Jens-Uwe Grabow

List of Publications by Year
in descending order

188	4,681	136740	138251
papers	citations	32 h-index	58 g-index

199	199	199	2047
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Stacked but not Stuck: Unveiling the Role of Ï€â†'Ï€* Interactions with the Help of the Benzofuranâ€"Formaldehyde Complex. Angewandte Chemie - International Edition, 2022, 61, .	7.2	15
2	Stacked but not Stuck: Unveiling the Role of Ï€ â†' Ï€* Interactions with the Help of the Benzofuranâ€Formaldehyde Complex. Angewandte Chemie, 2022, 134, e202113737.	1.6	2
3	From rotational resolved spectra to an extended increment system of planar moments allowing ad-hoc conformational identification â€" Exemplification by the broadband microwave spectrum of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.svg"><mml:mi>Î±</mml:mi></mml:math>-hydroxyisobutyric acid. Journal of Molecular	1.8	3
4	Interaction Types in C₆H₅(CH₂)_nOHâ€"CO₂ (n =) Tj ETQq0 0 0 rgBT /Overlo 149-155.	2.1	10
5	Methyl Internal Rotation in Fruit Esters: Chain-Length Effect Observed in the Microwave Spectrum of Methyl Hexanoate. Molecules, 2022, 27, 2639.	1.7	3
6	Spectroscopic Characterization of 3-Aminoisoxazole, a Prebiotic Precursor of Ribonucleotides. Molecules, 2022, 27, 3278.	1.7	2
7	The LAM of the Rings: Large Amplitude Motions in Aromatic Molecules Studied by Microwave Spectroscopy. Molecules, 2022, 27, 3948.	1.7	10
8	The Characteristics of Disulfideâ€Centered Hydrogen Bonds. Angewandte Chemie - International Edition, 2021, 60, 5838-5842.	7.2	14
9	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.	2.0	9
10	The Characteristics of Disulfideâ€Centered Hydrogen Bonds. Angewandte Chemie, 2021, 133, 5902-5906.	1.6	7
11	The 2,2,4,4-tetrafluoro-1,3-dithietaneâ‹¯NH3 complex: A rotational study reveals a Nâ‹¯Ïƒ-hole interaction. Journal of Molecular Spectroscopy, 2021, 376, 111409.	0.4	2
12	Van der Waals interactions of the disulfide bond revealed: A microwave spectroscopic study of the diethyl disulfideâ€"argon complex. Journal of Chemical Physics, 2021, 154, 124306.	1.2	0
13	A prochiral precursor in space? Accurate laboratory characterization of acetylacetylene in the cm-wave region. Journal of Molecular Spectroscopy, 2021, 377, 111441.	0.4	4
14	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
15	Thermal fault detection by changes in electrical behaviour in lithium-ion cells. Journal of Power Sources, 2021, 490, 229572.	4.0	15
16	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
17	Determination of the â€œPrivileged Structureâ€•of 8â€Hydroxyquinoline. ChemPhysChem, 2021, 22, 1692-1697.	1.0	1
18	Electric-field-dependent g factor for the ground state of lead monofluoride, PbF. Physical Review A, 2021, 104, .	1.0	1

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19	Neighborhood matters: Steric effects on methyl internal rotation and chlorine nuclear quadrupole coupling in 2-fluoro-4-chlorotoluene. Journal of Molecular Structure, 2021, 1246, 131096.	1.8	6
20	Internal methyl rotation and molecular structure of trifluorotoluenes: microwave rotational spectra of 2,3,4- and 2,4,5-trifluorotoluene. Canadian Journal of Physics, 2020, 98, 543-550.	0.4	9
21	Proton inversion tunneling in the rotational spectrum of acetone cyanohydrin. Journal of Molecular Spectroscopy, 2020, 373, 111372.	0.4	7
22	The structure and low-barrier methyl torsion of 3-fluorotoluene. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 242, 118709.	2.0	14
23	A Journey from Thermally Tunable Synthesis to Spectroscopy of Phenylmethanimine in Gas Phase and Solution. Chemistry - A European Journal, 2020, 26, 15016-15022.	1.7	7
24	Probing resonance effects in aromatic systems by nuclear quadrupole Coupling: Investigations of 3- and 4-chlorophenol by rotational spectroscopy. Journal of Molecular Structure, 2020, 1217, 128224.	1.8	2
25	Rotational spectra and molecular structures of ethylanilines. Chinese Journal of Chemical Physics, 2020, 33, 119-124.	0.6	2
26	Conformation and bonding of 2-methoxypyridine and its monohydrate from rotational spectra. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 239, 118434.	2.0	5
27	Determination of accurate rest frequencies and hyperfine structure parameters of cyanobutadiyne, HC5N. Journal of Molecular Spectroscopy, 2020, 371, 111303.	0.4	3
28	Conformational impact of aliphatic side chains in local anaesthetics: benzocaine, butamben and isobutamben. Chemical Communications, 2020, 56, 6094-6097.	2.2	3
29	Reactivity and rotational spectra: the old concept of substitution effects. Physical Chemistry Chemical Physics, 2020, 22, 11490-11497.	1.3	9
30	The puzzling hyper-fine structure and an accurate equilibrium geometry of succinic anhydride. Physical Chemistry Chemical Physics, 2020, 22, 5170-5177.	1.3	8
31	Xeâ‹¯OCS: relatively straightforward?. Physical Chemistry Chemical Physics, 2020, 22, 5615-5624.	1.3	4
32	The Scent of Maibowle â€“ Ïϵ Electron Localization in Coumarin from Its Microwaveâ€Ðetermined Structure. ChemPhysChem, 2020, 21, 1243-1248.	1.0	16
33	The rotational spectrum of acetophenone-CO2: Preferred non-covalent interactions. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 238, 118424.	2.0	15
34	Barrier to internal rotation, symmetry and carbonyl reactivity in methyl 3,3,3-trifluoropyruvate. Zeitschrift Fur Physikalische Chemie, 2020, 234, 1383-1393.	1.4	3
35	The Unexplored World of Cycloalkeneâ€“Water Complexes: Primary and Assisting Interactions Unraveled by Experimental and Computational Spectroscopy. Angewandte Chemie - International Edition, 2019, 58, 13935-13941.	7.2	22
36	Molecular structure and non-covalent interaction of 2-thiophenecarboxaldehyde and its monohydrated complex. Journal of Chemical Physics, 2019, 151, 164307.	1.2	10

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37	Fine and hyperfine interaction in YbF173. Physical Review A, 2019, 100, .	1.0	10
38	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
39	Supersonic jet microwave rotational spectrum of 2,3-difluorophenol. Journal of Molecular Structure, 2019, 1195, 479-484.	1.8	2
40	Molecular systems with nearly-free internal rotation and nuclear quadrupole coupling: Meta-chlorotoluene. Journal of Molecular Spectroscopy, 2019, 361, 1-7.	0.4	15
41	Accurate equilibrium structures of methyl methacrylate and methacrylic acid by microwave spectroscopy and dispersion corrected calculations. Journal of Chemical Physics, 2019, 150, 144308.	1.2	13
42	Tetrel bonds and conformational equilibria in the formamideâ€“CO2 complex: a rotational study. Physical Chemistry Chemical Physics, 2019, 21, 7016-7020.	1.3	24
43	Conformational preference determined by inequivalent n-pairs: rotational studies on acetophenone and its monohydrate. Physical Chemistry Chemical Physics, 2019, 21, 22888-22894.	1.3	18
44	Structure and methyl torsion of halogenated toluenes: Rotational spectrum of 3,4-difluorotoluene. Journal of Molecular Spectroscopy, 2019, 355, 19-25.	0.4	10
45	Ab initioconformational analysis of 1,2,3,4-tetrahydroquinoline and the high-resolution rotational spectrum of its lowest energy conformer. Physical Chemistry Chemical Physics, 2018, 20, 14664-14670.	1.3	8
46	Kinetics in the real world: linking molecules, processes, and systems. Physical Chemistry Chemical Physics, 2018, 20, 10561-10568.	1.3	5
47	Rotational characterization of methyl methacrylate: Internal dynamics and structure determination. Journal of Molecular Spectroscopy, 2018, 343, 96-101.	0.4	10
48	The low internal rotation barriers of halogenated toluenes: Rotational spectrum of 2,4-difluorotoluene. Journal of Molecular Spectroscopy, 2018, 344, 21-26.	0.4	16
49	Accurate rest frequencies for propargylamine in the ground and low-lying vibrational states. Astronomy and Astrophysics, 2018, 615, A176.	2.1	10
50	Unveiling the Sulfurâ€“Sulfur Bridge: Accurate Structural and Energetic Characterization of a Homochalcogen Intermolecular Bond. Angewandte Chemie - International Edition, 2018, 57, 15822-15826.	7.2	49
51	Unveiling the Sulfurâ€“Sulfur Bridge: Accurate Structural and Energetic Characterization of a Homochalcogen Intermolecular Bond. Angewandte Chemie, 2018, 130, 16048-16052.	1.6	5
52	Rotational spectroscopy of the two conformers of 3-methylbutyronitrile (C₄H₉CN) between 2 and 400 GHz. Astronomy and Astrophysics, 2018, 615, A140.	2.1	9
53	Microwave rotational spectrum and ab initio computations on 4-cyanopyridine: molecular structure and hyperfine interactions. Molecular Physics, 2018, 116, 3530-3537.	0.8	7
54	Blurring out hydrogen: The dynamical structure of teflic acid. Journal of Chemical Physics, 2018, 148, 194307.	1.2	2

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55	Laboratory rotational spectroscopy of cyano substituted polycyclic aromatic hydrocarbons. Monthly Notices of the Royal Astronomical Society, 2018, 476, 5268-5273.	1.6	19
56	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
57	Thermal self polymerization investigated by microwave molecular spectroscopy â€“ Rotational characterization of the methyl methacrylate dimer. Journal of Molecular Spectroscopy, 2018, 351, 49-54.	0.4	3
58	Transient chirality of anilides - The rotational spectrum of trans-benzanilide. Journal of Molecular Spectroscopy, 2018, 351, 8-13.	0.4	0
59	Internal rotation in halogenated toluenes: Rotational spectrum of 2,3-difluorotoluene. Journal of Molecular Spectroscopy, 2018, 349, 37-42.	0.4	14
60	Advancements in Microwave Spectroscopy. , 2018, , 569-598.		31
61	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
62	Spectroscopy and inter/intramolecular dynamics in honor of Walther Caminati. Journal of Molecular Spectroscopy, 2017, 335, 1-2.	0.4	0
63	Supersonic jet cooled rotational spectrum of 2,4-difluorophenol. Journal of Molecular Spectroscopy, 2017, 335, 23-26.	0.4	4
64	Pulsed jet Fourier transform microwave spectroscopy of the BF 3 -CO complex. Journal of Molecular Spectroscopy, 2017, 335, 80-83.	0.4	5
65	The radio spectra of planar aromatic heterocycles: how to quantify and predict the negative inertial defects. Physical Chemistry Chemical Physics, 2017, 19, 8970-8976.	1.3	9
66	The role of amino acid side chains in stabilizing dipeptides: the laser ablation Fourier transform microwave spectrum of Ac-Val-NH₂. Physical Chemistry Chemical Physics, 2017, 19, 24985-24990.	1.3	28
67	Rotational Spectroscopy of the Lowest Energy Conformer of 2-Cyanobutane. Journal of Physical Chemistry A, 2017, 121, 7121-7129.	1.1	13
68	Weak Hydrogen Bond Network: A Rotational Study of 1,1,1,2-Tetrafluoroethane Dimer. Journal of Physical Chemistry A, 2017, 121, 7876-7881.	1.1	10
69	Microwave spectroscopic detection of flame-sampled combustion intermediates. RSC Advances, 2017, 7, 37867-37872.	1.7	7
70	Internal rotation in halogenated toluenes: Rotational spectrum of 2,5-difluorotoluene. Journal of Molecular Spectroscopy, 2017, 337, 46-50.	0.4	15
71	Spectroscopy and inter/intramolecular dynamics in Honor of Walther Caminati. Journal of Molecular Spectroscopy, 2017, 337, 1-2.	0.4	1
72	Inversion of Bicyclic Decanes: Rotational Spectra of the Trans and Double Cis Conformations of 2â€Decalone. ChemPhysChem, 2017, 18, 3620-3624.	1.0	3

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73	A HIGHLY-INTEGRATED SUPERSONIC-JET FOURIER TRANSFORM MICROWAVE SPECTROMETER. , 2017, , .		8
74	FOURIER TRANSFORM MICROWAVE SPECTROSCOPIC STUDIES OF DIMETHYL ETHER AND ETHYLENE FLAMES. , 2017, , .		0
75	The Conformational Map of Volatile Anesthetics: Enflurane Revisited. Chemistry - A European Journal, 2016, 22, 9804-9811.	1.7	4
76	Shape of the Adduct Formic Acidâ€“Dimethyl Ether: A Rotational Study. Journal of Physical Chemistry A, 2016, 120, 2863-2867.	1.1	12
77	On the Clâ‹¯C halogen bond: a rotational study of CF₃Clâ€“CO. Physical Chemistry Chemical Physics, 2016, 18, 17851-17855.	1.3	38
78	Further investigation of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>g</mml:mi></mml:math>factors for the lead monofluoride ground state. Physical Review A, 2015, 92, .	1.0	11
79	Spin-torsion effects in the hyperfine structure of methanol. Journal of Chemical Physics, 2015, 143, 044304.	1.2	14
80	Chloromethaneâ€“Water Adduct: Rotational Spectrum, Weak Hydrogen Bonds, and Internal Dynamics. Chemistry - an Asian Journal, 2015, 10, 1198-1203.	1.7	4
81	Conformational steering in dicarboxy acids: the native structure of succinic acid. Physical Chemistry Chemical Physics, 2015, 17, 19726-19734.	1.3	9
82	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.	1.3	26
83	MOLECULAR ROTATION SIGNALS: MOLECULE CHEMISTRY AND PARTICLE PHYSICS. , 2015, , .		1
84	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.	1.7	12
85	The hyperfine interaction in the odd isotope of ytterbium fluoride, 171YbF. Journal of Molecular Spectroscopy, 2014, 300, 7-11.	0.4	9
86	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
87	Substituent steering of dihedral angles around single bonds: the case of succinonitrile. Physical Chemistry Chemical Physics, 2014, 16, 2100-2105.	1.3	8
88	Coupled Large Amplitude Motions: A Case Study of the Dimethylbenzaldehyde Isomers. Journal of Physical Chemistry A, 2013, 117, 13636-13647.	1.1	27
89	Accurate Semiexperimental Structure of 1,3,4-Oxadiazole by the Mixed Estimation Method. Journal of Physical Chemistry A, 2013, 117, 2278-2284.	1.1	17
90	Rotational Spectra of Bicyclic Decanes: The Trans Conformation of (âˆ')-Lupinine. Journal of Physical Chemistry A, 2013, 117, 13673-13679.	1.1	7

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91	Disentangling the Puzzle of Hydrogen Bonding in Vitamin C. Journal of Physical Chemistry Letters, 2013, 4, 65-69.	2.1	31
92	Structure of the Benzene Dimerâ€"Governed by Dynamics. Angewandte Chemie - International Edition, 2013, 52, 5180-5183.	7.2	64
93	Unraveling the internal dynamics of the benzene dimer: a combined theoretical and microwave spectroscopy study. Physical Chemistry Chemical Physics, 2013, 15, 10207-10223.	1.3	28
94	Stark Effect in the Benzene Dimer. Journal of Physical Chemistry A, 2013, 117, 13775-13778.	1.1	6
95	Fourier Transform Microwave Spectroscopy: Handedness Caught by Rotational Coherence. Angewandte Chemie - International Edition, 2013, 52, 11698-11700.	7.2	41
96	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.	1.1	26
97	Rapid capture of large amplitude motions in 2,6-difluorophenol: High-resolution fast-passage FT-MW technique. Journal of Molecular Spectroscopy, 2012, 280, 54-60.	0.4	34
98	Ribose Found in the Gas Phase. Angewandte Chemie - International Edition, 2012, 51, 3119-3124.	7.2	97
99	Microwave observation of 41K79Br and 41K81Br from laser-ablated potassium bromide. Journal of Molecular Spectroscopy, 2012, 271, 20-24.	0.4	6
100	FTMW and millimeter wave spectroscopy of benzanthrone. Journal of Molecular Spectroscopy, 2012, 274, 1-4.	0.4	4
101	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
102	Rapid probe of the nicotine spectra by high-resolution rotational spectroscopy. Physical Chemistry Chemical Physics, 2011, 13, 21063.	1.3	37
103	Structural evidence of anomeric effects in the anesthetic isoflurane. Physical Chemistry Chemical Physics, 2011, 13, 6610.	1.3	31
104	On the weak Oâ€"Hâ‹¯halogen hydrogen bond: a rotational study of CH3CHClFâ‹¯H2O. Physical Chemistry Chemical Physics, 2011, 13, 14092.	1.3	27
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.	1.1	4
106	The rotational spectra, potential function, Bornâ€"Oppenheimer breakdown, and hyperfine structure of GeSe and GeTe. Journal of Chemical Physics, 2011, 135, 084303.	1.2	11
107	Microwave rotational spectrum and ab initio equilibrium structure of fumaric acid: Anharmonicity bridging the molecular characterizations. Journal of Molecular Spectroscopy, 2011, 268, 16-22.	0.4	2
108	Characterization of the groundX1state of204Pb19F,206Pb19F,207Pb19F, and208Pb19F. Physical Review A, 2011, 84, .	1.0	23

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109	Rotational spectroscopy, dipole moment and 14N nuclear hyperfine structure of iso-propyl cyanide. Journal of Molecular Spectroscopy, 2011, 267, 100-107.	0.4	34
110	Precision spectroscopy of the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi mathvariant="normal">Pb</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>207</mml:mn></mml:mrow></mml:mmultiscripts></mml:math><mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi mathvariant="normal">F</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>19</mml:mn>	1.0	16
111	Fourier transform microwave and millimeter wave spectroscopy of quinazoline, quinoxaline, and phthalazine. Journal of Chemical Physics, 2011, 134, 154305.	1.2	15
112	Intertorsional Interactions Revealing Absolute Configurations: The V₆ Internal Rotation Heavyâ€Top Case of Benzotrifluoride. ChemPhysChem, 2010, 11, 2589-2593.	1.0	19
113	The Conformational Landscape of Nicotinoids: Solving the Conformational Disparity of Anabasine. Chemistry - A European Journal, 2010, 16, 10214-10219.	1.7	20
114	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.	1.7	7
115	Conformational equilibria in vanillin and ethylvanillin. Physical Chemistry Chemical Physics, 2010, 12, 12486.	1.3	44
116	N-Methyl stereochemistry in tropinone: the conformational flexibility of the tropane motif. Physical Chemistry Chemical Physics, 2010, 12, 6076.	1.3	27
117	The conformational landscape of the volatile anesthetic sevoflurane. Physical Chemistry Chemical Physics, 2010, 12, 9624.	1.3	30
118	Search for corannulene (C₂₀H₁₀) in the Red Rectangle. Monthly Notices of the Royal Astronomical Society, 2009, 397, 1053-1060.	1.6	39
119	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
120	Conformation of chiral molecules: The rotational spectrum of 2-chloropropionic acid. Chemical Physics Letters, 2009, 468, 18-22.	1.2	3
121	Microwave Spectroscopy. , 2009, , 383-454.		22
122	Microwave Spectroscopy. , 2009, , 455-552.		38
123	Rotational spectra and hyperfine structure of isotopic species of deuterated cyanoacetylene, DC3N. Chemical Physics, 2008, 346, 132-138.	0.9	22
124	Precise dipole moment and quadrupole coupling constants of benzonitrile. Journal of Molecular Spectroscopy, 2008, 247, 119-121.	0.4	66
125	Towards the complete analysis of the rotational spectrum of (CH3)3SnCl. Journal of Molecular Spectroscopy, 2008, 251, 38-55.	0.4	17
126	Rotational spectra, potential function, Bornâ€“Oppenheimer breakdown and magnetic shielding of SiSe and SiTe. Journal of Molecular Spectroscopy, 2008, 251, 261-267.	0.4	20

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127	Three-dimensional intramolecular dynamics: Internal rotation of (CH3)3GeBr. Chemical Physics, 2008, 343, 121-128.	0.9	7
128	Precise dipole moments and quadrupole coupling constants of the cis and trans conformers of 3-aminophenol: determination of the absolute conformation. Physical Chemistry Chemical Physics, 2008, 10, 666-673.	1.3	26
129	Pure rotational spectra of PbSe and PbTe: potential function, Bornâ€“Oppenheimer breakdown, field shift effect and magnetic shielding. Physical Chemistry Chemical Physics, 2008, 10, 2078.	1.3	15
130	FTâ€MW and Millimeter Wave Spectroscopy of PANHs: Phenanthridine, Acridine, and 1,10â€Phenanthroline. Astrophysical Journal, 2008, 678, 309-315.	1.6	37
131	The rotational spectra, potential function, Born-Oppenheimer breakdown, and magnetic shielding of SnSe and SnTe. Journal of Chemical Physics, 2007, 126, 114305.	1.2	16
132	Conformational preferences of chiral molecules: free jet rotational spectrum of 1-phenyl-1-propanol. Physical Chemistry Chemical Physics, 2007, 9, 4460.	1.3	9
133	The Shape of Leucine in the Gas Phase. ChemPhysChem, 2007, 8, 599-604.	1.0	76
134	The mm-wave rotational spectrum of dichlorodimethylgermane. Inorganica Chimica Acta, 2007, 360, 1240-1243.	1.2	3
135	Hyperfine constants, nuclear magnetic shielding and spinâ€“spin coupling parameters for AgI and CuI. Journal of Molecular Structure, 2007, 833, 175-183.	1.8	6
136	Hyperfine coupling and large amplitude motions interaction in the water dimer. Journal of Molecular Spectroscopy, 2007, 242, 118-128.	0.4	10
137	TheC2vStructure of Enolic Acetylacetone. Journal of the American Chemical Society, 2006, 128, 854-857.	6.6	83
138	Internal dynamics in organometallic molecules: Rotational spectrum of (CH3)3GeCl. Physical Chemistry Chemical Physics, 2006, 8, 2225.	1.3	14
139	The pure rotational spectrum of TeSe: Rotational parameters, Bornâ€“Oppenheimer breakdown corrections, and hyperfine constants. Journal of Molecular Structure, 2006, 795, 163-172.	1.8	9
140	Multidimensional Large-Amplitude Motion: Revealing Concurrent Tunneling Pathways in Molecules with Several Internal Rotors. Angewandte Chemie - International Edition, 2006, 45, 3465-3470.	7.2	18
141	Tunneling motions of argon on chlorofluoromethane. Journal of Chemical Physics, 2006, 125, 194302.	1.2	11
142	The Fourier transform rotational spectrum of difluoromethaneâ€“water: internal motion of water. Journal of Molecular Structure, 2005, 742, 87-90.	1.8	25
143	Molecular complexes of organo-metallic molecules with rare gases: the rotational spectrum of difluorodimethylsilaneâ€“argon. Chemical Physics, 2005, 312, 111-117.	0.9	4
144	Weak CHâ‹…â‹…â‹…F Bridges and Internal Dynamics in the CH3Fâ‹…CHF3 Molecular Complex. Angewandte Chemie - International Edition, 2005, 44, 3840-3844.	7.2	64

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145	The Internuclear Potential, Electronic Structure, and Chemical Bond of Tellurium Selenide. Angewandte Chemie - International Edition, 2005, 44, 6311-6315.	7.2	27
146	Structure and methyl groups internal rotation of difluorodimethylsilane. Journal of Molecular Spectroscopy, 2005, 229, 1-8.	0.4	16
147	Supersonic-jet cryogenic-resonator coaxially oriented beam-resonator arrangement Fourier transform microwave spectrometer. Review of Scientific Instruments, 2005, 76, 093106.	0.6	66
148	Trends in microwave spectroscopy for the detection of chemical agents. IEEE Sensors Journal, 2005, 5, 656-664.	2.4	14
149	Interstellar Chemistry:Â A Strategy for Detecting Polycyclic Aromatic Hydrocarbons in Space. Journal of the American Chemical Society, 2005, 127, 4345-4349.	6.6	158
150	Coaxially aligned electrodes for Stark-effect applied in resonators using a supersonic jet Fourier transform microwave spectrometer. Review of Scientific Instruments, 2004, 75, 2111-2115.	0.6	36
151	Molecular Complexes of Organometallic Molecules with Noble Gases: The Rotational Spectrum of Dimethylsilane-Argon. ChemPhysChem, 2004, 5, 1772-1778.	1.0	6
152	Molecular beam Fourier transform microwave spectra of (chloromethyl)cyclopropane and (chloromethyl)oxirane. Journal of Molecular Structure, 2002, 612, 231-244.	1.8	9
153	The microwave spectrum of 2-methylthiazole: methyl internal rotation and 14N nuclear quadrupole coupling. Journal of Molecular Structure, 2002, 612, 349-356.	1.8	14
154	A portable, pulsed-molecular-beam, Fourier-transform microwave spectrometer designed for chemical analysis. Review of Scientific Instruments, 1999, 70, 2127-2135.	0.6	150
155	Laboratory Detection of the Ringâ€Chain Carbenes HC4N and HC6N. Astrophysical Journal, 1999, 513, 305-310.	1.6	34
156	Fourier transform microwave observation of SO (Xâ€ˆ3Î£, v=0â€“2) produced by 193 nm photodissociation of SO2 in a pulsed supersonic jet expansion. Chemical Physics Letters, 1998, 289, 311-318.	1.2	21
157	Microwave Spectra of the Methylcyanopolyynes CH3(CC)nCN,n= 2, 3, 4, 5. Journal of Molecular Spectroscopy, 1998, 192, 1-11.	0.4	22
158	Microwave Spectra of the Methylpolyynes CH3(Câ‰¡C)4H and CH3(Câ‰¡C)5H. Journal of Molecular Spectroscopy, 1998, 192, 12-16.	0.4	12
159	Rotational spectra of the carbon chain free radicals C10H, C12H, C13H, and C14H. Journal of Chemical Physics, 1998, 109, 5433-5438.	1.2	45
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