

Terry A Miller

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

356
papers

9,292
citations

47
h-index

67
g-index

402
ext. papers

9,623
ext. citations

4.5
avg, IF

5.73
L-index

#	Paper	IF	Citations
356	Time-resolved measurements of HO ₂ radical in a heated plasma flow reactor. <i>Combustion and Flame</i> , 2022 , 241, 112097	5.3	0
355	Laser-Induced Fluorescence Spectroscopy of Large Secondary Alkoxy Radicals: Part II. Rotational and Fine Structure. <i>Journal of Physical Chemistry A</i> , 2021 , 125, 1402-1412	2.8	2
354	Vibronically coupled states: computational considerations and characterisation of vibronic and rovibronic spectroscopic parameters. <i>International Reviews in Physical Chemistry</i> , 2021 , 40, 165-298	7	5
353	Laser-Induced Fluorescence Spectroscopy of Large Secondary Alkoxy Radicals: Part I. Spectral Overviews and Vibronic Analysis. <i>Journal of Physical Chemistry A</i> , 2021 , 125, 1391-1401	2.8	2
352	Electronic spectroscopy of the A ⁺ /A ⁻ A-X A transitions of jet-cooled calcium ethoxide radicals: Vibronic structure of alkaline earth monoalkoxide radicals of C symmetry. <i>Journal of Chemical Physics</i> , 2021 , 155, 024301	3.9	1
351	Rotational and fine structure of open-shell molecules in nearly degenerate electronic states. II. Interpretation of experimentally determined interstate coupling parameters of alkoxy radicals. <i>Journal of Chemical Physics</i> , 2020 , 153, 174306	3.9	3
350	First-Principles Calculation of Jahn-Teller Rotational Distortion Parameters. <i>Journal of Physical Chemistry A</i> , 2019 , 123, 4990-5004	2.8	6
349	Laser-induced fluorescence and dispersed-fluorescence spectroscopy of the ² E-X A transition of jet-cooled calcium methoxide (CaOCH) radicals. <i>Journal of Chemical Physics</i> , 2019 , 151, 134303	3.9	10
348	Quantifying the effects of higher order coupling terms on fits using a second order Jahn-Teller Hamiltonian. <i>Journal of Molecular Spectroscopy</i> , 2018 , 343, 102-115	1.3	8
347	Studies via Near-Infrared Cavity Ringdown Spectroscopy and Electronic Structure Calculations of the Products of the Photolysis of Dihalomethane/N/O Mixtures. <i>Journal of Physical Chemistry A</i> , 2017 , 121, 98-112	2.8	1
346	Modeling the CH Stretch/Torsion/Rotation Couplings in Methyl Peroxy (CHOO). <i>Journal of Physical Chemistry A</i> , 2017 , 121, 9619-9630	2.8	5
345	Sub-Doppler infrared spectroscopy of resonance-stabilized hydrocarbon intermediates: ¹ / ₂ CH stretch modes and CH internal rotor dynamics of benzyl radical. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 29812-29821	3.6	5
344	Manifestations of Torsion-CH Stretch Coupling in the Infrared Spectrum of CH ₃ OO. <i>Journal of Physical Chemistry A</i> , 2016 , 120, 4827-37	2.8	8
343	Laser-Induced Fluorescence Spectroscopy of Jet-Cooled t-Butoxy. <i>Journal of Physical Chemistry A</i> , 2015 , 119, 11804-12	2.8	9
342	Jet cooled cavity ringdown spectroscopy of the ² (² E ⁺)←X(² A ₂) transition of the NO ₃ radical. <i>Journal of Chemical Physics</i> , 2015 , 142, 184305	3.9	26
341	Diffraction using laser-driven broadband electron wave packets. <i>Nature Communications</i> , 2014 , 5, 4635	17.4	55
340	Imaging and scattering studies of the unimolecular dissociation of the BrCH ₂ CH ₂ O radical from BrCH ₂ CH ₂ ONO photolysis at 351 nm. <i>Journal of Physical Chemistry A</i> , 2014 , 118, 404-16	2.8	3

339	Jet-cooled laser-induced fluorescence spectroscopy of isopropoxy radical: vibronic analysis of B-X and B-X band systems. <i>Journal of Physical Chemistry A</i> , 2014 , 118, 11852-70	2.8	13
338	Jet-cooled laser-induced fluorescence spectroscopy of cyclohexoxy: rotational and fine structure of molecules in nearly degenerate electronic states. <i>Journal of Physical Chemistry A</i> , 2014 , 118, 11871-90	2.8	14
337	Observation of the A-X electronic transition of C ₆ H ₁₀ peroxy radicals. <i>Chemical Physics Letters</i> , 2014 , 601, 149-154	2.5	4
336	Detection and Characterization of Reactive Chemical Intermediates Using Cavity Ringdown Spectroscopy. <i>Springer Series in Optical Sciences</i> , 2014 , 61-91	0.5	
335	Laser induced fluorescence study of the A-X transition of FCH ₂ CH ₂ O. <i>Chemical Physics Letters</i> , 2013 , 555, 64-71	2.5	2
334	Rotationally resolved B-X electronic spectra of the isopropoxy radical: A comparative study. <i>Journal of Chemical Physics</i> , 2013 , 139, 094308	3.9	18
333	Kinetic measurements of the C ₂ H ₅ O ₂ radical using time-resolved cavity ring-down spectroscopy with a continuous source. <i>Journal of Chemical Physics</i> , 2013 , 139, 094201	3.9	8
332	Analysis of the A-X transition. <i>Chemical Physics Letters</i> , 2012 , 530, 16-24	2.5	5
331	Scaling of High-Order Harmonic Generation in the Long Wavelength Limit of a Strong Laser Field. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2012 , 18, 419-433	3.8	10
330	Imaging ultrafast molecular dynamics with laser-induced electron diffraction. <i>Nature</i> , 2012 , 483, 194-7	50.4	417
329	Detection and characterization of products from photodissociation of XCH ₂ CH ₂ ONO (X = F, Cl, Br, OH). <i>Journal of Physical Chemistry A</i> , 2012 , 116, 12032-40	2.8	11
328	The A-X transition. <i>Chemical Physics Letters</i> , 2011 , 514, 196-201	2.5	2
327	Electronic transition moment for the 0(0)(0) band of the A-X transition in the ethyl peroxy radical. <i>Journal of Physical Chemistry A</i> , 2011 , 115, 13931-41	2.8	5
326	Spectroscopic studies of the A-X electronic spectrum of the hydroxyethylperoxy radical: structure and dynamics. <i>Journal of Chemical Physics</i> , 2011 , 135, 184304	3.9	7
325	The spectroscopic characterization of the methoxy radical. III. Rotationally resolved A-X 2E electronic and X 2E submillimeter wave spectra of partially deuterated CH ₂ DO and CHD ₂ O radicals. <i>Journal of Chemical Physics</i> , 2011 , 135, 094310	3.9	20
324	The A-X absorption of vinyloxy radical revisited: normal and Herzberg-Teller bands observed via cavity ringdown spectroscopy. <i>Journal of Chemical Physics</i> , 2010 , 132, 114302	3.9	7
323	Observation of the A-X electronic transitions of cyclopentyl and cyclohexyl peroxy radicals via cavity ringdown spectroscopy. <i>Journal of Physical Chemistry A</i> , 2010 , 114, 218-31	2.8	12
322	Observation of the A-X Electronic Transition of the Hydroxyethylperoxy Radical. <i>Journal of Physical Chemistry Letters</i> , 2010 , 1, 1846-1852	6.4	16

321	Measurements of the absolute absorption cross sections of the $\tilde{B}-X$ transition in organic peroxy radicals by dual-wavelength cavity ring-down spectroscopy. <i>Journal of Physical Chemistry A</i> , 2010 , 114, 11583-94	2.8	11
320	High-resolution cavity ringdown spectroscopy of the jet-cooled propyl peroxy radical C(3)H(7)O(2). <i>Physical Chemistry Chemical Physics</i> , 2010 , 12, 4773-82	3.6	16
319	$\tilde{B}-X$ absorption of propargyl peroxy radical (H-C \equiv C-CH ₂ OO \cdot): a cavity ring-down spectroscopic and computational study. <i>Journal of Physical Chemistry A</i> , 2010 , 114, 12437-46	2.8	5
318	Cavity ringdown spectroscopy of the NIR $\tilde{A}-\tilde{X}$ electronic transition of allyl peroxy radical (H ₂ CCH=CH ₂ OO \cdot). <i>Chemical Physics Letters</i> , 2010 , 491, 123-131	2.5	13
317	High-resolution cavity ringdown spectroscopy of the jet-cooled ethyl peroxy radical C ₂ H ₅ O ₂ . <i>Journal of Chemical Physics</i> , 2009 , 131, 184303	3.9	19
316	The spectroscopic characterization of the methoxy radical. II. Rotationally resolved $\tilde{A}(2)\tilde{A}(1)-X(2)\tilde{E}$ electronic and $X(2)\tilde{E}$ microwave spectra of the perdeuteromethoxy radical CD(3)O. <i>Journal of Chemical Physics</i> , 2009 , 130, 074303	3.9	30
315	The spectroscopic characterization of the methoxy radical. I. Rotationally resolved $\tilde{A}(2)\tilde{A}(1)-X(2)\tilde{E}$ electronic spectra of CH(3)O. <i>Journal of Chemical Physics</i> , 2009 , 130, 074302	3.9	38
314	An investigation of harmonic generation in liquid media with a mid-infrared laser. <i>Optics Express</i> , 2009 , 17, 20959-65	3.3	27
313	Computational investigation of the Jahn-Teller effect in the ground and excited electronic states of the tropyli radical. Part I. Theoretical calculation of spectroscopically observable parameters. <i>Journal of Chemical Physics</i> , 2008 , 128, 084310	3.9	17
312	The structure and spectra of organic peroxy radicals. <i>Physical Chemistry Chemical Physics</i> , 2008 , 10, 3955-3961	3.8	44
311	Observation of the $\tilde{A}-x$ electronic transition of the isomers and conformers of pentyl peroxy radical using cavity ringdown spectroscopy. <i>Journal of Physical Chemistry A</i> , 2008 , 112, 1445-56	2.8	9
310	Chemistry. The changing shapes of molecules. <i>Science</i> , 2008 , 320, 881-2	33.3	4
309	Experimental investigation of the Jahn-Teller effect in the ground and excited electronic states of the tropyli radical. Part II. Vibrational analysis of the $\tilde{A}2\tilde{E}^3-X2\tilde{E}^2$ electronic transition. <i>Journal of Chemical Physics</i> , 2008 , 128, 084311	3.9	20
308	Investigation of ethyl peroxy radical conformers via cavity ringdown spectroscopy of the $\tilde{A}-X$ electronic transition. <i>Journal of Physical Chemistry A</i> , 2007 , 111, 832-40	2.8	32
307	Electron Resonance of Gaseous Diatomic Molecules. <i>Advances in Chemical Physics</i> , 2007 , 149-248		100
306	Effect of methyl rotation on the electronic spectrum of the methyl peroxy radical. <i>Journal of Chemical Physics</i> , 2007 , 127, 044310	3.9	23
305	Rovibronic bands of the \tilde{A} . <i>Journal of Chemical Physics</i> , 2007 , 127, 044311	3.9	35
304	The vibrationless \tilde{A} . <i>Journal of Chemical Physics</i> , 2007 , 127, 224305	3.9	24

303	Jahn-Teller and related effects in the silver trimer. II: vibrational analysis of the A 2E"-X 2E' electronic transition. <i>Journal of Chemical Physics</i> , 2007 , 126, 124309	3.9	12
302	Development of the Hamiltonian and matrix elements for partially deuterated methoxy radical. <i>Molecular Physics</i> , 2007 , 105, 529-540	1.7	13
301	Quasi-Fourier-transform limited, scannable, high energy titanium-sapphire laser source for high resolution spectroscopy. <i>Review of Scientific Instruments</i> , 2007 , 78, 033102	1.7	19
300	Jahn-Teller and related effects in the silver trimer. I. The ab initio calculation of spectroscopically observable parameters for the X 2E' and A 2E" electronic states. <i>Journal of Chemical Physics</i> , 2007 , 126, 124308	3.9	18
299	High resolution spectra and conformational analysis of 2-butoxy radical. <i>Journal of Chemical Physics</i> , 2006 , 125, 094316	3.9	14
298	High-resolution IR cavity ring-down spectroscopy of jet-cooled free radicals and other species. <i>Physical Chemistry Chemical Physics</i> , 2006 , 8, 1682-9	3.6	27
297	Spectroscopic probing and diagnostics of the geometric structure of the alkoxy and alkyl peroxy radical intermediates. <i>Molecular Physics</i> , 2006 , 104, 2581-2593	1.7	26
296	Cavity ringdown spectroscopy of the A \bar{X} electronic transition of the phenyl peroxy radical. <i>Chemical Physics Letters</i> , 2006 , 417, 378-382	2.5	17
295	Theoretical determinations of the ambient conformational distribution and unimolecular decomposition of n-propylperoxy radical. <i>Journal of Physical Chemistry A</i> , 2005 , 109, 3637-46	2.8	34
294	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, 11191-7	2.8	36
293	Observation of the A-X electronic transition of the 1-C ₃ H ₇ O ₂ and 2-C ₃ H ₇ O ₂ radicals using cavity ringdown spectroscopy. <i>Journal of Physical Chemistry A</i> , 2005 , 109, 1308-15	2.8	33
292	Accurate ab initio determination of spectroscopic and thermochemical properties of mono- and dichlorocarbenes. <i>Physical Chemistry Chemical Physics</i> , 2005 , 7, 2881-93	3.6	40
291	Conformational analysis of the 1- and 2-propyl peroxy radicals. <i>Chemical Physics Letters</i> , 2005 , 406, 81-89	2.5	29
290	Determination of the excited-state structure of 7-azaindole-water cluster using a Franck-Condon analysis. <i>Journal of Chemical Physics</i> , 2005 , 123, 224311	3.9	22
289	Jet-cooled laser spectroscopy of the cyclohexoxy radical. <i>Journal of Chemical Physics</i> , 2004 , 120, 10579-33	3.9	23
288	Dispersed fluorescence spectroscopy of primary and secondary alkoxy radicals. <i>Journal of Chemical Physics</i> , 2004 , 121, 11780-97	3.9	33
287	The rotationally resolved electronic spectra of several conformers of 1-hexoxy and 1-heptoxy. <i>Canadian Journal of Chemistry</i> , 2004 , 82, 854-866	0.9	20
286	Rotationally resolved B \bar{X} electronic spectra of both conformers of the 1-propoxy radical. <i>Journal of Chemical Physics</i> , 2003 , 118, 4954-4969	3.9	38

- 285 Radiative and non-radiative decay of selected vibronic levels of the B state of alkoxy radicals. *Chemical Physics Letters*, **2003**, 380, 749-757 2.5 23
- 284 Theoretical prediction of spectroscopic constants of 1-alkoxy radicals. *Journal of Molecular Spectroscopy*, **2003**, 220, 276-290 1.3 34
- 283 Observation of bands among the four lowest pseudorotational states of 1,3-dioxolane. *Journal of Molecular Spectroscopy*, **2003**, 221, 227-238 1.3 3
- 282 The absorption spectroscopy of the lowest pseudorotational states of tetrahydrofuran. *Journal of Chemical Physics*, **2003**, 118, 3589-3599 3.9 42
- 281 Rotationally Resolved Electronic Spectra of the B \rightarrow Transition in Multiple Conformers of 1-Butoxy and 1-Pentoxy Radicals. *Journal of Physical Chemistry A*, **2003**, 107, 5189-5201 2.8 33
- 280 Cavity Ringdown Spectroscopy of the $\pi \rightarrow \pi^*$ Electronic Transition of the CH₃C(O)O₂ Radical. *Journal of Physical Chemistry A*, **2003**, 107, 7704-7712 2.8 26
- 279 Dispersed fluorescence spectra of the CCl₂ vibronic bands. *Physical Chemistry Chemical Physics*, **2003**, 5, 1352-1358 3.6 29
- 278 Explorations of conical intersections and their ramifications for chemistry through the Jahn-Teller effect. *Chemical Society Reviews*, **2003**, 32, 38-49 58.5 83
- 277 Spectroscopy of 00-10 Vibrational Tunneling Rotational Band in Rg \rightarrow ND₃ (Rg = Ne, Ar, Kr). *Journal of Molecular Spectroscopy*, **2002**, 214, 202-215 1.3 12
- 276 Calculation of the Jahn-Teller effect in benzene cation: Application to spectral analysis. *Journal of Chemical Physics*, **2002**, 117, 10654-10674 3.9 74
- 275 Observation of the A \rightarrow electronic transition of the CF₃O₂ radical. *Chemical Physics Letters*, **2001**, 335, 298-304 2.5 19
- 274 The Jahn-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 3.9 69
- 273 The Jahn-Teller and related effects in the cyclopentadienyl radical. II. Vibrational analysis of the $\pi \rightarrow \pi^*$ 2E₁ electronic transition. *Journal of Chemical Physics*, **2001**, 114, 4869-4882 3.9 66
- 272 Laser Excitation Spectra of Large Alkoxy Radicals Containing 5-12 Carbon Atoms. *Journal of Physical Chemistry A*, **2001**, 105, 2925-2928 2.8 24
- 271 Submillimeter wave vibration-rotation spectroscopy of Ar \rightarrow CO and Ar \rightarrow ND₃. *Journal of Chemical Physics*, **2001**, 114, 6100-6106 3.9 26
- 270 Kinetics of Atomic Nitrogen Photofragment Produced by Laser Photodissociation of N₂O. *Journal of Physical Chemistry A*, **2001**, 105, 5977-5983 2.8 9
- 269 The structure of floppy molecules: the Rg \rightarrow XH/D (Rg=Ar, Ne, and Kr, X=O or S) family of complexes. *Journal of Molecular Structure*, **2000**, 525, 1-45 3.4 37
- 268 Surface and volume loss of atomic nitrogen in a parallel plate rf discharge reactor. *Plasma Sources Science and Technology*, **2000**, 9, 248-255 3.5 56

267	Detection and characterization of alkyl peroxy radicals using cavity ringdown spectroscopy. <i>Journal of Chemical Physics</i> , 2000 , 112, 10695-10698	3.9	77
266	Remarks on the signs of g factors in atomic and molecular Zeeman spectroscopy. <i>Molecular Physics</i> , 2000 , 98, 1597-1601	1.7	20
265	Photofragmentation dynamics of the thiomethoxy radical. <i>Journal of Chemical Physics</i> , 2000 , 113, 9649-9657	3.9	16
264	Photoionization Spectroscopy of the Zinc Monoethyl Radical and Its Cation. <i>Journal of Physical Chemistry A</i> , 2000 , 104, 9184-9190	2.8	4
263	Jet-Cooled Laser-Induced Fluorescence Spectroscopy of Some Alkoxy Radicals. <i>Journal of Physical Chemistry A</i> , 2000 , 104, 9165-9170	2.8	32
262	The fluorescence depletion spectroscopy of CdCH ₃ . <i>Journal of Chemical Physics</i> , 1999 , 110, 2016-2028	3.9	10
261	High resolution electronic spectroscopy of Kr ⁺ OH/D and an empirical potential energy surface. <i>Journal of Chemical Physics</i> , 1999 , 110, 1508-1520	3.9	15
260	An empirical potential energy surface for the Ne ⁺ DH/D complexes. <i>Journal of Chemical Physics</i> , 1999 , 111, 10053-10060	3.9	9
259	Jahn-Teller coupling in the [Xtilde] 2E ground states of the CF ₃ O and CF ₃ S radicals. <i>Molecular Physics</i> , 1999 , 97, 239-254	1.7	14
258	High resolution electronic spectroscopy and an empirical potential energy surface for Ne ⁺ SH/D. <i>Journal of Chemical Physics</i> , 1999 , 110, 5065-5078	3.9	17
257	Characterization of the ground X ² state of the complexes R ⁺ SH (R=Ne,Ar,Kr). <i>Journal of Chemical Physics</i> , 1999 , 110, 7305-7315	3.9	14
256	Rovibronic Spectroscopy of MgCH ₃ ² E . <i>Journal of Molecular Spectroscopy</i> , 1999 , 193, 434-441	1.3	13
255	Vibronic Emission Spectrum of p-Xylyl Radical. <i>Journal of Molecular Spectroscopy</i> , 1999 , 194, 211-218	1.3	42
254	High-Resolution, Rotationally Resolved Electronic Spectroscopy of the MgNC Radical. <i>Journal of Molecular Spectroscopy</i> , 1999 , 194, 219-228	1.3	30
253	ZEKE Spectroscopy of the Organometallic Radicals MgCH ₃ and ZnCH ₃ : Construction of a High-Resolution Experimental Molecular Orbital Diagram. <i>Journal of the American Chemical Society</i> , 1999 , 121, 2576-2584	16.4	36
252	The Calculation of Spectroscopic Jahn-Teller Parameters by ab Initio Methods. <i>Journal of Physical Chemistry A</i> , 1999 , 103, 2321-2336	2.8	54
251	Spectral Analysis and Photofragmentation Dynamics of the Perdeuteromethoxy Radical. <i>Journal of Physical Chemistry A</i> , 1999 , 103, 1538-1546	2.8	10
250	Two-photon absorption laser-induced fluorescence of atomic nitrogen by an alternative excitation scheme. <i>Chemical Physics Letters</i> , 1998 , 295, 305-311	2.5	45

249	Determination of concentrations via the diminution of Doppler shifts by radiation trapping. <i>Chemical Physics</i> , 1998 , 228, 131-144	2.3	3
248	He metastable concentration measurements in a glow discharge. <i>Chemical Physics</i> , 1998 , 228, 145-156	2.3	12
247	Quantitative insights about molecules exhibiting Jahn-Teller and related effects. <i>International Reviews in Physical Chemistry</i> , 1998 , 17, 435-524	7	205
246	The spectroscopy of the CdCH ₃ radical and its positive ion. <i>Journal of Chemical Physics</i> , 1998 , 108, 1335-1346	3.9	26
245	Competition between radiation and photofragmentation in the $\pi\sigma^*$ state of the SH/D rare gas complexes. <i>Journal of Chemical Physics</i> , 1998 , 109, 162-169	3.9	7
244	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	3.9	57
243	Vibrational mode and frequency dependence of the photofragmentation of the methoxy radical. <i>Journal of Chemical Physics</i> , 1997 , 106, 6878-6884	3.9	28
242	Electronic spectroscopy of the R ⁺ SH (R=Ne, Ar, Kr) complexes. <i>Journal of Chemical Physics</i> , 1997 , 107, 3437-3446	3.9	16
241	High resolution electronic spectroscopy of the R ⁺ SH complexes (R= Ne, Ar, Kr). <i>Journal of Chemical Physics</i> , 1997 , 107, 3447-3459	3.9	27
240	Empirical potential energy surface for Ar ⁺ SH/D and Kr ⁺ SH/D. <i>Journal of Chemical Physics</i> , 1997 , 107, 3460-3470	3.9	31
239	Spectroscopy and Photochemical Dynamics of the CF ₃ S Radical. <i>Journal of Physical Chemistry A</i> , 1997 , 101, 9846-9853	2.8	11
238	High-Resolution Laser-Induced Fluorescence Spectra of 7-Azaindole-Water Complexes and 7-Azaindole Dimer. <i>Journal of Physical Chemistry A</i> , 1997 , 101, 392-398	2.8	102
237	Rotational Analyses of the Laser Induced Fluorescence Excitation Spectra of Jet-Cooled CF ₃ O and CF ₃ S. <i>Journal of Molecular Spectroscopy</i> , 1997 , 186, 1-14	1.3	13
236	Two-photon-excited stimulated emission from atomic oxygen in rf plasmas: detection and estimation of its threshold. <i>Chemical Physics Letters</i> , 1997 , 265, 297-302	2.5	22
235	Calculation of the Ionization Energies of the Amidogen and Methyl-Substituted Amidogen Radicals: NH_2 , CH ₃ NH, and CH ₃ NCH ₃ . <i>The Journal of Physical Chemistry</i> , 1996 , 100, 4408-4412		14
234	Angular momentum state mixing and quenching of n=3 atomic hydrogen fluorescence. <i>Chemical Physics</i> , 1995 , 196, 371-381	2.3	48
233	Laser-induced fluorescence and fluorescence depletion spectroscopy of the jet-cooled CF ₃ S radical. <i>Chemical Physics Letters</i> , 1995 , 247, 548-554	2.5	13
232	Rotationally resolved electronic spectra of the half-sandwich organometallic radical, CaC ₅ H ₅ . <i>Journal of Chemical Physics</i> , 1995 , 102, 2372-2378	3.9	15

231	High resolution electronic spectroscopy of MgCH ₃ . <i>Journal of Chemical Physics</i> , 1995 , 103, 5964-5969	3.9	57
230	Observation of characteristic, polarity-dependent, Doppler shifts from neutral species in the positive column of a discharge plasma. <i>Journal of Chemical Physics</i> , 1995 , 103, 8821-8827	3.9	6
229	The electronic spectroscopy of the Ba+Ar complex: Potential surface and dissociation energies. <i>Journal of Chemical Physics</i> , 1995 , 102, 7359-7368	3.9	38
228	Spatially and temporally resolved absolute O-atom concentrations in etching plasmas. <i>Journal of Applied Physics</i> , 1995 , 77, 505-511	2.5	50
227	Vibrational spectroscopy of the chlorobenzene cation using zero kinetic energy photoelectron spectroscopy. <i>Journal of Chemical Physics</i> , 1995 , 102, 4793-4803	3.9	55
226	An investigation of the mechanisms of production of Ar ⁺ emission using Doppler shifted Fourier transform spectroscopy. <i>Chemical Physics Letters</i> , 1995 , 233, 298-302	2.5	5
225	Electronic spectroscopy of free radicals in supersonic jets 1995 , 74-117		9
224	Electronic Spectroscopy of CF ₃ O in a Supersonic Jet: Symmetry and Rotational Structure of a Prototypical Perfluoroalkoxy Radical. <i>The Journal of Physical Chemistry</i> , 1994 , 98, 2732-2734		15
223	Velocity modulated Fourier transform emission as a plasma diagnostic and a spectroscopic tool. <i>Journal of Chemical Physics</i> , 1994 , 101, 4572-4577	3.9	9
222	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	2.5	61
221	Strukturverzerrungen in reaktiven chemischen Zwischenstufen. <i>Angewandte Chemie</i> , 1994 , 106, 1014-1016		
220	Molecular Distortion in Reactive Chemical Intermediates. <i>Angewandte Chemie International Edition in English</i> , 1994 , 33, 962-964		4
219	High-resolution electronic spectroscopy of the Ne ¹ DH and Ne ¹ DD π -X bands. <i>Journal of the Optical Society of America B: Optical Physics</i> , 1994 , 11, 198	1.7	14
218	Hyperfine structure in the electronic spectra of the CdH and CdCH ₃ radicals. <i>Journal of Chemical Physics</i> , 1994 , 101, 6396-6404	3.9	17
217	Laser-Based Diagnostics of Reactive Plasmas 1993 , 483-508		1
216	Electronic spectroscopy and excited state dynamics of the Ar ⁺ SH complex. <i>Journal of Chemical Physics</i> , 1993 , 98, 4301-4304	3.9	33
215	Electronic spectroscopy of the open-shell van der Waals complexes X-CdCH ₃ (X = He, Ne, Ar, Kr, and Xe). <i>The Journal of Physical Chemistry</i> , 1993 , 97, 5809-5819		4
214	Rotationally resolved electronic excitation spectra of the ethoxy \sim B \rightarrow X transition. <i>The Journal of Physical Chemistry</i> , 1993 , 97, 9311-9316		45

213	High resolution laser spectroscopy of asymmetrically deuterated cyclopentadienyl radicals: A study of vibronic degeneracy resolution and Jahn-Teller distortion. <i>Journal of Chemical Physics</i> , 1993 , 98, 2682-2698	3.9	44
212	High resolution electronic spectroscopy of ZnCH ₃ and CdCH ₃ . <i>Journal of Chemical Physics</i> , 1993 , 99, 9376-9388	5.8	
211	Laser excitation and dispersed fluorescence spectra of the Ne-DH electronic transition. <i>Chemical Physics Letters</i> , 1993 , 207, 55-61	2.5	28
210	Potential surface and dissociation energies from high-resolution electronic spectroscopy of Ne-DH. <i>Chemical Physics Letters</i> , 1993 , 207, 62-68	2.5	24
209	Dispersed fluorescence spectroscopic study of the ground electronic state of silver trimer. <i>Chemical Physics Letters</i> , 1993 , 201, 132-140	2.5	30
208	High-resolution spectroscopy of jet-cooled substituted cyclopentadienyl radicals. <i>The Journal of Physical Chemistry</i> , 1992 , 96, 89-94		14
207	Electronic spectroscopy of jet-cooled half-sandwich organometallic free radicals. 1. Laser-induced fluorescence study of the cyclopentadienyl complexes of zinc and cadmium. <i>The Journal of Physical Chemistry</i> , 1992 , 96, 3247-3258		12
206	Electronic spectroscopy of jet-cooled half-sandwich organometallic free radicals. 2. Laser-induced fluorescence study of the pyrrolyl complexes of zinc and cadmium. <i>The Journal of Physical Chemistry</i> , 1992 , 96, 3258-3265		6
205	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		35
204	Absolute H-atom concentration profiles in continuous and pulsed rf discharges. <i>Journal of Applied Physics</i> , 1992 , 72, 2638-2643	2.5	34
203	High resolution electronic spectroscopy of Ar-OH and Ar-OD vibronic bands. <i>Journal of Chemical Physics</i> , 1992 , 97, 7999-8008	3.9	22
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41	Gas phase EPR of vibrationally excited O ₂ . <i>Journal of Chemical Physics</i> , 1973 , 58, 1548-1552	3.9	18
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39	Fine structure and perturbations in the d (3p) $3\bar{u}$ states of H ₂ and D ₂ . <i>Journal of Chemical Physics</i> , 1973 , 59, 4093-4104	3.9	23
38	Fine structure of ortho-and para-D ₂ d(3p) $3\bar{u}$ via microwave optical magnetic resonance induced by electrons. <i>Journal of Chemical Physics</i> , 1973 , 59, 4073-4077	3.9	9
37	Gas-phase EPR linewidths and intermolecular potentials. II. Experimental results for the FHeB ₂ system. <i>Journal of Chemical Physics</i> , 1973 , 59, 1352-1361	3.9	7
36	Gas-phase EPR linewidths and intermolecular potentials. I. Theory. <i>Journal of Chemical Physics</i> , 1973 , 59, 1342-1351	3.9	13
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24	Rotational Moment, Rotational g Factor, Electronic Orbital g Factor, and Anisotropy of the Magnetic Susceptibility of $1D_2$. <i>Journal of Chemical Physics</i> , 1971 , 54, 330-337	3.9	30
23	Alternative Explanation for Anomalous Molecular Parameters from Electron Resonance Experiments. <i>Journal of Chemical Physics</i> , 1971 , 54, 3156-3161	3.9	12
22	Fine Structure and Diamagnetic Zeeman Effect in He ($4P_3$). <i>Physical Review A</i> , 1971 , 4, 81-90	2.6	32
21	Sulfur-33 Hyperfine Interactions in the Gas-Phase Electron Resonance Spectra of $2\Sigma SH$ and $1\Sigma SO$. <i>Journal of Chemical Physics</i> , 1971 , 54, 1658-1664	3.9	15
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19	The effective rotational hamiltonian for open-shell molecules. <i>Molecular Physics</i> , 1969 , 16, 105-120	1.7	25
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