Kevin K Lehmann

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187 7,325 4.1 5.83 ext. papers ext. citations avg, IF L-index

#	Paper	IF	Citations
178	Spectroscopy and dynamics in helium nanodroplets. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2006 , 39, R127-R166	1.3	349
177	Intramolecular Dynamics from Eigenstate-Resolved Infrared Spectra. <i>Annual Review of Physical Chemistry</i> , 1994 , 45, 241-274	15.7	349
176	Helium nanodroplet isolation rovibrational spectroscopy: Methods and recent results. <i>Journal of Chemical Physics</i> , 2001 , 115, 10090	3.9	316
175	Ring-down cavity absorption spectroscopy of the very weak HCN overtone bands with six, seven, and eight stretching quanta. <i>Journal of Chemical Physics</i> , 1993 , 99, 6287-6301	3.9	273
174	On the relation of Child and Lawton harmonically coupled anharmonic Bscillator model and Darling Dennison couplinga). <i>Journal of Chemical Physics</i> , 1983 , 79, 1098-1098	3.9	155
173	Photoinduced Chemical Dynamics of High-Spin Alkali Trimers. <i>Science</i> , 1996 , 273, 629-31	33.3	148
172	Fourier transform spectra of overtone bands of HCN from 5400 to 15100 cm 1 . <i>Journal of Molecular Spectroscopy</i> , 1989 , 134, 134-153	1.3	146
171	The superposition principle and cavity ring-down spectroscopy. <i>Journal of Chemical Physics</i> , 1996 , 105, 10263-10277	3.9	142
170	SUPERFLUID HELIUM: The Ultimate Spectroscopic Matrix?. <i>Science</i> , 1998 , 279, 2065-2066	33.3	127
169	Potential of a neutral impurity in a large 4He cluster. <i>Molecular Physics</i> , 1999 , 97, 645-666	1.7	115
168	Superfluid Hydrodynamic Model for the Enhanced Moments of Inertia of Molecules in Liquid 4He. <i>Physical Review Letters</i> , 1999 , 83, 5058-5061	7.4	108
167	Classical chaos and quantum simplicity: Highly excited vibrational states of HCN. <i>Journal of Chemical Physics</i> , 1982 , 77, 2853-2861	3.9	99
166	Spin Polarized Alkali Clusters: Observation of Quartet States of the Sodium Trimer. <i>Physical Review Letters</i> , 1996 , 77, 4532-4535	7.4	83
165	Where does overtone intensity come from?. <i>Journal of Chemical Physics</i> , 1990 , 93, 6140-6147	3.9	81
164	Evanescent field absorption in a passive optical fiber resonator using continuous-wave cavity ring-down spectroscopy. <i>Chemical Physics Letters</i> , 2004 , 383, 297-303	2.5	80
163	The onset of intramolecular vibrational energy redistribution and its intermediate case: The 1 and 21 molecular beam, optothermal spectra of trifluoropropyne. <i>Journal of Chemical Physics</i> , 1991 , 95, 3891-3916	3.9	78
162	Trace moisture detection using continuous-wave cavity ring-down spectroscopy. <i>Analytical Chemistry</i> , 2003 , 75, 4599-605	7.8	75

161	Martian CH(4): sources, flux, and detection. <i>Astrobiology</i> , 2006 , 6, 377-95	3.7	74	
160	The high-resolution visible overtone spectrum of CH4 and CD3H at 77 K. <i>Journal of Chemical Physics</i> , 1984 , 81, 5319-5325	3.9	74	
159	Alkalifielium exciplex formation on the surface of helium nanodroplets. II. A time-resolved study. Journal of Chemical Physics, 2000 , 113, 9694-9701	3.9	73	
158	Finite size effects and rotational relaxation in superfluid helium nanodroplets: Microwave-infrared double-resonance spectroscopy of cyanoacetylene. <i>Journal of Chemical Physics</i> , 2000 , 113, 4636-4646	3.9	73	
157	Eigenstate resolved infrared/infrared double resonance spectroscopy of the 3 th overtone band of 1-propyne: Intramolecular vibrational energy redistribution into a Coriolis-coupled bath. <i>Journal of Chemical Physics</i> , 1994 , 100, 2612-2622	3.9	73	
156	First overtone helium nanodroplet isolation spectroscopy of molecules bearing the acetylenic CH chromophore. <i>Journal of Chemical Physics</i> , 2000 , 113, 10535-10550	3.9	72	
155	Microwave spectra of HCN and DCN in 4He nanodroplets: A test of adiabatic following. <i>Journal of Chemical Physics</i> , 2000 , 113, 4840	3.9	70	
154	Spectroscopy of Mg atoms solvated in helium nanodroplets. <i>Journal of Chemical Physics</i> , 2000 , 112, 840)9 ₃ &41	6 69	
153	Optimal design of external fields for controlling molecular motion: application to rotation. <i>Journal of Molecular Structure</i> , 1990 , 223, 425-456	3.4	69	
152	AlkaliBelium exciplex formation on the surface of helium nanodroplets. I. Dispersed emission spectroscopy. <i>Journal of Chemical Physics</i> , 2000 , 113, 9686-9693	3.9	68	
151	Sub-Doppler, infrared laser spectroscopy of the propyne 2d band: Evidence of z-axis Coriolis dominated intramolecular state mixing in the acetylenic CH stretch overtone. <i>Journal of Chemical Physics</i> , 1994 , 100, 2596-2611	3.9	68	
150	SpinBrbit effects in the formation of the NaHe excimer on the surface of He clusters. <i>Faraday Discussions</i> , 1997 , 108, 161-174	3.6	67	
149	Cavity ring-down overtone spectroscopy of HCN, H13CN and HC15N. <i>Journal of Chemical Physics</i> , 1995 , 102, 633-642	3.9	67	
148	Modeling the rotational and vibrational structure of the i.r. optical spectrum of NH3. <i>Spectrochimica Acta Part A: Molecular Spectroscopy</i> , 1989 , 45, 47-56		67	
147	Extended line positions, intensities, empirical lower state energies and quantum assignments of NH3 from 6300 to 7000cm ^[] . <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2012 , 113, 1066-1083	2.1	66	
146	The interaction of rotation and local mode tunneling in the overtone spectra of symmetrical hydrides. <i>Journal of Chemical Physics</i> , 1991 , 95, 2361-2370	3.9	65	
145	Beyond the x-K relations. <i>Molecular Physics</i> , 1989 , 66, 1129-1137	1.7	61	
144	Spectroscopy and intramolecular dynamics of highly excited vibrational states of NH3. <i>Journal of the Chemical Society, Faraday Transactions 2</i> , 1988 , 84, 1389		60	

143	Single-cell detection by cavity ring-down spectroscopy. <i>Applied Physics Letters</i> , 2004 , 85, 4523	3.4	59
142	Influence of methyl group deuteration on the rate of intramolecular vibrational energy relaxation. <i>Journal of Chemical Physics</i> , 1993 , 98, 1116-1122	3.9	59
141	The intensities of HCN overtone transitions from 12 600🛮 8 400 cm 🗗 . <i>Journal of Chemical Physics</i> , 1987 , 87, 5649-5656	3.9	58
140	Molecular Structure and Chirality Detection by Fourier Transform Microwave Spectroscopy. <i>Journal of Physical Chemistry Letters</i> , 2015 , 6, 196-200	6.4	56
139	Microwave detected, microwaveDptical double resonance spectra of NO2: A test of HardwickDergodicity conjecture. <i>Journal of Chemical Physics</i> , 1985 , 83, 3290-3296	3.9	56
138	Multiphoton resonance ionization bands in I2 . <i>Journal of Chemical Physics</i> , 1978 , 69, 1569-1573	3.9	56
137	Eigenstate resolved infraredInfrared double-resonance study of intramolecular vibrational relaxation in benzene: First overtone of the CH stretch. <i>Journal of Chemical Physics</i> , 1997 , 106, 432-435	3.9	53
136	Rotational structure of ammonia NH stretch overtones: Five and six quanta bands. <i>Journal of Chemical Physics</i> , 1986 , 84, 5239-5249	3.9	53
135	Intramolecular vibrational redistribution in aromatic molecules. I. Eigenstate resolved CH stretch first overtone spectra of benzene. <i>Journal of Chemical Physics</i> , 2000 , 113, 10583-10596	3.9	52
134	On the importance of exchange effects in three-body interactions: The lowest quartet state of Na3. Journal of Chemical Physics, 2000 , 112, 5751-5761	3.9	52
133	Single and Double Resonance Microwave Spectroscopy in Superfluid H4e Clusters. <i>Physical Review Letters</i> , 1999 , 82, 5036-5039	7.4	52
132	Experimental and ab initio determination of the bending potential of HCP. <i>Journal of Chemical Physics</i> , 1985 , 82, 4460-4469	3.9	50
131	Cavity ringdown strain gauge. <i>Optics Letters</i> , 2004 , 29, 1339-41	3	49
130	Gain-swept superradiance applied to the stand-off detection of trace impurities in the atmosphere. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005 , 102, 7806-11	11.5	49
129	MOLECULAR SPECTROSCOPY:Nanomatrices Are Cool. <i>Science</i> , 2000 , 287, 2429-2430	33.3	49
128	Photoinduced nonadiabatic dynamics in quartet Na3 and K3 formed using helium nanodroplet isolation. <i>Journal of Chemical Physics</i> , 2001 , 115, 10265	3.9	47
127	The rate of intramolecular vibrational energy relaxation of the fundamental CH stretch in (CF3)3CII?CH. <i>Journal of Chemical Physics</i> , 1993 , 98, 1748-1749	3.9	47
126	Reinvestigation of the acetylenic CIII stretching fundamental of propyne via high resolution, optothermal infrared spectroscopy: Nonresonant perturbations to II. <i>Journal of Chemical Physics</i> , 1994, 100, 2588-2595	3.9	44

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125	The intensity and self-broadening of overtone transitions in HCN. <i>Journal of Chemical Physics</i> , 1986 , 85, 4958-4965	3.9	44	
124	Cavity enhanced absorption spectroscopy using a broadband prism cavity and a supercontinuum source. <i>Optics Express</i> , 2008 , 16, 15013-23	3.3	42	
123	On the fallibility of variational calculations: Ab initio versus empirical potential energy functions for HCN. <i>Journal of Chemical Physics</i> , 1991 , 94, 5040-5050	3.9	42	
122	Long-term stability in continuous wave cavity ringdown spectroscopy experiments. <i>Applied Optics</i> , 2010 , 49, 1378-87	0.2	41	
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120	Crossed-beam study of the reactions of H+2 with D2 and D+2 with H2. <i>Chemical Physics</i> , 1976 , 16, 109-1	1 16 3	41	
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117	Noise in cavity ring-down spectroscopy caused by transverse mode coupling. <i>Optics Express</i> , 2007 , 15, 8745-59	3.3	37	
116	Numerical Laplace transform density of states calculation for medium and large molecules. <i>Journal of Chemical Physics</i> , 1993 , 98, 6437-6444	3.9	37	
115	Microwave detected, microwave-optical double resonance of NH3, NH2D, NHD2, and ND3. II. Predissociation dynamics of the 🛮 🖫 tate. <i>Journal of Chemical Physics</i> , 1995 , 102, 4783-4792	3.9	36	
114	Enhanced instability of extreme motion states in propyne: Lifetimes of overtone versus isoenergetic combination states. <i>Journal of Chemical Physics</i> , 1993 , 99, 9314-9317	3.9	36	
113	High power injection seeded optical parametric oscillator. <i>Optics Communications</i> , 1991 , 86, 294-300	2	36	
112	Rotation in liquid 4He: Lessons from a highly simplified model. <i>Journal of Chemical Physics</i> , 2001 , 114, 4643	3.9	35	
111	Microwave detected, microwave-optical double resonance of NH3, NH2D, NHD2, and ND3. I. Structure and force field of the 🛘 🖫 tate. <i>Journal of Chemical Physics</i> , 1995 , 102, 4772-4782	3.9	34	
110	Response to Highly excited states of HCN: The probable applicability of classical dynamics <i>Journal of Chemical Physics</i> , 1983 , 78, 608-609	3.9	34	
109	Observation of highly vibrationally excited X 1 HCP by stimulated emission pumping spectroscopy. <i>Journal of Chemical Physics</i> , 1990 , 93, 2149-2151	3.9	33	
108	UV spectra of benzene isotopomers and dimers in helium nanodroplets. <i>Journal of Chemical Physics</i> , 2004 , 121, 2701-10	3.9	32	

107	Evaporative cooling of helium nanodroplets with angular momentum conservation. <i>Physical Review Letters</i> , 2004 , 92, 173401	7.4	31
106	Millimeter-wave optical double resonance spectra of NO2: How good a quantum number is N?. <i>Journal of Chemical Physics</i> , 1986 , 85, 4297-4303	3.9	30
105	Spontaneous coherent microwave emission and the sawtooth instability in a compact storage ring. <i>Physical Review Special Topics: Accelerators and Beams</i> , 2001 , 4,		29
104	Comment on "Direct deconvolution of extensively perturbed spectra: the singlet-triplet molecular eigenstate spectrum of pyrazine". <i>The Journal of Physical Chemistry</i> , 1991 , 95, 7556-7557		29
103	Energetics and possible formation and decay mechanisms of vortices in helium nanodroplets. <i>Physical Review B</i> , 2003 , 68,	3.3	28
102	Quantum hydrodynamic model for the enhanced moments of inertia of molecules in helium nanodroplets: Application to SF6. <i>Journal of Chemical Physics</i> , 2002 , 117, 1595-1603	3.9	27
101	The II vibrational predissociation lifetime of (HCN)2 determined from upperstate microwave-infrared double-resonance measurements. <i>Journal of Chemical Physics</i> , 1993 , 99, 8559-8570	3.9	27
100	The interaction of rotation and local mode tunneling in the overtone spectra of symmetric hydrides. II. The spatial properties of the XH4 eigenstates. <i>Journal of Chemical Physics</i> , 1992 , 96, 7402-7	409	27
99	The Optical Spectrum of NO2: Is it or Isn't it Chaotic?. <i>Zeitschrift Fur Elektrotechnik Und Elektrochemie</i> , 1988 , 92, 306-311		26
98	Noise caused by a finite extinction ratio of the light modulator in CW cavity ring-down spectroscopy. <i>Applied Physics B: Lasers and Optics</i> , 2009 , 94, 355-366	1.9	25
97	Intramolecular vibrational relaxation in aromatic molecules. 2: An experimental and computational study of pyrrole and triazine near the IVR threshold. <i>Molecular Physics</i> , 2003 , 101, 551-568	1.7	25
96	Effects of linear birefringence and polarization-dependent loss of supermirrors in cavity ring-down spectroscopy. <i>Applied Optics</i> , 2008 , 47, 3817-27	0.2	24
95	Vibrational assignments for the Raman and the phosphorescence spectra of 9,10-anthraquinone and 9,10-anthraquinone-d8. <i>The Journal of Physical Chemistry</i> , 1979 , 83, 1200-1205		24
94	Spectroscopy and Dynamics of Al Atoms Solvated in Superfluid Helium Nanodroplets <i>Journal of Physical Chemistry A</i> , 2000 , 104, 3620-3626	2.8	22
93	Coherence transfer between rotation-inversion transitions in the B fundamental of NH3. <i>Chemical Physics Letters</i> , 1988 , 144, 281-285	2.5	22
92	Variational calculation of the rotational constants for acetylene and its isotopic derivatives. <i>Journal of Chemical Physics</i> , 1983 , 79, 1369-1376	3.9	22
91	Influence of spatial degeneracy on rotational spectroscopy: Three-wave mixing and enantiomeric state separation of chiral molecules. <i>Journal of Chemical Physics</i> , 2018 , 149, 094201	3.9	22
90	Near infrared cavity ring-down spectroscopy for isotopic analyses of CH4 on future Martian surface missions. <i>Planetary and Space Science</i> , 2015 , 105, 117-122	2	21

89	Measurement of the 13C/12C of atmospheric CH4 using near-infrared (NIR) cavity ring-down spectroscopy. <i>Analytical Chemistry</i> , 2013 , 85, 11250-7	7.8	21
88	Rovibrational spectroscopy of the v=6 manifold in 12C2H2 and 13C2H2. <i>Journal of Chemical Physics</i> , 2000 , 113, 7376-7383	3.9	21
87	Harmonically coupled, anharmonic oscillator model for the bending modes of acetylene. <i>Journal of Chemical Physics</i> , 1992 , 96, 8117-8119	3.9	21
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85	Electronic spectroscopy of benzo[g,h,i]perylene and coronene inside helium nanodroplets. <i>Physical Chemistry Chemical Physics</i> , 2008 , 10, 1648-57	3.6	19
84	Eigenstate resolved infrared and millimeter-waveInfrared double resonance spectroscopy of methylamine in the NH stretch first overtone region. <i>Physical Chemistry Chemical Physics</i> , 1999 , 1, 2427	-2433	19
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81	Can molecules have permanent electric dipole moments?. <i>The Journal of Physical Chemistry</i> , 1993 , 97, 2413-2416		18
80	Regularized inversion of diatomic vibrationEotation spectral data: A functional sensitivity analysis approach. <i>Journal of Chemical Physics</i> , 1992 , 97, 852-861	3.9	18
79	The absolute intensity of visible overtone bands of acetylene. <i>Journal of Chemical Physics</i> , 1989 , 91, 275	59 . 376	018
78	G162: Molecular symmetry group for t-butane and other three equivalent methyl molecules. <i>Journal of Molecular Spectroscopy</i> , 1990 , 144, 443-445	1.3	18
77	Helium nanodroplet isolation spectroscopy of perylene and its complexes with oxygen. <i>Journal of Chemical Physics</i> , 2004 , 120, 6792-3	3.9	17
76	Intramolecular vibrational dynamics of diacetylene and diacetylene-d1 via eigenstate-resolved overtone spectroscopy. <i>Chemical Physics</i> , 1995 , 190, 191-205	2.3	17
75	Dynamics of the 1 3 pi g state of K2 on helium nanodroplets. <i>Faraday Discussions</i> , 2001 , 33-42; discussion 43-62	3.6	16
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73	Use of microwave detected microwave-optical double resonance to assign the 6450 [] [band of NH3. <i>Journal of Chemical Physics</i> , 1984 , 81, 3744-3745	3.9	16
72	Sensitivity limits of continuous wave cavity ring-down spectroscopy. <i>Journal of Physical Chemistry A</i> , 2013 , 117, 13399-411	2.8	15

71	CW cavity ring-down spectroscopy (CRDS) with a semiconductor optical amplifier as intensity modulator. <i>Chemical Physics Letters</i> , 2008 , 463, 246-250	2.5	15
70	Near-infrared spectroscopy of ethylene and ethylene dimer in superfluid helium droplets. <i>Journal of Chemical Physics</i> , 2005 , 122, 104307	3.9	15
69	Line-mixing in the 106<-000 overtone transition of HCN. <i>Journal of Chemical Physics</i> , 1996 , 105, 81-88	3.9	15
68	Vibrationally mediated photodissociation of HCN. <i>Chemical Physics Letters</i> , 1998 , 294, 173-180	2.5	14
67	Lorentzian line shape due to an inhomogeneous size distribution without relaxation. <i>Journal of Chemical Physics</i> , 2007 , 126, 024108	3.9	14
66	Microcanonical thermodynamic properties of helium nanodroplets. <i>Journal of Chemical Physics</i> , 2003 , 119, 3336-3342	3.9	14
65	Calculation of the Herman Wallis effect in Dibrational overtone transitions in a linear molecule: Comparison with HCN experimental results. <i>Journal of Chemical Physics</i> , 1996 , 105, 68-80	3.9	14
64	Energy-level statistics for a relaxation Hamiltonian. <i>Physical Review A</i> , 1987 , 36, 404-407	2.6	14
63	Comment on "High-lying levels of ozone via an algebraic approach". <i>The Journal of Physical Chemistry</i> , 1984 , 88, 1047-1047		14
62	Theoretical detection limit of saturated absorption cavity ring-down spectroscopy (SCAR) and two-photon absorption cavity ring-down spectroscopy. <i>Applied Physics B: Lasers and Optics</i> , 2014 , 116, 147-155	1.9	13
61	Electronic spectroscopy of nonalternant hydrocarbons inside helium nanodroplets. <i>Journal of Physical Chemistry A</i> , 2007 , 111, 12200-9	2.8	13
60	The infrared multiphoton excitation and photochemistry of DN3. <i>Journal of Chemical Physics</i> , 1983 , 79, 3373-3381	3.9	13
59	Doppler-free two-photon cavity ring-down spectroscopy of a nitrous oxide (N2O) vibrational overtone transition. <i>Physical Review A</i> , 2020 , 101,	2.6	12
58	Brewster angle prism retroreflectors for cavity enhanced spectroscopy. <i>Applied Optics</i> , 2009 , 48, 2966-	78.2	12
57	Computer-generated character tables and nuclear spin statistical weights: application to benzene dimer and methane dimer. <i>Journal of Molecular Spectroscopy</i> , 2004 , 226, 201-202	1.3	12
56	Calculation of hydrodynamic mass for atomic impurities in helium. <i>Physical Review Letters</i> , 2002 , 88, 14	5 3 041	12
55	Reinvestigation of the HCP electronic spectrum: Experimental determination of D0 for the X state and observation of hyperfine quantum beats in the B state. <i>Journal of Chemical Physics</i> , 1993 , 98, 5184	-3190	12
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53	Thermodynamic and noise considerations for the detection of microscopic particles in a gas by photoacoustic Raman spectroscopy. <i>Optics Communications</i> , 2005 , 246, 551-559	2	11	
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51	Lightweight Raman spectroscope using time-correlated photon-counting detection. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 12315-20	11.5	10	
50	Resonance enhanced two-photon cavity ring-down spectroscopy of vibrational overtone bands: A proposal. <i>Journal of Chemical Physics</i> , 2019 , 151, 144201	3.9	10	
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47	Spectroscopy of highly excited vibrational states of HCN in its ground electronic state. <i>Journal of Chemical Physics</i> , 2004 , 120, 691-703	3.9	10	
46	Molecular Beam Infrared Spectrum of Nitromethane in the Region of the First C田 Stretching Overtone. <i>Journal of Physical Chemistry A</i> , 1998 , 102, 9124-9128	2.8	10	
45	Hierarchical structure in the 31 band of propyne. <i>Journal of Chemical Physics</i> , 1994 , 101, 2642-2643	3.9	10	
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43	A rigid, monolithic but still scannable cavity ring-down spectroscopy cell. <i>Review of Scientific Instruments</i> , 2012 , 83, 043115	1.7	9	
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40	High-Resolution Spectrum of the 3ll Band of Cyanoacetylene Obtained via Infrared/Infrared Double Resonance. <i>Journal of Molecular Spectroscopy</i> , 1996 , 175, 198-202	1.3	9	
39	Limits on the transition to Gaussian orthogonal ensemble behavior: Saturated radiationless transitions between strongly coupled potential surfaces. <i>Physical Review A</i> , 1989 , 40, 5935-5949	2.6	9	
38	A high-finesse broadband optical cavity using calcium fluoride prism retroreflectors. <i>Optics Express</i> , 2014 , 22, 11583-91	3.3	8	
37	Orienting molecules via an ir and uv pulse pair: Implications for coherent Raman spectroscopy. <i>Physical Review A</i> , 2009 , 79,	2.6	8	
36	An Introduction to Cavity Ring-Down Spectroscopy1-26		8	

35	Electronic spectroscopy of biphenylene inside helium nanodroplets. <i>Journal of Physical Chemistry A</i> , 2007 , 111, 7624-30	2.8	8
34	Eigenstate-resolved 1 spectrum of CF3CCH: anharmonic couplings to the bath. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1990 , 86, 2071-2072		8
33	Step-modulated decay cavity ring-down detection for double resonance spectroscopy. <i>Optics Express</i> , 2018 , 26, 29086-29098	3.3	8
32	Buoyancy corrections for the potential of an impurity in a 4He nanodroplet. <i>Molecular Physics</i> , 2000 , 98, 1991-1993	1.7	7
31	Molecular beam infrared spectroscopy of the HCCCNHCCH and HCNHCCCCH van der Waals complexes. <i>Journal of Chemical Physics</i> , 1996 , 105, 10725-10733	3.9	7
30	The rotationally resolved 1.5 fb spectrum of the HCNBF hydrogen-bonded complex. <i>Journal of Chemical Physics</i> , 1992 , 97, 8896-8905	3.9	7
29	Low-temperature pressure broadening in the B band of methane in the presence of para and ortho hydrogen. <i>Journal of Molecular Spectroscopy</i> , 1992 , 151, 54-58	1.3	7
28	Dispersion and Cavity-Ringdown Spectroscopy. ACS Symposium Series, 1999, 106-124	0.4	6
27	Long-Range, Resonant Vibrational Energy Exchange in Polyatomic Molecules: The Fundamental Acetylenic CH Stretching Spectrum of CH3Si(C.tplbond.CH)3. <i>The Journal of Physical Chemistry</i> , 1994 , 98, 5614-5617		6
26	On the Measurement of the Rate of Intramolecular Vibrational Energy Redistribution via High Resolution Molecular Beam Optothermal Spectroscopy. <i>Laser Chemistry</i> , 1991 , 11, 237-245		6
25	Comment on The overtone spectrum of acetylene: A rotational analysis based on a local model description (a). Journal of Chemical Physics, 1983, 79, 530-532	3.9	6
24	Measurements of CH3D line strengths, foreign pressure-broadening, and pressure-shift coefficients at near-IR region using continuous-wave cavity ring-down spectroscopy. <i>Journal of Molecular Spectroscopy</i> , 2013 , 291, 48-56	1.3	5
23	The intramolecular dynamics of allene in the region around 6000 cml via eigenstate resolved IR spectroscopy. <i>Chemical Physics</i> , 1995 , 190, 393-405	2.3	5
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LIST OF PUBLICATIONS

17	Detection of S-nitroso compounds by use of midinfrared cavity ring-down spectroscopy. <i>Analytical Chemistry</i> , 2015 , 87, 3345-53	7.8	3
16	A sub-Doppler resolution double resonance molecular beam infrared spectrometer operating at chemically relevant energies (~2 eV). <i>Review of Scientific Instruments</i> , 2000 , 71, 4032	1.7	3
15	Inversion of absorption spectral data for relaxation matrix determination. I. Application to line mixing in the 106<-000 overtone transition of HCN. <i>Journal of Chemical Physics</i> , 1998 , 108, 392-401	3.9	3
14	Structure and Dipole Moment of (CF3)3CC?CH. Journal of Molecular Spectroscopy, 1993 , 160, 58-60	1.3	3
13	The Rotationally Resolved 3-M Spectrum and the Structure of the ICCH Dimer. <i>Journal of Molecular Spectroscopy</i> , 1993 , 162, 342-352	1.3	3
12	Optical cavity with intracavity two-photon absorption. <i>Journal of the Optical Society of America B:</i> Optical Physics, 2020 , 37, 3055	1.7	3
11	Buoyancy corrections for the potential of an impurity in a 4He nanodroplet		3
10	Theory of Enantiomer-Specific Microwave Spectroscopy 2018 , 713-743		3
9	Comment on Berturbational and variational treatments of the morse oscillator Chemical Physics, 1989, 133, 331-332	2.3	2
8	Hydrogen Isotopic Composition of Arctic and Atmospheric CH Determined by a Portable Near-Infrared Cavity Ring-Down Spectrometer with a Cryogenic Pre-Concentrator. <i>Astrobiology</i> , 2016 , 16, 787-797	3.7	2
7	CAVITY RING-DOWN BIOSENSING 2008 , 403-418		1
6	Pulsed polarization spectroscopy with strong fields and an optically thick sample. <i>Physical Review A</i> , 1992 , 45, 7997-8004	2.6	1
5	Two-photon absorption line shapes in the transit-time limit. <i>Journal of Chemical Physics</i> , 2021 , 154, 104	19.59	1
4	An Introduction to Cavity Ring-Down Spectroscopy1		1
3	Experimental measurement of weak band intensities 1994 , 366-375		1
2	William A. Klemperer Special Issue. <i>Journal of Molecular Spectroscopy</i> , 2003 , 222, 1-3	1.3	
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Experimental Measurement of Weak Band Intensities. *International Astronomical Union Colloquium*, **1994**, 146, 366-375