Ole J Nielsen

List of Publications by Year in Descending Order

214 papers	5,859 citations	42 h-index	62 g-index
226 ext. papers	6,242 ext. citations	3.8 avg, IF	5.14 L-index

#	Paper	IF	Citations
214	Atmospheric chemistry of CFCN: kinetics and products of reaction with OH radicals, Cl atoms and O.. *Physical Chemistry Chemical Physics*, **2022**, 24, 2638-2645	3.6	
213	Tropospheric photolysis of CF3CHO. *Atmospheric Environment*, **2022**, 272, 118935	5.3	0
212	The case for a more precise definition of regulated PFAS. *Environmental Sciences: Processes and Impacts*, **2021**,	4.3	2
211	The Global Warming Potentials for Anesthetic Gas Sevoflurane Need Significant Corrections. *Environmental Science & Technology*, **2021**, 55, 10189-10191	10.3	2
210	Reflection on two Ambio papers by P. J. Crutzen on ozone in the upper atmosphere : This article belongs to Ambio's 50th Anniversary Collection. Theme: Ozone Layer. *Ambio*, **2021**, 50, 40-43	6.5	0
209	Atmospheric Chemistry of CHOCFCHF.. *Journal of Physical Chemistry A*, **2021**, 125, 10640-10648	2.8	0
208	Chemical analysis and origin of the smell of line-dried laundry. *Environmental Chemistry*, **2020**, 17, 355	3.2	4
207	Theoretical study of hydroxyl radical (OH)-induced decomposition of tert-butyl methyl ether (MTBE). *Environmental Sciences: Processes and Impacts*, **2020**, 22, 1037-1044	4.3	1
206	Photochemistry of 2,2-dichloroethanol: kinetics and mechanism of the reaction with Cl atoms and OH radicals. *Environmental Sciences: Processes and Impacts*, **2020**, 22, 719-727	4.3	
205	Trichloroacetyl chloride, CClCOCl, as an alternative Cl atom precursor for laboratory use and determination of Cl atom rate coefficients for n-CH[double bond, length as m-dash]CH(CH)CN (x = 3-4). *Environmental Sciences: Processes and Impacts*, **2020**, 22, 1347-1354	4.3	
204	Quantum Yields and NO Formation from Photolysis of Solid Films of Neonicotinoids. *Journal of Agricultural and Food Chemistry*, **2019**, 67, 1638-1646	5.7	7
203	Atmospheric chemistry of CH3C(O)CN: Kinetics and reaction mechanisms with Cl atoms and OH radicals. *Chemical Physics Letters*, **2019**, 720, 128-133	2.5	
202	Atmospheric chemistry of a cyclic hydro-fluoro-carbon: kinetics and mechanisms of gas-phase reactions of 1-trifluoromethyl-1,2,2-trifluorocyclobutane with Cl atoms, OH radicals, and O. *Physical Chemistry Chemical Physics*, **2019**, 21, 1497-1505	3.6	1
201	Atmospheric Chemistry of Methoxyflurane (CH3OCF2CHCl2): Kinetics of the gas-phase reactions with OH radicals, Cl atoms and O3. *Chemical Physics Letters*, **2019**, 722, 119-123	2.5	5
200	Rate coefficients for reactions of OH radicals with CH3D, CH2D2, CHD3, and CD4. *International Journal of Chemical Kinetics*, **2019**, 51, 390-394	1.4	
199	Atmospheric Chemistry of Pentafluorophenol: Kinetics and Mechanism of the Reactions of Cl Atoms and OH Radicals. *Journal of Physical Chemistry A*, **2019**, 123, 10315-10322	2.8	1
198	Atmospheric Chemistry of n-CH?CH(CH) CN (x = 0-4): Kinetics and Mechanisms. *Journal of Physical Chemistry A*, **2018**, 122, 5983-5992	2.8	5

197	Atmospheric chemistry of (Z)-CFCH[double bond, length as m-dash]CHCl: products and mechanisms of the Cl atom, OH radical and O reactions, and role of (E)-(Z) isomerization. *Physical Chemistry Chemical Physics*, **2018**, 20, 27949-27958	3.6	0
196	Atmospheric chemistry of hexa- and penta-fluorobenzene: UV photolysis and kinetics and mechanisms of the reactions of Cl atoms and OH radicals. *Physical Chemistry Chemical Physics*, **2018**, 20, 28796-28809	3.6	4
195	Atmospheric chemistry of n-CH3(CH2)xCN (x□=□03): Kinetics and mechanisms. *International Journal of Chemical Kinetics*, **2018**, 50, 813-826	1.4	1
194	Reactions of Three Lactones with Cl, OD, and O: Atmospheric Impact and Trends in Furan Reactivity. *Journal of Physical Chemistry A*, **2017**, 121, 4123-4131	2.8	5
193	Atmospheric Chemistry of Halogenated Organic Compounds **2017**, 305-402		2
192	Atmospheric Chemistry of (CF)CF-C?N: A Replacement Compound for the Most Potent Industrial Greenhouse Gas, SF. *Environmental Science & Technology*, **2017**, 51, 1321-1329	10.3	65
191	Atmospheric chemistry of hexanenitrile: Kinetics and products of the gas-phase reactions of CH3(CH2)4CN with Cl atoms and OH radicals. *Chemical Physics Letters*, **2017**, 688, 7-10	2.5	2
190	Reaction kinetics of (CF3)2CFCN with OH radicals as a function of temperature (278□358 K): A good replacement for greenhouse SF6?. *Chemical Physics Letters*, **2017**, 687, 297-302	2.5	17
189	Atmospheric Chemistry of CH3CH2OCH3: Kinetics and Mechanism of Reactions with Cl Atoms and OH Radicals. *International Journal of Chemical Kinetics*, **2017**, 49, 10-20	1.4	7
188	Atmospheric chemistry of Z- and E-CFCH[double bond, length as m-dash]CHCF. *Physical Chemistry Chemical Physics*, **2016**, 19, 735-750	3.6	15
187	Atmospheric Chemistry of Tetrahydrofuran, 2-Methyltetrahydrofuran, and 2,5-Dimethyltetrahydrofuran: Kinetics of Reactions with Chlorine Atoms, OD Radicals, and Ozone. *Journal of Physical Chemistry A*, **2016**, 120, 7320-6	2.8	6
186	Atmospheric chemistry of E- and Z-CF3CH□=□CHCF3. *Qscience Proceedings*, **2016**, 2016, 49		
185	Atmospheric chemistry of CF3CF2OCH3. *Chemical Physics Letters*, **2016**, 653, 149-154	2.5	3
184	Atmospheric Chemistry of (CF3)2CHOCH3, (CF3)2CHOCHO, and CF3C(O)OCH3. *Journal of Physical Chemistry A*, **2015**, 119, 10540-52	2.8	12
183	Atmospheric chemistry of cis-CF3CH CHCl (HCFO-1233zd(Z)): Kinetics of the gas-phase reactions with Cl atoms, OH radicals, and O3. *Chemical Physics Letters*, **2015**, 639, 289-293	2.5	13
182	Atmospheric chemistry of short-chain haloolefins: photochemical ozone creation potentials (POCPs), global warming potentials (GWPs), and ozone depletion potentials (ODPs). *Chemosphere*, **2015**, 129, 135-41	8.4	54
181	Emissions characterization from EURO 5 diesel/biodiesel passenger car operating under the new European driving cycle. *Atmospheric Environment*, **2014**, 84, 339-348	5.3	44
180	Comment on "Airborne trifluoroacetic acid and its fraction from the degradation of HFC-134a in Beijing, China". *Environmental Science & Technology*, **2014**, 48, 9948	10.3	1

179	Atmospheric chemistry of (CF3)2CFOCH3. *Chemical Physics Letters*, **2014**, 607, 5-9	2.5	8
178	Re-evaluation of the reaction rate coefficient of CH3Br + OH with implications for the atmospheric budget of methyl bromide. *Atmospheric Environment*, **2013**, 80, 70-74	5.3	4
177	Sustainable Mobility, Future Fuels, and the Periodic Table. *Journal of Chemical Education*, **2013**, 90, 440-445	2.4	16
176	Atmospheric chemistry of CF3CH2OCH3: Reaction with chlorine atoms and OH radicals, kinetics, degradation mechanism and global warming potential. *Chemical Physics Letters*, **2012**, 524, 32-37	2.5	17
175	Atmospheric chemistry of CxF2x+1CHCH2 (x=1, 2, 4, 6 and 8): Radiative efficiencies and global warming potentials. *Journal of Photochemistry and Photobiology A: Chemistry*, **2012**, 233, 50-52	4.7	14
174	Atmospheric chemistry of ethyl propionate. *Journal of Physical Chemistry A*, **2012**, 116, 5164-79	2.8	22
173	Atmospheric chemistry of isoflurane, desflurane, and sevoflurane: kinetics and mechanisms of reactions with chlorine atoms and OH radicals and global warming potentials. *Journal of Physical Chemistry A*, **2012**, 116, 5806-20	2.8	55
172	Corn ethanol production, food exports, and indirect land use change. *Environmental Science & Technology*, **2012**, 46, 6379-84	10.3	36
171	Rate coefficients for the chemical reactions of CH2F2, CHClF2, CH2FCF3 and CH3CCl3 with O(1D) at 298 K. *Chemical Physics Letters*, **2012**, 554, 27-32	2.5	5
170	Atmospheric chemistry of t-CF3CH=CHCl: products and mechanisms of the gas-phase reactions with chlorine atoms and hydroxyl radicals. *Physical Chemistry Chemical Physics*, **2012**, 14, 1735-48	3.6	15
169	Medical intelligence article: assessing the impact on global climate from general anesthetic gases. *Anesthesia and Analgesia*, **2012**, 114, 1081-5	3.9	85
168	Atmospheric chemistry of two biodiesel model compounds: methyl propionate and ethyl acetate. *Journal of Physical Chemistry A*, **2011**, 115, 8906-19	2.8	29
167	Atmospheric chemistry of C2F5CH2OCH3 (HFE-365mcf). *Physical Chemistry Chemical Physics*, **2011**, 13, 2758-64	3.6	7
166	Solubility of acetic acid and trifluoroacetic acid in low-temperature (207-245 k) sulfuric acid solutions: implications for the upper troposphere and lower stratosphere. *Journal of Physical Chemistry A*, **2011**, 115, 4388-96	2.8	
165	Time horizons for transport climate impact assessments. *Environmental Science & Technology*, **2011**, 45, 3169-70; author reply 3167-8	10.3	3
164	Relative integrated IR absorption in the atmospheric window is not the same as relative radiative efficiency. *Proceedings of the National Academy of Sciences of the United States of America*, **2010**, 107, E178-9; author reply E180	11.5	4
163	Inhalation anaesthetics and climate change. *British Journal of Anaesthesia*, **2010**, 105, 760-6	5.4	99
162	Distillation Curves for Alcohol Gasoline Blends. *Energy & Fuels*, **2010**, 24, 2683-2691	4.1	89

161	Atmospheric chemistry of i-butanol. *Journal of Physical Chemistry A*, **2010**, 114, 12462-9	2.8	17
160	Vapor Pressures of Alcohol–Gasoline Blends. *Energy & Fuels*, **2010**, 24, 3647-3654	4.1	123
159	CHF2OCHF2 (HFE-134): IR spectrum and kinetics and products of the chlorine-atom-initiated oxidation. *Journal of Physical Chemistry A*, **2010**, 114, 4963-7	2.8	8
158	Atmospheric chemistry of HCF2O(CF2CF2O)xCF2H (x=2-4): kinetics and mechanisms of the chlorine-atom-initiated oxidation. *ChemPhysChem*, **2010**, 11, 4035-41	3.2	9
157	Theoretical study of the gas phase reaction of methyl acetate with the hydroxyl radical: Structures, mechanisms, rates and temperature dependencies. *Chemical Physics Letters*, **2010**, 490, 116-122	2.5	23
156	Kinetics of the reaction of Cl atoms with CHCl3 over the temperature range 253–313 K. *Chemical Physics Letters*, **2010**, 494, 160-162	2.5	
155	Kinetics of the gas-phase reactions of chlorine atoms with CH2F2, CH3CCl3, and CF3CFH2 over the temperature range 253–353 K. *International Journal of Chemical Kinetics*, **2009**, 41, 401-406	1.4	5
154	Methyl acetate reaction with OH and Cl: Reaction rates and products for a biodiesel analogue. *Chemical Physics Letters*, **2009**, 472, 23-29	2.5	9
153	Atmospheric chemistry of cis-CF3CHCHF: Kinetics of reactions with OH radicals and O3 and products of OH radical initiated oxidation. *Chemical Physics Letters*, **2009**, 473, 233-237	2.5	31
152	Atmospheric chemistry of n-butanol: kinetics, mechanisms, and products of Cl atom and OH radical initiated oxidation in the presence and absence of NO(x). *Journal of Physical Chemistry A*, **2009**, 113, 7011-20	2.8	28
151	Temperature and humidity dependence of secondary organic aerosol yield from the ozonolysis of β-pinene. *Atmospheric Chemistry and Physics*, **2009**, 9, 3583-3599	6.8	44
150	From Molecules to Droplets. *Advances in Quantum Chemistry*, **2008**, 55, 355-385	1.4	4
149	Atmospheric chemistry of 3-pentanol: kinetics, mechanisms, and products of Cl atom and OH radical initiated oxidation in the presence and absence of NOX. *Journal of Physical Chemistry A*, **2008**, 112, 8053-60	2.8	16
148	Comment on "Atmospheric chemistry of linear perfluorinated aldehydes: dissociation kinetics of CnF2n+1CO radicals". *Journal of Physical Chemistry A*, **2008**, 112, 576-7; discussion 577-8	2.8	2
147	Atmospheric chemistry of trans-CF₃CH=CHF: products and mechanisms of hydroxyl radical and chlorine atom initiated oxidation. *Atmospheric Chemistry and Physics*, **2008**, 8, 3141-3147	6.8	24
146	Kinetics and products of chlorine atom initiated oxidation of HCF2OCF2OCF2CF2OCF2H and HCF2O(CF2O)n-(CF2CF2O)mCF2H. *International Journal of Chemical Kinetics*, **2008**, 40, 819-825	1.4	11
145	Atmospheric chemistry of trans-CF3CHCHCl: Kinetics of the gas-phase reactions with Cl atoms, OH radicals, and O3. *Journal of Photochemistry and Photobiology A: Chemistry*, **2008**, 199, 92-97	4.7	38
144	Atmospheric chemistry of CF3CFCH2: Products and mechanisms of Cl atom and OH radical initiated oxidation. *Chemical Physics Letters*, **2008**, 450, 263-267	2.5	43

143	Atmospheric chemistry of CF3CH=CH2 and C4F9CH=CH2: products of the gas-phase reactions with Cl atoms and OH radicals. *Journal of Physical Chemistry A*, **2007**, 111, 909-15	2.8	32
142	Atmospheric chemistry of a model biodiesel fuel, CH3C(O)O(CH2)2OC(O)CH3: kinetics, mechanisms, and products of Cl atom and OH radical initiated oxidation in the presence and absence of NOx. *Journal of Physical Chemistry A*, **2007**, 111, 2547-54	2.8	8
141	Atmospheric chemistry of 2-ethoxy-3,3,4,4,5-pentafluorotetrahydro-2,5-bis[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]-furan: kinetics, mechanisms, and products of Cl atom and OH radical initiated oxidation. *Environmental Science & Technology*, **2007**, 41, 7389-95	10.3	5
140	Atmospheric chemistry of CF3CFCH2: Kinetics and mechanisms of gas-phase reactions with Cl atoms, OH radicals, and O3. *Chemical Physics Letters*, **2007**, 439, 18-22	2.5	196
139	Atmospheric chemistry of trans-CF3CHCHF: Kinetics of the gas-phase reactions with Cl atoms, OH radicals, and O3. *Chemical Physics Letters*, **2007**, 443, 199-204	2.5	78
138	The effect of nitrogen dioxide on particle formation during ozonolysis of two abundant monoterpenes indoors. *Atmospheric Environment*, **2006**, 40, 1030-1042	5.3	37
137	Formation of C7F15COOH (PFOA) and other perfluorocarboxylic acids during the atmospheric oxidation of 8:2 fluorotelomer alcohol. *Environmental Science & Technology*, **2006**, 40, 924-30	10.3	224
136	Atmospheric chemistry of perfluorinated aldehyde hydrates (n-C(x)F(2x+1)CH(OH)2, x = 1, 3, 4): hydration, dehydration, and kinetics and mechanism of Cl atom and OH radical initiated oxidation. *Journal of Physical Chemistry A*, **2006**, 110, 9854-60	2.8	26
135	Atmospheric chemistry of n-C(x)F(2)(x)(+1)CHO (x = 1, 2, 3, 4): fate of n-C(x)F(2)(x)(+1)C(O) radicals. *Journal of Physical Chemistry A*, **2006**, 110, 12443-7	2.8	34
134	Atmospheric chemistry of C4F9O(CH2)3OC4F9 and CF3CFHCF2O(CH2)3OCF3CFHCF2: Lifetimes, degradation products, and environmental impact. *Chemical Physics Letters*, **2006**, 427, 41-46	2.5	5
133	Atmospheric chemistry of 4:2 fluorotelomer alcohol (n-C4F9CH2CH2OH): products and mechanism of Cl atom initiated oxidation in the presence of NOx. *Journal of Physical Chemistry A*, **2005**, 109, 1849-56	2.8	30
132	Atmospheric chemistry of CF3OCF2CF2H and CF3OC(CF3)2H: reaction with Cl atoms and OH radicals, degradation mechanism, global warming potentials, and empirical relationship between k(OH) and k(Cl) for organic compounds. *Journal of Physical Chemistry A*, **2005**, 109, 3926-34	2.8	56
131	Atmospheric Photooxidation of Gas Phase Air Pollutants **2005**, 119-160		1
130	Prediction of indoor concentration of 0.5 µm particles of outdoor origin in an uninhabited apartment. *Atmospheric Environment*, **2004**, 38, 6349-6359	5.3	34
129	Atmospheric Chemistry of n-CxF2x+1CHO (x = 1, 3, 4): Mechanism of the CxF2x+1C(O)O2 + HO2 Reaction. *Journal of Physical Chemistry A*, **2004**, 108, 6325-6330	2.8	27
128	Atmospheric Chemistry of CF3CFHCF2OCF3 and CF3CFHCF2OCF2H: Reaction with Cl Atoms and OH Radicals, Degradation Mechanism, and Global Warming Potentials. *Journal of Physical Chemistry A*, **2004**, 108, 11333-11338	2.8	27
127	Atmospheric Chemistry of n-CxF2x+1CHO (x = 1, 3, 4): Reaction with Cl Atoms, OH Radicals and IR Spectra of CxF2x+1C(O)O2NO2. *Journal of Physical Chemistry A*, **2004**, 108, 5189-5196	2.8	41
126	Atmospheric Chemistry of CH3O(CF2CF2O)nCH3 (n = 1–3): Kinetics and Mechanism of Oxidation Initiated by Cl Atoms and OH Radicals, IR Spectra, and Global Warming Potentials. *Journal of Physical Chemistry A*, **2004**, 108, 1964-1972	2.8	35

125	Ranking of chemical substances based on the Japanese Pollutant Release and Transfer Register using partial order theory and random linear extensions. *Chemosphere*, **2004**, 55, 1005-25	8.4	22
124	Particle size distribution and particle mass measurements at urban,near-city and rural level in the Copenhagen area and Southern Sweden. *Atmospheric Chemistry and Physics*, **2004**, 4, 281-292	6.8	93
123	CF3CH(ONO)CF3: Synthesis, IR spectrum, and use as OH radical source for kinetic and mechanistic studies. *International Journal of Chemical Kinetics*, **2003**, 35, 159-165	1.4	6
122	Kinetics of the reaction of OH radicals with acetylene in 25–3000 torr of air at 296 K. *International Journal of Chemical Kinetics*, **2003**, 35, 191-197	1.4	50
121	Panspermia--true or false?. *Lancet, The*, **2003**, 362, 406; author reply 407-8	40	3
120	Infrared spectrum and global warming potential of SF5CF3. *Atmospheric Environment*, **2002**, 36, 1237-1240	3.3	32
119	UV absorption spectra of HO2, CH3O2, C2H5O2, and CH3C(O)CH2O2 radicals and mechanism of the reactions of F and Cl atoms with CH3C(O)CH3. *International Journal of Chemical Kinetics*, **2002**, 34, 283-291	1.4	28
118	A comparison of partial order technique with three methods of multi-criteria analysis for ranking of chemical substances. *Journal of Chemical Information and Computer Sciences*, **2002**, 42, 1086-98		62
117	Isotopic processes in atmospheric chemistry. *Chemical Society Reviews*, **2002**, 31, 313-23	58.5	61
116	Kinetics and Mechanism of the Gas-Phase Reaction of Cl Atoms and OH Radicals with Fluorobenzene at 296 K. *Journal of Physical Chemistry A*, **2002**, 106, 7779-7787	2.8	13
115	OH-initiated oxidation of benzene. *Physical Chemistry Chemical Physics*, **2002**, 4, 4399-4411	3.6	63
114	Comparison of the combined monitoring-based and modelling-based priority setting scheme with partial order theory and random linear extensions for ranking of chemical substances. *Chemosphere* , **2002**, 49, 637-49	8.4	23
113	Trifluoroacetic acid in ancient freshwater. *Atmospheric Environment*, **2001**, 35, 2799-2801	5.3	22
112	Comment on "Nighttime Tropospheric Chemistry: Kinetics and Product Studies in the Reaction of 4-Alkyl- and 4-Alkoxytoluenes with NO3 in Gas Phase" *Environmental Science & Technology*, **2000**, 34, 2875-2875	10.3	1
111	Kinetics and Mechanism of the Reaction of Cl Atoms with Nitrobenzene. *Journal of Physical Chemistry A*, **2000**, 104, 11328-11331	2.8	12
110	Atmospheric Chemistry of Trimethoxymethane, (CH3O)3CH; Laboratory Studies. *Journal of Physical Chemistry A*, **1999**, 103, 2632-2640	2.8	9
109	Atmospheric Chemistry of Cyclohexane: UV Spectra of c-C6H11• and (c-C6H11)O2• Radicals, Kinetics of the Reactions of (c-C6H11)O2• Radicals with NO and NO2, and the Fate of the Alkoxy Radical (c-C6H11)O• *Journal of Physical Chemistry A*, **1999**, 103, 2688-2695	2.8	52
108	Atmospheric Chemistry of 1,3-Dioxolane: Kinetic, Mechanistic, and Modeling Study of OH Radical Initiated Oxidation. *Journal of Physical Chemistry A*, **1999**, 103, 5959-5966	2.8	20

107	Atmospheric Chemistry of CF3C(O)OCH2CF3: UV Spectra and Kinetic Data for CF3C(O)OCH(•)CF3and CF3C(O)OCH(OO•)CF3Radicals, and Atmospheric Fate of CF3C(O)OCH(O•)CF3Radicals. *Journal of Physical Chemistry A*, **1999**, 103, 5705-5713	2.8	10
106	Atmospheric Degradation of Anthropogenic Molecules. *Handbook of Environmental Chemistry*, **1999** , 63-99	0.8	2
105	Absolute rate constants for F + CH3CHO and CH3CO + O2, relative rate study of CH3CO + NO, and the product distribution of the F + CH3CHO reaction. *International Journal of Chemical Kinetics*, **1998**, 30, 913-921	1.4	24
104	Atmospheric chemistry of acetone: Kinetic study of the CH3C(O)CH2O2+NO/NO2 reactions and decomposition of CH3C(O)CH2O2NO2. *International Journal of Chemical Kinetics*, **1998**, 30, 475-489	1.4	26
103	Atmospheric Chemistry of 1,3,5-Trioxane: UV Spectra of c-C3H5O3(•) and (c-C3H5O3)O2(•) Radicals, Kinetics of the Reactions of (c-C3H5O3)O2(•) Radicals with NO and NO2, and Atmospheric Fate of the Alkoxy Radical (c-C3H5O3)O(•) *Journal of Physical Chemistry A*, **1998**, 102, 4829-4838	2.8	22
102	Absolute and Relative Rate Constants for the Reactions CH3C(O)O2 + NO and CH3C(O)O2 + NO2 and Thermal Stability of CH3C(O)O2NO2. *Journal of Physical Chemistry A*, **1998**, 102, 1779-1789	2.8	28
101	Atmospheric Chemistry of the Phenoxy Radical, C6H5O(•) UV Spectrum and Kinetics of Its Reaction with NO, NO2, and O2. *Journal of Physical Chemistry A*, **1998**, 102, 7964-7974	2.8	91
100	Kinetics and Mechanism of the Reactions of 2,3-Butadione with F and Cl Atoms, UV Absorption Spectra of CH3C(O)C(O)CH2• and CH3C(O)C(O)CH2O2• Radicals, and Atmospheric Fate of CH3C(O)C(O)CH2O• Radicals. *Journal of Physical Chemistry A*, **1998**, 102, 8913-8923	2.8	7
99	Atmospheric Chemistry of HFE-7200 (C4F9OC2H5): Reaction with OH Radicals and Fate of C4F9OCH2CH2O(•) and C4F9OCHO(•)CH3Radicals. *Journal of Physical Chemistry A*, **1998**, 102, 4839-4845	2.8	47
98	Kinetics and Mechanism of the Gas-Phase Reaction of Cl Atoms with Benzene. *Journal of Physical Chemistry A*, **1998**, 102, 10671-10681	2.8	53
97	Atmospheric Chemistry of CF3CH2OCH2CF3: UV Spectra and Kinetic Data for CF3CH(•)OCH2CF3 and CF3CH(OO•)OCH2CF3 Radicals and Atmospheric Fate of CF3CH(O•)OCH2CF3 Radicals. *Journal of Physical Chemistry A*, **1998**, 102, 1152-1161	2.8	37
96	Atmospheric chemistry of 1,4-dioxane. *Journal of the Chemical Society, Faraday Transactions*, **1997**, 93, 2855-2863		18
95	Atmospheric Chemistry of CH2BrCl: Kinetics and Mechanism of the Reaction of F Atoms with CH2BrCl and Fate of the CHBrClO• Radical. *Journal of Physical Chemistry A*, **1997**, 101, 5477-5488	2.8	16
94	Atmospheric Chemistry of Dimethyl Carbonate: Reaction with OH Radicals, UV Spectra of CH3OC(O)OCH2 and CH3OC(O)OCH2O2 Radicals, Reactions of CH3OC(O)OCH2O2 with NO and NO2, and Fate of CH3OC(O)OCH2O Radicals. *Journal of Physical Chemistry A*, **1997**, 101, 3514-3525	2.8	51
93	Atmospheric Chemistry of HFE-7100 (C4F9OCH3): Reaction with OH Radicals, UV Spectra and Kinetic Data for C4F9OCH2• and C4F9OCH2O2• Radicals, and the Atmospheric Fate of C4F9OCH2O• Radicals. *Journal of Physical Chemistry A*, **1997**, 101, 8264-8274	2.8	110
92	Atmospheric Chemistry of Dimethoxymethane (CH3OCH2OCH3): Kinetics and Mechanism of Its Reaction with OH Radicals and Fate of the Alkoxy Radicals CH3OCHO(•)OCH3 and CH3OCH2OCH2O(•) *Journal of Physical Chemistry A*, **1997**, 101, 5302-5308	2.8	39
91	Kinetics and Mechanism of the Gas Phase Reaction of Atomic Chlorine with CH2ICl at 206−432 K. *Journal of Physical Chemistry A*, **1997**, 101, 8035-8041	2.8	26
90	Atmospheric Chemistry and Environmental Impact of Hydrofluorocarbons and Hydrochlorofluorocarbons. *ACS Symposium Series*, **1997**, 16-30	0.4	

89	Atmospheric chemistry of HFC-134a: Kinetics of the decomposition of the alkoxy radical CF3CFHO. *International Journal of Chemical Kinetics*, **1997**, 29, 209-217	1.4	15
88	Oxidation of dimethyl ether: Absolute rate constants for the self reaction of CH3OCH2 radicals, the reaction of CH3OCH2 radicals with O2, and the thermal decomposition of CH3OCH2 radicals. *International Journal of Chemical Kinetics*, **1997**, 29, 627-636	1.4	51
87	Atmospheric Chemistry of Nitrogen-Containing Species **1997**, 170-178		0
86	Atmospheric Chemistry of 1,2-Dichloroethane: UV Spectra of CH2ClCHCl and CH2ClCHClO2 Radicals, Kinetics of the Reactions of CH2ClCHCl Radicals with O2 and CH2ClCHClO2 Radicals with NO and NO2, and Fate of the Alkoxy Radical CH2ClCHClO. *The Journal of Physical Chemistry*, **1996**, 100, 5751-5760		23
85	Kinetics and Mechanism of the Reaction of F Atoms with CH3Br. *The Journal of Physical Chemistry*, **1996**, 100, 10989-10998		18
84	Atmospheric Chemistry of CF3CFHCF3 (HFC-227ea): Spectrokinetic Investigation of the CF3CFO2CF3 Radical, Its Reactions with NO and NO2, and Fate of the CF3CFOCF3 Radical. *The Journal of Physical Chemistry*, **1996**, 100, 8882-8889		32
83	Atmospheric Chemistry of 1,1,1,2-Tetrachloroethane (CCl3CH2Cl): Spectrokinetic Investigation of the CCl3CClHO2 Radical, Its Reactions with NO and NO2, and Atmospheric Fate of the CCl3CClHO Radical. *The Journal of Physical Chemistry*, **1996**, 100, 18399-18407		7
82	Dimethyl Ether Oxidation: Kinetics and Mechanism of the CH3OCH2 + O2 Reaction at 296 K and 0.38−40 Torr Total Pressure. *The Journal of Physical Chemistry*, **1996**, 100, 17218-17225		69
81	Role of Excited CF3CFHO Radicals in the Atmospheric Chemistry of HFC-134a. *The Journal of Physical Chemistry*, **1996**, 100, 18116-18122		122
80	Atmospheric Chemistry of CF2BrH: Kinetics and Mechanism of Reaction with F and Cl Atoms and Fate of CF2BrO Radicals. *The Journal of Physical Chemistry*, **1996**, 100, 7050-7059		20
79	Atmospheric Chemistry of HFC-227ca: Spectrokinetic Investigation of the CF3CF2CF2O2 Radical, Its Reactions with NO and NO2, and the Atmospheric Fate of the CF3CF2CF2O Radical. *The Journal of Physical Chemistry*, **1996**, 100, 6572-6579		23
78	Atmospheric chemistry of di-tert-butyl ether: Rates and products of the reactions with chlorine atoms, hydroxyl radicals, and nitrate radicals. *International Journal of Chemical Kinetics*, **1996**, 28, 299-306	1.4	20
77	Kinetics and mechanism of the reaction of CF3 radicals with NO2. *International Journal of Chemical Kinetics*, **1996**, 28, 579-588	1.4	8
76	Kinetics of the Reactions of Acetonitrile with Chlorine and Fluorine Atoms. *The Journal of Physical Chemistry*, **1996**, 100, 660-668		24
75	Atmospheric Chemistry of FNO and FNO2: Reactions of FNO with O3, O(3P), HO2, and HCl and the Reaction of FNO2 with O3. *The Journal of Physical Chemistry*, **1995**, 99, 984-989		20
74	Atmospheric Chemistry of HFC-272ca: Spectrokinetic Investigation of the CH3CF2CH2O2 Radical, Its Reactions with NO and NO2, and the Fate of the CH3CF2CH2O Radical. *The Journal of Physical Chemistry*, **1995**, 99, 1995-2001		11
73	Atmospheric Chemistry of HFC-236fa: Spectrokinetic Investigation of the CF3CHO2.bul.CF3 Radical, Its Reaction with NO, and the Fate of the CF3CHO.bul.CF3 Radical. *The Journal of Physical Chemistry* , **1995**, 99, 5373-5378		18
72	Atmospheric Chemistry of 1,1,1-Trichloroethane: UV Spectra and Self-Reaction Kinetics of CCl3CH2 and CCl3CH2O2 Radicals, Kinetics of the Reactions of the CCl3CH2O2 Radical with NO and NO2, and the Fate of the Alkoxy Radical CCl3CH2O. *The Journal of Physical Chemistry*, **1995**, 99, 6570-6579		30

71	Atmospheric Chemistry of Pentachloroethane (CCl3CCl2H): Absorption Spectra of CCl3CCl2 and CCl3CCl2O2 Radicals, Kinetics of the CCl3CCl2O2 + NO Reaction, and Fate of the CCl3CCl2O Radical. *The Journal of Physical Chemistry*, **1995**, 99, 16932-16938		11
70	Atmospheric Chemistry of HFC-236cb: Spectrokinetic Investigation of the CF3CF2CFHO2 Radical, Its Reaction with NO and NO2, and the Fate of the CF3CF2CFHO Radical. *The Journal of Physical Chemistry*, **1995**, 99, 17386-17393		8
69	Atmospheric chemistry of HCFC-133a: the UV absorption spectra of CF3CClH and CF3CClHO2 radicals, reactions of CF3CClHO2 with NO and NO2, and fate of CF3CClHO radicals. *The Journal of Physical Chemistry*, **1995**, 99, 13437-13444		23
68	Hydrofluorocarbons and stratospheric ozone. *Faraday Discussions*, **1995**, 100, 55	3.6	54
67	First direct kinetic study of isotopic enrichment of ozone. *Journal of Geophysical Research*, **1995**, 100, 20979		28
66	Atmospheric chemistry of FCOx radicals: Kinetic and mechanistic study of the FC(O)O2 + NO2 reaction. *International Journal of Chemical Kinetics*, **1995**, 27, 391-402	1.4	17
65	Atmospheric chemistry of dimethyl sulfide. Kinetics of the CH3SCH2O2 + NO2 reaction in the gas phase at 296 K. *Chemical Physics Letters*, **1995**, 236, 385-388	2.5	7
64	UV absorption spectrum of CH3OCH2 radicals and kinetics of the reaction of CH3OCH2O2 radicals with NO and NO2 in the gas phase. *Chemical Physics Letters*, **1995**, 240, 53-56	2.5	42
63	ATMOSPHERIC CHEMISTRY OF HYDROFLUOROCARBONS. *Advanced Series in Physical Chemistry*, **1995**, 616-685		3
62	Atmospheric Chemistry of HFC-152: UV Absorption Spectrum of CH2FCFHO2 Radicals, Kinetics of the Reaction CH2FCFHO2 + NO .fwdarw. CH2FCHFO + NO2, and Fate of the Alkoxy Radical CH2FCFHO. *The Journal of Physical Chemistry*, **1994**, 98, 5435-5440		14
61	Atmospheric Chemistry of CF3COx Radicals: Fate of CF3CO Radicals, the UV Absorption Spectrum of CF3C(O)O2 Radicals, and Kinetics of the Reaction CF3C(O)O2 + NO .fwdarw. CF3C(O)O + NO2. *The Journal of Physical Chemistry*, **1994**, 98, 5686-5694		26
60	Atmospheric Chemistry of HFC-143a: Spectrokinetic Investigation of the CF3CH2O2.bul. Radical, Its Reactions with NO and NO2, and the Fate of CF3CH2O. *The Journal of Physical Chemistry*, **1994**, 98, 9518-9525		22
59	A spectrokinetic study of CH2I and CH2IO2 radicals. *International Journal of Chemical Kinetics*, **1994**, 26, 259-272	1.4	50
58	Spectrokinetic study of SF5 and SF5O2 radicals and the reaction of SF5O2 with NO. *International Journal of Chemical Kinetics*, **1994**, 26, 615-629	1.4	9
57	Reactions of CF3O radicals with selected alkenes and aromatics under atmospheric conditions. *Chemical Physics Letters*, **1994**, 218, 29-33	2.5	12
56	Mechanistic study of the gas-phase reaction of CH2FO2 radicals with HO2. *Chemical Physics Letters*, **1994**, 218, 34-42	2.5	42
55	Kinetics of the reaction of F atoms with O2 and UV spectrum of FO2 radicals in the gas phase at 295 K. *Chemical Physics Letters*, **1994**, 218, 287-294	2.5	32
54	Atmospheric chemistry of CF3COOH. Kinetics of the reaction with OH radicals. *Chemical Physics Letters*, **1994**, 226, 171-177	2.5	19

53	Atmospheric chemistry of CF3C(O)O2 radicals. Kinetics of their reaction with NO2 and kinetics of the thermal decomposition of the product CF3C(O)O2NO2. *Chemical Physics Letters*, **1994**, 226, 563-569	2.5	34
52	Atmospheric chemistry of HFC-134a. Kinetic and mechanistic study of the CF3CFHO2+NO2 reaction. *Chemical Physics Letters*, **1994**, 225, 375-380	2.5	11
51	Pulse radiolysis study of CF3CCl2 and CF3CCl2O2 radicals in the gas phase at 295K. *Research on Chemical Intermediates*, **1994**, 20, 265-276	2.8	7
50	Atmospheric Chemistry of FO2 Radicals: Reaction with CH4, O3, NO, NO2, and CO at 295 K. *The Journal of Physical Chemistry*, **1994**, 98, 6731-6739		22
49	The Environmental Impact of CFC Replacements HFCs and HCFCs. *Environmental Science & Technology*, **1994**, 28, 320A-6A	10.3	28
48	Atmospheric Chemistry of FCOx Radicals: UV Spectra and Self-Reaction Kinetics of FCO and FC(O)O2 and Kinetics of Some Reactions of FCOx with O2, O3, and NO at 296 K. *The Journal of Physical Chemistry*, **1994**, 98, 2346-2356		71
47	The environmental impact of CFC replacements - HFCs and HCFCs. *Environmental Science & Technology*, **1994**, 28, 320A-326A	10.3	82
46	Comment on the Atmospheric Chemistry of FNO. *The Journal of Physical Chemistry*, **1994**, 98, 10373-10373		7
45	Atmospheric chemistry of dimethyl sulfide: UV spectra and self-reaction kinetics of CH3SCH2 and CH3SCH2O2 radicals and kinetics of the reactions CH3SCH2 + O2 .fwdarw. CH3SCH2O2 and CH3SCH2O2 + NO .fwdarw. CH3SCH2O + NO2. *The Journal of Physical Chemistry*, **1993**, 97, 8442-8449		29
44	Kinetic and mechanistic study of the self-reaction of methoxymethylperoxy radicals at room temperature. *The Journal of Physical Chemistry*, **1993**, 97, 11712-11723		83
43	Absolute rate constants for the reaction of CF3O2 and CF3O radicals with NO at 295 K. *Chemical Physics Letters*, **1993**, 206, 369-375	2.5	46
42	Rate constants for the reaction of CF3O radicals with hydrocarbons at 298 K. *Chemical Physics Letters*, **1993**, 207, 498-503	2.5	28
41	Upper limits for the rate constants of the reactions of CF3O2 and CF3O radicals with ozone at 295 K. *Chemical Physics Letters*, **1993**, 213, 433-441	2.5	34
40	Absolute rate constants for the reaction of NO with a series of peroxy radicals in the gas phase at 295 K. *Chemical Physics Letters*, **1993**, 213, 457-464	2.5	86
39	The reaction of nitromethane with hydrogen and deuterium atoms in the gas phase. A mechanistic study. *Chemical Physics Letters*, **1993**, 215, 257-263	2.5	7
38	A kinetic study of the reaction of fluorine atoms with CH3F, CH3Cl, CH3Br, CF2H2, CO, CF3H, CF3CHCl2, CF3CH2F, CHF2CHF2, CF2ClCH3, CHF2CH3, and CF3CF2H at 295 ± 2 K. *International Journal of Chemical Kinetics*, **1993**, 25, 651-665	1.4	61
37	UV absorption spectrum, and kinetics and mechanism of the self reaction of CF3CF2O2 radicals in the gas phase at 295 K. *International Journal of Chemical Kinetics*, **1993**, 25, 701-717	1.4	48
36	Spectroscopic, kinetic and mechanistic study of fluoromethylperoxo radicals in the gas phase at 298 K. *The Journal of Physical Chemistry*, **1992**, 96, 1241-1246		43

35	Ultraviolet absorption spectrum and kinetics and mechanism of the self-reaction of 1,1,2,2-tetrafluoroethaneperoxyl radicals in the gas phase at 298 K. *The Journal of Physical Chemistry*, **1992**, 96, 10875-10879		11
34	Novel method for the measurement of gas-phase peroxy radical absorption spectra. *The Journal of Physical Chemistry*, **1992**, 96, 982-986		22
33	UV absorption spectra, kinetics and mechanisms of the self-reaction of CHF2O2 radicals in the gas phase at 298 K. *Chemical Physics Letters*, **1992**, 192, 82-88	2.5	29
32	The reactions of OH radicals with chloroalkanes in the temperature range 295–360 K. *Chemical Physics Letters*, **1992**, 194, 123-127	2.5	12
31	Pulse radiolysis and fourier transform infrared study of neopentyl peroxy radicals in the gas phase at 297 K. *International Journal of Chemical Kinetics*, **1992**, 24, 649-663	1.4	15
30	UV absorption spectra, kinetics, and mechanisms of the self reaction of CF3O2 radicals in the gas phase at 295 K. *International Journal of Chemical Kinetics*, **1992**, 24, 1009-1021	1.4	56
29	Ultraviolet absorption spectra and kinetics of the self-reaction of bromomethyl and peroxybromomethyl radicals in the gas phase at 298 K. *The Journal of Physical Chemistry*, **1991**, 95, 8714-8719		38
28	An absolute- and relative-rate study of the gas-phase reaction of OH radicals and Cl atoms with n-alkyl nitrates. *Chemical Physics Letters*, **1991**, 178, 163-170	2.5	34
27	Rate constants for the gas-phase reactions of OH radicals with CH3CHF2 and CHC12CF3 over the temperature range 295–388 K. *Chemical Physics Letters*, **1991**, 187, 286-290	2.5	10
26	UV absorption spectra and kinetics of the self reaction of CFCl2CH2O2 and CF2ClCH2O2 radicals in the gas phase at 298 K. *International Journal of Chemical Kinetics*, **1991**, 23, 785-798	1.4	15
25	Rate constants for the gas-phase reactions of OH radicals and Cl atoms with n-alkyl nitrites at atmospheric pressure and 298 K. *International Journal of Chemical Kinetics*, **1991**, 23, 1095-1109	1.4	32
24	Ultraviolet absorption spectra and kinetics of CH3S and CH2SH radicals. *Chemical Physics Letters*, **1991**, 182, 643-648	2.5	21
23	Pulse radiolysis study of CF3CFHO2 radicals in the gas phase at 298 K. *Chemical Physics Letters*, **1991**, 187, 33-39	2.5	39
22	Rate constants for the gas-phase reactions of hydroxyl radicals with tetramethyllead and tetraethyllead. *Environmental Science & Technology*, **1991**, 25, 1098-1103	10.3	12
21	Ultraviolet absorption spectra and kinetics of acetonyl and acetonylperoxy radicals. *Chemical Physics Letters*, **1990**, 173, 206-210	2.5	35
20	Kinetics and mechanism for the oxidation of 1,1,1-trichloroethane. *International Journal of Chemical Kinetics*, **1990**, 22, 577-590	1.4	50
19	Rate constants for the reactions of OH radicals and Cl atoms with diethyl sulfide, Di-n-propyl sulfide, and Di-n-butyl sulfide. *International Journal of Chemical Kinetics*, **1990**, 22, 603-612	1.4	27
18	Absolute and relative rate constants for the reactions of hydroxyl radicals and chlorine atoms with a series of aliphatic alcohols and ethers at 298 K. *International Journal of Chemical Kinetics*, **1990**, 22, 1111-1126	1.4	159

17	The gas phase reactions of hydroxyl radicals with a series of nitroalkanes over the temperature range 240–400 K. *Chemical Physics Letters*, **1990**, 167, 519-523	2.5	17
16	Rate constants for the gas-phase reactions of OH radicals with nitroethene, 3-nitropropene and 1-nitrocyclohexene at 298 K and 1 atm. *Chemical Physics Letters*, **1990**, 168, 319-323	2.5	22
15	An absolute and relative rate study of the reaction of oh radicals with dimethyl sulfide. *International Journal of Chemical Kinetics*, **1989**, 21, 1101-1112	1.4	19
14	Rate constants for the gas-phase reactions of OH radicals and Cl atoms with CH3CH2NO2, CH3CH2CH2NO2, CH3CH2CH2CH2NO2, and CH3CH2CH2CH2CH2NO2. *Chemical Physics Letters*, **1989**, 156, 312-318	2.5	19
13	Absolute and relative rate constants for the gas-phase reaction of OH radicals with CH3NO2, CD3NO2 and CH3CH2CH3 at 295 K and 1 ATM. *Chemical Physics Letters*, **1988**, 146, 197-203	2.5	15
12	SO2 pressure broadening and frequency shifting of H2O absorption lines in the infrared region. *Molecular Physics*, **1987**, 62, 1111-1117	1.7	2
11	Absolute rate constants for the gas-phase reaction of OH radicals with cyclohexane and ethane at 295 K. *Chemical Physics Letters*, **1986**, 128, 168-171	2.5	9
10	Hydrogen atom yields in the pulse radiolysis of hydrogen. Reactions with oxygen, nitrosyl chloride, and hydrogen iodide. *The Journal of Physical Chemistry*, **1982**, 86, 2929-2935		4
9	Infrared spectra of nitrosyl cyanide and 8 isotopically substituted species. A general harmonic force field determined from experimental data and ab initio calculations. *Journal of Molecular Structure*, **1979**, 51, 17-26	3.4	30
8	Microwave Spectra of Thioketene and Four of Its Isotopic Species.. *Acta Chemica Scandinavica*, **1979**, 33a, 161-165		18
7	Production and microwave spectra of dithioformic acid, HCSSH. *Journal of Molecular Spectroscopy*, **1978**, 69, 401-408	1.3	24
6	Far infrared gas spectra of nitrosyl cyanide. *Journal of Molecular Structure*, **1978**, 49, 97-104	3.4	13
5	Selenoketene substitution structure. *Chemical Physics Letters*, **1978**, 55, 36-39	2.5	12
4	Formation, microwave spectrum and preliminary structure of selenoketene. *Chemical Physics Letters*, **1978**, 53, 374-376	2.5	18
3	HCN and HNC dimers. A new and stable variant. *Chemical Physics Letters*, **1978**, 59, 330-333	2.5	28
2	The preparation of nitrosyl cyanide, ONCN, and 8 isotopic species. *Journal of Labelled Compounds and Radiopharmaceuticals*, **1978**, 15, 715-722	1.9	3
1	Comparable ab initio Calculated Energies of HCNS, CNSH, NCSH and HNCS. Optimized Geometries and Dipole Moments.. *Acta Chemica Scandinavica*, **1977**, 31a, 666-668		32