Scott H Kable

List of Publications by Year in Descending Order

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	An assessment of the tropospherically accessible photo-initiated ground state chemistry of organic carbonyls. *Atmospheric Chemistry and Physics*, **2022**, 22, 929-949	6.8	0
135	The dynamics of CO production from the photolysis of acetone across the whole S <- S absorption spectrum: Roaming and triple fragmentation pathways.. *Journal of Chemical Physics*, **2022**, 156, 094303	3.9	
134	Photodissociation dynamics of CFCHO: C-C bond cleavage. *Journal of Chemical Physics*, **2021**, 155, 204303	3.9	2
133	Disentangling the H2E, F(1Σ+) (v?=0–18)<-X(1Σ+)(v?=3–9)(2+1) REMPI spectrum via 2D velocity-mapped imaging. *Molecular Physics*, **2021**, 119, e1836412	1.7	1
132	Photodissociation of dicarbon: How nature breaks an unusual multiple bond.. *Proceedings of the National Academy of Sciences of the United States of America*, **2021**, 118,	11.5	3
131	Rotational resonances in the HCO roaming reaction are revealed by detailed correlations. *Science*, **2020**, 369, 1592-1596	33.3	16
130	Dynamics and quantum yields of H + CHCO as a primary photolysis channel in CHCHO. *Physical Chemistry Chemical Physics*, **2019**, 21, 14284-14295	3.6	13
129	Quantum-Induced Symmetry Breaking in the Deuterated Dihydroanthracenyl Radical. *Journal of Physical Chemistry A*, **2019**, 123, 6711-6719	2.8	3
128	Structural Effects on the Norrish Type I α-Bond Cleavage of Tropospherically Important Carbonyls. *Journal of Physical Chemistry A*, **2019**, 123, 10381-10396	2.8	5
127	Multihydroxy-Anthraquinone Derivatives as Free Radical and Cationic Photoinitiators of Various Photopolymerizations under Green LED. *Macromolecular Rapid Communications*, **2018**, 39, e1800172	4.8	24
126	Interconversion of Methyltropyl and Xylyl Radicals: A Pathway Unavailable to the Benzyl-Tropyl Rearrangement. *Journal of Physical Chemistry A*, **2018**, 122, 1261-1269	2.8	10
125	Photodissociation dynamics of propanal and isobutanal: The Norrish Type I pathway. *Journal of Chemical Physics*, **2018**, 148, 164308	3.9	6
124	Photo-tautomerization of acetaldehyde as a photochemical source of formic acid in the troposphere. *Nature Communications*, **2018**, 9, 2584	17.4	23
123	Aliphatic hydrocarbon content of interstellar dust. *Monthly Notices of the Royal Astronomical Society*, **2018**, 479, 4336-4344	4.3	10
122	Jet-Cooled Spectroscopy of ortho-Hydroxycyclohexadienyl Radicals. *Journal of Physical Chemistry A*, **2018**, 122, 8886-8897	2.8	3
121	Zero-point energy conservation in classical trajectory simulations: Application to HCO. *Journal of Chemical Physics*, **2018**, 148, 194113	3.9	6
120	Photodissociation of acetone from 266 to 312 nm: Dynamics of CH + CHCO channels on the S and T states. *Journal of Chemical Physics*, **2017**, 146, 044304	3.9	12

119	Infrared Spectra of Gas-Phase 1- and 2-Propenol Isomers. *Journal of Physical Chemistry A*, **2017**, 121, 3679-3688	2.8	10
118	Formaldehyde roaming dynamics: Comparison of quasi-classical trajectory calculations and experiments. *Journal of Chemical Physics*, **2017**, 147, 013936	3.9	16
117	The energy dependence of CO(v,J) produced from HCO via the transition state, roaming, and triple fragmentation channels. *Journal of Chemical Physics*, **2017**, 147, 013935	3.9	24
116	First observation of the 3g3 state of C: Born-Oppenheimer breakdown. *Journal of Chemical Physics*, **2017**, 146, 134306	3.9	8
115	The eg3 state of C: A pathway to dissociation. *Journal of Chemical Physics*, **2017**, 147, 024305	3.9	6
114	Hydrogen-atom attack on phenol and toluene is ortho-directed. *Physical Chemistry Chemical Physics* , **2016**, 18, 8625-36	3.6	8
113	The ionization energy of C2. *Journal of Chemical Physics*, **2016**, 144, 144305	3.9	11
112	Atmospheric oxidation intermediates: Laser spectroscopy of resonance-stabilized radicals from p-cymene. *Chemical Physics Letters*, **2015**, 620, 129-133	2.5	8
111	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. *International Journal of Science Education*, **2015**, 37, 1795-1814	2.2	14
110	H and D attachment to naphthalene: spectra and thermochemistry of cold gas-phase 1-C10H9 and 1-C10H8D radicals and cations. *Journal of Physical Chemistry A*, **2015**, 119, 3225-32	2.8	6
109	Resonance-Enhanced 2-Photon Ionization Scheme for C2 through a Newly Identified Band System: 4(3)g-a(3)u. *Journal of Physical Chemistry A*, **2015**, 119, 12102-8	2.8	15
108	A new role of curcumin: as a multicolor photoinitiator for polymer fabrication under household UV to red LED bulbs. *Polymer Chemistry*, **2015**, 6, 5053-5061	4.9	75
107	Ionization energies of three resonance-stabilized radicals: cyclohexadienyl (dn, n = 0, 1, 6, 7), 1-phenylpropargyl, and methylcyclohexadienyl. *Journal of Physical Chemistry A*, **2014**, 118, 10252-8	2.8	10
106	Two roaming pathways in the photolysis of CH3CHO between 328 and 308 nm. *Chemical Science*, **2014**, 5, 4633-4638	9.4	43
105	Quantification of collagen I in airway tissues using second harmonic generation. *Journal of Biomedical Optics*, **2014**, 19, 36005	3.5	32
104	The timing of an experiment in the laboratory program is crucial for the student laboratory experience: acylation of ferrocene as a case study. *Chemistry Education Research and Practice*, **2013**, 14, 476-484	2.1	3
103	A phase space theory for roaming reactions. *Journal of Physical Chemistry A*, **2013**, 117, 7631-42	2.8	25
102	Triple-Resonance Spectroscopy Reveals the Excitation Spectrum of Very Cold, Isomer-Specific Protonated Naphthalene. *Journal of Physical Chemistry Letters*, **2013**, 4, 3728-3732	6.4	13

101	Experimental and theoretical investigation of triple fragmentation in the photodissociation dynamics of H2CO. *Journal of Physical Chemistry A*, **2013**, 117, 12091-103	2.8	22
100	Photo-tautomerization of acetaldehyde to vinyl alcohol: a potential route to tropospheric acids. *Science*, **2012**, 337, 1203-6	33.3	79
99	Product state and speed distributions in photochemical triple fragmentations. *Faraday Discussions*, **2012**, 157, 227-41; discussion 243-84	3.6	26
98	Hydroxyl addition to aromatic alkenes: resonance-stabilized radical intermediates. *Journal of Physical Chemistry A*, **2012**, 116, 7906-15	2.8	16
97	Excitation spectra of the jet-cooled 4-phenylbenzyl and 4-(4'-methylphenyl)benzyl radicals. *Journal of Physical Chemistry A*, **2012**, 116, 10780-5	2.8	7
96	Phototautomerization of Acetaldehyde to Vinyl Alcohol: A Primary Process in UV-Irradiated Acetaldehyde from 295 to 335 nm. *Journal of Physical Chemistry Letters*, **2012**, 3, 3522-6	6.4	45
95	On the electronic spectroscopy of closed-shell cations derived from resonance-stabilized radicals: Insights from theory and Franck-Condon analysis. *Astronomy and Astrophysics*, **2012**, 541, A8	5.1	8
94	Chemistry. Roaming reaction pathways along excited states. *Science*, **2012**, 335, 1054-5	33.3	20
93	Spectroscopy and dynamics of the predissociated, quasi-linear S2 state of chlorocarbene. *Journal of Chemical Physics*, **2012**, 137, 104307	3.9	9
92	Dissociation energy and vibrational predissociation dynamics of the ammonia dimer. *Journal of Chemical Physics*, **2011**, 135, 084312	3.9	13
91	Near-threshold H/D exchange in CD□HO photodissociation. *Nature Chemistry*, **2011**, 3, 443-8	17.6	53
90	Electronic spectroscopy of the B~(0,0,0)<-X~(0,0,0) transition of DCO and lifetimes and relative quantum yields of the B~(0,0,0) state. *Journal of Molecular Spectroscopy*, **2011**, 270, 33-39	1.3	1
89	A disconnect between staff and student perceptions of learning: an ACELL educational analysis of the first year undergraduate chemistry experiment □nvestigating sugar using a home made polarimeter□*Chemistry Education Research and Practice*, **2011**, 12, 469-477	2.1	5
88	Excitation and emission spectra of jet-cooled naphthylmethyl radicals. *Journal of Physical Chemistry A*, **2011**, 115, 7959-65	2.8	16
87	Optical-optical double resonance spectroscopy of the quasi-linear S2 state of CHF and CDF. I. Spectroscopic analysis. *Journal of Chemical Physics*, **2011**, 135, 104315	3.9	8
86	Optical-optical double resonance spectroscopy of the quasi-linear S2 state of CHF and CDF. II. Predissociation and mode-specific dynamics. *Journal of Chemical Physics*, **2011**, 135, 104316	3.9	9
85	Theoretical and Experimental Spectroscopy of the S2 State of CHF and CDF: Dynamically Weighted Multireference Configuration Interaction Calculations for High-Lying Electronic States. *Journal of Physical Chemistry Letters*, **2010**, 1, 641-646	6.4	52
84	Quantum chemical study and experimental observation of a new band system of C(2), e 3Pi(g)-c 3Sigma(u)+. *Journal of Chemical Physics*, **2009**, 131, 044301	3.9	27

83	The halocarbenes: model systems for understanding the spectroscopy, dynamics and chemistry of carbenes. *International Reviews in Physical Chemistry*, **2009**, 28, 435-480	7	41
82	Photochemical formation of HCO and CH3 on the ground S0 (1A') state of CH3CHO. *Journal of Chemical Physics*, **2009**, 130, 054310	3.9	39
81	Laser-induced fluorescence and dispersed fluorescence spectroscopy of jet-cooled 1-phenylpropargyl radical. *Journal of Chemical Physics*, **2009**, 130, 144313	3.9	27
80	Identification of the jet-cooled 1-indanyl radical by electronic spectroscopy. *Journal of Physical Chemistry A*, **2009**, 113, 10279-83	2.8	22
79	Spectroscopic identification of the resonance-stabilized cis- and trans-1-vinylpropargyl radicals. *Journal of the American Chemical Society*, **2009**, 131, 13423-9	16.4	40
78	Two-dimensional fluorescence spectroscopy for the identification of discharge intermediates. *Journal of Physics: Conference Series*, **2009**, 185, 012037	0.3	1
77	What Makes a Good Laboratory Learning Exercise? Student Feedback from the ACELL Project **2009**, 363-376		2
76	Unraveling the A(1)B1 . *Journal of Physical Chemistry A*, **2008**, 112, 11355-62	2.8	9
75	Spectroscopic observation of the resonance-stabilized 1-phenylpropargyl radical. *Journal of the American Chemical Society*, **2008**, 130, 3137-42	16.4	62
74	Quantitative (upsilon, N, Ka) product state distributions near the triplet threshold for the reaction H2CO --> H + HCO measured by Rydberg tagging and laser-induced fluorescence. *Journal of Physical Chemistry A*, **2008**, 112, 9283-9	2.8	8
73	Roaming is the dominant mechanism for molecular products in acetaldehyde photodissociation. *Proceedings of the National Academy of Sciences of the United States of America*, **2008**, 105, 12719-24	11.5	169
72	Educational analysis of the first year chemistry experiment Thermodynamics Think-In an ACELL experiment. *Chemistry Education Research and Practice*, **2007**, 8, 255-273	2.1	6
71	Advancing Chemistry by Enhancing Learning in the Laboratory (ACELL): a model for providing professional and personal development and facilitating improved student laboratory learning outcomes. *Chemistry Education Research and Practice*, **2007**, 8, 232-254	2.1	23
70	Laser-induced fluorescence spectrum of 3-vinyl-1H-indene. *Journal of Physical Chemistry A*, **2007**, 111, 3306-12	2.8	5
69	Observation of the predissociated, quasilinear B(1A') state of CHF by optical-optical double resonance. *Journal of Chemical Physics*, **2007**, 126, 051105	3.9	19
68	The d (3)Pi(g)-c (3)Sigma(u) (+) band system of C2. *Journal of Chemical Physics*, **2007**, 127, 214303	3.9	33
67	Spectroscopy of the A(1B2)-X(1A1) transition of jet-cooled fluorobenzene: laser-induced fluorescence, dispersed fluorescence, and pathological Fermi resonances. *Journal of Chemical Physics*, **2007**, 127, 094303	3.9	21
66	Photodissociation dynamics of the reaction H2CO-->H+HCO via the singlet (S0) and triplet (T1) surfaces. *Journal of Chemical Physics*, **2007**, 127, 064302	3.9	17

65	A classical trajectory study of the photodissociation of T1 acetaldehyde: the transition from impulsive to statistical dynamics. *Journal of Chemical Physics*, **2006**, 124, 044302	3.9	33
64	Photodissociation of acetaldehyde as a second example of the roaming mechanism. *Proceedings of the National Academy of Sciences of the United States of America*, **2006**, 103, 16079-82	11.5	176
63	Experimental and theoretical investigation of the dispersed fluorescence spectroscopy of HC4S. *Journal of Chemical Physics*, **2006**, 124, 194310	3.9	10
62	Observation of the d3Pi(g). *Journal of Chemical Physics*, **2006**, 125, 231101	3.9	23
61	Signatures of H2CO photodissociation from two electronic states. *Science*, **2006**, 311, 1443-6	33.3	65
60	Two-dimensional fluorescence (excitation/emission) spectroscopy as a probe of complex chemical environments. *Journal of Physical Chemistry A*, **2006**, 110, 12355-9	2.8	42
59	Sequence Structure Emission in the Red Rectangle Bands. *Astrophysical Journal*, **2006**, 639, 194-203	4.7	21
58	Rotational analysis of the HCO B(2A?)-X(2A?)311 and 321 bands. *Journal of Molecular Spectroscopy*, **2006**, 237, 163-173	1.3	6
57	Structural evolution in a hydrothermal reaction between Nb2O5 and NaOH solution: from Nb2O5 grains to microporous Na2Nb2O6.2/3H2O fibers and NaNbO3 cubes. *Journal of the American Chemical Society*, **2006**, 128, 2373-84	16.4	166
56	Laser-induced fluorescence excitation and dispersed fluorescence spectroscopy of the (1B1)(1A1) transition of dichlorocarbene. *Physical Chemistry Chemical Physics*, **2005**, 7, 100-108	3.6	17
55	Pulsed oscillating mass spectrometer: a miniaturized type of time-of-flight mass spectrometer. *Analytical Chemistry*, **2005**, 77, 4448-52	7.8	6
54	Reassignment of the Cl stretching frequency in the (1A?) state of CBrCl. *Journal of Molecular Spectroscopy*, **2005**, 231, 96-97	1.3	4
53	Quantum chemical computation of the spectroscopic constants of the X(1A?),a(3A?)andA(1A?) states of CBrCl and its heat of formation. *Chemical Physics Letters*, **2005**, 405, 258-264	2.5	9
52	A rapid radiochemical bacterial bioassay to evaluate copper toxicity in freshwaters. *Archives of Environmental Contamination and Toxicology*, **2005**, 49, 471-9	3.2	4
51	Fully state-resolved photodissociation of formaldehyde, H2CO --> H + HCO:K conservation and a rigorous test of statistical theories. *Journal of Chemical Physics*, **2005**, 122, 194312	3.9	23
50	Reassignment of the CH stretching frequency of CHF in the A electronic state. *Journal of Chemical Physics*, **2004**, 120, 3517-8	3.9	15
49	Quantum Chemical Determination of the Equilibrium Geometries and Harmonic Vibrational Frequencies of 1,1 1,2and 2,2Binaphthyl in Their Ground and Excited (1La) Electronic States. *Journal of Physical Chemistry A*, **2004**, 108, 172-184	2.8	13
48	An experimental and theoretical investigation of the triple fragmentation of CFClBr2 by photolysis near 250 nm. *Chemical Physics Letters*, **2003**, 370, 469-477	2.5	5

47	Rovibronic spectroscopy of the transition in the bromochloromethylene radical. *Journal of Molecular Spectroscopy*, **2003**, 220, 137-149	1.3	13
46	Semiempirical Model of Vibrational Relaxation for Estimating Absolute Rate Coefficients. *Journal of Physical Chemistry A*, **2003**, 107, 10813-10825	2.8	7
45	Near Threshold Photochemistry of Propanal. Barrier Height, Transition State Structure, and Product State Distributions for the HCO Channel. *Journal of Physical Chemistry A*, **2002**, 106, 5817-5827	2.8	23
44	Electronic spectroscopy of jet-cooled CFCl: Laser-induced fluorescence, dispersed fluorescence, lifetimes, and C–Cl dissociation barrier. *Journal of Chemical Physics*, **2001**, 115, 11118-11130	3.9	26
43	Electronic Spectroscopy of Jet-Cooled 1,2-Binaphthyl. *Journal of Physical Chemistry A*, **2001**, 105, 5111-5118	2.8	4
42	Photodissociation dynamics of the reaction CF2Br2+hν→CF2+2Br. Energetics, threshold and nascent CF2 energy distributions for λ=223–260 nm. *Physical Chemistry Chemical Physics*, **2000**, 2, 2539-2547	3.6	17
41	The Electronic Spectroscopy of 2,2-Binaphthyl in Solution, Cryogenic Matrix and Supersonic Jet. *Journal of Physical Chemistry A*, **2000**, 104, 7442-7451	2.8	12
40	Characterization of the Ã(1A″) state of HCF by laser induced fluorescence spectroscopy. *Journal of Chemical Physics*, **1999**, 110, 11277-11285	3.9	38
39	The photodissociation dynamics of CFBr excited into the Ã(1A″) state. *Journal of Chemical Physics*, **1999**, 110, 11789-11797	3.9	20
38	Ab initio potential energy surface and vibrational frequencies of Ã(1A″) HCF. *Chemical Physics Letters*, **1998**, 292, 80-86	2.5	36
37	The S1(1A1)-S0(1A1) Electronic Transition of Jet-Cooled o-Difluorobenzene. *Journal of Molecular Spectroscopy*, **1998**, 191, 49-67	1.3	16
36	Rotational State Dependent Fluorescence Lifetimes in CF2. *Journal of Molecular Spectroscopy*, **1998**, 192, 449-451	1.3	7
35	Electronic spectroscopy and ab initio quantum chemical study of the Ã(1A″)–X̃ (1A′) transition of CFBr. *Journal of Chemical Physics*, **1998**, 109, 2220-2232	3.9	28
34	HCO (N,Ka,Kc,J) distributions from near-threshold photolysis of H2CO (J,Ka,Kc). *Journal of Chemical Physics*, **1998**, 108, 3187-3198	3.9	58
33	Pulsed-Laser Polymerization Measurements of the Propagation Rate Coefficient for Butyl Acrylate. *Macromolecules*, **1996**, 29, 1918-1927	5.5	120
32	Near threshold dynamics and dissociation energy of the reaction H2CO -> HCO + H. *Chemical Physics Letters*, **1996**, 258, 626-632	2.5	75
31	A new design for a simple and effective pyrolysis nozzle in a supersonic free jet. *Review of Scientific Instruments*, **1996**, 67, 283-287	1.7	20
30	Photodissociation dynamics of NO2 at moderately high energy (λ=309.1 nm; Eavail=7222 cm⁻¹). *Journal of Chemical Physics*, **1995**, 103, 194-204	3.9	12

29	The electronic spectroscopy of jet-cooled m-difluorobenzene. *Journal of Chemical Physics*, **1995**, 103, 6426-6439	3.9	19
28	Nascent state distribution of HCO photoproduct arising from 309 nm photolysis of propionaldehyde. *The Journal of Physical Chemistry*, **1995**, 99, 12704-12710		22
27	The electronic spectroscopy of jet-cooled difluorocarbene (CF2): The missing A -state stretching frequencies. *Journal of Chemical Physics*, **1995**, 103, 4476-4483	3.9	36
26	PROBING VIBRATIONAL RELAXATION WITH STIMULATED EMISSION PUMPING SPECTROSCOPY. *Advanced Series in Physical Chemistry*, **1995**, 575-618		
25	Dynamics of Acetaldehyde Dissociation at 308 nm: Rotational (N, Ka) and Translational Distributions of the HCO Photoproduct. *The Journal of Physical Chemistry*, **1994**, 98, 10802-10808		54
24	Measurement of propagation rate coefficients using pulsed-laser polymerization and matrix-assisted laser desorption/ionization mass spectrometry. *Macromolecules*, **1993**, 26, 6684-6685	5.5	41
23	Photodissociation dynamics of 3-cyclopentenone: using the impact parameter distribution as a criterion for concertedness. *The Journal of Physical Chemistry*, **1992**, 96, 4188-4195		10
22	Product distributions in the 157 nm photodissociation of CO2. *Journal of Chemical Physics*, **1992**, 96, 332-338	3.9	33
21	CO product distributions from the visible photodissociation of HCO. *Journal of Chemical Physics*, **1992**, 97, 9036-9045	3.9	31
20	Photofragment excitation spectroscopy of the formyl (HCO/DCO) radical: Linewidths and predissociation rates of the A (A′) state. *Journal of Chemical Physics*, **1991**, 94, 1796-1802	3.9	52
19	Dissociation dynamics of C3O2 excited at 157.6 nm. *Journal of Chemical Physics*, **1991**, 94, 1837-1849	3.9	28
18	Observation of a parallel recoil distribution from a perpendicular absorption transition in formyl radicals HCO and DCO. *The Journal of Physical Chemistry*, **1991**, 95, 8013-8018		33
17	Collisional excitation of CO by 2.3 eV H atoms. *Journal of Chemical Physics*, **1991**, 94, 1141-1149	3.9	24
16	The photochemistry of the formyl radical: Energy content of the photoproducts. *Journal of Chemical Physics*, **1990**, 92, 6332-6333	3.9	24
15	Temperature dependence of vibrational relaxation in the very-low-energy collision regime: The ground electronic state of p-difluorobenzene prepared by stimulated emission pumping. *Journal of Chemical Physics*, **1990**, 93, 3151-3159	3.9	12
14	Temperature dependence of state-to-state vibrational relaxation from the 441(1B2u) state of naphthalene induced by very low energy collisions with argon. *Journal of Chemical Physics*, **1990**, 93, 4766-4778	3.9	10
13	The 193-nm photodissociation of cyclobutanone: dynamics of the C2 and C3 channels. *The Journal of Physical Chemistry*, **1990**, 94, 3031-3039		10
12	Photodissociation dynamics of acetone at 193 nm: Photofragment internal and translational energy distributions. *Journal of Chemical Physics*, **1989**, 91, 7498-7513	3.9	129

11	Is there resonance enhancement of the cross section for vibrational relaxation induced by very low energy collisions? The I2–He system revisited. *Journal of Chemical Physics*, **1988**, 89, 6777-6784	3.9	14
10	The S1–S0(1B2u–1Ag) transition of p-difluorobenzene cooled in a supersonic free jet expansion. Excitation and dispersed fluorescence spectra, vibrational assignments, Fermi resonances, and forbidden transitions. *Journal of Chemical Physics*, **1988**, 89, 7139-7160	3.9	73
9	Collision partner and level dependence of vibrational relaxation in S0 p-difluorobenzene. Stimulated emission pumping combined with single vibronic level fluorescence spectroscopy. *Journal of Chemical Physics*, **1988**, 88, 4748-4764	3.9	31
8	Vibrational relaxation induced by very low energy collisions in the S1(1B2u) state of naphthalene: a search for resonance enhancement of the cross section. *The Journal of Physical Chemistry*, **1988**, 92, 3751-3760		22
7	Collision-free lifetimes of vibrational levels in S0 p-difluorobenzene: a view of IVR and an application of SEP-SVLF spectroscopy. *The Journal of Physical Chemistry*, **1987**, 91, 1004-1006		10
6	Stimulated emission pumping of p-difluorobenzene cooled in a supersonic free jet. Vibrational relaxation in S0 induced by very low energy collisions. *Journal of Chemical Physics*, **1987**, 86, 4709-4711	3.9	29
5	Level dependence of vibrational relaxation rates in S0 p-difluorobenzene in the range Evib=1500–3300 cm–1: Large efficiencies with He as a collision partner. *Journal of Chemical Physics*, **1986**, 85, 6234-6235	3.9	16
4	Laser-induced fluorescence measurement and analytical model for the reaction probability of CF2 on Si. *Journal of Applied Physics*, **1986**, 60, 2775-2777	2.5	37
3	Mode-dependent intramolecular vibrational redistribution in the S1 state of jet-cooled p-difluorobenzene. *The Journal of Physical Chemistry*, **1984**, 88, 2937-2940		30
2	Translational temperature dependence of mode-to-mode vibrational energy flow in 1B3u naphthalene induced by low energy collisions with Ar. *Journal of Chemical Physics*, **1983**, 79, 2869-2880	3.9	17
1	Evidence for mode-specific intramolecular vibrational redistribution in S1 p-difluorobenzene. *The Journal of Physical Chemistry*, **1982**, 86, 1244-1247		28