Jens-Uwe Grabow

List of Publications by Year
in descending order

188	4,681	136885	138417
papers	citations	32 h-index	58 g-index

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

#	Article	IF	Citations
1	A multioctave coaxially oriented beamâ€resonator arrangement Fourierâ€transform microwave spectrometer. Review of Scientific Instruments, 1996, 67, 4072-4084.	0.6	531
2	Notizen: A Pulsed Molecular Beam Microwave Fourier Transform Spectrometer with Parallel Molecular Beam and Resonator Axes. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 1990, 45, 1043-1044.	0.7	295
3	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
4	A portable, pulsed-molecular-beam, Fourier-transform microwave spectrometer designed for chemical analysis. Review of Scientific Instruments, 1999, 70, 2127-2135.	0.6	150
5	An automatic molecular beam microwave Fourier transform spectrometer. Review of Scientific Instruments, 1990, 61, 3694-3699.	0.6	142
6	Microwave Spectra, Hyperfine Structure, and Electric Dipole Moments for Conformers I and II of Glycine. Astrophysical Journal, 1995, 455, .	1.6	134
7	Ribose Found in the Gas Phase. Angewandte Chemie - International Edition, 2012, 51, 3119-3124.	7.2	97
8	TheC2vStructure of Enolic Acetylacetone. Journal of the American Chemical Society, 2006, 128, 854-857.	6.6	83
9	The Third and Fourth Torsional States of Acetaldehyde. Journal of Molecular Spectroscopy, 1996, 179, 41-60.	0.4	76
10	The Shape of Leucine in the Gas Phase. ChemPhysChem, 2007, 8, 599-604.	1.0	76
11	Nuclear Quadrupole Hyperfine Structure in the Microwave Spectrum of Arâ€“N2O. Journal of Molecular Spectroscopy, 1997, 184, 106-112.	0.4	70
12	Supersonic-jet cryogenic-resonator coaxially oriented beam-resonator arrangement Fourier transform microwave spectrometer. Review of Scientific Instruments, 2005, 76, 093106.	0.6	66
13	Precise dipole moment and quadrupole coupling constants of benzonitrile. Journal of Molecular Spectroscopy, 2008, 247, 119-121.	0.4	66
14	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
15	Structure of the Benzene Dimerâ€”Governed by Dynamics. Angewandte Chemie - International Edition, 2013, 52, 5180-5183.	7.2	64
16	Rotational spectra and van der Waals potentials of Neâ€“Ar. Journal of Chemical Physics, 1995, 102, 1181-1187.	1.2	58
17	Laboratory Detection of the Carbon Chains HC[TINF]15[/TINF]N and HC[TINF]17[/TINF]N. Astrophysical Journal, 1998, 494, L231-L234.	1.6	57
18	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

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19	Rotational spectra of the carbon chain free radicals C10H, C12H, C13H, and C14H. Journal of Chemical Physics, 1998, 109, 5433-5438.	1.2	45
20	Conformational equilibria in vanillin and ethylvanillin. Physical Chemistry Chemical Physics, 2010, 12, 12486.	1.3	44
21	Fourier Transform Microwave Spectroscopy: Handedness Caught by Rotational Coherence. Angewandte Chemie - International Edition, 2013, 52, 11698-11700.	7.2	41
22	Search for corannulene (C₂₀H₁₀) in the Red Rectangle. Monthly Notices of the Royal Astronomical Society, 2009, 397, 1053-1060.	1.6	39
23	Microwave Spectroscopy. , 2009, , 455-552.		38
24	On the Clâ‹¯C halogen bond: a rotational study of CF₃Clâ€“CO. Physical Chemistry Chemical Physics, 2016, 18, 17851-17855.	1.3	38
25	The isocyanopolyynes HC4NC and HC6NC: Microwave spectra and ab initio calculations. Journal of Chemical Physics, 1998, 109, 3108-3115.	1.2	37
26	FTâ€MW and Millimeter Wave Spectroscopy of PANHs: Phenanthridine, Acridine, and 1,10â€Phenanthroline. Astrophysical Journal, 2008, 678, 309-315.	1.6	37
27	Rapid probe of the nicotine spectra by high-resolution rotational spectroscopy. Physical Chemistry Chemical Physics, 2011, 13, 21063.	1.3	37
28	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
29	Rotational and Vibrational Spectroscopy and Ideal Gas Heat Capacity of HFC 134a (CF3CFH2). Journal of Physical Chemistry A, 1997, 101, 2288-2297.	1.1	34
30	Rotational spectroscopy, dipole moment and 14N nuclear hyperfine structure of iso-propyl cyanide. Journal of Molecular Spectroscopy, 2011, 267, 100-107.	0.4	34
31	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
32	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
33	Laboratory Detection of the Ringâ€Chain Carbenes HC4N and HC6N. Astrophysical Journal, 1999, 513, 305-310.	1.6	34
34	Structural evidence of anomeric effects in the anesthetic isoflurane. Physical Chemistry Chemical Physics, 2011, 13, 6610.	1.3	31
35	Disentangling the Puzzle of Hydrogen Bonding in Vitamin C. Journal of Physical Chemistry Letters, 2013, 4, 65-69.	2.1	31
36	Advancements in Microwave Spectroscopy. , 2018, , 569-598.		31

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37	Microwave Spectrum and Structure of the 1,2-Difluorobenzene-Argon van der Waals Complex. Journal of Molecular Spectroscopy, 1993, 158, 278-286.	0.4	30
38	The conformational landscape of the volatile anesthetic sevoflurane. Physical Chemistry Chemical Physics, 2010, 12, 9624.	1.3	30
39	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
40	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
41	The Internuclear Potential, Electronic Structure, and Chemical Bond of Tellurium Selenide. Angewandte Chemie - International Edition, 2005, 44, 6311-6315.	7.2	27
42	N-Methyl stereochemistry in tropinone: the conformational flexibility of the tropane motif. Physical Chemistry Chemical Physics, 2010, 12, 6076.	1.3	27
43	On the weak Oâ€“Hâ‹¯halogen hydrogen bond: a rotational study of CH3CHClFâ‹¯H2O. Physical Chemistry Chemical Physics, 2011, 13, 14092.	1.3	27
44	Coupled Large Amplitude Motions: A Case Study of the Dimethylbenzaldehyde Isomers. Journal of Physical Chemistry A, 2013, 117, 13636-13647.	1.1	27
45	A newly designed molecular beam Fourier transform microwave spectrometer in the range 1â€“4 GHz. Review of Scientific Instruments, 1996, 67, 2714-2719.	0.6	26
46	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
47	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
48	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
49	The Fourier transform rotational spectrum of difluoromethaneâ€“water: internal motion of water. Journal of Molecular Structure, 2005, 742, 87-90.	1.8	25
50	A Molecular Beam Microwave Fourier Transform (MB-MWFT) Spectrometer with an Electric Discharge Nozzle. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 1991, 46, 914-916.	0.7	24
51	Tetrel bonds and conformational equilibria in the formamideâ€“CO2 complex: a rotational study. Physical Chemistry Chemical Physics, 2019, 21, 7016-7020.	1.3	24
52	Characterization of the groundX1state of204Pb19F,206Pb19F,207Pb19F, and208Pb19F. Physical Review A, 2011, 84, .	1.0	23
53	Microwave Spectra of the Methylcyanopolyynes CH3(CC)nCN,n= 2, 3, 4, 5. Journal of Molecular Spectroscopy, 1998, 192, 1-11.	0.4	22
54	Rotational spectra and hyperfine structure of isotopic species of deuterated cyanoacetylene, DC3N. Chemical Physics, 2008, 346, 132-138.	0.9	22

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55	Microwave Spectroscopy. , 2009, , 383-454.		22
56	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
57	Structure, methyl internal rotation, centrifugal distortion, and dipole moment of 2-chloropropane. Journal of Molecular Spectroscopy, 1992, 151, 217-242.	0.4	21
58	Fourier transform microwave observation of SO (Xâ€˜3Î£, 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
59	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
60	The Conformational Landscape of Nicotinoids: Solving the Conformational Disparity of Anabasine. Chemistry - A European Journal, 2010, 16, 10214-10219.	1.7	20
61	Intertorsional Interactions Revealing Absolute Configurations: The V₆ Internal Rotation Heavyâ€Top Case of Benzotrifluoride. ChemPhysChem, 2010, 11, 2589-2593.	1.0	19
62	Laboratory rotational spectroscopy of cyano substituted polycyclic aromatic hydrocarbons. Monthly Notices of the Royal Astronomical Society, 2018, 476, 5268-5273.	1.6	19
63	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
64	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
65	The Microwave Spectrum of 4-Methylisothiazole. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 1991, 46, 635-638.	0.7	17
66	Towards the complete analysis of the rotational spectrum of (CH3)3SnCl. Journal of Molecular Spectroscopy, 2008, 251, 38-55.	0.4	17
67	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
68	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
69	The microwave spectrum of tert-butyl isocyanate. Journal of Molecular Spectroscopy, 1992, 154, 129-136.	0.4	16
70	The quadrupole coupling tensor of methyl amine. Chemical Physics Letters, 1992, 196, 155-158.	1.2	16
71	Microwave Investigation of (Z)- and (E)-EthanethialS-Oxide. The Journal of Physical Chemistry, 1996, 100, 18708-18717.	2.9	16
72	Structure and methyl groups internal rotation of difluorodimethylsilane. Journal of Molecular Spectroscopy, 2005, 229, 1-8.	0.4	16

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73	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
74	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></mml:mrow></mml:mmultiscripts></mml:math> 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.	1.0	16
75		1.3	16
76	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
77	The Scent of Maibowle â€“ Ï€ Electron Localization in Coumarin from Its Microwaveâ€Determined Structure. ChemPhysChem, 2020, 21, 1243-1248.	1.0	16
78	Interdependence of parameters in multivariate fits. Journal of Molecular Spectroscopy, 1992, 152, 168-173.	0.4	15
79	The microwave spectrum and molecular structure of ethylisocyanate. Molecular Physics, 1994, 81, 1177-1185.	0.8	15
80	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
81	Fourier transform microwave and millimeter wave spectroscopy of quinazoline, quinoxaline, and phthalazine. Journal of Chemical Physics, 2011, 134, 154305.	1.2	15
82	Internal rotation in halogenated toluenes: Rotational spectrum of 2,5-difluorotoluene. Journal of Molecular Spectroscopy, 2017, 337, 46-50.	0.4	15
83	Molecular systems with nearly-free internal rotation and nuclear quadrupole coupling: Meta-chlorotoluene. Journal of Molecular Spectroscopy, 2019, 361, 1-7.	0.4	15
84	Thermal fault detection by changes in electrical behaviour in lithium-ion cells. Journal of Power Sources, 2021, 490, 229572.	4.0	15
85	The rotational spectrum of acetophenone-CO2: Preferred non-covalent interactions. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 238, 118424.	2.0	15
86	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
87	Fourier transform microwave study on 2-methyloxetane and 3-methyloxetane. Chemical Physics, 1996, 208, 391-401.	0.9	14
88	Microwave spectrum, largeâ€amplitude motions, and ab initio calculations for N2O5. Journal of Chemical Physics, 1996, 105, 7249-7262.	1.2	14
89	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
90	Trends in microwave spectroscopy for the detection of chemical agents. IEEE Sensors Journal, 2005, 5, 656-664.	2.4	14

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91	Internal dynamics in organometallic molecules: Rotational spectrum of (CH3)3GeCl. Physical Chemistry Chemical Physics, 2006, 8, 2225.	1.3	14
92	Spin-torsion effects in the hyperfine structure of methanol. Journal of Chemical Physics, 2015, 143, 044304.	1.2	14
93	Internal rotation in halogenated toluenes: Rotational spectrum of 2,3-difluorotoluene. Journal of Molecular Spectroscopy, 2018, 349, 37-42.	0.4	14
94	The structure and low-barrier methyl torsion of 3-fluorotoluene. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 242, 118709.	2.0	14
95	The Characteristics of Disulfideâ€Centered Hydrogen Bonds. Angewandte Chemie - International Edition, 2021, 60, 5838-5842.	7.2	14
96	Rotational Spectroscopy of the Lowest Energy Conformer of 2-Cyanobutane. Journal of Physical Chemistry A, 2017, 121, 7121-7129.	1.1	13
97	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
98	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
99	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
100	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
101	Shape of the Adduct Formic Acidâ€“Dimethyl Ether: A Rotational Study. Journal of Physical Chemistry A, 2016, 120, 2863-2867.	1.1	12
102	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
103	Tunneling motions of argon on chlorofluoromethane. Journal of Chemical Physics, 2006, 125, 194302.	1.2	11
104	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
105	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
106	A new Fourier transform millimeter wave spectrometer. Review of Scientific Instruments, 1992, 63, 4108-4111.	0.6	10
107	Hyperfine coupling and large amplitude motions interaction in the water dimer. Journal of Molecular Spectroscopy, 2007, 242, 118-128.	0.4	10
108	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

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109	Rotational characterization of methyl methacrylate: Internal dynamics and structure determination. Journal of Molecular Spectroscopy, 2018, 343, 96-101.	0.4	10
110	Accurate rest frequencies for propargylamine in the ground and low-lying vibrational states. Astronomy and Astrophysics, 2018, 615, A176.	2.1	10
111	Molecular structure and non-covalent interaction of 2-thiophenecarboxaldehyde and its monohydrated complex. Journal of Chemical Physics, 2019, 151, 164307.	1.2	10
112	Fine and hyperfine interaction in YbF173. Physical Review A, 2019, 100, .	1.0	10
113	Structure and methyl torsion of halogenated toluenes: Rotational spectrum of 3,4-difluorotoluene. Journal of Molecular Spectroscopy, 2019, 355, 19-25.	0.4	10
114	Interaction Types in C₆H₅(CH₂)_nOHâ€“CO₂ (n =) Tj ETQq0 0 0 rgBT /Overlo 149-155.	2.1	10
115	The LAM of the Rings: Large Amplitude Motions in Aromatic Molecules Studied by Microwave Spectroscopy. Molecules, 2022, 27, 3948.	1.7	10
116	Molecular beam Fourier transform microwave spectra of (chloromethyl)cyclopropane and (chloromethyl)oxirane. Journal of Molecular Structure, 2002, 612, 231-244.	1.8	9
117	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
118	Conformational preferences of chiral molecules: free jet rotational spectrum of 1-phenyl-1-propanol. Physical Chemistry Chemical Physics, 2007, 9, 4460.	1.3	9
119	The hyperfine interaction in the odd isotope of ytterbium fluoride, 171YbF. Journal of Molecular Spectroscopy, 2014, 300, 7-11.	0.4	9
120	Conformational steering in dicarboxy acids: the native structure of succinic acid. Physical Chemistry Chemical Physics, 2015, 17, 19726-19734.	1.3	9
121	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
122	Rotational spectroscopy of the two conformers of 3-methylbutyronitrile (C₄H₉CN) between 2 and 400 GHz. Astronomy and Astrophysics, 2018, 615, A140.	2.1	9
123	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
124	Reactivity and rotational spectra: the old concept of substitution effects. Physical Chemistry Chemical Physics, 2020, 22, 11490-11497.	1.3	9
125	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
126	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

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127	Nitrogen and Deuterium Hyperfine Structure in the Rotational Spectrum of Morpholine. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 1989, 44, 833-836.	0.7	8
128	Substituent steering of dihedral angles around single bonds: the case of succinonitrile. Physical Chemistry Chemical Physics, 2014, 16, 2100-2105.	1.3	8
129	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
130	The puzzling hyper-fine structure and an accurate equilibrium geometry of succinic anhydride. Physical Chemistry Chemical Physics, 2020, 22, 5170-5177.	1.3	8
131	A HIGHLY-INTEGRATED SUPERSONIC-JET FOURIER TRANSFORM MICROWAVE SPECTROMETER. , 2017, , .		8
132	Three-dimensional intramolecular dynamics: Internal rotation of (CH3)3GeBr. Chemical Physics, 2008, 343, 121-128.	0.9	7
133	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
134	Rotational Spectra of Bicyclic Decanes: The Trans Conformation of (â^')-Lupinine. Journal of Physical Chemistry A, 2013, 117, 13673-13679.	1.1	7
135	Microwave spectroscopic detection of flame-sampled combustion intermediates. RSC Advances, 2017, 7, 37867-37872.	1.7	7
136	Microwave rotational spectrum and ab initio computations on 4-cyanopyridine: molecular structure and hyperfine interactions. Molecular Physics, 2018, 116, 3530-3537.	0.8	7
137	Proton inversion tunneling in the rotational spectrum of acetone cyanohydrin. Journal of Molecular Spectroscopy, 2020, 373, 111372.	0.4	7
138	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
139	The Characteristics of Disulfideâ€Centered Hydrogen Bonds. Angewandte Chemie, 2021, 133, 5902-5906.	1.6	7
140	Molecular Complexes of Organometallic Molecules with Noble Gases: The Rotational Spectrum of Dimethylsilane-Argon. ChemPhysChem, 2004, 5, 1772-1778.	1.0	6
141	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
142	Microwave observation of 41K79Br and 41K81Br from laser-ablated potassium bromide. Journal of Molecular Spectroscopy, 2012, 271, 20-24.	0.4	6
143	Stark Effect in the Benzene Dimer. Journal of Physical Chemistry A, 2013, 117, 13775-13778.	1.1	6
144	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

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145	A Microwave Fourier Transform Spectrometer in the Region from 4 to 6 GHz with Double Resonance Modulation. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 1989, 44, 751-755.	0.7	5
146	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
147	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
148	Pulsed jet Fourier transform microwave spectroscopy of the BF 3 -CO complex. Journal of Molecular Spectroscopy, 2017, 335, 80-83.	0.4	5
149	Kinetics in the real world: linking molecules, processes, and systems. Physical Chemistry Chemical Physics, 2018, 20, 10561-10568.	1.3	5
150	Unveiling the Sulfurâ€“Sulfur Bridge: Accurate Structural and Energetic Characterization of a Homochalcogen Intermolecular Bond. Angewandte Chemie, 2018, 130, 16048-16052.	1.6	5
151	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
152	Molecular complexes of organo-metallic molecules with rare gases: the rotational spectrum of difluorodimethylsilaneâ€“argon. Chemical Physics, 2005, 312, 111-117.	0.9	4
153	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
154	FTMW and millimeter wave spectroscopy of benzanthrone. Journal of Molecular Spectroscopy, 2012, 274, 1-4.	0.4	4
155	Chloromethaneâ€“Water Adduct: Rotational Spectrum, Weak Hydrogen Bonds, and Internal Dynamics. Chemistry - an Asian Journal, 2015, 10, 1198-1203.	1.7	4
156	The Conformational Map of Volatile Anesthetics: Enflurane Revisited. Chemistry - A European Journal, 2016, 22, 9804-9811.	1.7	4
157	Supersonic jet cooled rotational spectrum of 2,4-difluorophenol. Journal of Molecular Spectroscopy, 2017, 335, 23-26.	0.4	4
158	Xeâ‹¯OCS: relatively straightforward?. Physical Chemistry Chemical Physics, 2020, 22, 5615-5624.	1.3	4
159	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
160	The ³³S Nuclear Quadrupole Coupling in the Rotational Spectrum of 2,2â€“Dimethylthiirane. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 1996, 51, 1110-1112.	0.7	3
161	The mm-wave rotational spectrum of dichlorodimethylgermane. Inorganica Chimica Acta, 2007, 360, 1240-1243.	1.2	3
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