

Gerald T Fraser

List of Publications by Year in descending order

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146
papers

6,475
citations

53660

45
h-index

79541

73
g-index

146
all docs

146
docs citations

146
times ranked

2692
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparison of MODTRAN5 atmospheric extinction predictions with narrowband astronomical flux observations. Proceedings of SPIE, 2015, , .	0.8	1
2	Sensor calibration and characterization to meet climate monitoring requirements. , 2014, , .		1
3	A novel apparatus to measure reflected sunlight from the Moon. Proceedings of SPIE, 2013, , .	0.8	4
4	Ground-based observatory operations optimized and enhanced by direct atmospheric measurements. , 2010, , .		5
5	Space-based photometric precision from ground-based telescopes. Proceedings of SPIE, 2010, , .	0.8	3
6	New measurements of the water vapor continuum in the region from 0.3 to 2.7THz. Journal of Quantitative Spectroscopy and Radiative Transfer, 2008, 109, 458-467.	1.1	56
7	Continuum and magnetic dipole absorption of the water vapor and oxygen mixtures from 0.3 to 3.6THz. Journal of Molecular Spectroscopy, 2008, 251, 203-209.	0.4	9
8	Measurement science for climate remote sensing. Proceedings of SPIE, 2008, , .	0.8	1
9	System-level pre-launch calibration of onboard solar diffusers. Proceedings of SPIE, 2007, , .	0.8	0
10	Absolute flux calibrations of stars. Proceedings of SPIE, 2007, , .	0.8	2
11	Once is enough in radiometric calibrations. Journal of Research of the National Institute of Standards and Technology, 2007, 112, 39.	0.4	5
12	The microwave spectrum of a two-top peptide mimetic: The N-acetyl alanine methyl ester molecule. Journal of Chemical Physics, 2006, 125, 104312.	1.2	30
13	Experimental In-Cavity Radiative Calibration of High Heat-Flux Meters. Journal of Thermophysics and Heat Transfer, 2006, 20, 327-335.	0.9	11
14	Investigation of the water-vapor continuum in the THz region using a multipass cell. Journal of Quantitative Spectroscopy and Radiative Transfer, 2005, 91, 287-295.	1.1	37
15	Investigation of collision-induced absorption in the vibrational fundamental bands of O2 and N2 at elevated temperatures. Journal of Molecular Spectroscopy, 2005, 233, 160-163.	0.4	21
16	Magnetic-Field-Induced Assemblies of Cobalt Nanoparticles. Langmuir, 2005, 21, 12055-12059.	1.6	122
17	A summary of heat-flux sensor calibration data. Journal of Research of the National Institute of Standards and Technology, 2005, 110, 97.	0.4	7
18	Infrared spectrum of the continuum and dimer absorption in the vicinity of the O2 vibrational fundamental in O2/CO2 mixtures. Journal of Molecular Spectroscopy, 2004, 228, 432-440.	0.4	88

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19	THz laser study of self-pressure and temperature broadening and shifts of water vapor lines for pressures up to. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2004, 87, 377-385.	1.1	23
20	On the origin of the band structure observed in the collision-induced absorption bands of CO ₂ . <i>Journal of Molecular Spectroscopy</i> , 2003, 218, 260-261.	0.4	12
21	Experimental studies of peptide bonds: Identification of the C ₇ eq conformation of the alanine dipeptide analog N-acetyl-alanine N ^ε -methylamide from torsion-rotation interactions. <i>Journal of Chemical Physics</i> , 2003, 118, 1253-1265.	1.2	70
22	Conformational analysis of the jet-cooled peptide mimetic ethylacetamidoacetate from torsion-rotation spectra. <i>Journal of Chemical Physics</i> , 2003, 119, 5497-5504.	1.2	32
23	Submillimeter-Wavelength Plasma Diagnostics For Semiconductor Manufacturing. <i>AIP Conference Proceedings</i> , 2003, , .	0.3	0
24	Submillimeter-wavelength plasma chemical diagnostics for semiconductor manufacturing. <i>Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , 2003, 21, 2067.	1.6	6
25	Laboratory Studies of Oxygen Continuum Absorption. , 2003, , 159-168.		0
26	Rotational spectrum of the weakly bonded C ₆ H ₆ •H ₂ S dimer and comparisons to C ₆ H ₆ •H ₂ O dimer. <i>Journal of Chemical Physics</i> , 2002, 117, 9766-9776.	1.2	52
27	<title>Evaluation of Fourier-transform microwave spectroscopy as a tool for quantitative analysis: signal stability considerations</title>. , 2002, , .		4
28	The 1.27- μ m O ₂ continuum absorption in O ₂ /CO ₂ mixtures. <i>Journal of Geophysical Research</i> , 2001, 106, 31749-31753.	3.3	10
29	Investigation of Conformationally Rich Molecules: Rotational Spectra of Fifteen Conformational Isomers of 1-Octene. <i>Journal of Physical Chemistry A</i> , 2001, 105, 9859-9864.	1.1	34
30	The Ground and First Excited Torsional States of Acetic Acid. <i>Journal of Molecular Spectroscopy</i> , 2001, 205, 286-303.	0.4	40
31	Reinvestigation of the Microwave Spectrum of Acetamide. <i>Journal of Molecular Spectroscopy</i> , 2001, 208, 188-193.	0.4	57
32	Spontaneous coherent microwave emission and the sawtooth instability in a compact storage ring. <i>Physical Review Special Topics: Accelerators and Beams</i> , 2001, 4, .	1.8	35
33	Intensity of the Simultaneous Vibrational Absorption CO ₂ ($\nu_3 = 1$) + N ₂ ($\nu = 1$) $\hat{+}$ CO ₂ ($\nu_3 = 0$) + N ₂ ($\nu = 0$) at 4680 cm ⁻¹ . <i>Journal of Molecular Spectroscopy</i> , 2000, 201, 175-177.	0.4	11
34	The infrared spectrum and internal rotation barrier in HF•BF ₃ . <i>Chemical Physics Letters</i> , 2000, 322, 401-406.	1.2	9
35	Rotational spectra of four of the five conformers of 1-pentene. <i>Journal of Chemical Physics</i> , 2000, 112, 6209-6217.	1.2	28
36	Doppler-free nonlinear absorption in ethylene by use of continuous-wave cavity ringdown spectroscopy. <i>Applied Optics</i> , 2000, 39, 3154.	2.1	44

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37	Investigation of the collision-induced absorption by O ₂ near 6.4 μ m in pure O ₂ and O ₂ /N ₂ mixtures. Journal of Geophysical Research, 2000, 105, 22225-22230.	3.3	16
38	The structure of O ₃ -CH ₄ and the implications for the O+CH ₄ precursor-initiated reaction. Journal of Chemical Physics, 2000, 113, 2139-2144.	1.2	13
39	Rotational Spectra of Seven Conformational Isomers of 1-Hexene. Journal of Physical Chemistry A, 2000, 104, 1141-1146.	1.1	68
40	Pendular States of Highly Vibrationally Excited Molecules. Physical Review Letters, 1999, 82, 2856-2859.	2.9	12
41	Rotation-tunneling spectrum of the deuterated ammonia dimer. Journal of Chemical Physics, 1999, 110, 9555-9559.	1.2	16
42	The Rotational Spectrum of Ar-SiH ₄ and Ar-SiD ₄ . Journal of Molecular Spectroscopy, 1999, 197, 232-239.	0.4	5
43	Absolute intensities for the O ₂ 1.27 μ m continuum absorption. Journal of Geophysical Research, 1999, 104, 30585-30590.	3.3	50
44	High-Resolution Microwave and Infrared Molecular-Beam Studies of the Conformers of 1,1,2,2-Tetrafluoroethane. Journal of Molecular Spectroscopy, 1998, 192, 75-85.	0.4	8
45	Molecular-beam infrared-infrared double-resonance spectroscopy study of the vibrational dynamics of the acetylenic C-H stretch of propargyl amine. Journal of Chemical Physics, 1998, 109, 4290-4301.	1.2	22
46	Rotational line strengths and self-pressure-broadening coefficients for the 127- μ m, ν_2 band of O ₂ . Applied Optics, 1998, 37, 2264.	2.1	98
47	New infrared beamline at the NIST SURF II storage ring. , 1997, , .		8
48	Rotational and Vibrational Spectroscopy and Ideal Gas Heat Capacity of HFC 134a (CF ₃ CFH ₂). Journal of Physical Chemistry A, 1997, 101, 2288-2297.	1.1	34
49	Rotational Spectra, Structure, and Electric Dipole Moments of Methyl and Ethyltert-Butyl Ether (MTBE and ETBE). Journal of Molecular Spectroscopy, 1997, 181, 67-77.	0.4	44
50	Microwave and Submillimeter-wave Spectra of the Mixed Deuterated-Protonated Water-Dimer Isotopomers. Journal of Molecular Spectroscopy, 1997, 181, 229-245.	0.4	20
51	Infrared Diode-Laser Molecular-Beam Spectrum of the ν_2 Band of Chlorine Nitrate at 1293 cm^{-1} . Journal of Molecular Spectroscopy, 1997, 183, 228-233.	0.4	13
52	Infrared and Microwave Molecular-Beam Studies of N ₂ O ₅ . Journal of Molecular Spectroscopy, 1997, 184, 172-176.	0.4	5
53	Sub-Doppler Infrared Spectra and Torsion-Rotation Energy Manifold of Methanol in the CH-Stretch Fundamental Region. Journal of Molecular Spectroscopy, 1997, 185, 158-172.	0.4	79
54	Rotational Spectra of CH ₃ CCH-NH ₃ , NCCCH-NH ₃ , and NCCCH-OH ₂ . Journal of Molecular Spectroscopy, 1996, 179, 85-93.	0.4	23

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55	Vibrational couplings and energy flow in complexes of NH ₃ with HCN, HCCH, and HCCCCH. Journal of Chemical Physics, 1996, 105, 6183-6191.	1.2	17
56	Microwave spectrum, large-amplitude motions, and ab initio calculations for N ₂ O ₅ . Journal of Chemical Physics, 1996, 105, 7249-7262.	1.2	14
57	Microwave Spectra, Hyperfine Structure, and Electric Dipole Moments for Conformers I and II of Glycine. Astrophysical Journal, 1995, 455, .	1.6	134
58	<title>Using Fourier transform microwave spectroscopy to detect hazardous air pollutants</title>. , 1995, , .		1
59	Infrared Spectra of the 10- $\hat{1}$ / $\hat{4}$ m Bands of 1,2-Difluoroethane and 1,1,2-Trifluoroethane: Vibrationally Mediated Torsional Tunneling in 1,1,2-Trifluoroethane. Journal of Molecular Spectroscopy, 1995, 174, 297-318.	0.4	8
60	The Microwave Spectrum and Structure of CH ₃ NO ₂ -H ₂ O. Journal of Molecular Spectroscopy, 1995, 171, 189-199.	0.4	35
61	High-order torsional couplings in the infrared spectrum of 3,3,3-trifluoropropene. Chemical Physics, 1995, 190, 231-245.	0.9	5
62	Study of the overtone C=O stretching band of methanol by multiple resonance spectroscopy. Journal of Chemical Physics, 1995, 103, 14-19.	1.2	14
63	Proton interchange tunneling and internal rotation in HSH=NH ₃ . Journal of Chemical Physics, 1995, 102, 4321-4328.	1.2	5
64	Pulsed-nozzle Fourier-transform microwave investigation of the large-amplitude motions in HBr=CO ₂ . Journal of Chemical Physics, 1995, 103, 3877-3884.	1.2	28
65	Donor-acceptor interchange tunneling in HDO=DOH and the higher energy HDO=HOD isotopomer. Journal of Chemical Physics, 1995, 102, 1114-1121.	1.2	20
66	Rotational spectra and van der Waals potentials of Ne=Ar. Journal of Chemical Physics, 1995, 102, 1181-1187.	1.2	58
67	Fourier-transform infrared and jet-cooled diode-laser spectra of the 867 cm ⁻¹ v ₉ band of acetaldehyde. Molecular Physics, 1995, 84, 201-210.	0.8	11
68	The microwave spectrum and OH internal rotation dynamics of gauche-2,2,2-trifluoroethanol. Journal of Chemical Physics, 1995, 103, 9541-9548.	1.2	51
69	Electric resonance optothermal spectrum of the 920 cm ⁻¹ v ₁₄ +v ₁₅ torsional combination band of acetaldehyde. Molecular Physics, 1994, 81, 359-368.	0.8	7
70	The molecular Stark effect in regions of high state density: Overall simplicity and underlying complexity in the response to a static electric field. Journal of Chemical Physics, 1994, 100, 6210-6220.	1.2	14
71	Infrared diode-laser spectra of the $\hat{1}$ / $\hat{2}$ 9 and $\hat{1}$ / $\hat{2}$ 11 N=O stretching bands of N ₂ O ₄ . Journal of Chemical Physics, 1994, 100, 6993-6999.	1.2	28
72	Rotational spectrum of a dark state in 2-fluoroethanol using microwave/radio-frequency-infrared multiple resonance. Journal of Chemical Physics, 1994, 100, 831-839.	1.2	19

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73	Contaminated torsional tunneling splittings in five normal-mode vibrations of propene. Journal of Chemical Physics, 1994, 100, 729-732.	1.2	17
74	Molecular Beam Diode-Laser Spectrum of the $\hat{1}/2$ Band of N ₂ O ₃ at 1304 cm ⁻¹ . Journal of Molecular Spectroscopy, 1994, 163, 428-435.	0.4	2
75	On the Apparent Methyl Internal-Rotation Barrier Decrease in Weakly Bound Methanol Complexes. Journal of Molecular Spectroscopy, 1994, 167, 231-235.	0.4	23
76	The microwave spectrum of CH ₄ -H ₂ O. Journal of Chemical Physics, 1994, 101, 7230-7240.	1.2	78
77	Current Themes in Microwave and Infrared Spectroscopy of Weakly Bound Complexes. Chemical Reviews, 1994, 94, 1807-1827.	23.0	158
78	Observation of Tunneling Splittings in the 10 .mu.m Infrared Spectra of Cyclopropylamine and Propargylamine. The Journal of Physical Chemistry, 1994, 98, 9979-9985.	2.9	3
79	Electric-Resonance Optothermal Spectrum of the K _a = 1 $\hat{1}$ •0 Band of DHO-DOD: Direct Observation of the 1 $\hat{1}$ ' 4 Tunneling Splitting. Journal of Molecular Spectroscopy, 1993, 161, 312-316.	0.4	6
80	Frequency-resolved measurement of fast intramolecular vibrational energy redistribution (IVR) in the O-H stretch of gas-phase ethanol. Chemical Physics, 1993, 175, 223-236.	0.9	33
81	Molecular-beam spectrum of the 970 cm ⁻¹ Fermi triad of CF ₃ CH ₃ . Journal of Chemical Physics, 1993, 99, 2396-2404.	1.2	21
82	Molecules excited to regions of high state density are not deflected by an inhomogeneous electric field. Journal of Chemical Physics, 1993, 98, 2477-2480.	1.2	17
83	Microwave spectrum of the K _a = 1 $\hat{1}$ •0 rotation-tunnelling band of (D ₂ O) ₂ . Molecular Physics, 1993, 78, 1179-1189.	0.8	42
84	Perturbations in the infrared spectrum of the NH ₃ umbrella mode of HOH-NH ₃ . Journal of Chemical Physics, 1992, 96, 7287-7297.	1.2	45
85	The 3 $\hat{1}/2$ band of ³² S ¹⁶ O ₂ : Line positions and intensities. Journal of Molecular Spectroscopy, 1992, 154, 51-60.	0.4	38
86	Molecular-beam optothermal spectrum of the $\hat{1}/2$ C-H stretching fundamental band of CHF ₂ Cl. Journal of Molecular Spectroscopy, 1992, 152, 307-316.	0.4	16
87	Microwave and infrared spectra of C ₂ H ₄ -HCCH: barrier to twofold internal rotation of C ₂ H ₄ . Chemical Physics, 1992, 163, 91-101.	0.9	21
88	Microwave and submillimeter spectroscopy of Ar-NH ₃ states correlating with Ar+NH ₃ (j=1, k=1). Journal of Chemical Physics, 1991, 95, 793-803.	1.2	44
89	(H ₂ O) ₂ : spectroscopy, structure and dynamics. International Reviews in Physical Chemistry, 1991, 10, 189-206.	0.9	119
90	Optothermal-detected microwave-sideband CO ₂ -laser spectroscopy of NCH-NH ₃ . Chemical Physics, 1991, 156, 523-531.	0.9	8

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91	Microwave spectra and electric dipole moments of χ^1_1 VO and NbO. Journal of Molecular Spectroscopy, 1991, 148, 114-122.	0.4	59
92	Molecular-beam optothermal spectrum of the OH stretching band of methanol. Journal of Molecular Spectroscopy, 1991, 147, 155-172.	0.4	43
93	Molecular-beam optothermal spectroscopy of the $9.6\text{-}\frac{1}{4}\text{m}$ $\frac{1}{2}14$ band of benzene. Journal of Molecular Spectroscopy, 1991, 147, 513-520.	0.4	35
94	Optothermal-detected microwave-sideband CO ₂ laser spectroscopy of Ar-NH ₃ . Journal of Chemical Physics, 1991, 94, 7061-7067.	1.2	32
95	Rotational spectrum and structure of the complex Ar-CH ₃ CN. Journal of Chemical Physics, 1991, 94, 5306-5312.	1.2	14
96	Microwave spectrum and electric dipole moment of Ne-HF. Journal of Molecular Spectroscopy, 1990, 140, 141-146.	0.4	7
97	Microwave spectrum of Ar-H ₂ O: Dipole moment, isotopic studies, and ¹⁷ O quadrupole coupling constants. Journal of Molecular Spectroscopy, 1990, 144, 97-112.	0.4	87
98	Pulsed-nozzle Fourier-transform microwave spectroscopy of laser-evaporized metal oxides: Rotational spectra and electric dipole moments of YO, LaO, ZrO, and HfO. Journal of Chemical Physics, 1990, 92, 4724-4733.	1.2	129
99	Parity doubling in the infrared spectrum of NO-HF. Journal of Chemical Physics, 1990, 93, 2992-3004.	1.2	45
100	Infrared and microwave study of angular-radial coupling effects in Ar-HCN. Journal of Chemical Physics, 1989, 91, 3319-3326.	1.2	43
101	Microwave and infrared electric-resonance optothermal spectroscopy of HF-HCl and HCl-HF. Journal of Chemical Physics, 1989, 91, 637-645.	1.2	82
102	Infrared and microwave spectra of OCO-HF and SCO-HF. Journal of Chemical Physics, 1989, 90, 1330-1336.	1.2	49
103	Vibrational exchange upon interconversion tunneling in (HF) ₂ and (HCCH) ₂ . Journal of Chemical Physics, 1989, 90, 2097-2108.	1.2	62
104	Microwave electric-resonance optothermal spectroscopy of (H ₂ O) ₂ . Journal of Chemical Physics, 1989, 90, 6077-6085.	1.2	94
105	Microwave spectrum, structure, and electric dipole moment of Ar-CH ₃ OH. Journal of Molecular Spectroscopy, 1989, 137, 127-137.	0.4	81
106	Microwave spectrum of (D ₂ O) ₂ . Journal of Molecular Spectroscopy, 1989, 138, 440-449.	0.4	35
107	Electric-resonance optothermal spectrum of (H ₂ O) ₂ : Microwave spectrum of the K = 1-0 subband for the E ₂ ± states. Journal of Molecular Spectroscopy, 1989, 137, 244-247.	0.4	25
108	Vibrational predissociation in the H-F stretching mode of HF-DF. Journal of Chemical Physics, 1989, 91, 633-636.	1.2	25

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109	Microwave spectrum of the CH ₃ OH-NH ₃ complex. <i>Chemical Physics</i> , 1988, 125, 31-43.	0.9	30
110	Microwave spectrum and ¹⁴ N quadrupole coupling constants of indole. <i>Journal of Molecular Spectroscopy</i> , 1988, 127, 472-480.	0.4	55
111	Electric-dipole moments of H ₂ O-formamide and CH ₃ OH-formamide. <i>Journal of Molecular Structure</i> , 1988, 189, 165-172.	1.8	19
112	Microwave spectrum and ¹⁴ N quadrupole coupling constants of carbazole. <i>Journal of Molecular Structure</i> , 1988, 190, 135-141.	1.8	19
113	Structure and vibrational dynamics of the CO ₂ dimer from the sub-Doppler infrared spectrum of the 2.7 μ m Fermi diad. <i>Journal of Chemical Physics</i> , 1988, 88, 2185-2195.	1.2	150
114	Infrared and microwave investigations of interconversion tunneling in the acetylene dimer. <i>Journal of Chemical Physics</i> , 1988, 89, 6028-6045.	1.2	130
115	Fragmentation of NH ₃ dimers by electron impact ionization. <i>Journal of Chemical Physics</i> , 1988, 88, 3028-3031.	1.2	25
116	Molecular beam spectrum of the highly perturbed C-H stretching region of fluoroform. <i>Journal of Chemical Physics</i> , 1988, 89, 2720-2728.	1.2	30
117	Microwave spectrum, structure, and electric dipole moment of the Ar-formamide van der Waals complex. <i>Journal of Chemical Physics</i> , 1988, 89, 6141-6146.	1.2	21
118	Vibrational, rotational, and tunneling dependence of vibrational predissociation in the HF dimer. <i>Journal of Chemical Physics</i> , 1988, 89, 6636-6643.	1.2	81
119	The microwave spectrum of formamide-water and formamide-methanol complexes. <i>Journal of Chemical Physics</i> , 1988, 88, 722-729.	1.2	161
120	Vibrational predissociation in the CO ₂ dimer and trimer and rare gas-CO ₂ complexes. <i>Journal of Chemical Physics</i> , 1988, 89, 100-109.	1.2	79
121	Isotope effects in the high-resolution infrared spectrum of OC-HF. <i>Journal of Chemical Physics</i> , 1988, 88, 4147-4152.	1.2	30
122	Optothermal-infrared and pulsed-nozzle Fourier-transform microwave spectroscopy of rare gas-CO ₂ complexes. <i>Journal of Chemical Physics</i> , 1988, 88, 6157-6167.	1.2	117
123	Ammonia dimer: Further structural studies. <i>Journal of Chemical Physics</i> , 1987, 87, 6364-6372.	1.2	111
124	Sub-Doppler infrared spectrum of the carbon dioxide trimer. <i>Journal of Chemical Physics</i> , 1987, 87, 1502-1508.	1.2	125
125	Nearly free internal rotation in Ar-CH ₃ Cl. <i>Journal of Chemical Physics</i> , 1987, 86, 3107-3114.	1.2	36
126	Rotational spectrum and structure of H ₂ CO-HCl. <i>Journal of Molecular Spectroscopy</i> , 1987, 126, 200-209.	0.4	35

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127	Does Ammonia Hydrogen Bond?. <i>Science</i> , 1987, 238, 1670-1674.	6.0	148
128	The rotational spectra of NH ₃ -CO and NH ₃ -N ₂ . <i>Journal of Chemical Physics</i> , 1986, 84, 2472-2480.	1.2	55
129	van der Waals potentials from the infrared spectra of rare gas-HF complexes. <i>Journal of Chemical Physics</i> , 1986, 85, 2502-2515.	1.2	178
130	Rotational spectrum and structure of CF ₃ H-NH ₃ . <i>Journal of Chemical Physics</i> , 1986, 84, 5983-5988.	1.2	92
131	The microwave spectrum of the K=0 states of Ar-NH ₃ . <i>Journal of Chemical Physics</i> , 1986, 85, 5512-5518.	1.2	86
132	The rotational spectrum, barrier to internal rotation, and structure of NH ₃ -N ₂ O. <i>Journal of Chemical Physics</i> , 1985, 83, 5442-5449.	1.2	39
133	Ammonia dimer: A surprising structure. <i>Journal of Chemical Physics</i> , 1985, 83, 6201-6208.	1.2	164
134	Electric dipole moments of HF-C ₂ H ₂ , HF-C ₂ H ₄ , and HF-C ₃ H ₆ . <i>Journal of Chemical Physics</i> , 1985, 82, 4483-4485.	1.2	26
135	<i>Chemical Physics</i> , 1985, 82, 2535-2546.	1.2	176
136	The microwave and radio frequency rotation-inversion spectrum of (SO ₂) ₂ . <i>Journal of Chemical Physics</i> , 1985, 83, 945-949.	1.2	50
137	Absorber speed dependence of the coherence relaxation rate of the J=0-1 transition of N ₂ O. <i>Journal of Chemical Physics</i> , 1985, 83, 5687-5689.	1.2	7
138	The structure of NH ₃ -acetylene. <i>Journal of Chemical Physics</i> , 1984, 80, 1423-1426.	1.2	136
139	Microwave and radiofrequency Stark spectrum of ArHCN: A highly nonrigid molecule. <i>Journal of Chemical Physics</i> , 1984, 81, 4922-4931.	1.2	84
140	The rotational spectrum and structure of NH ₃ -HCN. <i>Journal of Chemical Physics</i> , 1984, 80, 3073-3077.	1.2	92
141	Rotational spectrum and structure of the complex HCNCO ₂ . <i>Journal of Chemical Physics</i> , 1984, 80, 1039-1046.	1.2	129
142	The rotational spectrum, internal rotation, and structure of NH ₃ -CO ₂ . <i>Journal of Chemical Physics</i> , 1984, 81, 2577-2584.	1.2	85
143	Electric dipole moment of ² OH and OD in several vibrational states. <i>Canadian Journal of Physics</i> , 1984, 62, 1502-1507.	0.4	68
144	Rotational spectroscopy of molecular complexes of boron fluoride with ethanedinitrile, carbon dioxide, and nitrous oxide. <i>Journal of the American Chemical Society</i> , 1984, 106, 897-899.	6.6	46

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145	Quasiclassical trajectory calculations and quantal wave packet calculations for vibrational energy transfer at energies above the dissociation threshold. <i>Journal of Chemical Physics</i> , 1980, 73, 5726-5733.	1.2	34
146	Quasiclassical trajectory studies of vibrational enhancement of collision-induced dissociation in collinear collisions. <i>Chemical Physics Letters</i> , 1979, 68, 359-363.	1.2	15