

Scott H Kable

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136
papers

3,474
citations

32
h-index

51
g-index

159
ext. papers

3,690
ext. citations

5.1
avg, IF

4.98
L-index

#	Paper	IF	Citations
136	Photodissociation of acetaldehyde as a second example of the roaming mechanism. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 16079-82	11.5	176
135	Roaming is the dominant mechanism for molecular products in acetaldehyde photodissociation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 12719-24	11.5	169
134	Structural evolution in a hydrothermal reaction between Nb ₂ O ₅ and NaOH solution: from Nb ₂ O ₅ grains to microporous Na ₂ Nb ₂ O ₆ ·2/3H ₂ O fibers and NaNbO ₃ cubes. <i>Journal of the American Chemical Society</i> , 2006 , 128, 2373-84	16.4	166
133	Photodissociation dynamics of acetone at 193 nm: Photofragment internal and translational energy distributions. <i>Journal of Chemical Physics</i> , 1989 , 91, 7498-7513	3.9	129
132	Pulsed-Laser Polymerization Measurements of the Propagation Rate Coefficient for Butyl Acrylate. <i>Macromolecules</i> , 1996 , 29, 1918-1927	5.5	120
131	Photo-tautomerization of acetaldehyde to vinyl alcohol: a potential route to tropospheric acids. <i>Science</i> , 2012 , 337, 1203-6	33.3	79
130	A new role of curcumin: as a multicolor photoinitiator for polymer fabrication under household UV to red LED bulbs. <i>Polymer Chemistry</i> , 2015 , 6, 5053-5061	4.9	75
129	Near threshold dynamics and dissociation energy of the reaction H ₂ CO → HCO + H. <i>Chemical Physics Letters</i> , 1996 , 258, 626-632	2.5	75
128	The S ₁ B ₀ (1B ₂ u)Ag transition of p-difluorobenzene cooled in a supersonic free jet expansion. Excitation and dispersed fluorescence spectra, vibrational assignments, Fermi resonances, and forbidden transitions. <i>Journal of Chemical Physics</i> , 1988 , 89, 7139-7160	3.9	73
127	Signatures of H ₂ CO photodissociation from two electronic states. <i>Science</i> , 2006 , 311, 1443-6	33.3	65
126	Spectroscopic observation of the resonance-stabilized 1-phenylpropargyl radical. <i>Journal of the American Chemical Society</i> , 2008 , 130, 3137-42	16.4	62
125	HCO (N,Ka,Kc,J) distributions from near-threshold photolysis of H ₂ CO (J,Ka,Kc). <i>Journal of Chemical Physics</i> , 1998 , 108, 3187-3198	3.9	58
124	Dynamics of Acetaldehyde Dissociation at 308 nm: Rotational (N, Ka) and Translational Distributions of the HCO Photoproduct. <i>The Journal of Physical Chemistry</i> , 1994 , 98, 10802-10808		54
123	Near-threshold H/D exchange in CD ₃ HO photodissociation. <i>Nature Chemistry</i> , 2011 , 3, 443-8	17.6	53
122	Theoretical and Experimental Spectroscopy of the S ₂ State of CHF and CDF: Dynamically Weighted Multireference Configuration Interaction Calculations for High-Lying Electronic States. <i>Journal of Physical Chemistry Letters</i> , 2010 , 1, 641-646	6.4	52
121	Photofragment excitation spectroscopy of the formyl (HCO/DCO) radical: Linewidths and predissociation rates of the A (A ₁) state. <i>Journal of Chemical Physics</i> , 1991 , 94, 1796-1802	3.9	52
120	Phototautomerization of Acetaldehyde to Vinyl Alcohol: A Primary Process in UV-Irradiated Acetaldehyde from 295 to 335 nm. <i>Journal of Physical Chemistry Letters</i> , 2012 , 3, 3522-6	6.4	45

119	Two roaming pathways in the photolysis of CH ₃ CHO between 328 and 308 nm. <i>Chemical Science</i> , 2014 , 5, 4633-4638	9.4	43
118	Two-dimensional fluorescence (excitation/emission) spectroscopy as a probe of complex chemical environments. <i>Journal of Physical Chemistry A</i> , 2006 , 110, 12355-9	2.8	42
117	The halocarbenes: model systems for understanding the spectroscopy, dynamics and chemistry of carbenes. <i>International Reviews in Physical Chemistry</i> , 2009 , 28, 435-480	7	41
116	Measurement of propagation rate coefficients using pulsed-laser polymerization and matrix-assisted laser desorption/ionization mass spectrometry. <i>Macromolecules</i> , 1993 , 26, 6684-6685	5.5	41
115	Spectroscopic identification of the resonance-stabilized cis- and trans-1-vinylpropargyl radicals. <i>Journal of the American Chemical Society</i> , 2009 , 131, 13423-9	16.4	40
114	Photochemical formation of HCO and CH ₃ on the ground S ₀ (1A') state of CH ₃ CHO. <i>Journal of Chemical Physics</i> , 2009 , 130, 054310	3.9	39
113	Characterization of the $\tilde{\pi}(1A')$ state of HCF by laser induced fluorescence spectroscopy. <i>Journal of Chemical Physics</i> , 1999 , 110, 11277-11285	3.9	38
112	Laser-induced fluorescence measurement and analytical model for the reaction probability of CF ₂ on Si. <i>Journal of Applied Physics</i> , 1986 , 60, 2775-2777	2.5	37
111	Ab initio potential energy surface and vibrational frequencies of $\tilde{\pi}(1A')$ HCF. <i>Chemical Physics Letters</i> , 1998 , 292, 80-86	2.5	36
110	The electronic spectroscopy of jet-cooled difluorocarbene (CF ₂): The missing A -state stretching frequencies. <i>Journal of Chemical Physics</i> , 1995 , 103, 4476-4483	3.9	36
109	A classical trajectory study of the photodissociation of T1 acetaldehyde: the transition from impulsive to statistical dynamics. <i>Journal of Chemical Physics</i> , 2006 , 124, 044302	3.9	33
108	The d (3)Pi(g)-c (3)Sigma(u) (+) band system of C ₂ . <i>Journal of Chemical Physics</i> , 2007 , 127, 214303	3.9	33
107	Observation of a parallel recoil distribution from a perpendicular absorption transition in formyl radicals HCO and DCO. <i>The Journal of Physical Chemistry</i> , 1991 , 95, 8013-8018		33
106	Product distributions in the 157 nm photodissociation of CO ₂ . <i>Journal of Chemical Physics</i> , 1992 , 96, 3323-3328	3.9	33
105	Quantification of collagen I in airway tissues using second harmonic generation. <i>Journal of Biomedical Optics</i> , 2014 , 19, 36005	3.5	32
104	CO product distributions from the visible photodissociation of HCO. <i>Journal of Chemical Physics</i> , 1992 , 97, 9036-9045	3.9	31
103	Collision partner and level dependence of vibrational relaxation in S ₀ p-difluorobenzene. Stimulated emission pumping combined with single vibronic level fluorescence spectroscopy. <i>Journal of Chemical Physics</i> , 1988 , 88, 4748-4764	3.9	31
102	Mode-dependent intramolecular vibrational redistribution in the S ₁ state of jet-cooled p-difluorobenzene. <i>The Journal of Physical Chemistry</i> , 1984 , 88, 2937-2940		30

101	Stimulated emission pumping of p-difluorobenzene cooled in a supersonic free jet. Vibrational relaxation in S0 induced by very low energy collisions. <i>Journal of Chemical Physics</i> , 1987 , 86, 4709-4711	3.9	29
100	Electronic spectroscopy and ab initio quantum chemical study of the $\pi \rightarrow \pi^*$ ($1A_g$) transition of CBr. <i>Journal of Chemical Physics</i> , 1998 , 109, 2220-2232	3.9	28
99	Dissociation dynamics of C3O2 excited at 157.6 nm. <i>Journal of Chemical Physics</i> , 1991 , 94, 1837-1849	3.9	28
98	Evidence for mode-specific intramolecular vibrational redistribution in S1 p-difluorobenzene. <i>The Journal of Physical Chemistry</i> , 1982 , 86, 1244-1247		28
97	Quantum chemical study and experimental observation of a new band system of C(2), e 3Pi(g)-c 3Sigma(u)+. <i>Journal of Chemical Physics</i> , 2009 , 131, 044301	3.9	27
96	Laser-induced fluorescence and dispersed fluorescence spectroscopy of jet-cooled 1-phenylpropargyl radical. <i>Journal of Chemical Physics</i> , 2009 , 130, 144313	3.9	27
95	Product state and speed distributions in photochemical triple fragmentations. <i>Faraday Discussions</i> , 2012 , 157, 227-41; discussion 243-84	3.6	26
94	Electronic spectroscopy of jet-cooled CFCl: Laser-induced fluorescence, dispersed fluorescence, lifetimes, and C-Cl dissociation barrier. <i>Journal of Chemical Physics</i> , 2001 , 115, 11118-11130	3.9	26
93	A phase space theory for roaming reactions. <i>Journal of Physical Chemistry A</i> , 2013 , 117, 7631-42	2.8	25
92	The energy dependence of CO(v,J) produced from HCO via the transition state, roaming, and triple fragmentation channels. <i>Journal of Chemical Physics</i> , 2017 , 147, 013935	3.9	24
91	Multihydroxy-Anthraquinone Derivatives as Free Radical and Cationic Photoinitiators of Various Photopolymerizations under Green LED. <i>Macromolecular Rapid Communications</i> , 2018 , 39, e1800172	4.8	24
90	The photochemistry of the formyl radical: Energy content of the photoproducts. <i>Journal of Chemical Physics</i> , 1990 , 92, 6332-6333	3.9	24
89	Collisional excitation of CO by 2.3 eV H atoms. <i>Journal of Chemical Physics</i> , 1991 , 94, 1141-1149	3.9	24
88	Photo-tautomerization of acetaldehyde as a photochemical source of formic acid in the troposphere. <i>Nature Communications</i> , 2018 , 9, 2584	17.4	23
87	Advancing Chemistry by Enhancing Learning in the Laboratory (ACELL): a model for providing professional and personal development and facilitating improved student laboratory learning outcomes. <i>Chemistry Education Research and Practice</i> , 2007 , 8, 232-254	2.1	23
86	Observation of the d3Pi(g). <i>Journal of Chemical Physics</i> , 2006 , 125, 231101	3.9	23
85	Fully state-resolved photodissociation of formaldehyde, H2CO \rightarrow H + HCO:K conservation and a rigorous test of statistical theories. <i>Journal of Chemical Physics</i> , 2005 , 122, 194312	3.9	23
84	Near Threshold Photochemistry of Propanal. Barrier Height, Transition State Structure, and Product State Distributions for the HCO Channel. <i>Journal of Physical Chemistry A</i> , 2002 , 106, 5817-5827	2.8	23

83	Experimental and theoretical investigation of triple fragmentation in the photodissociation dynamics of H ₂ CO. <i>Journal of Physical Chemistry A</i> , 2013 , 117, 12091-103	2.8	22
82	Identification of the jet-cooled 1-indanyl radical by electronic spectroscopy. <i>Journal of Physical Chemistry A</i> , 2009 , 113, 10279-83	2.8	22
81	Nascent state distribution of HCO photoproduct arising from 309 nm photolysis of propionaldehyde. <i>The Journal of Physical Chemistry</i> , 1995 , 99, 12704-12710		22
80	Vibrational relaxation induced by very low energy collisions in the S ₁ (1B _{2u}) state of naphthalene: a search for resonance enhancement of the cross section. <i>The Journal of Physical Chemistry</i> , 1988 , 92, 3751-3760 ²²		
79	Spectroscopy of the A(1B ₂)-X(1A ₁) transition of jet-cooled fluorobenzene: laser-induced fluorescence, dispersed fluorescence, and pathological Fermi resonances. <i>Journal of Chemical Physics</i> , 2007 , 127, 094303	3.9	21
78	Sequence Structure Emission in the Red Rectangle Bands. <i>Astrophysical Journal</i> , 2006 , 639, 194-203	4.7	21
77	Chemistry. Roaming reaction pathways along excited states. <i>Science</i> , 2012 , 335, 1054-5	33.3	20
76	The photodissociation dynamics of CBr excited into the $\pi^*(1A')$ state. <i>Journal of Chemical Physics</i> , 1999 , 110, 11789-11797	3.9	20
75	A new design for a simple and effective pyrolysis nozzle in a supersonic free jet. <i>Review of Scientific Instruments</i> , 1996 , 67, 283-287	1.7	20
74	Observation of the predissociated, quasilinear B(1A') state of CHF by optical-optical double resonance. <i>Journal of Chemical Physics</i> , 2007 , 126, 051105	3.9	19
73	The electronic spectroscopy of jet-cooled m-difluorobenzene. <i>Journal of Chemical Physics</i> , 1995 , 103, 6426-6439	3.9	19
72	Photodissociation dynamics of the reaction H ₂ CO \rightarrow H+HCO via the singlet (S ₀) and triplet (T ₁) surfaces. <i>Journal of Chemical Physics</i> , 2007 , 127, 064302	3.9	17
71	Laser-induced fluorescence excitation and dispersed fluorescence spectroscopy of the $\pi^*(1B_1)$ ($\pi^*(1A_1)$) transition of dichlorocarbene. <i>Physical Chemistry Chemical Physics</i> , 2005 , 7, 100-108	3.6	17
70	Photodissociation dynamics of the reaction CF ₂ Br ₂ +h ν \rightarrow CF ₂ +2Br. Energetics, threshold and nascent CF ₂ energy distributions for λ 223-60 nm. <i>Physical Chemistry Chemical Physics</i> , 2000 , 2, 2539-2547	3.6	17
69	Translational temperature dependence of mode-to-mode vibrational energy flow in 1B _{3u} naphthalene induced by low energy collisions with Ar. <i>Journal of Chemical Physics</i> , 1983 , 79, 2869-2880	3.9	17
68	Formaldehyde roaming dynamics: Comparison of quasi-classical trajectory calculations and experiments. <i>Journal of Chemical Physics</i> , 2017 , 147, 013936	3.9	16
67	Hydroxyl addition to aromatic alkenes: resonance-stabilized radical intermediates. <i>Journal of Physical Chemistry A</i> , 2012 , 116, 7906-15	2.8	16
66	Excitation and emission spectra of jet-cooled naphthylmethyl radicals. <i>Journal of Physical Chemistry A</i> , 2011 , 115, 7959-65	2.8	16

65	The S1(1A1)-S0(1A1) Electronic Transition of Jet-Cooled o-Difluorobenzene. <i>Journal of Molecular Spectroscopy</i> , 1998 , 191, 49-67	1.3	16
64	Level dependence of vibrational relaxation rates in S0 p-difluorobenzene in the range $\bar{\nu}_{\text{lib}}=1500\text{--}300\text{ cm}^{-1}$: Large efficiencies with He as a collision partner. <i>Journal of Chemical Physics</i> , 1986 , 85, 6234-6235	3.9	16
63	Rotational resonances in the HCO roaming reaction are revealed by detailed correlations. <i>Science</i> , 2020 , 369, 1592-1596	33.3	16
62	Resonance-Enhanced 2-Photon Ionization Scheme for C2 through a Newly Identified Band System: 4(3) $\bar{\nu}$ -a(3) $\bar{\nu}$. <i>Journal of Physical Chemistry A</i> , 2015 , 119, 12102-8	2.8	15
61	Reassignment of the CH stretching frequency of CHF in the A electronic state. <i>Journal of Chemical Physics</i> , 2004 , 120, 3517-8	3.9	15
60	Development, Evaluation and Use of a Student Experience Survey in Undergraduate Science Laboratories: The Advancing Science by Enhancing Learning in the Laboratory Student Laboratory Learning Experience Survey. <i>International Journal of Science Education</i> , 2015 , 37, 1795-1814	2.2	14
59	Is there resonance enhancement of the cross section for vibrational relaxation induced by very low energy collisions? The I2He system revisited. <i>Journal of Chemical Physics</i> , 1988 , 89, 6777-6784	3.9	14
58	Dynamics and quantum yields of H + CHCO as a primary photolysis channel in CHCHO. <i>Physical Chemistry Chemical Physics</i> , 2019 , 21, 14284-14295	3.6	13
57	Triple-Resonance Spectroscopy Reveals the Excitation Spectrum of Very Cold, Isomer-Specific Protonated Naphthalene. <i>Journal of Physical Chemistry Letters</i> , 2013 , 4, 3728-3732	6.4	13
56	Dissociation energy and vibrational predissociation dynamics of the ammonia dimer. <i>Journal of Chemical Physics</i> , 2011 , 135, 084312	3.9	13
55	Quantum Chemical Determination of the Equilibrium Geometries and Harmonic Vibrational Frequencies of 1,1 $\bar{\nu}$ 1,2 $\bar{\nu}$ and 2,2 $\bar{\nu}$ Binaphthyl in Their Ground and Excited (1La) Electronic States. <i>Journal of Physical Chemistry A</i> , 2004 , 108, 172-184	2.8	13
54	Rovibronic spectroscopy of the transition in the bromochloromethylene radical. <i>Journal of Molecular Spectroscopy</i> , 2003 , 220, 137-149	1.3	13
53	Photodissociation of acetone from 266 to 312 nm: Dynamics of CH + CHCO channels on the S and T states. <i>Journal of Chemical Physics</i> , 2017 , 146, 044304	3.9	12
52	The Electronic Spectroscopy of 2,2 $\bar{\nu}$ Binaphthyl in Solution, Cryogenic Matrix and Supersonic Jet. <i>Journal of Physical Chemistry A</i> , 2000 , 104, 7442-7451	2.8	12
51	Photodissociation dynamics of NO2 at moderately high energy ($\bar{\nu}=309.1\text{ nm}$; $E_{\text{avail}}=7222\text{ cm}^{-1}$). <i>Journal of Chemical Physics</i> , 1995 , 103, 194-204	3.9	12
50	Temperature dependence of vibrational relaxation in the very-low-energy collision regime: The ground electronic state of p-difluorobenzene prepared by stimulated emission pumping. <i>Journal of Chemical Physics</i> , 1990 , 93, 3151-3159	3.9	12
49	The ionization energy of C2. <i>Journal of Chemical Physics</i> , 2016 , 144, 144305	3.9	11
48	Infrared Spectra of Gas-Phase 1- and 2-Propenol Isomers. <i>Journal of Physical Chemistry A</i> , 2017 , 121, 3679-3688	10	

47	Interconversion of Methyltropylium and Xylyl Radicals: A Pathway Unavailable to the Benzyl-Tropylium Rearrangement. <i>Journal of Physical Chemistry A</i> , 2018 , 122, 1261-1269	2.8	10
46	Aliphatic hydrocarbon content of interstellar dust. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018 , 479, 4336-4344	4.3	10
45	Ionization energies of three resonance-stabilized radicals: cyclohexadienyl (dn, n = 0, 1, 6, 7), 1-phenylpropargyl, and methylcyclohexadienyl. <i>Journal of Physical Chemistry A</i> , 2014 , 118, 10252-8	2.8	10
44	Experimental and theoretical investigation of the dispersed fluorescence spectroscopy of HC4S. <i>Journal of Chemical Physics</i> , 2006 , 124, 194310	3.9	10
43	Photodissociation dynamics of 3-cyclopentenone: using the impact parameter distribution as a criterion for concertedness. <i>The Journal of Physical Chemistry</i> , 1992 , 96, 4188-4195		10
42	Temperature dependence of state-to-state vibrational relaxation from the 441(1B2u) state of naphthalene induced by very low energy collisions with argon. <i>Journal of Chemical Physics</i> , 1990 , 93, 4766-4778 ¹⁰	2.9	10
41	The 193-nm photodissociation of cyclobutanone: dynamics of the C2 and C3 channels. <i>The Journal of Physical Chemistry</i> , 1990 , 94, 3031-3039		10
40	Collision-free lifetimes of vibrational levels in S0 p-difluorobenzene: a view of IVR and an application of SEP-SVLF spectroscopy. <i>The Journal of Physical Chemistry</i> , 1987 , 91, 1004-1006		10
39	Optical-optical double resonance spectroscopy of the quasi-linear S2 state of CHF and CDF. II. Predissociation and mode-specific dynamics. <i>Journal of Chemical Physics</i> , 2011 , 135, 104316	3.9	9
38	Spectroscopy and dynamics of the predissociated, quasi-linear S2 state of chlorocarbene. <i>Journal of Chemical Physics</i> , 2012 , 137, 104307	3.9	9
37	Unraveling the A(1)B1. <i>Journal of Physical Chemistry A</i> , 2008 , 112, 11355-62	2.8	9
36	Quantum chemical computation of the spectroscopic constants of the X(1A ₁), a(1B ₁) and A(1A ₁) states of CBrCl and its heat of formation. <i>Chemical Physics Letters</i> , 2005 , 405, 258-264	2.5	9
35	First observation of the 3 Σ 3 state of C: Born-Oppenheimer breakdown. <i>Journal of Chemical Physics</i> , 2017 , 146, 134306	3.9	8
34	Atmospheric oxidation intermediates: Laser spectroscopy of resonance-stabilized radicals from p-cymene. <i>Chemical Physics Letters</i> , 2015 , 620, 129-133	2.5	8
33	Hydrogen-atom attack on phenol and toluene is ortho-directed. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 8625-36	3.6	8
32	On the electronic spectroscopy of closed-shell cations derived from resonance-stabilized radicals: Insights from theory and Franck-Condon analysis. <i>Astronomy and Astrophysics</i> , 2012 , 541, A8	5.1	8
31	Optical-optical double resonance spectroscopy of the quasi-linear S2 state of CHF and CDF. I. Spectroscopic analysis. <i>Journal of Chemical Physics</i> , 2011 , 135, 104315	3.9	8
30	Quantitative (ϵ , N, Ka) product state distributions near the triplet threshold for the reaction H ₂ CO \rightarrow H + HCO measured by Rydberg tagging and laser-induced fluorescence. <i>Journal of Physical Chemistry A</i> , 2008 , 112, 9283-9	2.8	8

29	Excitation spectra of the jet-cooled 4-phenylbenzyl and 4-(4'-methylphenyl)benzyl radicals. <i>Journal of Physical Chemistry A</i> , 2012 , 116, 10780-5	2.8	7
28	Rotational State Dependent Fluorescence Lifetimes in CF ₂ . <i>Journal of Molecular Spectroscopy</i> , 1998 , 192, 449-451	1.3	7
27	Semiempirical Model of Vibrational Relaxation for Estimating Absolute Rate Coefficients. <i>Journal of Physical Chemistry A</i> , 2003 , 107, 10813-10825	2.8	7
26	H and D attachment to naphthalene: spectra and thermochemistry of cold gas-phase 1-C ₁₀ H ₉ and 1-C ₁₀ H ₈ D radicals and cations. <i>Journal of Physical Chemistry A</i> , 2015 , 119, 3225-32	2.8	6
25	Photodissociation dynamics of propanal and isobutanal: The Norrish Type I pathway. <i>Journal of Chemical Physics</i> , 2018 , 148, 164308	3.9	6
24	The e ^g 3 state of C: A pathway to dissociation. <i>Journal of Chemical Physics</i> , 2017 , 147, 024305	3.9	6
23	Educational analysis of the first year chemistry experiment Thermodynamics Think-In. An ACELL experiment. <i>Chemistry Education Research and Practice</i> , 2007 , 8, 255-273	2.1	6
22	Pulsed oscillating mass spectrometer: a miniaturized type of time-of-flight mass spectrometer. <i>Analytical Chemistry</i> , 2005 , 77, 4448-52	7.8	6
21	Rotational analysis of the HCO B(2A ⁺)-X(2A ⁺)311 and 321 bands. <i>Journal of Molecular Spectroscopy</i> , 2006 , 237, 163-173	1.3	6
20	Zero-point energy conservation in classical trajectory simulations: Application to HCO. <i>Journal of Chemical Physics</i> , 2018 , 148, 194113	3.9	6
19	A disconnect between staff and student perceptions of learning: an ACELL educational analysis of the first year undergraduate chemistry experiment Investigating sugar using a home made polarimeter. <i>Chemistry Education Research and Practice</i> , 2011 , 12, 469-477	2.1	5
18	Laser-induced fluorescence spectrum of 3-vinyl-1H-indene. <i>Journal of Physical Chemistry A</i> , 2007 , 111, 3306-12	2.8	5
17	An experimental and theoretical investigation of the triple fragmentation of CFClBr ₂ by photolysis near 250 nm. <i>Chemical Physics Letters</i> , 2003 , 370, 469-477	2.5	5
16	Structural Effects on the Norrish Type I Bond Cleavage of Tropospherically Important Carbonyls. <i>Journal of Physical Chemistry A</i> , 2019 , 123, 10381-10396	2.8	5
15	Reassignment of the C-Cl stretching frequency in the (1A ⁺) state of CBrCl. <i>Journal of Molecular Spectroscopy</i> , 2005 , 231, 96-97	1.3	4
14	A rapid radiochemical bacterial bioassay to evaluate copper toxicity in freshwaters. <i>Archives of Environmental Contamination and Toxicology</i> , 2005 , 49, 471-9	3.2	4
13	Electronic Spectroscopy of Jet-Cooled 1,2-Binaphthyl. <i>Journal of Physical Chemistry A</i> , 2001 , 105, 5111-5118	5.1	4
12	Quantum-Induced Symmetry Breaking in the Deuterated Dihydroanthracenyl Radical. <i>Journal of Physical Chemistry A</i> , 2019 , 123, 6711-6719	2.8	3

11	The timing of an experiment in the laboratory program is crucial for the student laboratory experience: acylation of ferrocene as a case study. <i>Chemistry Education Research and Practice</i> , 2013 , 14, 476-484	2.1	3
10	Jet-Cooled Spectroscopy of ortho-Hydroxycyclohexadienyl Radicals. <i>Journal of Physical Chemistry A</i> , 2018 , 122, 8886-8897	2.8	3
9	Photodissociation of dicarbon: How nature breaks an unusual multiple bond.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	3
8	Photodissociation dynamics of CFCHO: C-C bond cleavage. <i>Journal of Chemical Physics</i> , 2021 , 155, 204303.	3.9	2
7	What Makes a Good Laboratory Learning Exercise? Student Feedback from the ACELL Project 2009 , 363-376		2
6	Electronic spectroscopy of the $B\sim(0,0,0)\leftarrow X\sim(0,0,0)$ transition of DCO and lifetimes and relative quantum yields of the $B\sim(0,0,0)$ state. <i>Journal of Molecular Spectroscopy</i> , 2011 , 270, 33-39	1.3	1
5	Two-dimensional fluorescence spectroscopy for the identification of discharge intermediates. <i>Journal of Physics: Conference Series</i> , 2009 , 185, 012037	0.3	1
4	Disentangling the $H_2E, F(1\bar{g}^+)(v_2=0\bar{1}8)\leftarrow X(1\bar{g}^+)(v_2=3\bar{9})(2+1)$ REMPI spectrum via 2D velocity-mapped imaging. <i>Molecular Physics</i> , 2021 , 119, e1836412	1.7	1
3	An assessment of the troposphericly accessible photo-initiated ground state chemistry of organic carbonyls. <i>Atmospheric Chemistry and Physics</i> , 2022 , 22, 929-949	6.8	0
2	PROBING VIBRATIONAL RELAXATION WITH STIMULATED EMISSION PUMPING SPECTROSCOPY. <i>Advanced Series in Physical Chemistry</i> , 1995 , 575-618		
1	The dynamics of CO production from the photolysis of acetone across the whole $S\leftarrow S$ absorption spectrum: Roaming and triple fragmentation pathways.. <i>Journal of Chemical Physics</i> , 2022 , 156, 094303	3.9	