Terry A Miller

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/7531095/publications.pdf

Version: 2024-02-01

365	10,120	41258	85405
papers	citations	49 h-index	71 g-index

402	402	402	3306
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A combined experimental and computational study on the transition of the calcium isopropoxide radical as a candidate for direct laser cooling. Physical Chemistry Chemical Physics, 2022, 24, 8749-8762.	1.3	2
2	Time-resolved measurements of HO2 radical in a heated plasma flow reactor. Combustion and Flame, 2022, 241, 112097.	2.8	6
3	Laser-Induced Fluorescence Spectroscopy of Large Secondary Alkoxy Radicals: Part I. Spectral Overviews and Vibronic Analysis. Journal of Physical Chemistry A, 2021, 125, 1391-1401.	1.1	4
4	Vibronically coupled states: computational considerations and characterisation of vibronic and rovibronic spectroscopic parameters. International Reviews in Physical Chemistry, 2021, 40, 165-298.	0.9	13
5	Electronic spectroscopy of the A1Ìƒ2Aâ€²â€²/A2Ìƒ2Aâ€²â€²â†'XÌƒ2Aâ€² transitions of jet-cooled calcium ethoxide radicals: Vibronic structure of alkaline earth monoalkoxide radicals of C s symmetry. Journal of Chemical Physics, 2021, 155, 024301.	1.2	4
6	Laser-Induced Fluorescence Spectroscopy of Large Secondary Alkoxy Radicals: Part II. Rotational and Fine Structure. Journal of Physical Chemistry A, 2021, 125, 1402-1412.	1.1	3
7	Rotational and fine structure of open-shell molecules in nearly degenerate electronic states. II. Interpretation of experimentally determined interstate coupling parameters of alkoxy radicals. Journal of Chemical Physics, 2020, 153, 174306.	1.2	4
8	Laser-induced fluorescence and dispersed-fluorescence spectroscopy of the Ãƒ2Eâ†'XÌƒ2A1 transition of jet-cooled calcium methoxide (CaOCH3) radicals. Journal of Chemical Physics, 2019, 151, 134303.	1.2	18
9	Jon T. Hougen. Journal of Molecular Spectroscopy, 2019, 360, 13-14.	0.4	0
10	First-Principles Calculation of Jahnâ€“Teller Rotational Distortion Parameters. Journal of Physical Chemistry A, 2019, 123, 4990-5004.	1.1	7
11	Quantifying the effects of higher order coupling terms on fits using a second order Jahn-Teller Hamiltonian. Journal of Molecular Spectroscopy, 2018, 343, 102-115.	0.4	9
12	Studies via Near-Infrared Cavity Ringdown Spectroscopy and Electronic Structure Calculations of the Products of the Photolysis of Dihalomethane/N2/O2 Mixtures. Journal of Physical Chemistry A, 2017, 121, 98-112.	1.1	1
13	Modeling the CH Stretch/Torsion/Rotation Couplings in Methyl Peroxy (CH₃OO). Journal of Physical Chemistry A, 2017, 121, 9619-9630.	1.1	6
14	Sub-Doppler infrared spectroscopy of resonance-stabilized hydrocarbon intermediates: Î½₃/Î½₄ CH stretch modes and CH₂ internal rotor dynamics of benzyl radical. Physical Chemistry Chemical Physics, 2017, 19, 29812-29821.	1.3	7
15	Manifestations of Torsion-CH Stretch Coupling in the Infrared Spectrum of CH₃OO. Journal of Physical Chemistry A, 2016, 120, 4827-4837.	1.1	9
16	Laser-Induced Fluorescence Spectroscopy of Jet-Cooled t-Butoxy. Journal of Physical Chemistry A, 2015, 119, 11804-11812.	1.1	9
17	Jet cooled cavity ringdown spectroscopy of the AËœ2Eâ€³â†'XËœ2A2â€² transition of the NO3 radical. Journal of Chemical Physics, 2015, 142, 184305.	1.2	29
18	Jet-Cooled Laser-Induced Fluorescence Spectroscopy of Isopropoxy Radical: Vibronic Analysis of BÌƒâ€“XÌƒ and BÌƒâ€“Ãƒ Band Systems. Journal of Physical Chemistry A, 2014, 118, 11852-11870.	1.1	15

#	Article	IF	Citations
19	Jet-Cooled Laser-Induced Fluorescence Spectroscopy of Cyclohexoxy: Rotational and Fine Structure of Molecules in Nearly Degenerate Electronic States. Journal of Physical Chemistry A, 2014, 118, 11871-11890.	1.1	17
20	Observation of the electronic transition of C6â€“C10 peroxy radicals. Chemical Physics Letters, 2014, 601, 149-154.	1.2	5
21	Diffraction using laser-driven broadband electron wave packets. Nature Communications, 2014, 5, 4635.	5.8	68
22	Imaging and Scattering Studies of the Unimolecular Dissociation of the BrCH₂CH₂O Radical from BrCH₂CH₂ONO Photolysis at 351 nm. Journal of Physical Chemistry A, 2014, 118, 404-416.	1.1	4
23	Detection and Characterization of Reactive Chemical Intermediates Using Cavity Ringdown Spectroscopy. Springer Series in Optical Sciences, 2014, , 61-91.	0.5	0
24	Laser induced fluorescence study of the - transition of FCH2CH2O. Chemical Physics Letters, 2013, 555, 64-71.	1.2	3
25	Autobiography of Terry A. Miller. Journal of Physical Chemistry A, 2013, 117, 13209-13215.	1.1	0
26	Rotationally resolved Bˆƒâ†Xˆƒ electronic spectra of the isopropoxy radical: A comparative study. Journal of Chemical Physics, 2013, 139, 094308.	1.2	20
27	Kinetic measurements of the C2H5O2 radical using time-resolved cavity ring-down spectroscopy with a continuous source. Journal of Chemical Physics, 2013, 139, 094201.	1.2	10
28	Imaging ultrafast molecular dynamics with laser-induced electron diffraction. Nature, 2012, 483, 194-197.	13.7	519
29	Detection and Characterization of Products from Photodissociation of XCH₂CH₂ONO (X = F, Cl, Br, OH). Journal of Physical Chemistry A, 2012, 116,	1.1	12
30	Analysis of the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si61.gif" overflow="scroll"><mml:mrow><mml:mover accent="true"><mml:mrow><mml:mtext>A</mml:mtext></mml:mrow><mml:mrow><mml:mo stretchy="true">â^¼</mml:mo></mml:mrow></mml:mover><mml:ms>â€“</mml:ms><mml:mover accent="true"><mml:mrow><mml:mtext>X</mml:mtext></mml:mrow><mml:mrow><mml:mo stretchy="true">â^¼</mml:mo></mml:mrow></mml:mover></mml:mrow></mml:math>electronic transitio	1.2	5
31	Scaling of High-Order Harmonic Generation in the Long Wavelength Limit of a Strong Laser Field. IEEE Journal of Selected Topics in Quantum Electronics, 2012, 18, 419-433.	1.9	12
32	Electronic Transition Moment for the 0₀⁰ Band of the Ãƒ â†•Xˆƒ Transition in the Ethyl Peroxy Radical. Journal of Physical Chemistry A, 2011, 115, 13931-13941.	1.1	6
33	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si34.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:mrow></mml:math>â€“<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si35.gif" overflow="scroll"><mml:mrow><mml:mover accent="true"><mml:mrow><mml:mi>X</mml:mi></mml:mrow>	1.2	2
34	Spectroscopic studies of the $ilde{A}$Aˆƒâ€“$ilde{X}$Xˆƒ electronic spectrum of the Î²-hydroxyethylperoxy radical: Structure and dynamics. Journal of Chemical Physics, 2011, 135, 184304.	1.2	7
35	The spectroscopic characterization of the methoxy radical. III. Rotationally resolved $skew3ilde{A}^2A_1ext{–}skew3ilde{X}^2E$Aˆƒ2A1â€“Xˆƒ2E electronic and $skew3ilde{X}^2E$Xˆƒ2E submillimeter-wave spectra of partially deuterated CH2DO and CHD2O radicals. Journal of Chemical Physics, 2011, 135, 094310.	1.2	21
36	Cavity ringdown spectroscopy of the NIR <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si112.gif" display="inline" 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	1.2	13

#	Article	IF	Citations
37	The Aì*f*-Xì*f* absorption of vinoxy radical revisited: Normal and Herzbergâ€“Teller bands observed via cavity ringdown spectroscopy. Journal of Chemical Physics, 2010, 132, 114302.	1.2	8
38	Observation of the Ã*f*âˆ'Xì*f* Electronic Transitions of Cyclopentyl and Cyclohexyl Peroxy Radicals via Cavity Ringdown Spectroscopy. Journal of Physical Chemistry A, 2010, 114, 218-231.	1.1	13
39	Observation of the Ã*f*âˆ'Xì*f* Electronic Transition of the Î²-Hydroxyethylperoxy Radical. Journal of Physical Chemistry Letters, 2010, 1, 1846-1852.	2.1	16
40	Measurements of the Absolute Absorption Cross Sections of theÃ*f*â†Xì*f*Transition in Organic Peroxy Radicals by Dual-Wavelength Cavity Ring-Down Spectroscopy. Journal of Physical Chemistry A, 2010, 114, 11583-11594.	1.1	12
41	High-resolution cavity ringdown spectroscopy of the jet-cooled propyl peroxy radical C3H7O2. Physical Chemistry Chemical Physics, 2010, 12, 4773.	1.3	16
42	Ã*f*âˆ'Xì*f* Absorption of Propargyl Peroxy Radical (HâˆCâ‰¡CâˆCH₂OO^{Â·}): A Cavity Ring-Down Spectroscopic and Computational Study. Journal of Physical Chemistry A, 2010, 114, 12437-12446.	1.1	5
43	High-resolution cavity ringdown spectroscopy of the jet-cooled ethyl peroxy radical C2H5O2. Journal of Chemical Physics, 2009, 131, 184303.	1.2	21
44	The spectroscopic characterization of the methoxy radical. II. Rotationally resolved Aì*f*â€‰A21-Xì*f*â€‰E2 electronic and Xì*f*â€‰E2 microwave spectra of the perdeuteromethoxy radical CD3O. Journal of Chemical Physics, 2009, 130, 074303.	1.2	32
45	The spectroscopic characterization of the methoxy radical. I. Rotationally resolved Aì*f*â€‰A21â€“Xì*f*â€‰E2 electronic spectra of CH3O. Journal of Chemical Physics, 2009, 130, 074302.	1.2	41
46	An investigation of harmonic generation in liquid media with a mid-infrared laser. Optics Express, 2009, 17, 20959.	1.7	37
47	High harmonic generation from long wavelength drivers. , 2009, , .		0
48	Computational investigation of the Jahn-Teller effect in the ground and excited electronic states of the tropyl radical. Part I. Theoretical calculation of spectroscopically observable parameters. Journal of Chemical Physics, 2008, 128, 084310.	1.2	19
49	The structure and spectra of organic peroxy radicals. Physical Chemistry Chemical Physics, 2008, 10, 3955.	1.3	47
50	Observation of the Ã*f*âˆ'Xì*f* Electronic Transition of the Isomers and Conformers of Pentyl Peroxy Radical Using Cavity Ringdown Spectroscopy. Journal of Physical Chemistry A, 2008, 112, 1445-1456.	1.1	10
51	The Changing Shapes of Molecules. Science, 2008, 320, 881-882.	6.0	5
52	Experimental investigation of the Jahn-Teller effect in the ground and excited electronic states of the tropyl radical. Part II. Vibrational analysis of the Aì*f*E3â€²2-Xì*f*E2â€²2 electronic transition. Journal of Chemical Physics, 2008, 128, 084311.	1.2	22
53	Effect of methyl rotation on the electronic spectrum of the methyl peroxy radical. Journal of Chemical Physics, 2007, 127, 044310.	1.2	24
54	Rovibronic bands of the Aì*f*â†Xì*f* transition of CH3OO and CD3OO detected with cavity ringdown absorption near 1.2â€“1.4Î¼m. Journal of Chemical Physics, 2007, 127, 044311.	1.2	37

#	Article	IF	Citations
55	The vibrationless AÌƒâ†XÌƒ transition of the jet-cooled deuterated methyl peroxy radical CD3O2 by cavity ringdown spectroscopy. Journal of Chemical Physics, 2007, 127, 224305.	1.2	25
56	Jahn-Teller and related effects in the silver trimer. II: Vibrational analysis of the AÌƒ Eâ€³2-XÌƒ Eâ€²2 electronic transition. Journal of Chemical Physics, 2007, 126, 124309.	1.2	12
57	Development of the Hamiltonian and matrix elements for partially deuterated methoxy radical. Molecular Physics, 2007, 105, 529-540.	0.8	14
58	Quasi-Fourier-transform limited, scannable, high energy titanium-sapphire laser source for high resolution spectroscopy. Review of Scientific Instruments, 2007, 78, 033102.	0.6	20
59	Jahn-Teller and related effects in the silver trimer. I. The ab initio calculation of spectroscopically observable parameters for the XÌƒ Eâ€²2 and AÌƒ Eâ€³2 electronic states. Journal of Chemical Physics, 2007, 126, 124308.	1.2	20
60	Investigation of Ethyl Peroxy Radical Conformers via Cavity Ringdown Spectroscopy of the Ãƒ-XÌƒ Electronic Transition. Journal of Physical Chemistry A, 2007, 111, 832-840.	1.1	33
61	Electron Resonance of Gaseous Diatomic Molecules. Advances in Chemical Physics, 2007, , 149-248.	0.3	105
62	High-resolution IR cavity ring-down spectroscopy of jet-cooled free radicals and other species. Physical Chemistry Chemical Physics, 2006, 8, 1682.	1.3	27
63	Spectroscopic probing and diagnostics of the geometric structure of the alkoxy and alkyl peroxy radical intermediates. Molecular Physics, 2006, 104, 2581-2593.	0.8	28
64	Cavity ringdown spectroscopy of the <mml:math altimg="si16.gif" display="inline" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:sb="http://www.elsevier.com/xml/common/struct-bib/dtd" xmlns:ce="ht. Chemical Physics Letter	1.2	17
65	High resolution spectra and conformational analysis of 2-butoxy radical. Journal of Chemical Physics, 2006, 125, 094316.	1.2	14
66	A novel Fourier transform limited, high energy, tunable Ti:Sapphire source. , 2006, , .		0
67	Conformational analysis of the 1- and 2-propyl peroxy radicals. Chemical Physics Letters, 2005, 406, 81-89.	1.2	29
68	Determination of the excited-state structure of 7-azaindole-water cluster using a Franck-Condon analysis. Journal of Chemical Physics, 2005, 123, 224311.	1.2	22
69	Theoretical Determinations of the Ambient Conformational Distribution and Unimolecular Decomposition ofn-Propylperoxy Radical. Journal of Physical Chemistry A, 2005, 109, 3637-3646.	1.1	36
70	Near-IR Cavity Ringdown Spectroscopy and Kinetics of the Isomers and Conformers of the Butyl Peroxy Radical. Journal of Physical Chemistry A, 2005, 109, 11191-11197.	1.1	37
71	Observation of the Ãƒâ^'XÌƒ Electronic Transition of the 1-C3H7O2and 2-C3H7O2Radicals Using Cavity Ringdown Spectroscopy. Journal of Physical Chemistry A, 2005, 109, 1308-1315.	1.1	34
72	Accurate ab initio determination of spectroscopic and thermochemical properties of mono- and dichlorocarbenes. Physical Chemistry Chemical Physics, 2005, 7, 2881.	1.3	43

#	Article	IF	Citations
73	Jet-cooled laser spectroscopy of the cyclohexoxy radical. Journal of Chemical Physics, 2004, 120, 10579-10593.	1.2	26
74	Dispersed fluorescence spectroscopy of primary and secondary alkoxy radicals. Journal of Chemical Physics, 2004, 121, 11780-11797.	1.2	34
75	The rotationally resolved electronic spectra of several conformers of 1-hexoxy and 1-heptoxy. Canadian Journal of Chemistry, 2004, 82, 854-866.	0.6	20
76	Radiative and non-radiative decay of selected vibronic levels of the B state of alkoxy radicals. Chemical Physics Letters, 2003, 380, 749-757.	1.2	23
77	Explorations of Conical Intersections and Their Ramifications for Chemistry Through the Jahnâ€"Teller Effect. ChemInform, 2003, 34, no.	0.1	0
78	Theoretical prediction of spectroscopic constants of 1-alkoxy radicals. Journal of Molecular Spectroscopy, 2003, 220, 276-290.	0.4	34
79	Observation of bands among the four lowest pseudorotational states of 1,3-dioxolane. Journal of Molecular Spectroscopy, 2003, 221, 227-238.	0.4	4
80	The absorption spectroscopy of the lowest pseudorotational states of tetrahydrofuran. Journal of Chemical Physics, 2003, 118, 3589-3599.	1.2	47
81	Rotationally Resolved Electronic Spectra of the BÌƒâ^'XÌƒ Transition in Multiple Conformers of 1-Butoxy and 1-Pentoxy Radicals. Journal of Physical Chemistry A, 2003, 107, 5189-5201.	1.1	33
82	Cavity Ringdown Spectroscopy of the Ãƒ â^' XÌƒ Electronic Transition of the CH3C(O)O2Radical. Journal of Physical Chemistry A, 2003, 107, 7704-7712.	1.1	29
83	Dispersed fluorescence spectra of the CCl2 Ãƒâ€"XÌƒ vibronic bands. Physical Chemistry Chemical Physics, 2003, 5, 1352-1358.	1.3	31
84	Explorations of conical intersections and their ramifications for chemistry through the Jahnâ€"Teller effect. Chemical Society Reviews, 2003, 32, 38-49.	18.7	93
85	Rotationally resolved BÌƒâ€"XÌƒ electronic spectra of both conformers of the 1-propoxy radical. Journal of Chemical Physics, 2003, 118, 4954-4969.	1.2	38
86	Calculation of the Jahn-Teller effect in benzene cation: Application to spectral analysis. Journal of Chemical Physics, 2002, 117, 10654-10674.	1.2	75
87	Spectroscopy of Î£00â†'Î10 Vibrationalâ€"Tunnelingâ€"Rotational Band in Rg Â· ND3 (Rg = Ne, Ar, Kr). Journal of Molecular Spectroscopy, 2002, 214, 202-215.	0.4	12
88	Laser Excitation Spectra of Large Alkoxy Radicals Containing 5â^'12 Carbon Atoms. Journal of Physical Chemistry A, 2001, 105, 2925-2928.	1.1	24
89	Submillimeter wave vibrationâ€"rotation spectroscopy of Arâ‹…CO and Arâ‹…ND3. Journal of Chemical Physics, 2001, 114, 6100-6106.	1.2	28
90	Kinetics of Atomic Nitrogen Photofragment Produced by Laser Photodissociation of N2O. Journal of Physical Chemistry A, 2001, 105, 5977-5983.	1.1	9

#	Article	IF	Citations
91	Observation of the Ãƒâ^'Xìƒ electronic transition of the CF3O2 radical. Chemical Physics Letters, 2001, 335, 298-304.	1.2	20
92	The Jahnâ€"Teller and related effects in the cyclopentadienyl radical. I. The ab initio calculation of spectroscopically observable parameters. Journal of Chemical Physics, 2001, 114, 4855-4868.	1.2	71
93	The Jahnâ€"Teller and related effects in the cyclopentadienyl radical. II. Vibrational analysis of the Ãƒâ€‰2A2â€³â€"Xìƒâ€‰2E1â€³ electronic transition. Journal of Chemical Physics, 2001, 114, 4869-4882.	1.2	67
94	The structure of floppy molecules: the RgÂ·XH/D (Rg=Ar, Ne, and Kr, X=O or S) family of complexes. Journal of Molecular Structure, 2000, 525, 1-45.	1.8	40
95	Surface and volume loss of atomic nitrogen in a parallel plate rf discharge reactor. Plasma Sources Science and Technology, 2000, 9, 248-255.	1.3	56
96	Detection and characterization of alkyl peroxy radicals using cavity ringdown spectroscopy. Journal of Chemical Physics, 2000, 112, 10695-10698.	1.2	82
97	Remarks on the signs ofgfactors in atomic and molecular Zeeman spectroscopy. Molecular Physics, 2000, 98, 1597-1601.	0.8	27
98	Photofragmentation dynamics of the thiomethoxy radical. Journal of Chemical Physics, 2000, 113, 9649-9657.	1.2	16
99	Photoionization Spectroscopy of the Zinc Monoethyl Radical and Its Cation. Journal of Physical Chemistry A, 2000, 104, 9184-9190.	1.1	5
100	Jet-Cooled Laser-Induced Fluorescence Spectroscopy of Some Alkoxy Radicals. Journal of Physical Chemistry A, 2000, 104, 9165-9170.	1.1	35
101	The fluorescence depletion spectroscopy of CdCH3. Journal of Chemical Physics, 1999, 110, 2016-2028.	1.2	11
102	High resolution electronic spectroscopy of Krâ‹…OH/D and an empirical potential energy surface. Journal of Chemical Physics, 1999, 110, 1508-1520.	1.2	16
103	An empirical potential energy surface for the Neâ€"OH/D complexes. Journal of Chemical Physics, 1999, 111, 10053-10060.	1.2	9
104	Jahnâ€"Teller coupling in the [Xtilde] ²E ground states of the CF₃O and CF₃S radicals. Molecular Physics, 1999, 97, 239-254.	0.8	14
105	High resolution electronic spectroscopy and an empirical potential energy surface for Neâ‹…SH/D. Journal of Chemical Physics, 1999, 110, 5065-5078.	1.2	17
106	Characterization of the ground Xìƒâ€Šâ€Š2Î state of the complexes Râ‹…SHâ€Š(R=Ne,Ar,Kr). Journal of Chemical Physics, 1999, 110, 7305-7315.	1.2	15
107	Rovibronic Spectroscopy of MgCH3Ãƒ2E â†Xìƒ2A1Transition. Journal of Molecular Spectroscopy, 1999, 193, 434-441.	0.4	14
108	Vibronic Emission Spectrum ofp-Xylyl Radical. Journal of Molecular Spectroscopy, 1999, 194, 211-218.	0.4	42

#	Article	IF	Citations
109	High-Resolution, Rotationally Resolved Electronic Spectroscopy of the MgNC Radical. Journal of Molecular Spectroscopy, 1999, 194, 219-228.	0.4	32
110	ZEKE Spectroscopy of the Organometallic Radicals MgCH3and ZnCH3:Â Construction of a High-Resolution â€œExperimentalâ€•Molecular Orbital Diagram. Journal of the American Chemical Society, 1999, 121, 2576-2584.	6.6	36
111	The Calculation of Spectroscopic Jahnâ^'Teller Parameters by ab Initio Methods. Journal of Physical Chemistry A, 1999, 103, 2321-2336.	1.1	56
112	Spectral Analysis and Photofragmentation Dynamics of the Perdeuteromethoxy Radical. Journal of Physical Chemistry A, 1999, 103, 1538-1546.	1.1	11
113	Doppler-shifted Fourier Transform Spectroscopy. , 1999, , .		0
114	Two-photon absorption laser-induced fluorescence of atomic nitrogen by an alternative excitation scheme. Chemical Physics Letters, 1998, 295, 305-311.	1.2	56
115	Determination of concentrations via the diminution of Doppler shifts by radiation trapping. Chemical Physics, 1998, 228, 131-144.	0.9	6
116	He metastable concentration measurements in a glow discharge. Chemical Physics, 1998, 228, 145-156.	0.9	14
117	Quantitative insights about molecules exhibiting Jahn-Teller and related effects. International Reviews in Physical Chemistry, 1998, 17, 435-524.	0.9	215
118	The spectroscopy of the CdCH3 radical and its positive ion. Journal of Chemical Physics, 1998, 108, 1335-1346.	1.2	27
119	Competition between radiation and photofragmentation in the Ãƒâ€‰2Î£+ state of the SH/D rare gas complexes. Journal of Chemical Physics, 1998, 109, 162-169.	1.2	8
120	Rovibronic analysis of the laser induced fluorescence excitation spectrum of the jet-cooled methoxy radical. Journal of Chemical Physics, 1997, 106, 6863-6877.	1.2	59
121	Vibrational mode and frequency dependence of the photofragmentation of the methoxy radical. Journal of Chemical Physics, 1997, 106, 6878-6884.	1.2	28
122	Electronic spectroscopy of the Râ‹…SH (R=Ne, Ar, Kr) complexes. Journal of Chemical Physics, 1997, 107, 3437-3446.	1.2	17
123	High resolution electronic spectroscopy of the Râ‹…SH complexes (R= Ne, Ar, Kr). Journal of Chemical Physics, 1997, 107, 3447-3459.	1.2	29
124	Empirical potential energy surface for Arâ‹…SH/D and Krâ‹…SH/D. Journal of Chemical Physics, 1997, 107, 3460-3470.	1.2	32
125	Spectroscopy and Photochemical Dynamics of the CF3S Radical. Journal of Physical Chemistry A, 1997, 101, 9846-9853.	1.1	11
126	High-Resolution Laser-Induced Fluorescence Spectra of 7-Azaindoleâ^'Water Complexes and 7-Azaindole Dimer. Journal of Physical Chemistry A, 1997, 101, 392-398.	1.1	107

#	Article	IF	Citations
127	Rotational Analyses of the Laser Induced Fluorescence Excitation Spectra of Jet-Cooled CF3O and CF3S. Journal of Molecular Spectroscopy, 1997, 186, 1-14.	0.4	13
128	Two-photon-excited stimulated emission from atomic oxygen in rf plasmas: detection and estimation of its threshold. Chemical Physics Letters, 1997, 265, 297-302.	1.2	23
129	Calculation of the Ionization Energies of the Amidogen and Methyl-Substituted Amidogen Radicals:Â NH2, CH3NH, and CH3NCH3. The Journal of Physical Chemistry, 1996, 100, 4408-4412.	2.9	16
130	An investigation of the mechanisms of production of Ar+ emission using Doppler shifted Fourier transform spectroscopy. Chemical Physics Letters, 1995, 233, 298-302.	1.2	7
131	Angular momentum state mixing and quenching of n=3 atomic hydrogen fluorescence. Chemical Physics, 1995, 196, 371-381.	0.9	53
132	Laser-induced fluorescence and fluorescence depletion spectroscopy of the jet-cooled CF3S radical. Chemical Physics Letters, 1995, 247, 548-554.	1.2	13
133	Rotationally resolved electronic spectra of the â€˜â€˜halfâ€sandwichâ€™â€™ organometallic radical, CaC5H5. Journal of Chemical Physics, 1995, 102, 2372-2378.	1.2	16
134	High resolution electronic spectroscopy of MgCH3. Journal of Chemical Physics, 1995, 103, 5964-5969.	1.2	59
135	Observation of characteristic, polarityâ€dependent, Doppler shifts from neutral species in the positive column of a discharge plasma. Journal of Chemical Physics, 1995, 103, 8821-8827.	1.2	8
136	The electronic spectroscopy of the Ba+â€“Ar complex: Potential surface and dissociation energies. Journal of Chemical Physics, 1995, 102, 7359-7368.	1.2	39
137	Spatially and temporally resolved absolute Oâ€atom concentrations in etching plasmas. Journal of Applied Physics, 1995, 77, 505-511.	1.1	53
138	Vibrational spectroscopy of the chlorobenzene cation using zero kinetic energy photoelectron spectroscopy. Journal of Chemical Physics, 1995, 102, 4793-4803.	1.2	56
139	Electronic spectroscopy of free radicals in supersonic jets. , 1995, , 74-117.		10
140	Electronic Spectroscopy of CF3O in a Supersonic Jet: Symmetry and Rotational Structure of a Prototypical Perfluoroalkoxy Radical. The Journal of Physical Chemistry, 1994, 98, 2732-2734.	2.9	15
141	Velocity modulated Fourier transform emission as a plasma diagnostic and a spectroscopic tool. Journal of Chemical Physics, 1994, 101, 4572-4577.	1.2	12
142	Twoâ€photon absorption laserâ€induced fluorescence of H atoms: A probe for heterogeneous processes in hydrogen plasmas. Journal of Applied Physics, 1994, 75, 7231-7236.	1.1	63
143	Strukturverzerrungen in reaktiven chemischen Zwischenstufen. Angewandte Chemie, 1994, 106, 1014-1016.	1.6	0
144	Molecular Distortion in Reactive Chemical Intermediates. Angewandte Chemie International Edition in English, 1994, 33, 962-964.	4.4	4

#	Article	IF	Citations
145	High-resolution electronic spectroscopy of the NeÂ·OH and NeÂ·OD Ãƒ â†•XÌƒ bands. Journal of the Optical Society of America B: Optical Physics, 1994, 11, 198.	0.9	14
146	Hyperfine structure in the electronic spectra of the CdH and CdCH3radicals. Journal of Chemical Physics, 1994, 101, 6396-6404.	1.2	17
147	‹title›Laser-induced fluorescence spectra of jet-cooled organometallic radicals‹/title›. , 1994, , .		1
148	Laser excitation and dispersed fluorescence spectra of the NeÂ·OH Ãƒâ€”XÌƒ electronic transition. Chemical Physics Letters, 1993, 207, 55-61.	1.2	29
149	Potential surface and dissociation energies from high-resolution electronic spectroscopy of NeÂ·OH. Chemical Physics Letters, 1993, 207, 62-68.	1.2	24
150	Dispersed fluorescence spectroscopic study of the ground electronic state of silver trimer. Chemical Physics Letters, 1993, 201, 132-140.	1.2	31
151	Laser-Based Diagnostics of Reactive Plasmas. , 1993, , 483-508.		2
152	Electronic spectroscopy and excited state dynamics of the Arâ‹…SH complex. Journal of Chemical Physics, 1993, 98, 4301-4304.	1.2	36
153	Electronic spectroscopy of the open-shell van der Waals complexes X-CdCH3 (X = He, Ne, Ar, Kr, and) Tj ETQq1 1 0.784314 rgBT /Ove	2.9	4
154	Rotationally resolved electronic excitation spectra of the ethoxy ~B .rarw. ~X transition. The Journal of Physical Chemistry, 1993, 97, 9311-9316.	2.9	49
155	High resolution laser spectroscopy of asymmetrically deuterated cyclopentadienyl radicals: A study of vibronic degeneracy resolution and Jahnâ€“Teller distortion. Journal of Chemical Physics, 1993, 98, 2682-2698.	1.2	49
156	High resolution electronic spectroscopy of ZnCH3 and CdCH3. Journal of Chemical Physics, 1993, 99, 9376-9388.	1.2	64
157	High-resolution spectroscopy of jet-cooled substituted cyclopentadienyl radicals. The Journal of Physical Chemistry, 1992, 96, 89-94.	2.9	17
158	Electronic spectroscopy of jet-cooled half-sandwich organometallic free radicals. 1. Laser-induced fluorescence study of the cyclopentadienyl complexes of zinc and cadmium. The Journal of Physical Chemistry, 1992, 96, 3247-3258.	2.9	15
159	Electronic spectroscopy of jet-cooled half-sandwich organometallic free radicals. 2. Laser-induced fluorescence study of the pyrrolyl complexes of zinc and cadmium. The Journal of Physical Chemistry, 1992, 96, 3258-3265.	2.9	6
160	Electronic spectroscopy of jet-cooled half-sandwich magnesium organometallic complexes MgC5H5, MgC5H4CH3, and MgC4H4N. The Journal of Physical Chemistry, 1992, 96, 8791-8801.	2.9	36
161	Absolute Hâ€atom concentration profiles in continuous and pulsed rf discharges. Journal of Applied Physics, 1992, 72, 2638-2643.	1.1	38
162	High resolution electronic spectroscopy of Arâ‹…OH and Arâ‹…OD vibronic bands. Journal of Chemical Physics, 1992, 97, 7999-8008.	1.2	24

#	Article	IF	Citations
163	Effects of surfaces on Hâ€atom concentration in pulsed and continuous discharges. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 1992, 10, 1188-1192.	0.9	13
164	A symmetry-based approach to the effective Hamiltonian for symmetric top molecules in degenerate vibronic states. Molecular Physics, 1992, 75, 1237-1258.	0.8	5
165	High resolution electronic spectroscopy of Neâ‹…OH. Journal of Chemical Physics, 1992, 96, 3476-3483.	1.2	35
166	High resolution laser spectroscopy of free radicalâ€inert gas complexes: C5H5â‹…He, C5H5â‹…He2, C5H5â‹…Ne, and CH3â€“C5H4â‹…He2. Journal of Chemical Physics, 1992, 97, 5273-5282.	1.2	20
167	Electronic spectroscopy of jet-cooled half-sandwich organometallic free radicals: laser-induced fluorescence study of the monomethylcyclopentadienyl complexes of zinc and cadmium. Journal of the Chemical Society, Faraday Transactions, 1992, 88, 1927.	1.7	5
168	Electronic spectroscopy of jet-cooled half-sandwich organometallic complexes CaC5H5, CaC5H4CH3, and CaC4H4N. Journal of the American Chemical Society, 1992, 114, 7171-7183.	6.6	22
169	Fourier transform UV, visible, and infrared spectra of supersonically cooled CN radical. Journal of Molecular Spectroscopy, 1992, 151, 437-458.	0.4	56
170	High-resolution fluorescence excitation spectra of jet-cooled benzyl and p-methylbenzyl radicals. Chemical Physics, 1992, 167, 203-214.	0.9	77
171	Dispersed fluorescence spectroscopy and fluorescence lifetime measurements of excited vibrational levels of CdCH3. Chemical Physics Letters, 1992, 190, 599-604.	1.2	16
172	H atom plasma diagnostics: A sensitive probe of temperature and purity. Plasma Chemistry and Plasma Processing, 1992, 12, 89-101.	1.1	28
173	Rotationally resolved laser spectroscopy of the jetâ€cooled methylcyclopentadienyl radical (CH3â€“C5H4) Tj ETQq1 1 0.784314 rgBT /O	1.2	23
174	Fluorescence excitation and resolved emission spectra of supersonically cooled Al2O. Journal of Chemical Physics, 1991, 95, 73-79.	1.2	36
175	High-resolution Fourier transform studies of molecular ion emission: ground state degeneracy splitting in the 1,2,3-trifluorobenzene radical cation. The Journal of Physical Chemistry, 1991, 95, 2727-2732.	2.9	23
176	Laser excitation and resolved emission spectra of supersonically cooled aluminum dimer. Chemical Physics, 1991, 155, 233-245.	0.9	16
177	Laser-induced fluorescence spectra of the cold radicals, ZnCH3 and CdCH3, and their inert-gas complexes, Xî—¸CdCH3 (X = He, Ne, Ar, Kr, Xe). Chemical Physics Letters, 1991, 178, 185-191.	1.2	32
178	Spectroscopy of jetâ€cooled metalâ€“monocyclopentadienyl complexes: Laser excitation spectra of calcium and cadmium cyclopentadienides. Journal of Chemical Physics, 1991, 94, 1752-1758.	1.2	32
179	Rotational, fine, and hyperfine structure in the highâ€resolution electronic spectrum of ArOH and ArOD. Journal of Chemical Physics, 1991, 95, 7086-7098.	1.2	69
180	Measurement of methyl torsional barriers in the ground and excited states of the o-, m-, and p-methylbenzyl radicals. The Journal of Physical Chemistry, 1990, 94, 3554-3559.	2.9	46

#	Article	IF	Citations
181	Laser-induced fluorescence spectrum of the cyanocyclopentadienyl radical: a band system long attributed to triplet phenylnitrene. The Journal of Physical Chemistry, 1990, 94, 8890-8896.	2.9	27
182	Reinvestigation of the electronic spectrum of the phenylnitrene radical. The Journal of Physical Chemistry, 1990, 94, 3387-3391.	2.9	21
183	Jahn-Teller induced corrections to rotational and fine-structure parameters in doubly degenerate electronic states. Journal of Molecular Spectroscopy, 1990, 140, 112-125.	0.4	15
184	The laser-induced fluorescence spectra of jet-cooled arylmethyl radicals. Chemical Physics Letters, 1990, 168, 349-354.	1.2	10
185	Enhanced atomic hydrogen concentration measurements in radio frequency discharges. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 1990, 8, 1673-1676.	0.9	6
186	Highâ€resolution electronic spectroscopy of jetâ€cooled hexafluorobenzene and 1,3,5â€trifluorobenzene cations, C6F+6 and C6F3H+3. Journal of Chemical Physics, 1990, 92, 5794-5800.	1.2	19
187	Inert gas clusters of C6F+6: The evolution from isolated ion to solid matrix. Journal of Chemical Physics, 1990, 92, 3297-3309.	1.2	20
188	The spin-rotation interactions in the methoxy radical. Molecular Physics, 1990, 69, 357-367.	0.8	29
189	Paramagnetic Resonance as a Plasma Discharge Diagnostic. , 1989, , 313-347.		0
190	Free jet-cooled laser-induced fluorescence spectrum of methoxy radical. 2. Rotational analysis of the ~A2A1 .tautm. ~X2E electronic transition. The Journal of Physical Chemistry, 1989, 93, 2266-2275.	2.9	84
191	Rotational analysis of Aìƒ 2A1â†"Xìƒâ€‰2E electronic transition of the jetâ€cooled methylthio radical. Journal of Chemical Physics, 1989, 90, 6852-6857.	1.2	62
192	Optimum Chemical Sites and Techniques for Searches for Negatively Charged Rare Particles. Science, 1989, 244, 1450-1457.	6.0	10
193	Rotationally resolved electronic spectrum of jet-cooled deuterated cyclopentadienyl radical. Chemical Physics Letters, 1989, 162, 431-436.	1.2	30
194	Generation of cold free radicals by the reaction of organic halides with metal atoms produced by laser vaporization. Chemical Physics Letters, 1989, 158, 475-479.	1.2	17
195	Temporally resolved laser diagnostic measurements of atomic hydrogen concentrations in RF plasma discharges. Plasma Chemistry and Plasma Processing, 1989, 9, 157-164.	1.1	25
196	Spectra and structure of gaseous organic free radicals: a status report. The Journal of Physical Chemistry, 1989, 93, 5986-5999.	2.9	53
197	Ionic clusters grown from isolated ion seeds. Chemical Physics Letters, 1988, 145, 455-460.	1.2	18
198	Free jet-cooled laser-induced fluorescence spectrum of methoxy. 1. Vibronic analysis of the ~A and ~X states. The Journal of Physical Chemistry, 1988, 92, 5914-5921.	2.9	116

#	Article	IF	Citations
199	Rotationally resolved electronic spectrum of jet-cooled cyclopentadienyl radical. The Journal of Physical Chemistry, 1988, 92, 4263-4266.	2.9	58
200	Fluorescence excitation spectroscopy of ionic clusters containing the C6F+6 chromophore. Philosophical Transactions of the Royal Society A, 1988, 324, 223-232.	1.3	2
201	Laser Spectroscopy of Chemical Intermediates in Supersonic Free Jet Expansions. , 1988, , 421-449.		6
202	Perturbation of the vibrational frequencies of a molecular ion by a Ne matrix. Molecular Physics, 1987, 61, 225-231.	0.8	2
203	Laser-induced fluorescence of CO+ and the CO a3Îi, state produced by multiphoton absorption in a supersonic jet. Chemical Physics Letters, 1987, 138, 175-180.	1.2	22
204	Reverse polarized highly intense Raman transitions in Jahn-Teller and non-Jahn-Teller modes. Journal of Molecular Spectroscopy, 1987, 122, 196-220.	0.4	0
205	Spectroscopic ramifications due to cancellation effects in special degenerate electronic states. Journal of Molecular Spectroscopy, 1987, 123, 453-468.	0.4	1
206	Spectroscopy of transient species produced by photodissociation or photoionization in a supersonic free-jet expansion. Journal of the Chemical Society, Faraday Transactions 2, 1986, 82, 1123.	1.1	12
207	Fourier transform ion cyclotron resonance mass spectrometry of trapped carbon cluster ions. Chemical Physics Letters, 1986, 129, 331-335.	1.2	52
208	Lifetimes of the lowest excited states of the cyclopentadienyl and the monomethylcyclopentadienyl radicals. Chemical Physics Letters, 1986, 124, 489-492.	1.2	7
209	Spectroscopic determination of the potential surface for C6F+6â‹…He. Journal of Chemical Physics, 1986, 85, 2326-2327.	1.2	16
210	Strongly enhanced infrared vibrational transitions in electronically degenerate states. Journal of Chemical Physics, 1986, 84, 561-576.	1.2	11
211	Novel effects in the laser induced fluorescence spectrum of C6F+6. Journal of Chemical Physics, 1986, 85, 1336-1347.	1.2	19
212	Optical emission and laserâ€induced fluorescence diagnostics in reactive plasmas. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 1986, 4, 1768-1772.	0.9	19
213	Implications of the rotationally resolved spectra of the alkoxy radicals for their electronic structure. The Journal of Physical Chemistry, 1986, 90, 6766-6769.	2.9	41
214	Doppler-broadened line shapes of atomic hydrogen in a parallel-plate radio frequency discharge. Plasma Chemistry and Plasma Processing, 1985, 5, 317-331.	1.1	56
215	Optical techniques in plasma diagnostics. Pure and Applied Chemistry, 1984, 56, 189-208.	0.9	146
216	Chemistry and Chemical Intermediates in Supersonic Free Jet Expansions. Science, 1984, 223, 545-553.	6.0	73

#	Article	IF	Citations
217	High resolution, cw laser induced fluorescence study of the Aâ€‰2Îuâ€“Xâ€‰2Î£+g system of N+2. Journal of Chemical Physics, 1984, 80, 4671-4678.	1.2	63
218	Chemical formation and spectroscopy of S2 in a free jet expansion. Journal of Chemical Physics, 1984, 80, 51-56.	1.2	29
219	Laser induced fluorescence study of the BÌƒâ€‰2Aâ€³â€‰â†'â€‰XÌƒâ€‰2Aâ€³ transition of the vinoxy radical in a supersonic free jet expansion. Journal of Chemical Physics, 1984, 81, 2339-2346.	1.2	68
220	Laser-induced fluorescence spectroscopy of ionic clusters between organic cations and inert gases. Chemical Physics Letters, 1984, 104, 526-532.	1.2	26
221	Twoâ€photon laserâ€induced fluorescence monitoring of O atoms in a plasma etching environment. Journal of Applied Physics, 1984, 56, 2007-2011.	1.1	65
222	Laser-induced fluorescence spectra of free-jet cooled organic free radicals. Vinoxy, cyclopentadienyl, and benzyl. Chemical Physics Letters, 1983, 95, 347-351.	1.2	63
223	Laser spectroscopy of lead molecules produced by laser vaporization. The Journal of Physical Chemistry, 1983, 87, 2072-2075.	2.9	25
224	Observation ofP1â^'D1,P1â^'F1,3, andP1â^'H1,3motional Stark-effect-induced anticrossings inHe4: Determination of zero-field level separations. Physical Review A, 1983, 27, 895-905.	1.0	2
225	Laser vaporization of tin: Spectra and ground state molecular parameters of Sn2. Journal of Chemical Physics, 1983, 78, 3593-3598.	1.2	57
226	Theoretical study of Jahnâ€“Teller distortions in C6H+6 and C6F+6. Journal of Chemical Physics, 1983, 79, 1387-1395.	1.2	92
227	Laser induced fluorescence spectra of fluorophenol cations in a Ne matrix. Journal of Chemical Physics, 1983, 78, 2227-2230.	1.2	2
228	Laser-induced fluorescence studies of large and small molecular cations produced by using electron bombardment in a free jet expansion. The Journal of Physical Chemistry, 1983, 87, 5228-5233.	2.9	26
229	Spectroscopic and dynamical studies of vibrationally unrelaxed fluorescence from halobenzene cations in a neon matrix. The Journal of Physical Chemistry, 1983, 87, 1300-1305.	2.9	8
230	Anticrossing spectroscopy of then=6,7,8ÂD1,3states inHe3. Physical Review A, 1982, 25, 869-875.	1.0	11
231	Laser spectra of jetâ€cooled ions and ion clusters. Journal of Chemical Physics, 1982, 76, 3831-3832.	1.2	35
232	Spectroscopy of Molecular Ions. Applied Spectroscopy Reviews, 1982, 18, 105-169.	3.4	36
233	Light and Radical Ions. Annual Review of Physical Chemistry, 1982, 33, 257-282.	4.8	41
234	Laser-induced flourescence spectra of YAG-laser vaporized Se2. Chemical Physics Letters, 1982, 91, 251-257.	1.2	24

#	Article	IF	Citations
235	Two-photon absorption, laser-induced fluorescence detection of Cl atoms. Chemical Physics Letters, 1982, 86, 458-462.	1.2	54
236	The absorption spectrum of the perfluoropyridine cation in a Ne matrix. Chemical Physics Letters, 1982, 90, 394-396.	1.2	1
237	The laser spectroscopy of cool, cold, and very cold molecular ions. Philosophical Transactions of the Royal Society A, 1982, 307, 617-631.	1.3	11
238	Laser excitation and emission spectra of the hexafluorobenzene cation in the gas phase. Journal of the American Chemical Society, 1981, 103, 326-329.	6.6	27
239	Spectroscopy and decay dynamics of several methyl- and fluorine-substituted benzene radical cations. Journal of the American Chemical Society, 1981, 103, 6303-6307.	6.6	14
240	Far-infrared-laser magnetic-resonance spectroscopy of ^4He S and P states. Optics Letters, 1981, 6, 99.	1.7	8
241	The Jahnâ€“Teller distortion in the X2Eâ€³ state of sym-C6Cl3F+3 as determined from laser-induced fluorescence studies. Faraday Discussions of the Chemical Society, 1981, 71, 175-180.	2.2	9
242	Low-temperature fluorescence of the pentafluorophenol radical cation. The Journal of Physical Chemistry, 1981, 85, 1667-1670.	2.9	5
243	Production and characterization of temperature-controlled free radicals in a free jet expansion. Chemical Physics Letters, 1981, 84, 1-5.	1.2	43
244	Novel techniques for plasma diagnostics: Electron paramagnetic resonance and laser-induced fluorescence spectroscopy. Plasma Chemistry and Plasma Processing, 1981, 1, 3-18.	1.1	19
245	Ne matrix spectra of the sym-C6Br3F3+ radical cation. Chemical Physics, 1981, 61, 9-16.	0.9	6
246	Ground-state splitting and structure of the 1, 2, 3 trifluorobenzene radical cation from low-temperature gas phase and matrix spectra. Journal of Molecular Spectroscopy, 1981, 90, 592-595.	0.4	1
247	The Jahnâ€“Teller effect in C6â€‰F+6. Journal of Chemical Physics, 1981, 74, 3240-3248.	1.2	52
248	Rotational excitation in the electron impact ionization of supercooled N2. Journal of Chemical Physics, 1981, 74, 5659-5668.	1.2	52
249	Halogenated benzene radical cations and ground state degeneracy splitting by asymmetric substitution. Journal of Chemical Physics, 1981, 74, 6584-6591.	1.2	7
250	The free jet cooled, laser induced fluorescence spectrum of symâ€triazine. Journal of Chemical Physics, 1981, 75, 5271-5279.	1.2	25
251	Precision determination of4S3â^'P3interval inHe4by laser magnetic resonance. Physical Review A, 1981, 24, 3111-3114.	1.0	3
252	Gas-phase emission spectra of supercooled organic ions. The Journal of Physical Chemistry, 1980, 84, 3154-3156.	2.9	40

#	Article	IF	Citations
253	The laser induced fluorescence spectrum of the sym-trichlorotrifluorobenzene radical cation in the gas phase. Journal of the American Chemical Society, 1980, 102, 4864-4866.	6.6	12
254	The laser-induced fluorescence spectrum of the 1,2,3-trifluorobenzene radical cation. Journal of Molecular Spectroscopy, 1980, 84, 124-131.	0.4	8
255	Observation of laser driven transitions to high rydberg states of He2. Chemical Physics Letters, 1980, 74, 203-206.	1.2	9
256	Laser-induced fluorescence spectra of several nonsymmetrical fluorobenzene radical cations in solid Ne. Journal of Molecular Spectroscopy, 1980, 81, 455-472.	0.4	16
257	Laser-induced fluorescence spectrum of matrix-isolated C6H8+. Journal of Molecular Spectroscopy, 1980, 80, 200-208.	0.4	8
258	Low temperature gas phase and matrix studies of the C6H3F3+ and C6H3Cl3+ radical cations. Journal of Chemical Physics, 1980, 73, 2063-2068.	1.2	34
259	Observation of Slow Vibrational Relaxation in Halogenated Benzene Radical Cations in Rare-Gas Solids. Physical Review Letters, 1980, 44, 1344-1347.	2.9	24
260	Selectively excited, wavelength resolved emission spectra of gaseous organic ions. Journal of Chemical Physics, 1980, 72, 6749-6754.	1.2	18
261	Absorption and laser induced fluorescence spectra of C6F6+ inert gas matrices. Journal of Chemical Physics, 1980, 73, 3053-3059.	1.2	39
262	Jahnâ€“Teller distortions in C6H3F3+ and C6H3Cl3+. Journal of Chemical Physics, 1980, 72, 6070-6080.	1.2	61
263	Effects of intense magnetic and motional Stark fields on state mixing and transition line shapes. Physical Review A, 1980, 22, 1041-1049.	1.0	8
264	Laser magnetic resonance spectroscopy of normally forbidden transitions: Electrostatic fine structure of then=9,L=1â^'8He4singlet states. Physical Review A, 1980, 22, 1050-1061.	1.0	13
265	Electronic absorption spectra of molecular cations. Journal of Chemical Physics, 1980, 72, 2193-2194.	1.2	47
266	Collisional deactivation of selectively excited N+2. Journal of Chemical Physics, 1980, 72, 5469-5475.	1.2	58
267	Absorption and fluorescence spectra of several C₆F₅X⁺ (x =) Tj ETQq1 1 0.784314 rgBT /Over Physico-Chimie Biologique, 1980, 77, 667-672.	0.2	3
268	Laser spectroscopy of molecular ions. Journal De Chimie Physique Et De Physico-Chimie Biologique, 1980, 77, 695-704.	0.2	41
269	Laser induced fluorescence spectrum of matrix isolated CS+2. Journal of Chemical Physics, 1979, 70, 1621-1625.	1.2	47
270	Laser induced fluorescence from fluorobenzene radical cations in the gas phase. Journal of Chemical Physics, 1979, 70, 138.	1.2	52

#	Article	IF	Citations
271	The vibrationally resolved electronic spectrum of the symâ€trichlorobenzene radical cation in gas and condensed phases. Journal of Chemical Physics, 1979, 70, 2919-2925.	1.2	35
272	Laser-Driven Forbidden Transitions to High-LStates in He. Physical Review Letters, 1979, 42, 172-175.	2.9	8
273	Fine structure of 3s,3d:3Î£,3Î,3Î" complex of H2by Dopplerâ€free, laser spectroscopy. Journal of Chemical Physics, 1979, 71, 2441-2457.	1.2	40
274	The fine structure of theBâ€‰2Î£+anda4Î£+states of CN as determined by molecular anticrossing spectroscopy. Journal of Chemical Physics, 1979, 70, 3739-3744.	1.2	16
275	Laser induced fluorescence spectrum of gaseous C6H+6. Journal of Chemical Physics, 1979, 70, 4982-4985.	1.2	19
276	Laser induced fluorescence spectra of symmetrically substituted trihalobenzene radical cations. Journal of Chemical Physics, 1979, 71, 1088-1100.	1.2	47
277	Laser induced fluorencence matrix study of 1,3-difluorobenzene radical cation. Chemical Physics Letters, 1979, 66, 165-168.	1.2	11
278	Rydberg series of atomic He by opto-galvanic spectroscopy. Chemical Physics Letters, 1979, 62, 542-546.	1.2	24
279	Laser excitation spectra of He2. Journal of Molecular Spectroscopy, 1979, 78, 120-124.	0.4	12
280	Radiative decay and radiationless deactivation in selectively excited CN. Journal of Chemical Physics, 1979, 71, 1662-1669.	1.2	105
281	Matrix laser fluorescence spectra of several fluorobenzene radical cations. Journal of the American Chemical Society, 1979, 101, 1248-1253.	6.6	25
282	The use of high magnetic fields in the spectroscopy of simple atoms and molecules. Journal of Magnetism and Magnetic Materials, 1979, 11, 259-268.	1.0	2
283	Dimethylâ€diacetylene radical cation and its fluorescence spectra in rare gas matrices. Journal of Chemical Physics, 1979, 70, 1765-1768.	1.2	15
284	The 3d-triplet complex of molecular hydrogen : the measured Zeeman effect and the calculated eigenvectors and g-factors. Molecular Physics, 1979, 37, 1605-1620.	0.8	28
285	Laser Spectroscopy in Intense Magnetic Fields. Springer Series in Optical Sciences, 1979, , 637-638.	0.5	0
286	Singlet-triplet anticrossings between the and states of D2. Journal of Molecular Spectroscopy, 1978, 69, 199-210.	0.4	8
287	Laser fluorescence excitation spectra of the 1,3,5-trifluorobenzene radical cation. Chemical Physics Letters, 1978, 58, 454-456.	1.2	30
288	Motional-Stark-effect spectroscopy:7S1â"'9P1energy separation and Zeeman tuning parameters forHe4. Physical Review A, 1978, 18, 1103-1114.	1.0	21

#	Article	IF	Citations
289	Laser induced fluorescence detection and characterization of ionic and metastable reaction products. Journal of Chemical Physics, 1978, 69, 2562.	1.2	32
290	Production of metastable rare gas atoms in microwave and dc discharges. Journal of Chemical Physics, 1978, 68, 2001-2002.	1.2	3
291	Laser fluorescence spectra of the hexafluorobenzene cation in solid argon. Journal of the American Chemical Society, 1978, 100, 5251-5252.	6.6	36
292	Radiative and radiationless vibronic deactivation rates in selectively excited CO+. Journal of Chemical Physics, 1978, 69, 3597-3602.	1.2	84
293	Motional-Stark-effect-induced anticrossings. Physical Review A, 1978, 18, 1464-1471.	1.0	6
294	Singletâ€“triplet anticrossings between the doubly excited 3â€‰1K state and the g (3d) â€‰3Î£+g state of H2. Journal of Chemical Physics, 1978, 68, 1683-1688.	1.2	20
295	Production of quartet CN. Journal of Chemical Physics, 1978, 68, 4763-4764.	1.2	10
296	Laser excitation spectra of the CO+2 molecular ion Aâ€‰2Îuâ†'Xâ€‰2Îg fluorescence. Journal of Chemical Physics, 1977, 67, 1790-1792.	1.2	22
297	Gas phase EPR linewidths and intermolecular potentials. V. Quantal derivation. Journal of Chemical Physics, 1977, 66, 1175-1182.	1.2	1
298	Laser excitation of rare gas metastables and the resulting fluorescence distribution. Journal of Chemical Physics, 1977, 66, 3337-3342.	1.2	26
299	Motional Stark Effect in High Magnetic Fields: A New Technique for Sub-Doppler Spectroscopy. Physical Review Letters, 1977, 39, 874-877.	2.9	18
300	A Study of the Optical Emission from an rf Plasma during Semiconductor Etching. Applied Spectroscopy, 1977, 31, 201-207.	1.2	144
301	Laser induced fluorescence and vibrational relaxation in CO+. Chemical Physics Letters, 1977, 50, 275-277.	1.2	34
302	Collisional angular momentum transfer in rydberg states of helium. Chemical Physics Letters, 1977, 51, 18-22.	1.2	13
303	Magnetic Resonance Induced by Electrons: Studies of the Simplest Atomic and Molecular Systems. Advances in Magnetic and Optical Resonance, 1977, 9, 49-187.	1.7	36
304	Gas phase EPR linewidths and intermolecular potentials. IV. Experimental results for the temperature dependence of the Fâ€“He system. Journal of Chemical Physics, 1976, 64, 786-790.	1.2	2
305	The Spectroscopy of Simple Free Radicals. Annual Review of Physical Chemistry, 1976, 27, 127-152.	4.8	29
306	Singletâ€”triplet anticrossings and the electronic isotope shift in D2. Chemical Physics Letters, 1976, 37, 507-511.	1.2	18

#	Article	IF	Citations
307	Singlet-triplet anticrossings between ungerade states of H2. Journal of Molecular Spectroscopy, 1976, 63, 193-204.	0.4	7
308	Singlet-triplet anticrossings inHe4. III. Separation and mixing of then=3â”'8D1andD3states. Physical Review A, 1976, 14, 1025-1035.	1.0	41
309	A forbidden singletâ€“triplet anticrossing in D2. Journal of Chemical Physics, 1976, 64, 1842-1847.	1.2	13
310	Anticrossings and microwave transitions between triplet states of D2. Journal of Chemical Physics, 1976, 64, 4069-4075.	1.2	7
311	The identification and characterization of the 4E+ state of CN. Journal of Chemical Physics, 1976, 65, 3790-3792.	1.2	24
312	Singlet - triplet anticrossings in He. II. Then=6,Â7,Â8D1,3states. Physical Review A, 1975, 11, 753-757.	1.0	33
313	Gas phase EPR linewidths and intermolecular potentials. III. Experimental results for the Fâ€“Ar, Clâ€“He, and Clâ€“Ar systems. Journal of Chemical Physics, 1975, 62, 2952-2956.	1.2	5
314	Ultranarrow, forbidden, singletâ€“triplet anticrossings in H2. Journal of Chemical Physics, 1975, 63, 256-263.	1.2	22
315	Magnetic field control by timeâ€shared minicomputer with milligauss precision. Review of Scientific Instruments, 1975, 46, 425-431.	0.6	3
316	Anticrossings and microwave transitions between the k (4p) 3Îu, v = 1, N = 3 and the p (4d) 3Î£+g, v = 1, N = 5 levels of H2. Journal of Chemical Physics, 1975, 62, 2240-2244.	1.2	9
317	Observation of singletâ€“triplet anticrossings in 4He2. Journal of Chemical Physics, 1975, 63, 4042.	1.2	14
318	Anticrossings and microwave transitions between electronic states of H2. Journal of Chemical Physics, 1974, 60, 4900-4908.	1.2	13
319	Fine and hyperfine structure of orthoâ€H2, k(4p) 3Ï€u. Journal of Chemical Physics, 1974, 60, 3195-3202.	1.2	25
320	Observation of singlet-triplet anticrossing in He. Physical Review A, 1974, 9, 2474-2484.	1.0	32
321	Fine structure in Rydberg states of the H2 molecule. Chemical Physics Letters, 1974, 29, 547-550.	1.2	18
322	Singletâ€triplet anticrossings in H2. Journal of Chemical Physics, 1974, 61, 2160-2162.	1.2	56
323	Fine structure of para H2, k(4p) 3Îu. Chemical Physics Letters, 1973, 23, 120-122.	1.2	7
324	Gas phase EPR of vibrationally excited O2. Journal of Chemical Physics, 1973, 58, 1548-1552.	1.2	18

#	Article	IF	Citations
325	Radioâ€frequency spectrum of metastable N2(A3Î£u+). II. Fine structure, magnetic hyperfine structure, and electric quadrupole constants in the lowest 13 vibrational levels. Journal of Chemical Physics, 1973, 58, 4625-4665.	1.2	45
326	Fine structure and perturbations in the d (3p) 3Îu states of H2 and D2. Journal of Chemical Physics, 1973, 59, 4093-4104.	1.2	25
327	Fine structure of orthoâ€and paraâ€D2 d(3p) 3Îu via microwave optical magnetic resonance induced by electrons. Journal of Chemical Physics, 1973, 59, 4073-4077.	1.2	10
328	Gasâ€phase EPR linewidths and intermolecular potentials. II. Experimental results for the Fâ€“Heâ€“F2 system. Journal of Chemical Physics, 1973, 59, 1352-1361.	1.2	8
329	Gasâ€phase EPR linewidths and intermolecular potentials. I. Theory. Journal of Chemical Physics, 1973, 59, 1342-1351.	1.2	14
330	Fine structure and hyperfine structure of orthoâ€H2d(3p)â€‰3Îuâ€‰(v=0â€“3) via microwave optical magnetic resonance induced by electrons. Journal of Chemical Physics, 1973, 58, 2345-2357.	1.2	41
331	Line shape and intensity considerations in microwave optical magnetic resonance induced by electrons and related experiments. Journal of Chemical Physics, 1973, 58, 2358-2365.	1.2	15
332	Bornâ€Oppenheimer breakdown and isotope effects in3Î electronic states. Journal of Chemical Physics, 1973, 59, 4078-4092.	1.2	14
333	Fermiâ€contact hyperfine interaction and the electron spingfactor in H2d(3p)3Îu. Journal of Chemical Physics, 1973, 59, 5770-5776.	1.2	11
334	Fine structure of paraâ€H2â€‰d(3p)â€‰3Îuâ€‰(Î½ = 0â€“3) via microwave optical magnetic resonance induced by electrons. Journal of Chemical Physics, 1973, 58, 3565-3573.	1.2	33
335	Kinetic Study by EPR of the Production and Decay of SO(1Î”) in the Reaction of O2(1Î”g) with SO(3Î£â). Journal of Chemical Physics, 1972, 56, 465-474.	1.2	33
336	Fine Structure of H2(d 3Îu) by Microwave Optical Magnetic Resonance Induced by Electrons. Journal of Chemical Physics, 1972, 56, 3165-3166.	1.2	19
337	Fine Structure and Diamagnetic Zeeman Effect in He. II. Measurements in the4P3and5P3States. Physical Review A, 1972, 5, 588-591.	1.0	23
338	Microwave Optical Magnetic Resonance Induced by Electrons (MOMRIE) in H2G(3dâ€‰1Î£g+). Journal of Chemical Physics, 1972, 56, 2211-2219.	1.2	35
339	Determination by Gasâ€Phase EPR of the Absolute Concentration of Species Undergoing Electric Dipole Transitions. Journal of Chemical Physics, 1972, 56, 475-482.	1.2	10
340	Detection of metastable 3P argon atoms by gas phase EPR. Chemical Physics Letters, 1972, 12, 437-442.	1.2	19
341	Rotational Moment, Rotational g Factor, Electronic Orbital g Factor, and Anisotropy of the Magnetic Susceptibility of 1Î” O2. Journal of Chemical Physics, 1971, 54, 330-337.	1.2	33
342	Alternative Explanation for Anomalous Molecular Parameters from Electron Resonance Experiments. Journal of Chemical Physics, 1971, 54, 3156-3161.	1.2	13

#	Article	IF	Citations
343	Fine Structure and Diamagnetic Zeeman Effect in He (4P3). Physical Review A, 1971, 4, 81-90.	1.0	32
344	Sulfurâ€33 Hyperfine Interactions in the Gasâ€Phase Electron Resonance Spectra of 2Î SH and 1Î" SO. Journal of Chemical Physics, 1971, 54, 1658-1664.	1.2	19
345	Radioâ€Frequency Spectrum of Metastable N2(A 3Î£u+). I. Magnetic Hyperfine and Electric Quadrupole Constants. Journal of Chemical Physics, 1970, 53, 2290-2303.	1.2	25
346	The effective rotational hamiltonian for open-shell molecules. Molecular Physics, 1969, 16, 105-120.	0.8	28
347	Electron resonance spectrum of gaseous SeO in its3Î£ and1Î" states. Molecular Physics, 1969, 17, 535-542.	0.8	30
348	Gasâ€Phase Electron Resonance Spectra of SF and SeF. Journal of Chemical Physics, 1969, 50, 2726-2732.	1.2	78
349	Double Quantum Transitions in Gasâ€Phase Electron Resonance. Journal of Chemical Physics, 1967, 47, 4859-4860.	1.2	15
350	Starkâ€Modulated Gas Phase Electron Resonance Cavity. Review of Scientific Instruments, 1967, 38, 1183-1184.	0.6	28
351	Stark Effect in Gasâ€Phase Electron Resonance. The Dipole Moments of ClO, BrO, SH, and 1Î" SO. Journal of Chemical Physics, 1967, 47, 3801-3809.	1.2	54
352	Hyperfine interactions in the gas phase electron resonance spectrum of33S16O. Molecular Physics, 1967, 13, 401-407.	0.8	14
353	Comment on "Electron spin resonance of oxygen-16-oxygen-17, oxygen-17-oxygen-18, and oxygen-18-oxygen-16 by L. K. Keys". The Journal of Physical Chemistry, 1967, 71, 2372-2373.	2.9	1
354	Electron resonance of SO (3 Æ©) in the gas phase. Proceedings of the Royal Society of London Series A, Mathematical and Physical Sciences, 1967, 298, 340-358.	1.5	28
355	Gas-phase electron resonance spectra of SF, SeF, SeO (3Î£ and1Î") and IO. Chemical Communications / Chemical Society, London, 1967, .	0.1	4
356	Einstein A Coefficients for the 18 cm Transitions of OH. Nature, 1967, 214, 998-999.	13.7	5
357	Electron resonance of electronically excited SO(1 âˆ†) in the gas phase. Proceedings of the Royal Society of London Series A, Mathematical and Physical Sciences, 1966, 293, 108-116.	1.5	36
358	Spin-Spin and Electron-Exchange Rates of Radicals and Radical Ions. Journal of the American Chemical Society, 1966, 88, 5713-5714.	6.6	34
359	Mechanism of formation of electronically excited SO(1?). A gas-phase electron resonance study. Transactions of the Faraday Society, 1966, 62, 2994.	0.9	10
360	Gasâ€Phase Electron Resonance Spectra of Fluorine and Chlorine Atoms in Their Ground (2P32) and Excited (2PÂ½) Electronic States. Journal of Chemical Physics, 1966, 45, 4093-4097.	1.2	41

#	Article	IF	Citations
361	Stark Effect in Gasâ€Phase Electron Resonance Spectroscopy; The Dipole Moment of ClO. Journal of Chemical Physics, 1966, 45, 3450-3451.	1.2	11
362	Quantitative Observation of Slow and Fast Exchange in EPR Spectra of Organic Free Radicals. Journal of Chemical Physics, 1966, 44, 4022-4024.	1.2	37
363	Homogeneous Electron Exchange Reactions of Aromatic Molecules. Nature, 1965, 205, 382-383.	13.7	53
364	Tracer Diffusion Coefficients of Naphthalene, Biphenyl, and Anthracene. Journal of the American Chemical Society, 1965, 87, 121-122.	6.6	48
365	Tracer Diffusion Coefficients of Aromatic Organic Molecules.. Analytical Chemistry, 1964, 36, 418-420.	3.2	25