W Leo Meerts

List of Publications by Year in Descending Order

203 papers	5,724 citations	41 h-index	61 g-index
208 ext. papers	5,965 ext. citations	3 avg, IF	5.16 L-index

#	Paper	IF	Citations
203	Rotationally resolved electronic spectroscopy of 6-methylindole: Structures, transition moments, and permanent dipole moments of ground and excited singlet states. *Journal of Molecular Structure*, **2022**, 1252, 132053	3.4	
202	Excited state dipole moments and lifetimes of 2-cyanoindole from rotationally resolved electronic Stark spectroscopy. *Physical Chemistry Chemical Physics*, **2021**, 23, 10196-10204	3.6	1
201	Structure and excited state dipole moments of oxygen containing heteroaromatics: 2,3-benzofuran. *Journal of Molecular Structure*, **2020**, 1210, 127992	3.4	5
200	Determination of excited state dipole moments in solution via thermochromic methods. *MethodsX*, **2020**, 7, 101101	1.9	2
199	Direct excitation of the spin-orbit forbidden X2Π3/2 <- X2Π1/2 transition in NO using the intra-cavity free electron laser FELICE. *Molecular Physics*, **2019**, 117, 2941-2946	1.7	
198	Structural changes upon electronic excitation in 1,2-dimethoxybenzene from rotationally resolved electronic spectroscopy of various isotopologues. *Journal of Molecular Structure*, **2019**, 1184, 139-145	3.4	2
197	Towards the Detection of Explosive Taggants: Microwave and Millimetre-Wave Gas-Phase Spectroscopies of 3-Nitrotoluene. *ChemPhysChem*, **2018**, 19, 1056-1067	3.2	13
196	Excited state dipole moments of anisole in gas phase and solution. *Journal of Photochemistry and Photobiology A: Chemistry*, **2018**, 365, 213-219	4.7	6
195	Additional data for evaluation of the excited state dipole moments of anisole. *Data in Brief*, **2018**, 21, 313-315	1.2	1
194	Rotationally resolved electronic spectroscopy of 3-cyanoindole and the 3-cyanoindole-water complex. *Physical Chemistry Chemical Physics*, **2018**, 20, 23441-23452	3.6	10
193	Structures and Dipole Moments of Molecules in Their Electronically Excited States **2018**, 143-193		6
192	Excited-State Dipole Moments and Transition Dipole Orientations of Rotamers of 1,2-, 1,3-, and 1,4-Dimethoxybenzene. *ChemPhysChem*, **2018**, 19, 307-318	3.2	7
191	Rotationally resolved electronic spectroscopy of the rotamers of 1,3-dimethoxybenzene. *Physical Chemistry Chemical Physics*, **2017**, 19, 21364-21372	3.6	7
190	High resolution study of the Δand Σrovibrational fundamental bands of thionyl chloride: Interplay of an evolutionary algorithm and a line-by-line analysis. *Journal of Chemical Physics*, **2017**, 147, 054303	3.9	4
189	Evolutionary algorithms and nuclear magnetic resonance of oriented molecules. *Concepts in Magnetic Resonance Part A: Bridging Education and Research*, **2016**, 45A, e21415	0.6	4
188	On the Additivity of Molecular Fragment Dipole Moments of 5-Substituted Indole Derivatives. *ChemPhysChem*, **2016**, 17, 2736-43	3.2	13
187	Communication: Molecular gears. *Journal of Chemical Physics*, **2016**, 145, 091101	3.9	9

186	Determination of ground and excited state dipole moments via electronic Stark spectroscopy: 5-methoxyindole. *Journal of Chemical Physics*, **2016**, 144, 044201	3.9	18
185	Communication: molecular dynamics and (1)H NMR of n-hexane in liquid crystals. *Journal of Chemical Physics*, **2015**, 143, 011103	3.9	13
184	A model-free temperature-dependent conformational study of n-pentane in nematic liquid crystals. *Journal of Chemical Physics*, **2015**, 142, 024904	3.9	9
183	Analysis of high resolution FTIR spectra from synchrotron sources using evolutionary algorithms. *Journal of Molecular Spectroscopy*, **2015**, 315, 107-113	1.3	5
182	NMR of short-chain hydrocarbons in nematic and smectic a liquid crystals. *Journal of Physical Chemistry A*, **2013**, 117, 9224-34	2.8	5
181	EASY-GOING deconvolution: Automated MQMAS NMR spectrum analysis based on a model with analytical crystallite excitation efficiencies. *Journal of Magnetic Resonance*, **2013**, 228, 116-24	3	9
180	Efficient analysis of highly complex nuclear magnetic resonance spectra of flexible solutes in ordered liquids by using molecular dynamics. *Journal of Chemical Physics*, **2012**, 136, 174506	3.9	15
179	Nuclear magnetic resonance study of alkane conformational statistics. *Journal of Chemical Physics*, **2011**, 135, 234506	3.9	14
178	EASY-GOING deconvolution: combining accurate simulation and evolutionary algorithms for fast deconvolution of solid-state quadrupolar NMR spectra. *Journal of Magnetic Resonance*, **2011**, 211, 114-20	3	14
177	Rotationally resolved electronic spectroscopy of biomolecules in the gas phase. Melatonin. *Journal of Molecular Spectroscopy*, **2011**, 268, 115-122	1.3	4
176	EASY-GOING DUMBO on-spectrometer optimisation of phase modulated homonuclear decoupling sequences in solid-state NMR. *Chemical Physics Letters*, **2011**, 509, 186-191	2.5	12
175	Rotationally resolved electronic spectroscopy of 1,4-benzodioxan: the anomeric effect in the ground and electronically excited state. *ChemPhysChem*, **2011**, 12, 2035-41	3.2	1
174	Towards the complete experiment: measurement of S((1)D2) polarization in correlation with single rotational states of CO(J) from the photodissociation of oriented OCS(v2 = 1|JlM = 111). *Physical Chemistry Chemical Physics*, **2011**, 13, 8549-59	3.6	15
173	How and why do transition dipole moment orientations depend on conformer structure?. *Journal of Physical Chemistry A*, **2011**, 115, 9612-9	2.8	14
172	Rotationally resolved electronic spectroscopy of 2,3-bridged indole derivatives: Tetrahydrocarbazole. *Journal of Molecular Structure*, **2011**, 993, 2-8	3.4	6
171	Ultrafast coherent control of angular momentum during a one-photon excitation. *Physical Review A* , **2011**, 84,	2.6	2
170	Rotationally resolved electronic spectroscopy of 5-methoxyindole. *Journal of Chemical Physics*, **2010**, 133, 024303	3.9	22
169	Scope and limitations of accurate structure determination of solutes dissolved in liquid crystals. *Journal of Physical Chemistry A*, **2010**, 114, 5878-87	2.8	20

168	Vibronic coupling in indole: I. Theoretical description of the 1La-1Lb interaction and the electronic spectrum. *Physical Chemistry Chemical Physics*, **2010**, 12, 4968-79	3.6	73
167	A solid-state NMR and DFT study of compositional modulations in Al(x)Ga(1-x)As. *Physical Chemistry Chemical Physics*, **2010**, 12, 11517-35	3.6	25
166	High-resolution cavity ringdown spectroscopy of the jet-cooled propyl peroxy radical C(3)H(7)O(2). *Physical Chemistry Chemical Physics*, **2010**, 12, 4773-82	3.6	16
165	Vibronic coupling in indole: II. Investigation of the 1La-1Lb interaction using rotationally resolved electronic spectroscopy. *Physical Chemistry Chemical Physics*, **2010**, 12, 4980-8	3.6	59
164	The butane condensed matter conformational problem. *Chemical Physics Letters*, **2010**, 496, 257-262	2.5	12
163	Time- and space-resolved quantitative LIF measurements of formaldehyde in a heavy-duty diesel engine. *Combustion and Flame*, **2010**, 157, 155-166	5.3	30
162	High-resolution cavity ringdown spectroscopy of the jet-cooled ethyl peroxy radical C2H5O2. *Journal of Chemical Physics*, **2009**, 131, 184303	3.9	19
161	The structure of phenol-Ar(n) (n=1,2) clusters in their S(0) and S(1) states. *Journal of Chemical Physics*, **2009**, 130, 224303	3.9	36
160	Evolutionary algorithms to solve complicated NMR spectra. *Journal of Chemical Physics*, **2009**, 130, 044504	3.9	21
159	Analysis of the FTIR spectrum of pyrazine using evolutionary algorithms. *Journal of Molecular Spectroscopy*, **2009**, 257, 74-81	1.3	11
158	Solute order parameters in liquid crystals from NMR spectra solved with evolutionary algorithms: Application of double Maier–Saupe Kobayashi–McMillan theory. *Chemical Physics Letters*, **2009**, 476, 116-119	2.5	14
157	The conformational landscape of 5-methoxytryptamine studied by rotationally resolved fluorescence spectroscopy and resonant ionization spectroscopy. *Physical Chemistry Chemical Physics*, **2009**, 11, 2433-40	3.6	8
156	Conformational effects on excitonic interactions in a prototypical H-bonded bichromophore: bis(2-hydroxyphenyl)methane. *Journal of Physical Chemistry A*, **2009**, 113, 5000-12	2.8	25
155	Structure and internal rotation in the S(0) and S(1) states of o-toluidine studied by high resolution UV spectroscopy. *Physical Chemistry Chemical Physics*, **2009**, 11, 4311-8	3.6	4
154	Novel Strategies for Solving Highly Complex NMR Spectra of Solutes in Liquid Crystals **2009**, 1-35		4
153	Rotationally resolved electronic spectroscopy of water clusters of 7-azaindole. *Journal of Chemical Physics*, **2008**, 128, 214311	3.9	12
152	Tunneling splittings in the S0 and S1 states of the benzoic acid dimer determined by high-resolution UV spectroscopy. *ChemPhysChem*, **2008**, 9, 1788-97	3.2	43
151	Spectroscopy of the transition of formaldehyde in the 30140–30790cm⁻¹ range: The and rovibrational bands. *Journal of Molecular Spectroscopy*, **2008**, 252, 25-30	1.3	7

150	Isomer-specific ultraviolet spectroscopy of m- and p-divinylbenzene. *Journal of Physical Chemistry A*, **2007**, 111, 3697-709	2.8	9
149	A simple two-step automatic assignment procedure for complicated NMR spectra of solutes in liquid crystals using genetic algorithms. *Chemical Physics Letters*, **2007**, 441, 342-346	2.5	12
148	Quantitative laser-induced fluorescence measurements of nitric oxide in a heavy-duty Diesel engine. *Proceedings of the Combustion Institute*, **2007**, 31, 765-773	5.9	26
147	Soot particulate size characterization in a heavy-duty diesel engine for different engine loads by laser-induced incandescence. *Proceedings of the Combustion Institute*, **2007**, 31, 685-691	5.9	23
146	Diesel combustion: In-cylinder NO concentrations in relation to injection timing. *Combustion and Flame*, **2007**, 151, 333-346	5.3	31
145	Laser-induced incandescence particle size measurements in a heavy-duty diesel engine. *Combustion and Flame*, **2006**, 145, 635-637	5.3	13
144	Determining the intermolecular structure in the S0 and S1 states of the phenol dimer by rotationally resolved electronic spectroscopy. *ChemPhysChem*, **2006**, 7, 1241-9	3.2	32
143	A new automated assign and analysing method for high-resolution rotationally resolved spectra using genetic algorithms. *Physica Scripta*, **2006**, 73, C47-C52	2.6	35
142	Electronically excited states of tryptamine and its microhydrated complex. *Journal of Chemical Physics*, **2006**, 125, 124309	3.9	25
141	Application of genetic algorithms in automated assignments of high-resolution spectra. *International Reviews in Physical Chemistry*, **2006**, 25, 353-406	7	98
140	A genetic algorithm based determination of the ground and excited (1Lb) state structure and the orientation of the transition dipole moment of benzimidazole. *Physical Chemistry Chemical Physics*, **2006**, 8, 228-35	3.6	28
139	Absorption of NO laser-induced fluorescence by hot O2 and CO2. *Combustion and Flame*, **2006**, 144, 638-641	3.9	12
138	Electronic excitation in the benzonitrile dimer: The intermolecular structure in the S0 and S1 state determined by rotationally resolved electronic spectroscopy. *Journal of Molecular Structure*, **2006**, 795, 234-241	3.4	20
137	Attenuation corrections for in-cylinder NO LIF measurements in a heavy-duty Diesel engine. *Applied Physics B: Lasers and Optics*, **2006**, 83, 155-166	1.9	17
136	Rotational isomers of hydroxy deuterated o- and m-cresols studied by ultraviolet high resolution experiments. *Physical Chemistry Chemical Physics*, **2005**, 7, 2142-50	3.6	15
135	Structural selection by microsolvation: conformational locking of tryptamine. *Journal of the American Chemical Society*, **2005**, 127, 10356-64	16.4	75
134	Structure and barrier to internal rotation of 4-methylstyrene in the S0- and S1-state. *Journal of Molecular Structure*, **2005**, 742, 123-130	3.4	7
133	Structure determination of resorcinol rotamers by high-resolution UV spectroscopy. *ChemPhysChem*, **2005**, 6, 2129-36	3.2	16

132	Twisted intramolecular charge transfer states: rotationally resolved fluorescence excitation spectra of 4,4'-dimethylaminobenzonitrile in a molecular beam. *Journal of Chemical Physics*, **2005**, 122, 84309	3.9	27
131	The structure of 4-methylphenol and its water cluster revealed by rotationally resolved UV spectroscopy using a genetic algorithm approach. *Journal of Chemical Physics*, **2005**, 123, 044304	3.9	21
130	Quasiperiodic structures via atom-optical nanofabrication. *Physical Review B*, **2004**, 69,	3.3	10
129	New applications of the genetic algorithm for the interpretation of high-resolution spectra. *Canadian Journal of Chemistry*, **2004**, 82, 804-819	0.9	79
128	The structure of the phenol-nitrogen cluster: a joint experimental and ab initio study. *Journal of Chemical Physics*, **2004**, 120, 2752-8	3.9	28
127	Laser manipulation of iron for nanofabrication. *Applied Physics Letters*, **2004**, 85, 3842-3844	3.4	34
126	Determination of the structure of 7-azaindole in the electronic ground and excited state using high-resolution ultraviolet spectroscopy and an automated assignment based on a genetic algorithm. *Molecular Physics*, **2004**, 102, 1605-1614	1.7	31
125	Microwave and sub-mmwave study of CH3SiH3 including the perturbation-allowed torsion□ibration difference band (□12=0,□=3)<-(□12=1,□=0). *Journal of Molecular Spectroscopy*, **2004**, 228, 279-292	1.3	6
124	Structure of tetracene□rgon and tetracene□rypton complexes from high resolution laser experiments at 450 nm. *Chemical Physics*, **2002**, 283, 371-377	2.3	9
123	Seventeenth Colloquium on High Resolution Molecular Spectroscopy. *Molecular Physics*, **2002**, 100, 3483-3483	1.7	4
122	Performance optimization of an external enhancement resonator for optical second-harmonic generation. *Journal of the Optical Society of America B: Optical Physics*, **2002**, 19, 1660	1.7	17
121	Anomalous transitions in two-level systems driven by the ac Stark effect. *Canadian Journal of Physics*, **2001**, 79, 533-545	1.1	1
120	Gas-phase infrared spectroscopy on the lowest triplet state of the pyrazine□rgon complex. *Chemical Physics Letters*, **2000**, 317, 197-202	2.5	8
119	Direct determination of molecular constants from rovibronic spectra with genetic algorithms. *Journal of Chemical Physics*, **2000**, 113, 7955-7962	3.9	75
118	Proton tunneling in the benzoic acid dimer studied by high resolution ultraviolet spectroscopy. *Journal of Chemical Physics*, **2000**, 112, 10890-10894	3.9	51
117	Structural information on the S0 and S1 state of o-fluorophenol by hole burning and high resolution ultraviolet spectroscopy. *Journal of Chemical Physics*, **2000**, 112, 6237-6244	3.9	29
116	Fitting Fluorescence Spectra with Genetic Algorithms. *Lecture Notes in Computer Science*, **2000**, 702-711	0.9	
115	Internal rotation effects in the rotationally resolved S1(1Lb) <-S0 origin bands of 3-methylindole and 5-methylindole. *Journal of Chemical Physics*, **1998**, 108, 8436-8445	3.9	17

114	Internal rotation and Stark effect in CH3SiD3. *Journal of Chemical Physics*, **1998**, 109, 4823-4832	3.9	7
113	Imaging and post-processing of laser-induced fluorescence from NO in a diesel engine. *Applied Physics B: Lasers and Optics*, **1997**, 64, 717-724	1.9	18
112	High resolution pulsed-cw double-resonance spectroscopy on the B1 (=0) A1 (=0) system of CO. *Chemical Physics Letters*, **1997**, 267, 127-131	2.5	6
111	Rotationally resolved electronic spectroscopy of 4-aminobenzonitrile. *Chemical Physics Letters*, **1997**, 278, 373-379	2.5	34
110	Analysis of Complex High-Resolution NMR Spectra by Sophisticated Evolutionary Strategies **1996**, 437-450		4
109	High resolution UV spectroscopy of phenol and the hydrogen bonded phenol-water cluster. *Journal of Chemical Physics*, **1996**, 104, 972-982	3.9	224
108	High resolution electronic spectroscopy of 1-aminonaphthalene: S0 and S1 geometries and S1<-S0 transition moment orientations. *Journal of Chemical Physics*, **1996**, 104, 3935-3946	3.9	38
107	Stark effect and dipole moments of the ammonia dimer in different vibration otation unneling states. *Journal of Chemical Physics*, **1996**, 104, 3898-3906	3.9	18
106	The ammonia dimer: new infrared-far infrared double resonance results. *Chemical Physics*, **1995**, 193, 327-338	2.3	23
105	Rotationally resolved ultraviolet spectroscopy of indole, indazole, and benzimidazole: Inertial axis reorientation in the S1(1Lb)<-S0 transitions. *Journal of Chemical Physics*, **1995**, 103, 9596-9606	3.9	101
104	A study of the singlet riplet perturbations in the A 1Au state of acetylene by high resolution ultraviolet spectroscopy. *Journal of Chemical Physics*, **1994**, 100, 165-174	3.9	53
103	Tunable infrared and far-infrared direct absorption spectroscopy of molecular ions in a supersonic jet expansion. *Chemical Physics Letters*, **1994**, 219, 384-388	2.5	34
102	Rotationally resolved spectroscopy on the 1-cyanonaphthalene/triethylamine van der Waals complex in a molecular beam. *Chemical Physics Letters*, **1994**, 224, 405-410	2.5	4
101	Rotationally resolved UV spectroscopy of the 2H-tautomer of benzotriazole in a molecular beam. *Chemical Physics Letters*, **1994**, 226, 305-309	2.5	22
100	Detection of sodium cyanide (NaCN) in IRC 10216. *Astrophysical Journal*, **1994**, 426, L97	4.7	103
99	Accurate determination of predissociation rates and transition frequencies for carbon monoxide. *Astrophysical Journal*, **1994**, 427, L55	4.7	26
98	Determination of electric dipole moments and transition probabilities of low-lying singlet states of CO. *Journal of Chemical Physics*, **1993**, 99, 2352-2358	3.9	31
97	High resolution double-resonance spectroscopy on Rydberg states of CO. *Journal of Chemical Physics*, **1993**, 99, 5701-5711	3.9	45

96	The electric dipole moment of (NH3)2 for G: ?K?=1. *Journal of Chemical Physics*, **1993**, 99, 2449-2452	3.9	36
95	High-resolution laser-induced fluorescence and microwave-ultraviolet double resonance spectroscopy on 1-cyanonaphthalene. *Chemical Physics*, **1993**, 174, 247-253	2.3	17
94	High-resolution laser-induced fluorescence study of a cage molecule, 1,4-diazabicyclo [2,2,2] octane, DABCO. *Chemical Physics*, **1993**, 174, 267-276	2.3	9
93	Laser-induced fluorescence imaging in a 100 kW natural gas flame. *Applied Physics B: Lasers and Optics*, **1992**, 55, 164-170	1.9	19
92	Determination of the electric dipole moment of KrH+. *Journal of Molecular Spectroscopy*, **1992**, 153, 710-717	1.7	22
91	Acetone, a laser-induced fluorescence study with rotational resolution at 320 nm. *Chemical Physics*, **1992**, 163, 193-208	2.3	37
90	Spectroscopy on triphenylamine and its van der Waals complexes. *Chemical Physics*, **1992**, 163, 209-222	2.3	44
89	An infrared–far-infrared double resonance study on (NH3)2 in a jet. *Chemical Physics Letters*, **1992**, 193, 261-268	2.5	26
88	A study of the S1 61 (1A?2) vibronically excited state of sym-triazine by high-resolution UV laser spectroscopy. *Chemical Physics*, **1991**, 151, 371-383	2.3	3
87	The submillimeter rotation-tunneling spectrum of Ar-D2O and Ar-NH3. *Chemical Physics*, **1991**, 151, 407-418	2.3	42
86	Vibrational and rotational effects on the intersystem crossing in pyrazine and pyrimidine. *Chemical Physics*, **1991**, 156, 197-207	2.3	12
85	Avoided-crossing molecular-beam study of the torsion-rotation energy levels of CH3CF3. *Chemical Physics*, **1991**, 152, 241-259	2.3	19
84	The submillimeter rotation tunneling spectrum of the water dimer. *Journal of Molecular Spectroscopy*, **1991**, 147, 27-39	1.3	84
83	The use of extended permutation-inversion groups in constructing hyperfine Hamiltonians for symmetric-top internal rotor molecules like H3C?SiH3. *Journal of Molecular Spectroscopy*, **1991**, 146, 8-48	1.3	15
82	The trans-stilbene-Ar van der Waals complex. Vibrationally averaged substitution structure in its S0 and S1 electronic states. *Chemical Physics*, **1991**, 156, 251-260	2.3	22
81	Rotational assignments in the S1 (1B3u) state of pyrazine by UV–UV pump-probe laser spectroscopy. *Chemical Physics Letters*, **1991**, 177, 357-360	2.5	5
80	Microwave and submillimeter spectroscopy of Ar–NH3 states correlating with Ar+NH3 (j=1,?k?=1). *Journal of Chemical Physics*, **1991**, 95, 793-803	3.9	43
79	trans-Stilbene. A rigid, planar asymmetric top in the zero-point vibrational levels of its S0 and S1 electronic states. *The Journal of Physical Chemistry*, **1990**, 94, 6-8		89

78	The submillimeter rotation tunneling spectrum of (D2O)2. *Chemical Physics Letters*, **1990**, 173, 115-121	2.5	25
77	The (Ka=0-ħ) submillimeter rotation-tunneling spectrum of the water dimer. *Chemical Physics Letters*, **1990**, 166, 500-502	2.5	29
76	A far infrared laser sideband spectrometer in the frequency region 550□700 GHz. *Review of Scientific Instruments*, **1990**, 61, 1612-1625	1.7	57
75	Determination of the electric dipole moment of HN+2. *Journal of Chemical Physics*, **1990**, 93, 8446-8451	3.9	30
74	Internal rotation in 1,4-dimethylnaphthalene studied by high resolution laser spectroscopy. *Molecular Physics*, **1990**, 69, 265-280	1.7	10
73	Bixon-Jortner Revisited. *Israel Journal of Chemistry*, **1990**, 30, 131-134	3.4	1
72	Analysis and deconvolution of some J□ rovibronic transitions in the high resolution S1<-S0 fluorescence excitation spectrum of pyrazine. *Journal of Chemical Physics*, **1989**, 90, 1313-1321	3.9	43
71	Influence of the ac Stark effect on multiphoton transitions in molecules. *Journal of Chemical Physics*, **1989**, 90, 4681-4688	3.9	21
70	Methyl torsional barriers in different electronic states. Simultaneous determination from the rotationally resolved fluorescence excitation spectrum of a large molecule. *Journal of Chemical Physics*, **1989**, 90, 2521-2522	3.9	22
69	A LIF monitor for potato-sprout inhibitors. *Journal Physics D: Applied Physics*, **1989**, 22, 1549-1551	3	2
68	High-resolution spectroscopy on the transition in SiCl2. *Journal of Molecular Spectroscopy*, **1989**, 138, 251-263	1.3	8
67	Torsion-rotation-vibration effects in the degenerate vibrational fundamental (v12 = 1 <- 0) of CH3SiH3. *Journal of Molecular Spectroscopy*, **1989**, 137, 166-203	1.3	29
66	Far infrared laser sideband spectroscopy of H3O+: the pure inversion spectrum around 55 cm-1. *Chemical Physics Letters*, **1989**, 161, 195-201	2.5	36
65	Study of dark states in naphthalene, pyrimidine and pyrazine by detection of phosphorescence after UV laser excitation. *Chemical Physics*, **1989**, 135, 139-147	2.3	20
64	High-resolution quantum beat spectroscopy of the perturbed J? = 1 level of the 1B3u state of pyrazine. *Chemical Physics Letters*, **1988**, 145, 305-308	2.5	5
63	Rotationally resolved spectroscopy of deuterated fluorene and the fluorene□rgon van der Waals complex. *Chemical Physics Letters*, **1988**, 147, 7-12	2.5	16
62	Sub-millimeter laser sideband spectroscopy of H3O+. *Chemical Physics Letters*, **1988**, 143, 501-504	2.5	22
61	High resolution laser spectroscopy as a tool to investigate dynamics in large molecules and molecular clusters. *Journal of Molecular Structure*, **1988**, 173, 201-213	3.4	4

60	High-resolution spectroscopy of CF2Cl2 in a molecular jet. *Applied Physics B, Photophysics and Laser Chemistry*, **1988**, 45, 27-31		13
59	High resolution absorption spectrum of the molecular eigenstates of pyrazine. *Journal of Chemical Physics*, **1988**, 89, 3939-3944	3.9	19
58	The analysis of intensity fluctuations for a fully resolved spectrum: Pyrazine. *Journal of Chemical Physics*, **1988**, 88, 6810-6813	3.9	18
57	Ultra high-resolution fluorescence excitation spectrum of 1B1 pyrimidine in a molecular beam. Structural assignments, analysis of singlet□triplet perturbations, and implications for intersystem crossing in the isolated molecule. *Journal of Chemical Physics*, **1988**, 89, 1813-1826	3.9	56
56	Pyrazine: An "Exact" Solution to the Problem of Radiationless Transitions. *Annual Review of Physical Chemistry*, **1987**, 38, 433-462	15.7	152
55	Rotationally resolved laser spectroscopy of tetracene and its van der Waals complexes with inert gas atoms. *Journal of Chemical Physics*, **1987**, 87, 182-190	3.9	43
54	High resolution lifetime measurements of the perturbed J□0 levels of the 1B3u state of pyrazine. *Journal of Chemical Physics*, **1987**, 86, 4396-4400	3.9	45
53	Microwave anticrossing spectrum of ammonia. *Journal of Chemical Physics*, **1987**, 86, 2548-2556	3.9	10
52	The absolute value of the quantum yield of the fluorescence of the 1B3u 0□ state of pyrazine as a function of the rotational quantum numbers. *Journal of Chemical Physics*, **1987**, 86, 4004-4010	3.9	22
51	IR dissociation of ammonia clusters. *Chemical Physics*, **1987**, 115, 79-91	2.3	49
50	Observation of the lowest rotational transition of NH+ with resolved hyperfine structure. *Chemical Physics Letters*, **1986**, 132, 213-217	2.5	21
49	Internal rotation in CH3CD3: Raman spectroscopy of torsional overtones. *Chemical Physics Letters*, **1986**, 128, 494-500	2.5	24
48	Far-infrared spectroscopy on OD+. *Chemical Physics Letters*, **1986**, 125, 286-289	2.5	15
47	Pyrimidine, an Intermediate State Molecule?. *Laser Chemistry*, **1986**, 5, 339-350		12
46	Rotationally Resolved Spectroscopy of Tetracene and its Van Der Waals Complexes With Inert Gas Atoms. *Laser Chemistry*, **1986**, 6, 37-46		4
45	The Zeeman spectrum of the OH 2□2 state. *Chemical Physics Letters*, **1985**, 120, 247-251	2.5	1
44	Submillimeter spectroscopy on OH+: The rotational transition at 1 THz. *Journal of Chemical Physics*, **1985**, 82, 3868-3869	3.9	39
43	High-resolution molecular-beam spectroscopy of NaCN and Na13CN. *Chemical Physics*, **1984**, 86, 147-159	2.3	70

42	Near-uv spectra with fully resolved rotational structure of naphthalene and perdeuterated naphthalene. *Journal of Molecular Spectroscopy*, **1984**, 104, 271-281	1.3	93
41	Molecular beam electric resonance study of KCN, K13CN and KC15N. *Journal of Molecular Spectroscopy*, **1984**, 106, 280-298	1.3	40
40	Internal rotation, Stark effect, and rotational magnetic moments in CH3CD3. *Canadian Journal of Physics*, **1984**, 62, 1844-1854	1.1	20
39	The structure of fluorene (C13H10) and the fluorine–argon van der Waals complex from a high-resolution near ultraviolet spectrum. *Canadian Journal of Physics*, **1984**, 62, 1293-1299	1.1	50
38	Determination of the spin–rotation and hyperfine structure in the A 2Σ+12, Λ = 0 and Λ = 1 states of OH. *Chemical Physics Letters*, **1983**, 94, 25-28	2.5	34
37	High-resolution laser-rf spectroscopy on the A2Π2-X2Π2 system of Iodine oxide (IO). *Journal of Molecular Spectroscopy*, **1983**, 102, 320-343	1.3	45
36	Study of the torsion-rotation Hamiltonian for symmetric tops using the millimeter wave spectrum of methyl silane. *Journal of Molecular Spectroscopy*, **1983**, 102, 89-111	1.3	55
35	Rotational spectrum, hyperfine spectrum and structure of lithium isocyanide. *Chemical Physics*, **1983**, 82, 385-393	2.3	54
34	Structure of sodium cyanide by molecular beam electric resonance spectroscopy. *Journal of Chemical Physics*, **1982**, 77, 5245-5246	3.9	29
33	The far-infrared rotational spectrum of the CF radical. *Chemical Physics Letters*, **1982**, 88, 59-62	2.5	17
32	Rotational hyperfine spectrum of the NH radical around 1 THz. *Chemical Physics Letters*, **1982**, 92, 215-218	2.5	21
31	Spectrum of the molecular eigenstates of pyrazine. *Chemical Physics Letters*, **1982**, 92, 565-569	2.5	83
30	The Stark and Zeeman effects in methyl silane. *Journal of Molecular Spectroscopy*, **1982**, 93, 164-178	1.3	21
29	Internal rotation in methyl silane by avoided-crossing molecular-beam spectroscopy. *Journal of Molecular Spectroscopy*, **1982**, 94, 38-54	1.3	37
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