Trevor J Sears

List of Publications by Year in descending order

189 papers	5,256 citations	87401 40 h-index	150775 59 g-index
207 all docs	207 docs citations	207 times ranked	2367 citing authors

#	Article	IF	Citations
1	The 1.66ÂÎ¼m spectrum of the ethynyl radical, CCH. Journal of Molecular Spectroscopy, 2021, 376, 111404.	0.4	0
2	Re-evaluation of ortho-para-dependence of self pressure-broadening in the Î½ 1 + Î½ 3 band of acetylene. Journal of Chemical Physics, 2021, 154, 054305.	1.2	3
3	Spectral normalization in dual-comb spectroscopy of acetylene using a sealed gas cell and a liquid nitrogen trap. Journal of the Optical Society of America B: Optical Physics, 2021, 38, 1024.	0.9	3
4	Electric-field-dependent g factor for the ground state of lead monofluoride, PbF. Physical Review A, 2021, 104, .	1.0	1
5	Kinetic study of the OH + ethylene reaction using frequencyâ€modulated laser absorption spectroscopy. International Journal of Chemical Kinetics, 2019, 51, 412-421.	1.0	8
6	Investigating the photodissociation of H2O2 using frequency modulation laser absorption spectroscopy to monitor radical products. Chemical Physics Letters, 2018, 711, 148-151.	1.2	3
7	Frequency measurements and self-broadening of sub-Doppler transitions in the v1 + v3 band of C2H2. Journal of Chemical Physics, 2018, 149, 154308.	1.2	14
8	Analysis of the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si75.gif" overflow="scroll"><mml:mrow><mml:mover accent="true"><mml:mrow><mml:mi>A</mml:mi></mml:mrow><mml:mrow><mml:mo stretchy="true">â^¼</mml:mo></mml:mrow></mml:mover><mml:mo>-</mml:mo><mml:mover accent="true"><mml:mrow><mml:mi>X</mml:mi></mml:mrow><mml:mrow><mml:mo stretchy="true">â^¼</mml:mo></mml:mrow></mml:mover></mml:mrow> transition dipole moment for the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si25.gif" overflow="scroll"><mml:mrow><mml:msub><mml:mrow><mml:mi>Î½</mml:mi></mml:mrow><mml:mrow><mml:mn>1</mml:mn></mml:mrow></mml:msub></mml:mrow> band of acetylene measured with dual-comb Fourier-transform spectroscopy. Journal of Molecular Spectroscopy, 2017, 341, 10-16.	0.4	2
9	Iwakuni et al . Reply:. Physical Review Letters, 2017, 119, 069402.	2.9	3
10	Detection and characterization of singly deuterated silylene, SiHD, via optical spectroscopy. Journal of Chemical Physics, 2016, 144, 244304.	1.2	12
11	The near-infrared spectrum of ethynyl radical. Journal of Chemical Physics, 2016, 145, 074306.	1.2	5
12	Ortho-Para-Dependent Pressure Effects Observed in the Near Infrared Band of Acetylene by Dual-Comb Spectroscopy. Physical Review Letters, 2016, 117, 143902.	2.9	25
13	Quadrupole splittings in the near-infrared spectrum of 14NH3. Journal of Chemical Physics, 2016, 145, 144302.	1.2	8
14	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
15	Photo-assisted intersystem crossing: The predominant triplet formation mechanism in some isolated polycyclic aromatic molecules excited with pulsed lasers. Journal of Chemical Physics, 2015, 143, 044305.	1.2	4
16	Application of the Hartmannâ€“Tran profile to precise experimental data sets of 12C2H2. Journal of Quantitative Spectroscopy and Radiative Transfer, 2015, 165, 28-37.	1.1	19
17	Doppler-Resolved Kinetics of Saturation Recovery. Journal of Physical Chemistry A, 2015, 119, 7439-7450.	1.1	5
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19	Ultra-broadband dual-comb spectroscopy across 1.0â€“1.9 Âµm. Applied Physics Express, 2015, 8, 082402.	1.1	134
20	Frequency-comb referenced spectroscopy of v4- and v5-excited hot bands in the 1.5 Î¼m spectrum of C2H2. Journal of Molecular Spectroscopy, 2015, 316, 64-71.	0.4	29
21	Collinear two-color saturation spectroscopy in CN Aâ€“X (1â€“0) and (2â€“0) bands. Journal of Molecular Spectroscopy, 2014, 296, 36-42.	0.4	3
22	Enhancement of Triplet Stability in Benzene by Substituents with Triple Bonds. Journal of Physical Chemistry A, 2013, 117, 7786-7793.	1.1	2
23	Argon-Induced Pressure Broadening, Shifting, and Narrowing in the CN A²Îâ€“X²Îź⁺ (1â€“0) Band. Journal of Physical Chemistry A, 2013, 117, 11837-11846.	1.1	9
24	Temperature-Dependent, Nitrogen-Perturbed Line Shape Measurements in the Î½₁ + Î½₃ Band of Acetylene Using a Diode Laser Referenced to a Frequency Comb. Journal of Physical Chemistry A, 2013, 117, 13908-13918.	1.1	14
25	An experimental and theoretical study of the electronic spectrum of HPS, a second row HNO analog. Journal of Chemical Physics, 2013, 139, 174306.	1.2	9
26	What Is the Best DFT Functional for Vibronic Calculations? A Comparison of the Calculated Vibronic Structure of the S₁â€“S₀ Transition of Phenylacetylene with Cavity Ringdown Band Intensities. Journal of Physical Chemistry A, 2012, 116, 6750-6758.	1.1	27
27	Temperature-dependent pressure broadened line shape measurements in the Î½ 1+Î½ 3 band of acetylene using a diode laser referenced to a frequency comb. Applied Physics B: Lasers and Optics, 2012, 109, 373-384.	1.1	21
28	Hyperfine structures in the v=1â€“0 vibrational band of the of N2. Journal of Molecular Spectroscopy, 2012, 282, 50-55.	0.4	4
29	CH2bÌƒ1B1â^'aÌƒ1A1Band Origin at 1.20 Î¼m. Journal of Physical Chemistry A, 2011, 115, 9440-9446.	1.1	7
30	Characterization of the groundX1state of204Pb19F,206Pb19F,207Pb19F, and208Pb19F. Physical Review A, 2011, 84, .	1.0	23
31	Transient laser absorption spectroscopy of CH2 near 780 nm. Journal of Molecular Spectroscopy, 2011, 267, 50-57.	0.4	5
32	Frequency comb-referenced measurements of self- and nitrogen-broadening in the Î½1+Î½3 band of acetylene. Journal of Molecular Spectroscopy, 2011, 266, 43-51.	0.4	22
33	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>	1.0	16
34	Spectroscopic Determination of the single-triplet splitting in methylene. Bulletin Des SociÃ©tÃ©s Chimiques Belges, 2010, 92, 499-524.	0.0	3
35	Spectroscopic constants of the known electronic states of lead monofluoride. Journal of Molecular Spectroscopy, 2010, 262, 89-92.	0.4	7
36	Pseudo-continuous resonance enhanced multiphoton ionisation: application to the determination of the hyperfine constants of²⁰⁸Pb¹⁹F. Molecular Physics, 2010, 108, 927-935.	0.8	10

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37	Effect of Laser Injection Seeder on Rotationally Resolved Spectra of Benzonitrile. Chinese Physics Letters, 2010, 27, 083301.	1.3	0
38	Sub-Doppler spectroscopy of mixed state levels in CH2. Journal of Chemical Physics, 2010, 133, 144310.	1.2	3
39	Vibronic Analysis of the S₁â^'S₀ Transition of Phenylacetylene Using Photoelectron Imaging and Spectral Intensities Derived from Electronic Structure Calculations. Journal of Physical Chemistry A, 2010, 114, 8262-8270.	1.1	12
40	The halocarbenes: model systems for understanding the spectroscopy, dynamics and chemistry of carbenes. International Reviews in Physical Chemistry, 2009, 28, 435-480.	0.9	45
41	Sub-Doppler laser absorption spectroscopy of the A2Îiâ^'X2Î£+ (1,0) band of CN: Measurement of the 14N hyperfine parameters in A2Î CN. Journal of Molecular Spectroscopy, 2009, 253, 122-128.	0.4	14
42	Sub-Doppler Stark Spectroscopy in the Aâ^'X (1,0) Band of CN. Journal of Physical Chemistry A, 2009, 113, 13342-13346.	1.1	6
43	State Mixing and Predissociation in the cÌƒ â†•Ã£ Band System of Singlet Methylene Studied by Opticalâ^'Optical Double Resonance. Journal of Physical Chemistry A, 2008, 112, 9248-9254.	1.1	8
44	Fate of Excited States in Jet-Cooled Aromatic Molecules:â€‰ Bifurcating Pathways and Very Long Lived Species from the S₁ Excitation of Phenylacetylene and Benzonitrile. Journal of Physical Chemistry A, 2008, 112, 1195-1201.	1.1	10
45	The Zeeman Effect on Lines in the (1,0) Band of theF4Î"â€"X4Î" Transition of the FeH Radical. Astrophysical Journal, 2008, 679, 854-861.	1.6	14
46	AC Stark detection of opticalâ€"optical double resonance in CH2. Physical Chemistry Chemical Physics, 2006, 8, 2823-2825.	1.3	8
47	Photoinduced Rydberg Ionization Spectroscopy of Phenylacetylene:Â Vibrational Assignments of the CÌƒ State of the Cation. Journal of Physical Chemistry A, 2006, 110, 7822-7825.	1.1	6
48	A clue to the diffuse structure in ultraviolet spectra of the GeCl2 A-X transition. Journal of Chemical Physics, 2006, 125, 114316.	1.2	2
49	The calculation of vibrational intensities in forbidden electronic transitions. Journal of Chemical Physics, 2006, 125, 164330.	1.2	18
50	Rotationally resolved spectrum of the band of HCBr. Journal of Molecular Spectroscopy, 2006, 235, 125-131.	0.4	19
51	Observation of the state of CH2 by opticalâ€"optical double resonance. Journal of Molecular Spectroscopy, 2006, 240, 269-271.	0.4	11
52	Photoinduced Rydberg ionization spectroscopy of the BÌƒ state of benzonitrile cation. Journal of Chemical Physics, 2006, 125, 164331.	1.2	7
53	Hot bands in jet-cooled and ambient temperature spectra of chloromethylene. Journal of Chemical Physics, 2006, 124, 074314.	1.2	21
54	State-resolved thermalization of singlet and mixed singlet-triplet states of CH2. Journal of Chemical Physics, 2006, 125, 084308.	1.2	19

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55	Potential energy surfaces and vibrational energy levels of DCCl and HCCl in three low-lying states. Molecular Physics, 2006, 104, 47-53.	0.8	17
56	The spectrum of CH2 near 1.36 and 0.92Î¼m: Reevaluation of rotational level structure and perturbations in aÌƒ(010). Journal of Chemical Physics, 2006, 124, 184320.	1.2	6
57	Observation of the cÌƒA11 state of methylene by optical-optical double resonance. Journal of Chemical Physics, 2005, 123, 024306.	1.2	17
58	Doppler-Resolved Spectroscopy as an Assignment Tool in the Spectrum of Singlet Methyleneâ€. Journal of Physical Chemistry A, 2004, 108, 7922-7927.	1.1	13
59	Photodissociation of Bromoform at 248 nm:â€‰ Single and Multiphoton Processes. Journal of Physical Chemistry A, 2004, 108, 1482-1488.	1.1	53
60	Hot bands in the spectrum of HCBr. Journal of Molecular Spectroscopy, 2003, 219, 136-144.	0.4	26
61	Vibrational energy levels of methyl cation. Journal of Chemical Physics, 2002, 117, 666-669.	1.2	18
62	A K-dependent adiabatic approximation to the Rennerâ€“Teller effect for triatomic molecules. Journal of Chemical Physics, 2002, 116, 1435-1442.	1.2	25
63	The E3Îâ€“X3Î” Transition of Jet-Cooled TiO Observed in Absorption. Journal of Molecular Spectroscopy, 2002, 212, 133-141.	0.4	19
64	Axis-Switching and Coriolis Coupling in the Ãƒ(010)â€“XÌƒ(000) Transitions of DCCl and HCCl. Journal of Molecular Spectroscopy, 2002, 214, 216-224.	0.4	32
65	A theoretical study of the potential energy surface for the reaction OH+COâ†'H+CO2. Chemical Physics Letters, 2001, 349, 547-554.	1.2	142
66	Absorption spectroscopy of singlet CH₂ near 11â€‚200 cm^{Â–1}. Canadian Journal of Physics, 2001, 79, 347-358.	0.4	6
67	Experimental and theoretical studies of the near-infrared spectrum of bromomethylene. Journal of Chemical Physics, 2001, 115, 5433-5444.	1.2	39
68	Near-Infrared Spectroscopy of Bromomethylene in a Slit-Jet Expansion. Journal of Molecular Spectroscopy, 2000, 202, 131-143.	0.4	41
69	Transient frequency modulation absorption spectroscopy of molecules produced in a laser ablation supersonic expansion source. Chemical Physics Letters, 2000, 319, 363-367.	1.2	15
70	Absorption Spectroscopy of Singlet CH2near 9500 cm-1â€. Journal of Physical Chemistry A, 2000, 104, 10119-10124.	1.1	18
71	Infrared spectrum of the CH2 out-of-plane fundamental of C2H5. Journal of Chemical Physics, 1999, 111, 9213-9221.	1.2	27
72	Repetitively sampled time-of-flight mass spectrometry for gas-phase kinetics studies. Review of Scientific Instruments, 1999, 70, 3259-3264.	0.6	23

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73	Vibrational effects on the torsional motion of ethyl radical. Journal of Chemical Physics, 1999, 111, 9222-9226.	1.2	20
74	The Far-Infrared Laser Magnetic Resonance Spectrum of CH2F. Journal of Molecular Spectroscopy, 1999, 195, 43-53.	0.4	6
75	Vibronic Reassignment of theÃƒ1Aâ€²â€² â†Xìƒ1Aâ€² Band System of Bromomethylene. Journal of Molecular Spectroscopy, 1999, 195, 367-370.	0.4	23
76	Hot band spectroscopy of DCBr near 0.96 Î¼m. Molecular Physics, 1999, 97, 185-193.	0.8	11
77	Kinetics and Product Study of the Reaction of CH3Radicals with O(3P) Atoms Using Time Resolved Time-of-Flight Spectrometry. Journal of Physical Chemistry A, 1999, 103, 5722-5731.	1.1	39
78	Near-Infrared High Resolution Diode Laser Spectrum of the CH2bìƒ1B1â†Ã£1A1Transition. Journal of Molecular Spectroscopy, 1998, 187, 119-125.	0.4	19
79	Laser Transient Absorption Spectroscopy of Bromomethylene. Journal of Molecular Spectroscopy, 1998, 188, 68-77.	0.4	37
80	Near-infrared spectroscopy of CH2 by frequency modulated diode laser absorption. Journal of Chemical Physics, 1998, 109, 3431-3442.	1.2	28
81	Diode laser measurements of CD3 quantum yields and internal energy for the dissociation of dimethyl sulfoxide-d6. Journal of Chemical Physics, 1997, 106, 1346-1352.	1.2	10
82	CN radical reaction rate measurements by time-resolved FM spectroscopy. , 1997, 29, 127-129.		24
83	High-Resolution Infrared Diode Laser Spectroscopy ofX2Î CCl. Journal of Molecular Spectroscopy, 1997, 182, 189-194.	0.4	21
84	Mid-Infrared Diode Laser Spectroscopy ofXìƒ1Aâ€² HC35Cl. Journal of Molecular Spectroscopy, 1997, 183, 341-346.	0.4	29
85	High-Resolution Infrared Diode Laser Spectroscopy of CBr. Journal of Molecular Spectroscopy, 1997, 184, 413-433.	0.4	35
86	The N2pressure broadening coefficient of the J = 1 â†•0 transition of Â¹H35Cl measured by tunable far infrared (TuFIR) spectroscopy. Geophysical Research Letters, 1996, 23, 1945-1947.	1.5	5
87	Transient frequency-modulation absorption spectroscopy of free radicals in supersonic free jet expansions. Chemical Physics Letters, 1996, 256, 288-292.	1.2	13
88	Comment on â€œenergy partitioning in photodissociation of methyl, ethyl, and n-propyl iodides at 304 nmâ€• Chemical Physics, 1996, 211, 515-516.	0.9	4
89	Measurement of the Î½3 fundamental transition moment and vibrational relaxation rates of the CD3 radical. Journal of Chemical Physics, 1996, 105, 7889-7895.	1.2	11
90	High resolution nearâ€infrared electronic spectroscopy of HCBr. Journal of Chemical Physics, 1996, 105, 2135-2140.	1.2	43

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91	Infrared laser transient absorption spectroscopy of the ethyl radical. Journal of Chemical Physics, 1996, 104, 781-792.	1.2	44
92	Frequency-modulation transient absorption spectrum of the HCCl A<--X transition. , 1995, , .		0
93	Rotationally Resolved Near-Infrared Spectrum of the HCCl Ãƒ1Aâ€³ â†•XÌƒ1Aâ€² Transition. Journal of Molecular Spectroscopy, 1995, 173, 391-403.	0.4	35
94	Very-Low-Temperature Infrared Laser Absorption Spectroscopy of N2O, NO, and NO2. Journal of Molecular Spectroscopy, 1995, 173, 442-451.	0.4	11
95	Frequency-modulation transient absorption spectrum of the HCCl Ãƒ1Aâ€²â€²(0,0,0)â†•XÌƒ1Aâ€²(0,0,0) transition. Journal of Chemical Physics, 1995, 102, 6347-6353.	1.2	45
96	STUDIES OF THE RENNERâ€“TELLER EFFECT IN NCO BY SEP SPECTROSCOPY. Advanced Series in Physical Chemistry, 1995, , 223-249.	1.5	1
97	Far infrared laser magnetic resonance detection of CHD (XÌƒâ€‰3Aâ€˜). Journal of Chemical Physics, 1994, 100, 8706-8712.	1.2	6
98	Nearâ€infrared vibronic spectrum of the CH2 bÌƒâ€‰1B1â†aÌƒâ€‰1A1 transition. Journal of Chemical Physics, 1994, 101, 9236-9245.	1.2	47
99	Comment on â€˜â€˜The Î½1+Î½3 combination mode of C3 in Ar and Kr matrices: Evidence for a bent structureâ€™â€™ [J. Chem. Phys. 99, 7371 (1993)]. Journal of Chemical Physics, 1994, 101, 5413-5413.	1.2	6
100	Far-Infrared Laser Magnetic Resonance of XÌƒ2Aâ€² trans-DOCO. Journal of Molecular Spectroscopy, 1994, 165, 137-149.	0.4	14
101	Far-Infrared Laser Magnetic Resonance Spectroscopy of CH2Cl (XÌƒ2B1). Journal of Molecular Spectroscopy, 1994, 168, 136-146.	0.4	15
102	Timeâ€resolved frequency modulation spectroscopy of photochemical transients. Journal of Chemical Physics, 1994, 101, 1717-1720.	1.2	52
103	Stimulated emission pumping spectroscopy of2Î£ and2Ï€ vibronic levels in [Xtilde](v1v20)2Ï€ NCO. Molecular Physics, 1994, 82, 503-521.	0.8	14
104	<title>Infrared and near infrared transient absorption spectroscopy of molecular free radicals</title>. , 1994, 2124, 219.		0
105	Laser-induced fluorescence spectroscopy of the jet-cooled HNCN radical. Journal of the Chemical Society, Faraday Transactions, 1993, 89, 615.	1.7	16
106	bâ€dipole transitions in transâ€HOCO observed by far infrared laser magnetic resonance. Journal of Chemical Physics, 1993, 98, 6624-6631.	1.2	49
107	Stimulated emission pumping spectroscopy of CH3O (XÌƒâ€‰2E, Î½6): New observations on the Jahnâ€“Teller effect. Journal of Chemical Physics, 1993, 98, 4297-4300.	1.2	38
108	Fourierâ€transform spectrophotometer for timeâ€resolved emission measurements using a 100â€point transient digitizer. Review of Scientific Instruments, 1993, 64, 95-102.	0.6	13

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109	<title>Laser spectroscopy of chemically reactive species</title>. , 1993, 1858, 61.		0
110	Study of Rennerâ€“Teller, spinâ€“orbit, and Fermiâ€•resonance interactions inXÌƒâ€‰2Î (v1v20) levels of NCO by stimulated emission pumping spectroscopy. Journal of Chemical Physics, 1992, 97, 4583-4595.	1.2	32
111	Measurement of (00v3) levels inXâ€‰2Î NCO by stimulated emission pumping spectroscopy. Journal of Chemical Physics, 1992, 96, 7218-7228.	1.2	27
112	Transient diode laser absorption spectroscopy of the Î½2 fundamental of transâ€HOCO and DOCO. Journal of Chemical Physics, 1992, 97, 3996-4007.	1.2	90
113	The rotational spectrum of transâ€HOCO and DOCO. Journal of Chemical Physics, 1992, 97, 3989-3995.	1.2	60
114	Stimulated Emission Pumping: Applications to Highly Vibrationally Excited Transient Molecules. Annual Review of Physical Chemistry, 1992, 43, 127-152.	4.8	54
115	High resolution fourier transform spectroscopy using infrared synchrotron radiation: I. Instrumentation. Journal of Infrared, Millimeter and Terahertz Waves, 1992, 13, 275-287.	0.6	1
116	A high resolution interferometer for use with synchrotron radiation. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1992, 319, 384-386.	0.7	1
117	FIR LMR spectra of FO2: Some classic examples of level anticrossing resonances. Chemical Physics, 1991, 152, 281-292.	0.9	6
118	Avoided crossings in the far-infrared laser magnetic resonance spectrum of HCO. Journal of Molecular Spectroscopy, 1991, 148, 20-37.	0.4	38
119	A semirigid bender analysis of an extensive set of rotation-vibration levels in. Journal of Molecular Spectroscopy, 1991, 145, 74-88.	0.4	38
120	Far infrared laser frequencies of CH3OD and N2H4. Journal of Infrared, Millimeter and Terahertz Waves, 1991, 12, 1161-1166.	0.6	12
121	Photodissociation of acetone at 193 nm: Rotationalâ€•and vibrationalâ€•state distributions of methyl fragments by diode laser absorption/gain spectroscopy. Journal of Chemical Physics, 1991, 94, 4182-4188.	1.2	54
122	Photodissociation of RNCS and RSCN (R=H, CH3, C2H5) at 248 and 193 nm: CN product energy distributions. Journal of Chemical Physics, 1990, 93, 2346-2356.	1.2	15
123	Photodissociation of RNCS and RSCN (R=H, CH3, C2H5) : Evidence for an excited state isomerization and energy deposition in the NCS product. Journal of Chemical Physics, 1990, 93, 2337-2345.	1.2	25
124	Infrared diode laser spectroscopy of the Î½3 fundamental of the CD3 radical. Journal of Chemical Physics, 1990, 92, 7021-7026.	1.2	22
125	Renner-Teller, spin-orbit and Fermi-resonance interactions in X 2Î NCS investigated by LIF spectroscopy. Molecular Physics, 1990, 71, 45-64.	0.8	57
126	Stimulated-emission pumping spectroscopy study of jet-cooled C_3: pure bending levels and bendâ€“symmetric-stretch combination levels of XËœ^1Î£g+. Journal of the Optical Society of America B: Optical Physics, 1990, 7, 1924.	0.9	48

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127	Dynamics of NCS formation from photolysis of RNCS. AIP Conference Proceedings, 1989, , .	0.3	0
128	Laserâ€induced fluorescence spectroscopy of NCS in a free jet expansion. Journal of Chemical Physics, 1989, 91, 762-774.	1.2	43
129	Dissociation of CD3I at 248 nm studied by diode laser absorption spectroscopy. Journal of Chemical Physics, 1989, 90, 6234-6242.	1.2	40
130	Rotational populations in OD formed in the reaction O(1D)+D2 investigated by infrared rotational absorption spectroscopy. Journal of Chemical Physics, 1989, 91, 5201-5207.	1.2	13
131	Extended measurements of the Î½2 band of CD3 and the determination of the vibrational potential function for methyl. Journal of Chemical Physics, 1989, 90, 2125-2133.	1.2	43
132	The microwave spectrum of the FO2radical. Molecular Physics, 1989, 67, 1033-1051.	0.8	21
133	Observation of stimulated emission pumping spectra of jet-cooled NCS and C3. Chemical Physics Letters, 1989, 159, 421-425.	1.2	36
134	Probing chemical reaction dynamics by rotational spectroscopy: The OH rotational distribution in the reaction H+O2â†'OH+O. Chemical Physics Letters, 1989, 158, 184-188.	1.2	6
135	The absence of interstellar HCCO and the Bates dissociative recombination theory. Astrophysical Journal, 1989, 340, 900.	1.6	15
136	Diode laser spectroscopy of the Î½2 band of CD3. Journal of Chemical Physics, 1988, 88, 5300-5306.	1.2	32
137	Energy transfer from highly vibrationally excited azulene and azuleneâ€d8 to carbon dioxide. Journal of Chemical Physics, 1988, 89, 2015-2022.	1.2	34
138	Measurement of the Renner-Teller effect inX2Î CO2+by diode laser absorption. Molecular Physics, 1987, 62, 919-937.	0.8	41
139	Laser induced fluorescence study of the BÌƒâ€‰2B2â†'XÌƒâ€‰2A2 transition of the furan cation in a supersonic free jet expansion. Journal of Chemical Physics, 1987, 87, 4435-4446.	1.2	21
140	Infrared absorption spectroscopy of molecular ions using tunable lasers. Journal of the Chemical Society, Faraday Transactions 2, 1987, 83, 111.	1.1	22
141	Infrared diode-laser measurements of some atomic helium (^4He i 1s nl) fine-structure transitions. Journal of the Optical Society of America B: Optical Physics, 1986, 3, 1037.	0.9	10
142	Observation of the v2band of CO+2by diode laser absorption. Molecular Physics, 1986, 59, 259-274.	0.8	43
143	Infrared diode laser spectroscopy of the Î½2(2+ â†•1âˆ") band of H3O+. Chemical Physics, 1986, 108, 335-341.	0.9	32
144	Rotational spectroscopy of DO2 by FIR LMR and millimeter-wave absorption. Journal of Molecular Spectroscopy, 1986, 118, 103-120.	0.4	1

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145	Infrared rotational transitions in CH2 XÌƒâ€‰3B1 observed by diode laser absorption. Journal of Chemical Physics, 1986, 85, 3711-3715.	1.2	24
146	The calculated Î½2 (inversion) spectrum of H3O+. Journal of Chemical Physics, 1986, 84, 1312-1316.	1.2	56
147	Interstellar molecular line searches at 1.5 centimeters. Astrophysical Journal, 1986, 300, 766.	1.6	33
148	Emission spectra in a supersonic expansion: the quartet system of NO and the SchÃ¼ler band of ND4. Chemical Physics Letters, 1985, 113, 129-134.	1.2	30
149	Diode laser absorption spectroscopy of D3O+: Determination of the equilibrium structure and potential function of the oxonium ion. Journal of Chemical Physics, 1985, 83, 2676-2685.	1.2	74
150	Detection of the bending fundamental band of DN+2 by diode laser absorption spectroscopy. Journal of Chemical Physics, 1985, 82, 5757-5758.	1.2	14
151	Vâ€“V energy transfer from highly vibrationally excited azulene to CO2. Journal of Chemical Physics, 1985, 83, 6049-6050.	1.2	16
152	Analysis of the laser photoelectron spectrum of CHâ¯2. Journal of Chemical Physics, 1985, 83, 4866-4876.	1.2	58
153	Infrared and farâ€infrared laser magnetic resonance spectroscopy of the GeH radical: Determination of ground state parameters. Journal of Chemical Physics, 1985, 83, 3275-3284.	1.2	36
154	Observation of the Î½_2 (bending) fundamental of the HN_2^+ ion at 146 micrometers. Journal of the Optical Society of America B: Optical Physics, 1985, 2, 786.	0.9	30
155	Observation of the Î½3 fundamental band of HCO+. Journal of Chemical Physics, 1984, 81, 578-579.	1.2	78
156	The calculation of the energy levels of an asymmetric top free radical in a magnetic field. Computer Physics Reports, 1984, 2, 1-32.	2.3	59
157	ASYTOP - A program for detailed analysis of gas phase magnetic resonance spectra of asymmetric top molecules. Computer Physics Communications, 1984, 34, 123-133.	3.0	70
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