7	7
90	Fluorine Substitution Effects on Flexibility and Tunneling Pathways: The Rotational Spectrum of 2â€Fluorobenzylamine. ChemPhysChem, 2013, 14, 1943-1950.	1.0	9

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91	Rotational Study of cis- and trans-Acrylic Acidâ€“Trifluoroacetic Acid. Journal of Physical Chemistry A, 2013, 117, 13500-13503.	1.1	15
92	Ubbelohde Effect within Weak Câ€“HÂ·Â·Â·Ï€ Hydrogen Bonds: The Rotational Spectrum of Benzeneâ€“DCF3. Journal of Physical Chemistry A, 2013, 117, 13531-13534.	1.1	23
93	Loneâ€Pairâ‹…â‹…â‹…Ï€ Interaction: A Rotational Study of the Chlorotrifluoroethyleneâ€“Water Adduct. Angewandte Chemie - International Edition, 2013, 52, 11888-11891.	7.2	49
94	Ketoâ€“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.	1.1	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.	0.8	7
96	All Five Forms of Cytosine Revealed in the Gas Phase. Angewandte Chemie - International Edition, 2013, 52, 2331-2334.	7.2	69
97	Rotational spectroscopy of antipyretics: Conformation, structure, and internal dynamics of phenazone. Journal of Chemical Physics, 2013, 138, 114304.	1.2	8
98	Conformational analysis of 1,4-butanediol: A microwave spectroscopy study. Chemical Physics Letters, 2013, 556, 55-58.	1.2	8
99	Conformational equilibria in carboxylic acid bimolecules: a rotational study of acrylic acidâ€“formic acid. Physical Chemistry Chemical Physics, 2013, 15, 2917.	1.3	40
100	Non-bonding interactions and internal dynamics in CH2F2â‹¯H2CO: a rotational and model calculations study. Physical Chemistry Chemical Physics, 2013, 15, 6714.	1.3	18
101	Pyridine-CF₄: A Molecule with a Rotating Cap. Journal of Physical Chemistry A, 2013, 117, 11289-11292.	1.1	20
102	Conformational Equilibria in Bimolecules of Carboxylic Acids: A Rotational Study of Fluoroacetic Acidâ€“Acrylic Acid. Journal of Physical Chemistry Letters, 2013, 4, 2838-2842.	2.1	21
103	Rotational Spectrum and Internal Dynamics of Methylpyruvate. Journal of Physical Chemistry A, 2013, 117, 590-593.	1.1	8
104	Detection and characterization of impurities in commercial products with Fourier transform microwave spectroscopy. Analyst, The, 2013, 138, 1959.	1.7	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.	0.8	3
106	Orientation of the water moiety in CF4â€“H2O. Journal of Molecular Spectroscopy, 2012, 282, 39-41.	0.4	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.	6.6	46
108	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.	2.1	52

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109	Rotational spectrum of 2,5-difluorobenzyl alcohol. Journal of Molecular Structure, 2012, 1023, 15-17.	1.8	7
110	Shapes and Internal Dynamics of the 1:1 Adducts of Ammonia with trans and gaucheâ€...Ethanol: A Rotational Study. Chemistry - A European Journal, 2012, 18, 12759-12763.	1.7	10
111	Broad band free jet absorption mm-wave spectrum of 3-phenyl-1-propanol. Journal of Molecular Spectroscopy, 2012, 280, 145-149.	0.4	0
112	On the Clâ‹...â‹...â‹...N Halogen Bond: A Rotational Study of CF₃Clâ‹...â‹...â‹...NH₃. Chemistry - A European Journal, 2012, 18, 1364-1368.	1.7	45
113	Morphing the Torsional Potential Energy Function from Local to Global Symmetry through a Ï€â€...Link: The Rotational Spectrum of Î±,Î±,Î±â€²-trifluoroâ€pâ€²-tolualdehyde. Chemistry - A European Journal, 2012, 18, 2468-2471.	1.7	5
114	Rotational Spectrum and Internal Dynamics of Tetrahydrofuranâ€“Krypton. ChemPhysChem, 2012, 13, 221-225.	1.0	3
115	Sizing the Ubbelohde effect: the rotational spectrum of a tert-butylalcohol dimer. Physical Chemistry Chemical Physics, 2011, 13, 9137.	1.3	29
116	On the weak Oâ€“Hâ‹¯halogen hydrogen bond: a rotational study of CH3CHClFâ‹¯H2O. Physical Chemistry Chemical Physics, 2011, 13, 14092.	1.3	27
117	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.	1.1	4
118	Adducts of Alcohols with Ethers: The Rotational Spectrum of Isopropanolâ‹¯Dimethyl Ether. Journal of Physical Chemistry A, 2011, 115, 9510-9513.	1.1	18
119	Conformational Equilibria in Diols: The Rotational Spectrum of Chiral 1,3-Butandiol. Journal of Physical Chemistry A, 2011, 115, 9585-9589.	1.1	11
120	From Transient to Induced Permanent Chirality in 2-Propanol upon Dimerization: A Rotational Study. Journal of Physical Chemistry A, 2011, 115, 47-51.	1.1	37
121	How Trifluoroacetone Interacts with Water. Journal of Physical Chemistry A, 2011, 115, 9493-9497.	1.1	11
122	The two conformers of acetanilide unraveled using LA-MB-FTMW spectroscopy. Journal of Molecular Spectroscopy, 2011, 268, 42-46.	0.4	22
123	Nuclear quadrupole coupling interactions in the rotational spectrum of tryptamine. Journal of Molecular Spectroscopy, 2011, 269, 41-48.	0.4	14
124	The shape of the molecular adduct tert-butylalcoholâ€“dimethylether: A rotational study. Journal of Molecular Spectroscopy, 2011, 270, 120-122.	0.4	9
125	A rotational study of the molecular complex tert-butanolâ‹¯1,4-dioxane. Chemical Physics Letters, 2011, 514, 244-246.	1.2	12
126	Conformation and internal motions of dimethyl sulfate: A microwave spectroscopy study. Chemical Physics Letters, 2011, 517, 139-143.	1.2	12

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127	Conformational Equilibria in Adducts of Alcohols with Ethers: The Rotational Spectrum of Ethylalcohol-Dimethylether. ChemPhysChem, 2011, 12, 1916-1920.	1.0	22
128	The Halogen Bond and Internal Dynamics in the Molecular Complex of CF₃Cl and H₂O. Angewandte Chemie - International Edition, 2011, 50, 7807-7810.	7.2	57
129	Almost free methyl top internal rotation: Rotational spectrum of 2-butynoic acid. Journal of Molecular Spectroscopy, 2011, 267, 186-190.	0.4	21
130	Weak hydrogen bonds in Ïƒ-1,4-difluorobenzene-ammonia: A rotational study. Chemical Physics Letters, 2010, 485, 36-39.	1.2	8
131	Conformation, structure, quadrupole coupling constants and van der Waals potential energy surface of dichloromethaneâ€“Ar. Journal of Molecular Structure, 2010, 976, 136-140.	1.8	8
132	Intertorsional Interactions Revealing Absolute Configurations: The V₆ Internal Rotation Heavyâ€Top Case of Benzotrifluoride. ChemPhysChem, 2010, 11, 2589-2593.	1.0	19
133	Features of the Cï£¿Hâ‹…â‹…â‹…N Weak Hydrogen Bond and Internal Dynamics in Pyridineâ€“CHF₃. Chemistry - A European Journal, 2010, 16, 1761-1764.	1.7	34
134	The Conformational Landscape of Nicotinoids: Solving the Conformational Disparity of Anabasine. Chemistry - A European Journal, 2010, 16, 10214-10219.	1.7	20
135	Rotational spectrum of trifluoroacetone. Journal of Molecular Spectroscopy, 2010, 259, 65-69.	0.4	24
136	The rotational spectrum of tertiary-butyl alcohol. Journal of Molecular Spectroscopy, 2010, 260, 77-83.	0.4	15
137	Free jet rotational spectrum of the most stable conformer of 1-(2-fluorophenyl)-1-ethanol. Journal of Molecular Spectroscopy, 2010, 260, 120-123.	0.4	3
138	Tunneling motions in the Arâ€“CHF3 complex. Journal of Molecular Spectroscopy, 2010, 261, 18-27.	0.4	7
139	Rotational spectrum of 2-fluorobenzyl alcohol. Journal of Molecular Structure, 2010, 978, 279-281.	1.8	11
140	Tunnelling splittings in the rotational spectrum of 3-fluoro-benzylalcohol. Chemical Physics Letters, 2010, 498, 52-55.	1.2	12
141	How water links to cis and trans peptidic groups: the rotational spectrum of N-methylformamideâ€“water. Physical Chemistry Chemical Physics, 2010, 12, 10230.	1.3	49
142	Tautomerism in 4-Hydroxypyrimidine, S-Methyl-2-thiouracil, and 2-Thiouracil. Journal of Physical Chemistry A, 2010, 114, 12725-12730.	1.1	36
143	Rotational Spectrum, Tunneling Motions, and Potential Barriers of Benzyl Alcohol. Journal of Physical Chemistry A, 2010, 114, 6913-6916.	1.1	34
144	Rotational and Core Level Spectroscopies As Complementary Techniques in Tautomeric/Conformational Studies: The Case of 2-Mercaptopyridine. Journal of the American Chemical Society, 2010, 132, 10269-10271.	6.6	27

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145	Tautomerism and Microsolvation in 2-Hydroxypyridine/2-Pyridone. Journal of Physical Chemistry A, 2010, 114, 11393-11398.	1.1	43
146	Interplay of Phenol and Isopropyl Isomerism in Propofol from Broadband Chirped-Pulse Microwave Spectroscopy. Journal of the American Chemical Society, 2010, 132, 13417-13424.	6.6	30
147	The free jet microwave spectrum of 2-phenylethylamineâ€“water. Physical Chemistry Chemical Physics, 2010, 12, 10210.	1.3	25
148	Internal dynamics in complexes of water with organic molecules. Details of the internal motions in tert-butylalcoholâ€“water. Physical Chemistry Chemical Physics, 2010, 12, 14433.	1.3	62
149	Rotational Spectrum of the Mixed van der Waals Triad Pyridineâ€“Arâ€“Ne. ChemPhysChem, 2009, 10, 2503-2507.	1.0	11
150	Adducts of NH₃ with the Conformers of Glycidol: A Rotational Spectroscopy Study. Angewandte Chemie - International Edition, 2009, 48, 1102-1105.	7.2	22
151	Nucleic Acid Bases in the Gas Phase. Angewandte Chemie - International Edition, 2009, 48, 9030-9033.	7.2	35
152	Apparent conflicting indications on the conformation of dimethyletherâ€“argon from the rotational spectra of the d6 and 13C species. Journal of Molecular Spectroscopy, 2009, 257, 29-33.	0.4	3
153	Microwave spectrum of salicylic acid. Journal of Molecular Structure, 2009, 921, 285-288.	1.8	11
154	The m=0 state of the low-barrier torsion in Î±,Î±,Î±-trifluorobenzene (benzotrifluoride). Journal of Molecular Spectroscopy, 2009, 255, 199-201.	0.4	5
155	Millimeter wave free-jet spectrum of vinyl acetate. Journal of Molecular Spectroscopy, 2009, 256, 228-231.	0.4	15
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