Ole J Nielsen

List of Publications by Citations

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	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
213	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
212	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
211	Vapor Pressures of Alcohol□asoline Blends. *Energy & Fuels*, **2010**, 24, 3647-3654	4.1	123
210	Role of Excited CF3CFHO Radicals in the Atmospheric Chemistry of HFC-134a. *The Journal of Physical Chemistry*, **1996**, 100, 18116-18122		122
209	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
208	Inhalation anaesthetics and climate change. *British Journal of Anaesthesia*, **2010**, 105, 760-6	5.4	99
207	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
206	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
205	Distillation Curves for Alcohol□asoline Blends. *Energy & Fuels*, **2010**, 24, 2683-2691	4.1	89
204	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
203	Medical intelligence article: assessing the impact on global climate from general anesthetic gases. *Anesthesia and Analgesia*, **2012**, 114, 1081-5	3.9	85
202	Kinetic and mechanistic study of the self-reaction of methoxymethylperoxy radicals at room temperature. *The Journal of Physical Chemistry*, **1993**, 97, 11712-11723		83
201	The environmental impact of CFC replacements - HFCs and HCFCs. *Environmental Science & Technology*, **1994**, 28, 320A-326A	10.3	82
200	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
199	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
198	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

197	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
196	OH-initiated oxidation of benzene. *Physical Chemistry Chemical Physics*, **2002**, 4, 4399-4411	3.6	63
195	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
194	Isotopic processes in atmospheric chemistry. *Chemical Society Reviews*, **2002**, 31, 313-23	58.5	61
193	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
192	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
191	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
190	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
189	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
188	Hydrofluorocarbons and stratospheric ozone. *Faraday Discussions*, **1995**, 100, 55	3.6	54
187	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
186	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
185	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
184	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
183	Kinetics of the reaction of OH radicals with acetylene in 25 8000 torr of air at 296 K. *International Journal of Chemical Kinetics*, **2003**, 35, 191-197	1.4	50
182	A spectrokinetic study of CH2I and CH2IO2 radicals. *International Journal of Chemical Kinetics*, **1994**, 26, 259-272	1.4	50
181	Kinetics and mechanism for the oxidation of 1,1,1-trichloroethane. *International Journal of Chemical Kinetics*, **1990**, 22, 577-590	1.4	50
180	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

179	Atmospheric Chemistry of HFE-7200 (C4F9OC2H5): Reaction with OH Radicals and Fate of C4F9OCH2CH2O and C4F9OCHOCH3 Radicals. *Journal of Physical Chemistry A*, **1998**, 102, 4839-4845	2.8	47
178	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
177	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
176	Temperature and humidity dependence of secondary organic aerosol yield from the ozonolysis of pinene. *Atmospheric Chemistry and Physics*, **2009**, 9, 3583-3599	6.8	44
175	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
174	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
173	Mechanistic study of the gas-phase reaction of CH2FO2 radicals with HO2. *Chemical Physics Letters*, **1994**, 218, 34-42	2.5	42
172	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
171	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
170	Atmospheric Chemistry of Dimethoxymethane (CH3OCH2OCH3): Kinetics and Mechanism of Its Reaction with OH Radicals and Fate of the Alkoxy Radicals CH3OCHOCH3 and CH3OCH2OCH2O. *Journal of Physical Chemistry A*, **1997**, 101, 5302-5308	2.8	39
169	Pulse radiolysis study of CF3CFHO2 radicals in the gas phase at 298 K. *Chemical Physics Letters*, **1991**, 187, 33-39	2.5	39
168	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
167	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
166	The effect of nitrogen dioxide on particle formation during ozonolysis of two abundant monoterpenes indoors. *Atmospheric Environment*, **2006**, 40, 1030-1042	5.3	37
165	Atmospheric Chemistry of CF3CH2OCH2CF3: UV Spectra and Kinetic Data for CF3CH(O)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
164	Corn ethanol production, food exports, and indirect land use change. *Environmental Science & Technology*, **2012**, 46, 6379-84	10.3	36
163	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
162	Ultraviolet absorption spectra and kinetics of acetonyl and acetonylperoxy radicals. *Chemical Physics Letters*, **1990**, 173, 206-210	2.5	35

161	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
160	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
159	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
158	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
157	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
156	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
155	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
154	Infrared spectrum and global warming potential of SF5CF3. *Atmospheric Environment*, **2002**, 36, 1237-1240	3.3	32
153	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
152	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
151	Comparable ab initio Calculated Energies of HCNS, CNSH, NCSH and HNCS. Optimized Geometries and Dipole Moments.. *Acta Chemica Scandinavica*, **1977**, 31a, 666-668		32
150	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
149	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
148	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
147	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
146	Atmospheric chemistry of two biodiesel model compounds: methyl propionate and ethyl acetate. *Journal of Physical Chemistry A*, **2011**, 115, 8906-19	2.8	29
145	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
144	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

143	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
142	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
141	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
140	First direct kinetic study of isotopic enrichment of ozone. *Journal of Geophysical Research*, **1995**, 100, 20979		28
139	The Environmental Impact of CFC Replacements HFCs and HCFCs. *Environmental Science & Technology*, **1994**, 28, 320A-6A	10.3	28
138	Rate constants for the reaction of CF3O radicals with hydrocarbons at 298 K. *Chemical Physics Letters*, **1993**, 207, 498-503	2.5	28
137	HCN and HNC dimers. A new and stable variant. *Chemical Physics Letters*, **1978**, 59, 330-333	2.5	28
136	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
135	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
134	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
133	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
132	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
131	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
130	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
129	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
128	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
127	Kinetics of the Reactions of Acetonitrile with Chlorine and Fluorine Atoms. *The Journal of Physical Chemistry*, **1996**, 100, 660-668		24
126	Production and microwave spectra of dithioformic acid, HCSSH. *Journal of Molecular Spectroscopy*, **1978**, 69, 401-408	1.3	24

125	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
124	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**,		23
123	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
122	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
121	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
120	Atmospheric chemistry of ethyl propionate. *Journal of Physical Chemistry A*, **2012**, 116, 5164-79	2.8	22
119	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
118	Trifluoroacetic acid in ancient freshwater. *Atmospheric Environment*, **2001**, 35, 2799-2801	5.3	22
117	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
116	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
115	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
114	Novel method for the measurement of gas-phase peroxy radical absorption spectra. *The Journal of Physical Chemistry*, **1992**, 96, 982-986		22
113	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
112	Ultraviolet absorption spectra and kinetics of CH3S and CH2SH radicals. *Chemical Physics Letters*, **1991**, 182, 643-648	2.5	21
111	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
110	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
109	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
108	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

107	Atmospheric chemistry of CF3COOH. Kinetics of the reaction with OH radicals. *Chemical Physics Letters*, **1994**, 226, 171-177	2.5	19
106	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
105	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
104	Kinetics and Mechanism of the Reaction of F Atoms with CH3Br. *The Journal of Physical Chemistry*, **1996**, 100, 10989-10998		18
103	Atmospheric chemistry of 1,4-dioxane. *Journal of the Chemical Society, Faraday Transactions*, **1997**, 93, 2855-2863		18
102	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
101	Formation, microwave spectrum and preliminary structure of selenoketene. *Chemical Physics Letters*, **1978**, 53, 374-376	2.5	18
100	Microwave Spectra of Thioketene and Four of Its Isotopic Species.. *Acta Chemica Scandinavica*, **1979** , 33a, 161-165		18
99	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
98	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
97	Atmospheric chemistry of i-butanol. *Journal of Physical Chemistry A*, **2010**, 114, 12462-9	2.8	17
96	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
95	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
94	Sustainable Mobility, Future Fuels, and the Periodic Table. *Journal of Chemical Education*, **2013**, 90, 440-445	2.4	16
93	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
92	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
91	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
90	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

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	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
87	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
86	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
85	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
84	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
83	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
82	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
81	Far infrared gas spectra of nitrosyl cyanide. *Journal of Molecular Structure*, **1978**, 49, 97-104	3.4	13
80	Atmospheric Chemistry of (CF3)2CHOCH3, (CF3)2CHOCHO, and CF3C(O)OCH3. *Journal of Physical Chemistry A*, **2015**, 119, 10540-52	2.8	12
79	Kinetics and Mechanism of the Reaction of Cl Atoms with Nitrobenzene. *Journal of Physical Chemistry A*, **2000**, 104, 11328-11331	2.8	12
78	Reactions of CF3O radicals with selected alkenes and aromatics under atmospheric conditions. *Chemical Physics Letters*, **1994**, 218, 29-33	2.5	12
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