

Terry A Miller

List of Publications by Year in descending order

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365
papers

10,120
citations

41258

49
h-index

85405

71
g-index

402
all docs

402
docs citations

402
times ranked

3306
citing authors

#	ARTICLE	IF	CITATIONS
1	Imaging ultrafast molecular dynamics with laser-induced electron diffraction. <i>Nature</i> , 2012, 483, 194-197.	13.7	519
2	Quantitative insights about molecules exhibiting Jahn-Teller and related effects. <i>International Reviews in Physical Chemistry</i> , 1998, 17, 435-524.	0.9	215
3	Optical techniques in plasma diagnostics. <i>Pure and Applied Chemistry</i> , 1984, 56, 189-208.	0.9	146
4	A Study of the Optical Emission from an rf Plasma during Semiconductor Etching. <i>Applied Spectroscopy</i> , 1977, 31, 201-207.	1.2	144
5	Free jet-cooled laser-induced fluorescence spectrum of methoxy. 1. Vibronic analysis of the \bar{A} and \bar{X} states. <i>The Journal of Physical Chemistry</i> , 1988, 92, 5914-5921.	2.9	116
6	High-Resolution Laser-Induced Fluorescence Spectra of 7-Azaindole \cdots Water Complexes and 7-Azaindole Dimer. <i>Journal of Physical Chemistry A</i> , 1997, 101, 392-398.	1.1	107
7	Radiative decay and radiationless deactivation in selectively excited CN. <i>Journal of Chemical Physics</i> , 1979, 71, 1662-1669.	1.2	105
8	Electron Resonance of Gaseous Diatomic Molecules. <i>Advances in Chemical Physics</i> , 2007, , 149-248.	0.3	105
9	Explorations of conical intersections and their ramifications for chemistry through the Jahn-Teller effect. <i>Chemical Society Reviews</i> , 2003, 32, 38-49.	18.7	93
10	Theoretical study of Jahn-Teller distortions in C ₆ H ⁺ and C ₆ F ⁺ . <i>Journal of Chemical Physics</i> , 1983, 79, 1387-1395.	1.2	92
11	Radiative and radiationless vibronic deactivation rates in selectively excited CO ⁺ . <i>Journal of Chemical Physics</i> , 1978, 69, 3597-3602.	1.2	84
12	Free jet-cooled laser-induced fluorescence spectrum of methoxy radical. 2. Rotational analysis of the \bar{A}^2A_1 \rightarrow \bar{X}^2E electronic transition. <i>The Journal of Physical Chemistry</i> , 1989, 93, 2266-2275.	2.9	84
13	Detection and characterization of alkyl peroxy radicals using cavity ringdown spectroscopy. <i>Journal of Chemical Physics</i> , 2000, 112, 10695-10698.	1.2	82
14	Gas-Phase Electron Resonance Spectra of SF and SeF. <i>Journal of Chemical Physics</i> , 1969, 50, 2726-2732.	1.2	78
15	High-resolution fluorescence excitation spectra of jet-cooled benzyl and p-methylbenzyl radicals. <i>Chemical Physics</i> , 1992, 167, 203-214.	0.9	77
16	Calculation of the Jahn-Teller effect in benzene cation: Application to spectral analysis. <i>Journal of Chemical Physics</i> , 2002, 117, 10654-10674.	1.2	75
17	Chemistry and Chemical Intermediates in Supersonic Free Jet Expansions. <i>Science</i> , 1984, 223, 545-553.	6.0	73
18	The Jahn-Teller and related effects in the cyclopentadienyl radical. I. The ab initio calculation of spectroscopically observable parameters. <i>Journal of Chemical Physics</i> , 2001, 114, 4855-4868.	1.2	71

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19	Rotational, fine, and hyperfine structure in the high-resolution electronic spectrum of ArOH and ArOD. <i>Journal of Chemical Physics</i> , 1991, 95, 7086-7098.	1.2	69
20	Laser induced fluorescence study of the $B^1\Sigma^+ \rightarrow X^1\Sigma^+$ transition of the vinoxy radical in a supersonic free jet expansion. <i>Journal of Chemical Physics</i> , 1984, 81, 2339-2346.	1.2	68
21	Diffraction using laser-driven broadband electron wave packets. <i>Nature Communications</i> , 2014, 5, 4635.	5.8	68
22	The Jahn-Teller and related effects in the cyclopentadienyl radical. II. Vibrational analysis of the $A^1\Sigma^+ \rightarrow X^1\Sigma^+$ electronic transition. <i>Journal of Chemical Physics</i> , 2001, 114, 4869-4882.	1.2	67
23	Two-photon laser-induced fluorescence monitoring of O atoms in a plasma etching environment. <i>Journal of Applied Physics</i> , 1984, 56, 2007-2011.	1.1	65
24	High resolution electronic spectroscopy of ZnCH ₃ and CdCH ₃ . <i>Journal of Chemical Physics</i> , 1993, 99, 9376-9388.	1.2	64
25	Laser-induced fluorescence spectra of free-jet cooled organic free radicals. Vinoxy, cyclopentadienyl, and benzyl. <i>Chemical Physics Letters</i> , 1983, 95, 347-351.	1.2	63
26	High resolution, cw laser induced fluorescence study of the $A^1\Sigma^+ \rightarrow X^1\Sigma^+$ system of N ₂ . <i>Journal of Chemical Physics</i> , 1984, 80, 4671-4678.	1.2	63
27	Two-photon absorption laser-induced fluorescence of H atoms: A probe for heterogeneous processes in hydrogen plasmas. <i>Journal of Applied Physics</i> , 1994, 75, 7231-7236.	1.1	63
28	Rotational analysis of $A^1\Sigma^+ \rightarrow X^1\Sigma^+$ electronic transition of the jet-cooled methylthio radical. <i>Journal of Chemical Physics</i> , 1989, 90, 6852-6857.	1.2	62
29	Jahn-Teller distortions in C ₆ H ₃ F ₃ ⁺ and C ₆ H ₃ Cl ₃ ⁺ . <i>Journal of Chemical Physics</i> , 1980, 72, 6070-6080.	1.2	61
30	High resolution electronic spectroscopy of MgCH ₃ . <i>Journal of Chemical Physics</i> , 1995, 103, 5964-5969.	1.2	59
31	Rovibronic analysis of the laser induced fluorescence excitation spectrum of the jet-cooled methoxy radical. <i>Journal of Chemical Physics</i> , 1997, 106, 6863-6877.	1.2	59
32	Collisional deactivation of selectively excited N ₂ . <i>Journal of Chemical Physics</i> , 1980, 72, 5469-5475.	1.2	58
33	Rotationally resolved electronic spectrum of jet-cooled cyclopentadienyl radical. <i>The Journal of Physical Chemistry</i> , 1988, 92, 4263-4266.	2.9	58
34	Laser vaporization of tin: Spectra and ground state molecular parameters of Sn ₂ . <i>Journal of Chemical Physics</i> , 1983, 78, 3593-3598.	1.2	57
35	Singlet-triplet anticrossings in H ₂ . <i>Journal of Chemical Physics</i> , 1974, 61, 2160-2162.	1.2	56
36	Doppler-broadened line shapes of atomic hydrogen in a parallel-plate radio frequency discharge. <i>Plasma Chemistry and Plasma Processing</i> , 1985, 5, 317-331.	1.1	56

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37	Fourier transform UV, visible, and infrared spectra of supersonically cooled CN radical. Journal of Molecular Spectroscopy, 1992, 151, 437-458.	0.4	56
38	Vibrational spectroscopy of the chlorobenzene cation using zero kinetic energy photoelectron spectroscopy. Journal of Chemical Physics, 1995, 102, 4793-4803.	1.2	56
39	Two-photon absorption laser-induced fluorescence of atomic nitrogen by an alternative excitation scheme. Chemical Physics Letters, 1998, 295, 305-311.	1.2	56
40	The Calculation of Spectroscopic Jahn-Teller Parameters by ab Initio Methods. Journal of Physical Chemistry A, 1999, 103, 2321-2336.	1.1	56
41	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
42	Stark Effect in Gas-Phase Electron Resonance. The Dipole Moments of ClO, BrO, SH, and 1^1SO . Journal of Chemical Physics, 1967, 47, 3801-3809.	1.2	54
43	Two-photon absorption, laser-induced fluorescence detection of Cl atoms. Chemical Physics Letters, 1982, 86, 458-462.	1.2	54
44	Homogeneous Electron Exchange Reactions of Aromatic Molecules. Nature, 1965, 205, 382-383.	13.7	53
45	Spectra and structure of gaseous organic free radicals: a status report. The Journal of Physical Chemistry, 1989, 93, 5986-5999.	2.9	53
46	Angular momentum state mixing and quenching of n=3 atomic hydrogen fluorescence. Chemical Physics, 1995, 196, 371-381.	0.9	53
47	Spatially and temporally resolved absolute O-atom concentrations in etching plasmas. Journal of Applied Physics, 1995, 77, 505-511.	1.1	53
48	Laser induced fluorescence from fluorobenzene radical cations in the gas phase. Journal of Chemical Physics, 1979, 70, 138.	1.2	52
49	The Jahn-Teller effect in C_6F_6 . Journal of Chemical Physics, 1981, 74, 3240-3248.	1.2	52
50	Rotational excitation in the electron impact ionization of supercooled N_2 . Journal of Chemical Physics, 1981, 74, 5659-5668.	1.2	52
51	Fourier transform ion cyclotron resonance mass spectrometry of trapped carbon cluster ions. Chemical Physics Letters, 1986, 129, 331-335.	1.2	52
52	Rotationally resolved electronic excitation spectra of the ethoxy $\text{B} \rightarrow \text{X}$ transition. The Journal of Physical Chemistry, 1993, 97, 9311-9316.	2.9	49
53	High resolution laser spectroscopy of asymmetrically deuterated cyclopentadienyl radicals: A study of vibronic degeneracy resolution and Jahn-Teller distortion. Journal of Chemical Physics, 1993, 98, 2682-2698.	1.2	49
54	Tracer Diffusion Coefficients of Naphthalene, Biphenyl, and Anthracene. Journal of the American Chemical Society, 1965, 87, 121-122.	6.6	48

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55	Laser induced fluorescence spectrum of matrix isolated CS ₂ . Journal of Chemical Physics, 1979, 70, 1621-1625.	1.2	47
56	Laser induced fluorescence spectra of symmetrically substituted trihalobenzene radical cations. Journal of Chemical Physics, 1979, 71, 1088-1100.	1.2	47
57	Electronic absorption spectra of molecular cations. Journal of Chemical Physics, 1980, 72, 2193-2194.	1.2	47
58	The absorption spectroscopy of the lowest pseudorotational states of tetrahydrofuran. Journal of Chemical Physics, 2003, 118, 3589-3599.	1.2	47
59	The structure and spectra of organic peroxy radicals. Physical Chemistry Chemical Physics, 2008, 10, 3955.	1.3	47
60	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
61	Radiofrequency spectrum of metastable N ₂ (A ³ Σ ⁺ _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
62	Production and characterization of temperature-controlled free radicals in a free jet expansion. Chemical Physics Letters, 1981, 84, 1-5.	1.2	43
63	Accurate ab initio determination of spectroscopic and thermochemical properties of mono- and dichlorocarbenes. Physical Chemistry Chemical Physics, 2005, 7, 2881.	1.3	43
64	Vibronic Emission Spectrum of p-Xylyl Radical. Journal of Molecular Spectroscopy, 1999, 194, 211-218.	0.4	42
65	Gas-Phase Electron Resonance Spectra of Fluorine and Chlorine Atoms in Their Ground (2P ^{3/2}) and Excited (2P ^{1/2}) Electronic States. Journal of Chemical Physics, 1966, 45, 4093-4097.	1.2	41
66	Fine structure and hyperfine structure of ortho-H ₂ d(3p) (v=0) via microwave optical magnetic resonance induced by electrons. Journal of Chemical Physics, 1973, 58, 2345-2357.	1.2	41
67	Singlet-triplet anticrossings in He ⁴ . III. Separation and mixing of the n=3 ⁸ D ₁ and ³ D ₃ states. Physical Review A, 1976, 14, 1025-1035.	1.0	41
68	Light and Radical Ions. Annual Review of Physical Chemistry, 1982, 33, 257-282.	4.8	41
69	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
70	The spectroscopic characterization of the methoxy radical. I. Rotationally resolved A ¹ Σ ⁺ electronic spectra of CH ₃ O. Journal of Chemical Physics, 2009, 130, 074302.	1.2	41
71	Laser spectroscopy of molecular ions. Journal De Chimie Physique Et De Physico-Chimie Biologique, 1980, 77, 695-704.	0.2	41
72	Fine structure of 3s,3d:3Σ ⁺ ,3Π ⁺ complex of H ₂ by Doppler-free, laser spectroscopy. Journal of Chemical Physics, 1979, 71, 2441-2457.	1.2	40

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73	Gas-phase emission spectra of supercooled organic ions. <i>The Journal of Physical Chemistry</i> , 1980, 84, 3154-3156.	2.9	40
74	The structure of floppy molecules: the Rg \cdot XH/D (Rg=Ar, Ne, and Kr, X=O or S) family of complexes. <i>Journal of Molecular Structure</i> , 2000, 525, 1-45.	1.8	40
75	Absorption and laser induced fluorescence spectra of C ₆ F ₆ ⁺ inert gas matrices. <i>Journal of Chemical Physics</i> , 1980, 73, 3053-3059.	1.2	39
76	The electronic spectroscopy of the Ba ⁺ Ar complex: Potential surface and dissociation energies. <i>Journal of Chemical Physics</i> , 1995, 102, 7359-7368.	1.2	39
77	Absolute H α atom concentration profiles in continuous and pulsed rf discharges. <i>Journal of Applied Physics</i> , 1992, 72, 2638-2643.	1.1	38
78	Rotationally resolved B \rightarrow X electronic spectra of both conformers of the 1-propoxy radical. <i>Journal of Chemical Physics</i> , 2003, 118, 4954-4969.	1.2	38
79	Quantitative Observation of Slow and Fast Exchange in EPR Spectra of Organic Free Radicals. <i>Journal of Chemical Physics</i> , 1966, 44, 4022-4024.	1.2	37
80	Near-IR Cavity Ringdown Spectroscopy and Kinetics of the Isomers and Conformers of the Butyl Peroxy Radical. <i>Journal of Physical Chemistry A</i> , 2005, 109, 11191-11197.	1.1	37
81	Rovibronic bands of the A \rightarrow X transition of CH ₃ OO and CD ₃ OO detected with cavity ringdown absorption near 1.2-1.4 μ m. <i>Journal of Chemical Physics</i> , 2007, 127, 044311.	1.2	37
82	An investigation of harmonic generation in liquid media with a mid-infrared laser. <i>Optics Express</i> , 2009, 17, 20959.	1.7	37
83	Electron resonance of electronically excited SO(1 Σ^+) in the gas phase. <i>Proceedings of the Royal Society of London Series A, Mathematical and Physical Sciences</i> , 1966, 293, 108-116.	1.5	36
84	Laser fluorescence spectra of the hexafluorobenzene cation in solid argon. <i>Journal of the American Chemical Society</i> , 1978, 100, 5251-5252.	6.6	36
85	Spectroscopy of Molecular Ions. <i>Applied Spectroscopy Reviews</i> , 1982, 18, 105-169.	3.4	36
86	Fluorescence excitation and resolved emission spectra of supersonically cooled Al ₂ O. <i>Journal of Chemical Physics</i> , 1991, 95, 73-79.	1.2	36
87	Electronic spectroscopy of jet-cooled half-sandwich magnesium organometallic complexes MgC ₅ H ₅ , MgC ₅ H ₄ CH ₃ , and MgC ₄ H ₄ N. <i>The Journal of Physical Chemistry</i> , 1992, 96, 8791-8801.	2.9	36
88	Electronic spectroscopy and excited state dynamics of the Ar \cdots SH complex. <i>Journal of Chemical Physics</i> , 1993, 98, 4301-4304.	1.2	36
89	ZEKE Spectroscopy of the Organometallic Radicals MgCH ₃ and ZnCH ₃ : A Construction of a High-Resolution ϵ -Experimental Molecular Orbital Diagram. <i>Journal of the American Chemical Society</i> , 1999, 121, 2576-2584.	6.6	36
90	Theoretical Determinations of the Ambient Conformational Distribution and Unimolecular Decomposition of n-Propylperoxy Radical. <i>Journal of Physical Chemistry A</i> , 2005, 109, 3637-3646.	1.1	36

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91	Magnetic Resonance Induced by Electrons: Studies of the Simplest Atomic and Molecular Systems. <i>Advances in Magnetic and Optical Resonance</i> , 1977, 9, 49-187.	1.7	36
92	Microwave Optical Magnetic Resonance Induced by Electrons (MOMRIE) in $H_2G(3d\epsilon\%1\hat{x}g+)$. <i>Journal of Chemical Physics</i> , 1972, 56, 2211-2219.	1.2	35
93	The vibrationally resolved electronic spectrum of the sym $\hat{\epsilon}$ trichlorobenzene radical cation in gas and condensed phases. <i>Journal of Chemical Physics</i> , 1979, 70, 2919-2925.	1.2	35
94	Laser spectra of jet $\hat{\epsilon}$ cooled ions and ion clusters. <i>Journal of Chemical Physics</i> , 1982, 76, 3831-3832.	1.2	35
95	High resolution electronic spectroscopy of $Ne\hat{\epsilon}\dots OH$. <i>Journal of Chemical Physics</i> , 1992, 96, 3476-3483.	1.2	35
96	Jet-Cooled Laser-Induced Fluorescence Spectroscopy of Some Alkoxy Radicals. <i>Journal of Physical Chemistry A</i> , 2000, 104, 9165-9170.	1.1	35
97	Spin-Spin and Electron-Exchange Rates of Radicals and Radical Ions. <i>Journal of the American Chemical Society</i> , 1966, 88, 5713-5714.	6.6	34
98	Laser induced fluorescence and vibrational relaxation in CO^+ . <i>Chemical Physics Letters</i> , 1977, 50, 275-277.	1.2	34
99	Low temperature gas phase and matrix studies of the $C_6H_3F_3^+$ and $C_6H_3Cl_3^+$ radical cations. <i>Journal of Chemical Physics</i> , 1980, 73, 2063-2068.	1.2	34
100	Theoretical prediction of spectroscopic constants of 1-alkoxy radicals. <i>Journal of Molecular Spectroscopy</i> , 2003, 220, 276-290.	0.4	34
101	Dispersed fluorescence spectroscopy of primary and secondary alkoxy radicals. <i>Journal of Chemical Physics</i> , 2004, 121, 11780-11797.	1.2	34
102	Observation of the $\tilde{A}\hat{f}\hat{x}\hat{i}\hat{f}$ Electronic Transition of the 1- $C_3H_7O_2$ and 2- $C_3H_7O_2$ Radicals Using Cavity Ringdown Spectroscopy. <i>Journal of Physical Chemistry A</i> , 2005, 109, 1308-1315.	1.1	34
103	Rotational Moment, Rotational g Factor, Electronic Orbital g Factor, and Anisotropy of the Magnetic Susceptibility of $1\hat{x}\hat{O}_2$. <i>Journal of Chemical Physics</i> , 1971, 54, 330-337.	1.2	33
104	Kinetic Study by EPR of the Production and Decay of $SO(1\hat{x})$ in the Reaction of $O_2(1\hat{x}g)$ with $SO(3\hat{i}\hat{x})$. <i>Journal of Chemical Physics</i> , 1972, 56, 465-474.	1.2	33
105	Fine structure of para $\hat{\epsilon}H_2\hat{\epsilon}\%d(3p)\hat{\epsilon}\%3\hat{i}\hat{u}\hat{\epsilon}\%(\hat{i}\hat{x}/2 = 0\hat{\epsilon}\%3)$ via microwave optical magnetic resonance induced by electrons. <i>Journal of Chemical Physics</i> , 1973, 58, 3565-3573.	1.2	33
106	Singlet - triplet anticrossings in He. II. Then= $6,\hat{A}7,\hat{A}8D1,3$ states. <i>Physical Review A</i> , 1975, 11, 753-757.	1.0	33
107	Rotationally Resolved Electronic Spectra of the $\tilde{B}\hat{i}\hat{f}\hat{x}\hat{i}\hat{f}$ Transition in Multiple Conformers of 1-Butoxy and 1-Pentoxy Radicals. <i>Journal of Physical Chemistry A</i> , 2003, 107, 5189-5201.	1.1	33
108	Investigation of Ethyl Peroxy Radical Conformers via Cavity Ringdown Spectroscopy of the $\tilde{A}\hat{f}\hat{x}\hat{i}\hat{f}$ Electronic Transition. <i>Journal of Physical Chemistry A</i> , 2007, 111, 832-840.	1.1	33

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109	Fine Structure and Diamagnetic Zeeman Effect in He (4P3). <i>Physical Review A</i> , 1971, 4, 81-90.	1.0	32
110	Observation of singlet-triplet anticrossing in He. <i>Physical Review A</i> , 1974, 9, 2474-2484.	1.0	32
111	Laser induced fluorescence detection and characterization of ionic and metastable reaction products. <i>Journal of Chemical Physics</i> , 1978, 69, 2562.	1.2	32
112	Laser-induced fluorescence spectra of the cold radicals, ZnCH ₃ and CdCH ₃ , and their inert-gas complexes, X ⁺ -CdCH ₃ (X = He, Ne, Ar, Kr, Xe). <i>Chemical Physics Letters</i> , 1991, 178, 185-191.	1.2	32
113	Spectroscopy of jet-cooled metal ⁺ monocyclopentadienyl complexes: Laser excitation spectra of calcium and cadmium cyclopentadienides. <i>Journal of Chemical Physics</i> , 1991, 94, 1752-1758.	1.2	32
114	Empirical potential energy surface for Ar ⁺ ...SH/D and Kr ⁺ ...SH/D. <i>Journal of Chemical Physics</i> , 1997, 107, 3460-3470.	1.2	32
115	High-Resolution, Rotationally Resolved Electronic Spectroscopy of the MgNC Radical. <i>Journal of Molecular Spectroscopy</i> , 1999, 194, 219-228.	0.4	32
116	The spectroscopic characterization of the methoxy radical. II. Rotationally resolved A ¹ ₁ -X ¹ ₁ electronic and X ¹ ₁ microwave spectra of the perdeuteromethoxy radical CD ₃ O. <i>Journal of Chemical Physics</i> , 2009, 130, 074303.	1.2	32
117	Dispersed fluorescence spectroscopic study of the ground electronic state of silver trimer. <i>Chemical Physics Letters</i> , 1993, 201, 132-140.	1.2	31
118	Dispersed fluorescence spectra of the CCl ₂ ¹ Δ _g vibronic bands. <i>Physical Chemistry Chemical Physics</i> , 2003, 5, 1352-1358.	1.3	31
119	Electron resonance spectrum of gaseous SeO in its ³ Σ ⁺ and ¹ Π ⁺ states. <i>Molecular Physics</i> , 1969, 17, 535-542.	0.8	30
120	Laser fluorescence excitation spectra of the 1,3,5-trifluorobenzene radical cation. <i>Chemical Physics Letters</i> , 1978, 58, 454-456.	1.2	30
121	Rotationally resolved electronic spectrum of jet-cooled deuterated cyclopentadienyl radical. <i>Chemical Physics Letters</i> , 1989, 162, 431-436.	1.2	30
122	The Spectroscopy of Simple Free Radicals. <i>Annual Review of Physical Chemistry</i> , 1976, 27, 127-152.	4.8	29
123	Chemical formation and spectroscopy of S ₂ in a free jet expansion. <i>Journal of Chemical Physics</i> , 1984, 80, 51-56.	1.2	29
124	The spin-rotation interactions in the methoxy radical. <i>Molecular Physics</i> , 1990, 69, 357-367.	0.8	29
125	Laser excitation and dispersed fluorescence spectra of the Ne ⁺ ·OH ¹ Δ _g electronic transition. <i>Chemical Physics Letters</i> , 1993, 207, 55-61.	1.2	29
126	High resolution electronic spectroscopy of the R ⁺ ...SH complexes (R= Ne, Ar, Kr). <i>Journal of Chemical Physics</i> , 1997, 107, 3447-3459.	1.2	29

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127	Cavity Ringdown Spectroscopy of the $\tilde{A}^1\tilde{X}^1$ Electronic Transition of the CH ₃ C(O)O ₂ Radical. Journal of Physical Chemistry A, 2003, 107, 7704-7712.	1.1	29
128	Conformational analysis of the 1- and 2-propyl peroxy radicals. Chemical Physics Letters, 2005, 406, 81-89.	1.2	29
129	Jet cooled cavity ringdown spectroscopy of the $\tilde{A}^1\tilde{X}^1$ transition of the NO ₃ radical. Journal of Chemical Physics, 2015, 142, 184305.	1.2	29
130	Stark-Modulated Gas Phase Electron Resonance Cavity. Review of Scientific Instruments, 1967, 38, 1183-1184.	0.6	28
131	Electron resonance of SO (\tilde{X}^1) in the gas phase. Proceedings of the Royal Society of London Series A, Mathematical and Physical Sciences, 1967, 298, 340-358.	1.5	28
132	The effective rotational hamiltonian for open-shell molecules. Molecular Physics, 1969, 16, 105-120.	0.8	28
133	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
134	H atom plasma diagnostics: A sensitive probe of temperature and purity. Plasma Chemistry and Plasma Processing, 1992, 12, 89-101.	1.1	28
135	Vibrational mode and frequency dependence of the photofragmentation of the methoxy radical. Journal of Chemical Physics, 1997, 106, 6878-6884.	1.2	28
136	Submillimeter wave vibration-rotation spectroscopy of Ar ⁺ ...CO and Ar ⁺ ...ND ₃ . Journal of Chemical Physics, 2001, 114, 6100-6106.	1.2	28
137	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
138	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
139	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
140	The spectroscopy of the CdCH ₃ radical and its positive ion. Journal of Chemical Physics, 1998, 108, 1335-1346.	1.2	27
141	Remarks on the signs of g-factors in atomic and molecular Zeeman spectroscopy. Molecular Physics, 2000, 98, 1597-1601.	0.8	27
142	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
143	Laser excitation of rare gas metastables and the resulting fluorescence distribution. Journal of Chemical Physics, 1977, 66, 3337-3342.	1.2	26
144	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

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145	Laser-induced fluorescence spectroscopy of ionic clusters between organic cations and inert gases. <i>Chemical Physics Letters</i> , 1984, 104, 526-532.	1.2	26
146	Jet-cooled laser spectroscopy of the cyclohexoxy radical. <i>Journal of Chemical Physics</i> , 2004, 120, 10579-10593.	1.2	26
147	Tracer Diffusion Coefficients of Aromatic Organic Molecules.. <i>Analytical Chemistry</i> , 1964, 36, 418-420.	3.2	25
148	Radio-Frequency Spectrum of Metastable $N_2(A\ 3\Sigma_u^+)$. I. Magnetic Hyperfine and Electric Quadrupole Constants. <i>Journal of Chemical Physics</i> , 1970, 53, 2290-2303.	1.2	25
149	Fine structure and perturbations in the $d(3p)\ 3\text{F}$ states of H_2 and D_2 . <i>Journal of Chemical Physics</i> , 1973, 59, 4093-4104.	1.2	25
150	Fine and hyperfine structure of ortho- H_2 , $k(4p)\ 3\text{F}$. <i>Journal of Chemical Physics</i> , 1974, 60, 3195-3202.	1.2	25
151	Matrix laser fluorescence spectra of several fluorobenzene radical cations. <i>Journal of the American Chemical Society</i> , 1979, 101, 1248-1253.	6.6	25
152	The free jet cooled, laser induced fluorescence spectrum of symmetric triazine. <i>Journal of Chemical Physics</i> , 1981, 75, 5271-5279.	1.2	25
153	Laser spectroscopy of lead molecules produced by laser vaporization. <i>The Journal of Physical Chemistry</i> , 1983, 87, 2072-2075.	2.9	25
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