Ole J Nielsen

List of Publications by Year
in descending order

217 papers	6,833 citations	57631 44 h-index	95083 68 g-index
226 all docs	226 docs citations	226 times ranked	3920 citing authors

#	Article	IF	Citations
1	Formation of C7F15COOH (PFOA) and Other Perfluorocarboxylic Acids during the Atmospheric Oxidation of 8:2 Fluorotelomer Alcohol. Environmental Science & Technology, 2006, 40, 924-930.	4.6	258
2	Atmospheric chemistry of CF3CF CH2: Kinetics and mechanisms of gas-phase reactions with Cl atoms, OH radicals, and O3. Chemical Physics Letters, 2007, 439, 18-22.	1.2	223
3	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.	1.0	183
4	Vapor Pressures of Alcoholâ˜'Gasoline Blends. Energy & Fuels, 2010, 24, 3647-3654.	2.5	157
5	Assessing the Impact on Global Climate from General Anesthetic Gases. Anesthesia and Analgesia, 2012, 114, 1081-1085.	1.1	153
6	Inhalation anaesthetics and climate change. British Journal of Anaesthesia, 2010, 105, 760-766.	1.5	142
7	Role of Excited CF3CFHO Radicals in the Atmospheric Chemistry of HFC-134a. The Journal of Physical Chemistry, 1996, 100, 18116-18122.	2.9	141
8	Atmospheric Chemistry of HFE-7100 (C4F9OCH3):Â Reaction with OH Radicals, UV Spectra and Kinetic Data for C4F9OCH2Â· and C4F9OCH2O2Â· Radicals, and the Atmospheric Fate of C4F9OCH2OÂ· Radicals. Journal of Physical Chemistry A, 1997, 101, 8264-8274.	1.1	120
9	Atmospheric Chemistry of the Phenoxy Radical, C6H5O(â€¢):â€‰ UV Spectrum and Kinetics of Its Reaction with NO, NO2, and O2. Journal of Physical Chemistry A, 1998, 102, 7964-7974.	1.1	110
10	Distillation Curves for Alcoholâ˜'Gasoline Blends. Energy & Fuels, 2010, 24, 2683-2691.	2.5	108
11	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.	1.9	107
12	Kinetic and mechanistic study of the self-reaction of methoxymethylperoxy radicals at room temperature. The Journal of Physical Chemistry, 1993, 97, 11712-11723.	2.9	90
13	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.	1.2	89
14	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, 5806-5820.	1.1	89
15	Atmospheric Chemistry of (CF₃)₂CFâ€"Câ‰¡N: A Replacement Compound for the Most Potent Industrial Greenhouse Gas, SF₆. Environmental Science & Technology, 2017, 51, 1321-1329.	4.6	88
16	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.	1.2	87
17	The environmental impact of CFC replacements - HFCs and HCFCs. Environmental Science & Technology, 1994, 28, 320A-326A.	4.6	85
18	Atmospheric chemistry of short-chain haloolefins: Photochemical ozone creation potentials (POCPs), global warming potentials (GWPs), and ozone depletion potentials (ODPs). Chemosphere, 2015, 129, 135-141.	4.2	85

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19	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.	2.9	79
20	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, 1086-1098.	2.8	71
21	Dimethyl Ether Oxidation:Â Kinetics and Mechanism of the CH3OCH2+ O2Reaction at 296 K and 0.38â˘'940 Torr Total Pressure. The Journal of Physical Chemistry, 1996, 100, 17218-17225.	2.9	70
22	Isotopic processes in atmospheric chemistry. Chemical Society Reviews, 2002, 31, 313-323.	18.7	67
23	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 Â± 2 K. International Journal of Chemical Kinetics, 1993, 25, 651-665.	1.0	66
24	OH-initiated oxidation of benzene. Physical Chemistry Chemical Physics, 2002, 4, 4399-4411.	1.3	65
25	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.	1.0	62
26	Kinetics and mechanism for the oxidation of 1,1,1-trichloroethane. International Journal of Chemical Kinetics, 1990, 22, 577-590.	1.0	60
27	Hydrofluorocarbons and stratospheric ozone. Faraday Discussions, 1995, 100, 55.	1.6	59
28	Atmospheric Chemistry of CF3OCF2CF2H and CF3OC(CF3)2H:â€‰ 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, 3926-3934.	1.1	59
29	Atmospheric Chemistry of Dimethyl Carbonate:Â Reaction with OH Radicals, UV Spectra of CH3OC(O)OCH2and CH3OC(O)OCH2O2Radicals, Reactions of CH3OC(O)OCH2O2with NO and NO2, and Fate of CH3OC(O)OCH2O Radicals. Journal of Physical Chemistry A, 1997, 101, 3514-3525.	1.1	58
30	Kinetics and Mechanism of the Gas-Phase Reaction of Cl Atoms with Benzene. Journal of Physical Chemistry A, 1998, 102, 10671-10681.	1.1	58
31	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.	1.0	57
32	Temperature and humidity dependence of secondary organic aerosol yield from the ozonolysis of Î²-pinene. Atmospheric Chemistry and Physics, 2009, 9, 3583-3599.	1.9	57
33	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.	1.0	54
34	Atmospheric chemistry of CF3CFCH2: Products and mechanisms of Cl atom and OH radical initiated oxidation. Chemical Physics Letters, 2008, 450, 263-267.	1.2	54
35	Atmospheric Chemistry of Cyclohexane:â€‰ UV Spectra of c-C6H11â€¢ and (c-C6H11)O2â€¢ Radicals, Kinetics of the Reactions of (c-C6H11)O2â€¢ Radicals with NO and NO2, and the Fate of the Alkoxy Radical (c-C6H11)Oâ€¢. Journal of Physical Chemistry A, 1999, 103, 2688-2695.	1.1	53
36	Emissions characterization from EURO 5 diesel/biodiesel passenger car operating under the new European driving cycle. Atmospheric Environment, 2014, 84, 339-348.	1.9	53

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37	Absolute rate constants for the reaction of CF3O2 and CF3O radicals with NO at 295 K. Chemical Physics Letters, 1993, 206, 369-375.	1.2	52
38	A spectrokinetic study of CH2I and CH2IO2 radicals. International Journal of Chemical Kinetics, 1994, 26, 259-272.	1.0	52
39	The Environmental Impact of CFC Replacements HFCs and HCFCs. Environmental Science & Technology, 1994, 28, 320A-326A.	4.6	52
40	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.	1.0	52
41	Atmospheric Chemistry of HFE-7200 (C4F9OC2H5):Â Reaction with OH Radicals and Fate of C4F9OCH2CH2O(â€¢) and C4F9OCHO(â€¢)CH3Radicals. Journal of Physical Chemistry A, 1998, 102, 4839-4845.	1.1	51
42	Mechanistic study of the gas-phase reaction of CH2FO2 radicals with HO2. Chemical Physics Letters, 1994, 218, 34-42.	1.2	46
43	Atmospheric Chemistry ofn-CxF2x+1CHO (x= 1, 3, 4):Â Reaction with Cl Atoms, OH Radicals and IR Spectra of CxF2x+1C(O)O2NO2. Journal of Physical Chemistry A, 2004, 108, 5189-5196.	1.1	46
44	Pulse radiolysis study of CF3CFHO2 radicals in the gas phase at 298 K. Chemical Physics Letters, 1991, 187, 33-39.	1.2	44
45	Spectroscopic, kinetic and mechanistic study of fluoromethylperoxo radicals in the gas phase at 298 K. The Journal of Physical Chemistry, 1992, 96, 1241-1246.	2.9	44
46	Atmospheric Chemistry of Dimethoxymethane (CH3OCH2OCH3):â€‰ Kinetics and Mechanism of Its Reaction with OH Radicals and Fate of the Alkoxy Radicals CH3OCHO(â€¢)OCH3 and CH3OCH2OCH2O(â€¢). Journal of Physical Chemistry A, 1997, 101, 5302-5308.	1.1	44
47	The effect of nitrogen dioxide on particle formation during ozonolysis of two abundant monoterpenes indoors. Atmospheric Environment, 2006, 40, 1030-1042.	1.9	44
48	Ultraviolet absorption spectra and kinetics of acetonyl and acetonylperoxy radicals. Chemical Physics Letters, 1990, 173, 206-210.	1.2	43
49	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.	1.2	43
50	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.	2.0	43
51	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.	2.9	41
52	Prediction of indoor concentration of 0.5â€"4Î¼m particles of outdoor origin in an uninhabited apartment. Atmospheric Environment, 2004, 38, 6349-6359.	1.9	41
53	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.	1.2	38
54	Atmospheric Chemistry of CF3CH2OCH2CF3:Â UV Spectra and Kinetic Data for CF3CH(â€¢)OCH2CF3and CF3CH(OOâ€¢)OCH2CF3Radicals and Atmospheric Fate of CF3CH(Oâ€¢)OCH2CF3Radicals. Journal of Physical Chemistry A, 1998, 102, 1152-1161.	1.1	38

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55	Corn Ethanol Production, Food Exports, and Indirect Land Use Change. Environmental Science & Technology, 2012, 46, 6379-6384.	4.6	38
56	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.	1.2	37
57	Atmospheric Chemistry ofn-CxF2x+1CHO (x= 1, 2, 3, 4):Â Fate ofn-CxF2x+1C(O) Radicals. Journal of Physical Chemistry A, 2006, 110, 12443-12447.	1.1	37
58	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.	2.9	36
59	Atmospheric Chemistry of 4:2 Fluorotelomer Alcohol (n-C4F9CH2CH2OH):â€‰ Products and Mechanism of Cl Atom Initiated Oxidation in the Presence of NOx. Journal of Physical Chemistry A, 2005, 109, 1849-1856.	1.1	36
60	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.	1.2	35
61	Atmospheric Chemistry of CH3O(CF2CF2O)nCH3(n= 1â^'3):Â 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.	1.1	35
62	Atmospheric Chemistry of CF3CHCH2 and C4F9CHCH2:â€‰ Products of the Gas-Phase Reactions with Cl Atoms and OH Radicals. Journal of Physical Chemistry A, 2007, 111, 909-915.	1.1	35
63	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.	1.2	35
64	Atmospheric Chemistry of Two Biodiesel Model Compounds: Methyl Propionate and Ethyl Acetate. Journal of Physical Chemistry A, 2011, 115, 8906-8919.	1.1	35
65	Atmospheric Chemistry of CF3CFHCF3(HFC-227ea):Â Spectrokinetic Investigation of the CF3CFO2â€¢CF3Radical, Its Reactions with NO and NO2, and Fate of the CF3CFOâ€¢CF3Radical. The Journal of Physical Chemistry, 1996, 100, 8882-8889.	2.9	34
66	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.	1.8	33
67	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.	1.0	33
68	Rate constants for the gas-phase reactions of OH radicals and Cl atoms withn-alkyl nitrites at atmospheric pressure and 298 K. International Journal of Chemical Kinetics, 1991, 23, 1095-1109.	1.0	33
69	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.	1.2	33
70	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.	2.9	32
71	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.	1.0	32
72	Trifluoroacetic acid in ancient freshwater. Atmospheric Environment, 2001, 35, 2799-2801.	1.9	32

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73	Infrared spectrum and global warming potential of SF5CF3. Atmospheric Environment, 2002, 36, 1237-1240.	1.9	32
74	Atmospheric Chemistry of<i>n</i>-Butanol: Kinetics, Mechanisms, and Products of Cl Atom and OH Radical Initiated Oxidation in the Presence and Absence of NO_{<i>x</i>}.. Journal of Physical Chemistry A, 2009, 113, 7011-7020.	1.1	32
75	Comparable ab initio Calculated Energies of HCNS, CNSH, NCSH and HNCS. Optimized Geometries and Dipole Moments.. Acta Chemica Scandinavica, 1977, 31a, 666-668.	0.7	32
76	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.	1.2	30
77	Rate constants for the reaction of CF3O radicals with hydrocarbons at 298 K. Chemical Physics Letters, 1993, 207, 498-503.	1.2	30
78	First direct kinetic study of isotopic enrichment of ozone. Journal of Geophysical Research, 1995, 100, 20979.	3.3	30
79	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.	1.1	30
80	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, 637-649.	4.2	30
81	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.	1.0	30
82	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.	1.2	29
83	Kinetics of the Reactions of Acetonitrile with Chlorine and Fluorine Atoms. The Journal of Physical Chemistry, 1996, 100, 660-668.	2.9	29
84	Atmospheric Chemistry of 1,2-Dichloroethane:Â UV Spectra of CH2ClCHCl and CH2ClCHClO2Radicals, Kinetics of the Reactions of CH2ClCHCl Radicals with O2and CH2ClCHClO2Radicals with NO and NO2, and Fate of the Alkoxy Radical CH2ClCHClO. The Journal of Physical Chemistry, 1996, 100, 5751-5760.	2.9	29
85	Kinetics and Mechanism of the Gas Phase Reaction of Atomic Chlorine with CH2ICl at 206â˜’432 K. Journal of Physical Chemistry A, 1997, 101, 8035-8041.	1.1	29
86	Atmospheric Chemistry of n-CxF2x+1CHO (x = 1, 3, 4):â€‰ Mechanism of the CxF2x+1C(O)O2 + HO2 Reaction. Journal of Physical Chemistry A, 2004, 108, 6325-6330.	1.1	29
87	Ranking of chemical substances based on the Japanese Pollutant Release and Transfer Register using partial order theory and random linear extensions. Chemosphere, 2004, 55, 1005-1025.	4.2	29
88	Atmospheric Chemistry of Perfluorinated Aldehyde Hydrates (n-CxF2x+1CH(OH)2,x= 1, 3, 4):Â Hydration, Dehydration, and Kinetics and Mechanism of Cl Atom and OH Radical Initiated Oxidation. Journal of Physical Chemistry A, 2006, 110, 9854-9860.	1.1	29
89	HCN and HNC dimers. A new and stable variant. Chemical Physics Letters, 1978, 59, 330-333.	1.2	28
90	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.	2.9	28

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91	Atmospheric Chemistry of CF3CFHCF2OCF3and CF3CFHCF2OCF2H:Â Reaction with Cl Atoms and OH Radicals, Degradation Mechanism, and Global Warming Potentials. Journal of Physical Chemistry A, 2004, 108, 11333-11338.	1.1	28
92	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.	1.9	28
93	Atmospheric Chemistry of Ethyl Propionate. Journal of Physical Chemistry A, 2012, 116, 5164-5179.	1.1	27
94	Reaction kinetics of (CF3)2CFCN with OH radicals as a function of temperature (278â€"358 K): A good replacement for greenhouse SF6?. Chemical Physics Letters, 2017, 687, 297-302.	1.2	27
95	Production and microwave spectra of dithioformic acid, HCSSH. Journal of Molecular Spectroscopy, 1978, 69, 401-408.	0.4	26
96	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.	2.9	26
97	Atmospheric Chemistry of HFC-227ca:Â Spectrokinetic Investigation of the CF3CF2CF2O2Radical, Its Reactions with NO and NO2, and the Atmospheric Fate of the CF3CF2CF2O Radical. The Journal of Physical Chemistry, 1996, 100, 6572-6579.	2.9	26
98	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.	1.0	26
99	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.	1.2	26
100	Novel method for the measurement of gas-phase peroxy radical absorption spectra. The Journal of Physical Chemistry, 1992, 96, 982-986.	2.9	25
101	Ultraviolet absorption spectra and kinetics of CH3S and CH2SH radicals. Chemical Physics Letters, 1991, 182, 643-648.	1.2	24
102	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.	2.9	24
103	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.	2.9	23
104	Atmospheric Chemistry of 1,3,5-Trioxane:Â UV Spectra of c-C3H5O3(â€¢) and (c-C3H5O3)O2(â€¢) Radicals, Kinetics of the Reactions of (c-C3H5O3)O2(â€¢) Radicals with NO and NO2, and Atmospheric Fate of the Alkoxy Radical (c-C3H5O3)O(â€¢). Journal of Physical Chemistry A, 1998, 102, 4829-4838.	1.1	23
105	An absolute and relative rate study of the reaction of oh radicals with dimethyl sulfide. International Journal of Chemical Kinetics, 1989, 21, 1101-1112.	1.0	22
106	Atmospheric Chemistry of 1,3-Dioxolane:Â Kinetic, Mechanistic, and Modeling Study of OH Radical Initiated Oxidation. Journal of Physical Chemistry A, 1999, 103, 5959-5966.	1.1	22
107	Formation, microwave spectrum and preliminary structure of selenoketene. Chemical Physics Letters, 1978, 53, 374-376.	1.2	21
108	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.	2.9	21

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109	Atmospheric chemistry of 1,4-dioxane Laboratory studies. Journal of the Chemical Society, Faraday Transactions, 1997, 93, 2855-2863.	1.7	21
110	Atmospheric Chemistry of 3-Pentanol: Kinetics, Mechanisms, and Products of Cl Atom and OH Radical Initiated Oxidation in the Presence and Absence of NO_{<i>X</i>}. Journal of Physical Chemistry A, 2008, 112, 8053-8060.	1.1	21
111	The gas phase reactions of hydroxyl radicals with a series of nitroalkanes over the temperature range 240â€“400 K. Chemical Physics Letters, 1990, 167, 519-523.	1.2	20
112	Atmospheric chemistry of CF3COOH. Kinetics of the reaction with OH radicals. Chemical Physics Letters, 1994, 226, 171-177.	1.2	20
113	Atmospheric Chemistry of CF2BrH:Â Kinetics and Mechanism of Reaction with F and Cl Atoms and Fate of CF2BrO Radicals. The Journal of Physical Chemistry, 1996, 100, 7050-7059.	2.9	20
114	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.	1.0	20
115	Atmospheric chemistry of Z- and E-CF₃CHî€€CHCF₃. Physical Chemistry Chemical Physics, 2017, 19, 735-750.	1.3	20
116	Microwave Spectra of Thioketene and Four of Its Isotopic Species.. Acta Chemica Scandinavica, 1979, 33a, 161-165.	0.7	20
117	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.	1.2	19
118	Atmospheric Chemistry of <i>i</i>-Butanol. Journal of Physical Chemistry A, 2010, 114, 12462-12469.	1.1	19
119	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.	1.0	18
120	Atmospheric chemistry of FCOxradicals: Kinetic and mechanistic study of the FC(O)O2+ NO2reaction. International Journal of Chemical Kinetics, 1995, 27, 391-402.	1.0	18
121	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.	2.9	18
122	Kinetics and Mechanism of the Reaction of F Atoms with CH3Br. The Journal of Physical Chemistry, 1996, 100, 10989-10998.	2.9	18
123	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.	1.2	18
124	The Global Warming Potentials for Anesthetic Gas Sevoflurane Need Significant Corrections. Environmental Science & Technology, 2021, 55, 10189-10191.	4.6	18
125	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.	1.2	17
126	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.	1.0	17

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127	Atmospheric Chemistry of CH2BrCl:Â Kinetics and Mechanism of the Reaction of F Atoms with CH2BrCl and Fate of the CHBrClOâ€¢Radical. Journal of Physical Chemistry A, 1997, 101, 5477-5488.	1.1	17
128	Atmospheric chemistry of HFC-134a: Kinetics of the decomposition of the alkoxy radical CF3CFHO. International Journal of Chemical Kinetics, 1997, 29, 209-217.	1.0	17
129	Sustainable Mobility, Future Fuels, and the Periodic Table. Journal of Chemical Education, 2013, 90, 440-445.	1.1	17
130	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.	1.2	17
131	Atmospheric chemistry of t-CF3CHî€CHCl: products and mechanisms of the gas-phase reactions with chlorine atoms and hydroxyl radicals. Physical Chemistry Chemical Physics, 2012, 14, 1735-1748.	1.3	16
132	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.	2.0	16
133	Selenoketene substitution structure. Chemical Physics Letters, 1978, 55, 36-39.	1.2	15
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