Ole J Nielsen

List of Publications by Year
in descending order

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217	6,833	57631	95083
papers	citations	44 h-index	68 g-index

226	226	226	3920
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Tropospheric photolysis of CF3CHO. Atmospheric Environment, 2022, 272, 118935.	1.9	5
2	Atmospheric chemistry of CF3CN: kinetics and products of reaction with OH radicals, Cl atoms and O3. Physical Chemistry Chemical Physics, 2022, 24, 2638-2645.	1.3	1
3	Atmospheric chemistry of (Z)- and (E)-1,2-dichloroethene: kinetics and mechanisms of the reactions with Cl atoms, OH radicals, and O₃. Physical Chemistry Chemical Physics, 2022, 24, 7356-7373.	1.3	1
4	Reflection on two Ambio papers by P. J. Crutzen on ozone in the upper atmosphere. Ambio, 2021, 50, 40-43.	2.8	1
5	The Global Warming Potentials for Anesthetic Gas Sevoflurane Need Significant Corrections. Environmental Science & Technology, 2021, 55, 10189-10191.	4.6	18
6	The case for a more precise definition of regulated PFAS. Environmental Sciences: Processes and Impacts, 2021, 23, 1834-1838.	1.7	11
7	Atmospheric Chemistry of CH₃OCF₂CHF₂. Journal of Physical Chemistry A, 2021, 125, 10640-10648.	1.1	3
8	Chemical analysis and origin of the smell of line-dried laundry. Environmental Chemistry, 2020, 17, 355.	0.7	6
9	Theoretical study of hydroxyl radical (OHË™) induced decomposition of tert-butyl methyl ether (MTBE). Environmental Sciences: Processes and Impacts, 2020, 22, 1037-1044.	1.7	1
10	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.	1.7	0
11	Trichloroacetyl chloride, CCl3COCl, as an alternative Cl atom precursor for laboratory use and determination of Cl atom rate coefficients forn-CH2î€CH(CH2)xCN (x= 3â€“4). Environmental Sciences: Processes and Impacts, 2020, 22, 1347-1354.	1.7	1
12	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.	1.1	3
13	Quantum Yields and N₂O Formation from Photolysis of Solid Films of Neonicotinoids. Journal of Agricultural and Food Chemistry, 2019, 67, 1638-1646.	2.4	9
14	Atmospheric chemistry of CH3C(O)CN: Kinetics and reaction mechanisms with Cl atoms and OH radicals. Chemical Physics Letters, 2019, 720, 128-133.	1.2	0
15	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 O₃. Physical Chemistry Chemical Physics, 2019, 21, 1497-1505.	1.3	2
16	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.	1.2	12
17	Rate coefficients for reactions of OH radicals with CH 3 D, CH 2 D 2 , CHD 3 , and CD 4. International Journal of Chemical Kinetics, 2019, 51, 390-394.	1.0	1
18	Atmospheric chemistry of (Z)-CF3CHî€CHCl: products and mechanisms of the Cl atom, OH radical and O3 reactions, and role of (E)â€“(Z) isomerization. Physical Chemistry Chemical Physics, 2018, 20, 27949-27958.	1.3	4

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19	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.	1.3	6
20	Atmospheric chemistry of nâ€‹CH₃(CH₂)_xCN (xÂ=ÂÂ0â€“3): Kinetics and mechanisms. International Journal of Chemical Kinetics, 2018, 50, 813-826.	1.0	4
21	Atmospheric Chemistry of n-CH₂â•CH(CH₂)_xCN (x = 0â€“4): Kinetics and Mechanisms. Journal of Physical Chemistry A, 2018, 122, 5983-5992.	1.1	5
22	Reactions of Three Lactones with Cl, OD, and O₃: Atmospheric Impact and Trends in Furan Reactivity. Journal of Physical Chemistry A, 2017, 121, 4123-4131.	1.1	6
23	Atmospheric Chemistry of Halogenated Organic Compounds. , 2017, , 305-402.		5
24	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
25	Atmospheric chemistry of Z- and E-CF₃CHî€CHCF₃. Physical Chemistry Chemical Physics, 2017, 19, 735-750.	1.3	20
26	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.	1.2	2
27	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
28	Atmospheric Chemistry of CH₃CH₂OCH₃: Kinetics and Mechanism of Reactions with Cl Atoms and OH Radicals. International Journal of Chemical Kinetics, 2017, 49, 10-20.	1.0	9
29	Atmospheric chemistry of CF3CF2OCH3. Chemical Physics Letters, 2016, 653, 149-154.	1.2	3
30	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, 7320-7326.	1.1	13
31	Atmospheric chemistry of E- and Z-CF3CHÂ=ÂCHCF3. Qscience Proceedings, 2016, , .	0.0	0
32	Improving technology one molecule at the time. , 2016, , .		0
33	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
34	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
35	Atmospheric Chemistry of (CF3)2CHOCH3, (CF3)2CHOCHO, and CF3C(O)OCH3. Journal of Physical Chemistry A, 2015, 119, 10540-10552.	1.1	12
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	Comment on â€œAirborne Trifluoroacetic Acid and Its Fraction from the Degradation of HFC-134a in Beijing, Chinaâ€. Environmental Science & Technology, 2014, 48, 9948-9948.	4.6	1
38	Atmospheric chemistry of (CF3)2CFOCH3. Chemical Physics Letters, 2014, 607, 5-9.	1.2	8
39	Characterization of exhaust emissions from a EURO 5 light passenger vehicle using biodiesel blends. WIT Transactions on Ecology and the Environment, 2014, , .	0.0	0
40	Re-evaluation of the reaction rate coefficient of CH3BrÂ+ÂOH withÂimplications for the atmospheric budget of methyl bromide. Atmospheric Environment, 2013, 80, 70-74.	1.9	4
41	Sustainable Mobility, Future Fuels, and the Periodic Table. Journal of Chemical Education, 2013, 90, 440-445.	1.1	17
42	Assessing the Impact on Global Climate from General Anesthetic Gases. Anesthesia and Analgesia, 2012, 114, 1081-1085.	1.1	153
43	Atmospheric Chemistry of Ethyl Propionate. Journal of Physical Chemistry A, 2012, 116, 5164-5179.	1.1	27
44	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
45	Corn Ethanol Production, Food Exports, and Indirect Land Use Change. Environmental Science & Technology, 2012, 46, 6379-6384.	4.6	38
46	Rate coefficients for the chemical reactions of CH2F2, CHClF2, CH2FCF3 and CH3CCl3 with O(1D) at 298K. Chemical Physics Letters, 2012, 554, 27-32.	1.2	5
47	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
48	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
49	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
50	Atmospheric chemistry of C2F5CH2OCH3 (HFE-365mcf). Physical Chemistry Chemical Physics, 2011, 13, 2758-2764.	1.3	9
51	Solubility of Acetic Acid and Trifluoroacetic Acid in Low-Temperature (207â^’245 K) Sulfuric Acid Solutions: Implications for the Upper Troposphere and Lower Stratosphere. Journal of Physical Chemistry A, 2011, 115, 4388-4396.	1.1	1
52	Time Horizons for Transport Climate Impact Assessments. Environmental Science & Technology, 2011, 45, 3169-3170.	4.6	6
53	Atmospheric Chemistry of Two Biodiesel Model Compounds: Methyl Propionate and Ethyl Acetate. Journal of Physical Chemistry A, 2011, 115, 8906-8919.	1.1	35
54	Atmospheric Chemistry of HCF₂O(CF₂CF₂O)_xCF₂H (x=2â€“4): Kinetics and Mechanisms of the Chlorineâ€Atomâ€Initiated Oxidation. ChemPhysChem, 2010, 11, 4035-4041.	1.0	10

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55	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
56	Kinetics of the reaction of Cl atoms with CHCl3 over the temperature range 253â€“313K. Chemical Physics Letters, 2010, 494, 160-162.	1.2	1
57	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.	3.3	4
58	Inhalation anaesthetics and climate change. British Journal of Anaesthesia, 2010, 105, 760-766.	1.5	142
59	Distillation Curves for Alcoholâ˜'Gasoline Blends. Energy & Fuels, 2010, 24, 2683-2691.	2.5	108
60	Atmospheric Chemistry of i-Butanol. Journal of Physical Chemistry A, 2010, 114, 12462-12469.	1.1	19
61	Vapor Pressures of Alcoholâ˜'Gasoline Blends. Energy & Fuels, 2010, 24, 3647-3654.	2.5	157
62	CHF₂OCHF₂ (HFE-134): IR Spectrum and Kinetics and Products of the Chlorine-Atom-Initiated Oxidation. Journal of Physical Chemistry A, 2010, 114, 4963-4967.	1.1	9
63	Kinetics of the gasâ€phase reactions of chlorine atoms with CH₂F₂, CH₃CCl₃, and CF₃CFH₂ over the temperature range 253â€“553 K. International Journal of Chemical Kinetics, 2009, 41, 401-406.	1.0	5
64	Methyl acetate reaction with OH and Cl: Reaction rates and products for a biodiesel analogue. Chemical Physics Letters, 2009, 472, 23-29.	1.2	9
65	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
66	Atmospheric Chemistry ofn-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, 7011-7020.	1.1	32
67	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
68	Kinetics and products of chlorine atom initiated oxidation of HCF₂OCF₂OCF₂CF₂OCF₂H and HCF₂O(CF₂O)_nâ€(CF₂CF₂O)_mCF₂. International Journal of Chemical Kinetics, 2008, 40, 819-825.	1.0	12
69	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
70	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
71	From Molecules to Droplets. Advances in Quantum Chemistry, 2008, 55, 355-385.	0.4	4
72	Atmospheric Chemistry of 3-Pentanol: 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, 2008, 112, 8053-8060.	1.1	21

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73	Comment on â€œAtmospheric Chemistry of Linear Perfluorinated Aldehydes:â€‰ Dissociation Kinetics of CnF2n+1CO Radicalsâ€•. Journal of Physical Chemistry A, 2008, 112, 576-577.	1.1	3
74	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
75	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
76	Atmospheric Chemistry of a Model Biodiesel Fuel, CH3C(O)O(CH2)2OC(O)CH3:Â 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, 2547-2554.	1.1	10
77	Atmospheric Chemistry of 2-ethoxy-3,3,4,4,5-pentafluorotetrahydro-2,5-bis[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]-furan:Â Kinetics, Mechanisms, and Products of Cl Atom and OH Radical Initiated Oxidation. Environmental Science & Technology, 2007, 41, 7389-7395.	4.6	5
78	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
79	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
80	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
81	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
82	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
83	Atmospheric chemistry of C4F9O(CH2)3OC4F9 and CF3CFHCF2O(CH2)3OCF3CFHCF2: Lifetimes, degradation products, and environmental impact. Chemical Physics Letters, 2006, 427, 41-46.	1.2	5
84	The effect of nitrogen dioxide on particle formation during ozonolysis of two abundant monoterpenes indoors. Atmospheric Environment, 2006, 40, 1030-1042.	1.9	44
85	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
86	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
87	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
88	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
89	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
90	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

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91	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
92	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
93	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
94	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.	1.0	7
95	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
96	Isotopic Processes in Atmospheric Chemistry. ChemInform, 2003, 34, no.	0.1	0
97	Panspermiaâ€"true or false?. Lancet, The, 2003, 362, 406.	6.3	5
98	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
99	Isotopic processes in atmospheric chemistry. Chemical Society Reviews, 2002, 31, 313-323.	18.7	67
100	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.	1.1	14
101	OH-initiated oxidation of benzene. Physical Chemistry Chemical Physics, 2002, 4, 4399-4411.	1.3	65
102	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
103	Infrared spectrum and global warming potential of SF5CF3. Atmospheric Environment, 2002, 36, 1237-1240.	1.9	32
104	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
105	Trifluoroacetic acid in ancient freshwater. Atmospheric Environment, 2001, 35, 2799-2801.	1.9	32
106	Comment on â€œNighttime Tropospheric Chemistry:Â Kinetics and Product Studies in the Reaction of 4-Alkyl- and 4-Alkoxytoluenes with NO3in Gas Phaseâ€• Environmental Science & Technology, 2000, 34, 2875-2875.	4.6	1
107	Kinetics and Mechanism of the Reaction of Cl Atoms with Nitrobenzene. Journal of Physical Chemistry A, 2000, 104, 11328-11331.	1.1	13
108	Atmospheric Chemistry of Trimethoxymethane, (CH3O)3CH; Laboratory Studies. Journal of Physical Chemistry A, 1999, 103, 2632-2640.	1.1	12

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109	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
110	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
111	Atmospheric Chemistry of CF3C(O)OCH2CF3: UV Spectra and Kinetic Data for CF3C(O)OCH(Â·)CF3and CF3C(O)OCH(OOÂ·)CF3Radicals, and Atmospheric Fate of CF3C(O)OCH(OÂ·)CF3Radicals. Journal of Physical Chemistry A, 1999, 103, 5705-5713.	1.1	13
112	Atmospheric Degradation of Anthropogenic Molecules. Handbook of Environmental Chemistry, 1999, , 63-99.	0.2	3
113	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
114	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
115	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
116	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
117	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
118	Kinetics and Mechanism of the Reactions of 2,3-Butadione with F and Cl Atoms, UV Absorption Spectra of CH3C(O)C(O)CH2Â· and CH3C(O)C(O)CH2O2Â· Radicals, and Atmospheric Fate of CH3C(O)C(O)CH2OÂ· Radicals. Journal of Physical Chemistry A, 1998, 102, 8913-8923.	1.1	9
119	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
120	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
121	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
122	Atmospheric chemistry of 1,4-dioxane Laboratory studies. Journal of the Chemical Society, Faraday Transactions, 1997, 93, 2855-2863.	1.7	21
123	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
124	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
125	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
126	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

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127	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
128	Atmospheric Chemistry and Environmental Impact of Hydrofluorocarbons and Hydrochlorofluorocarbons. ACS Symposium Series, 1997, , 16-30.	0.5	0
129	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
130	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
131	Atmospheric Chemistry of Nitrogen-Containing Species. , 1997, , 170-178.		1
132	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
133	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
134	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
135	Kinetics and mechanism of the reaction of CF3 radicals with NO2. International Journal of Chemical Kinetics, 1996, 28, 579-588.	1.0	10
136	Kinetics of the Reactions of Acetonitrile with Chlorine and Fluorine Atoms. The Journal of Physical Chemistry, 1996, 100, 660-668.	2.9	29
137	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
138	Kinetics and Mechanism of the Reaction of F Atoms with CH3Br. The Journal of Physical Chemistry, 1996, 100, 10989-10998.	2.9	18
139	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
140	Atmospheric Chemistry of 1,1,1,2-Tetrachloroethane (CCl3CH2Cl):â€‰ 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.	2.9	8
141	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
142	Role of Excited CF3CFHO Radicals in the Atmospheric Chemistry of HFC-134a. The Journal of Physical Chemistry, 1996, 100, 18116-18122.	2.9	141
143	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
144	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.	1.2	9

#	Article	IF	Citations
145	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
146	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
147	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.	2.9	13
148	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
149	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
150	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.	2.9	13
151	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.	2.9	8
152	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
153	Hydrofluorocarbons and stratospheric ozone. Faraday Discussions, 1995, 100, 55.	1.6	59
154	First direct kinetic study of isotopic enrichment of ozone. Journal of Geophysical Research, 1995, 100, 20979.	3.3	30
155	ATMOSPHERIC CHEMISTRY OF HYDROFLUOROCARBONS. Advanced Series in Physical Chemistry, 1995, , 616-685.	1.5	3
156	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.	2.9	15
157	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
158	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
159	A spectrokinetic study of CH2I and CH2IO2 radicals. International Journal of Chemical Kinetics, 1994, 26, 259-272.	1.0	52
160	Spectrokinetic study of SF5 and SF5O2 radicals and the reaction of SF5O2 with NO. International Journal of Chemical Kinetics, 1994, 26, 615-629.	1.0	14
161	Reactions of CF3O radicals with selected alkenes and aromatics under atmospheric conditions. Chemical Physics Letters, 1994, 218, 29-33.	1.2	15
162	Mechanistic study of the gas-phase reaction of CH2FO2 radicals with HO2. Chemical Physics Letters, 1994, 218, 34-42.	1.2	46

#	Article	IF	Citations
163	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
164	Atmospheric chemistry of CF3COOH. Kinetics of the reaction with OH radicals. Chemical Physics Letters, 1994, 226, 171-177.	1.2	20
165	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
166	Atmospheric chemistry of HFC-134a. Kinetic and mechanistic study of the CF3CFHO2+NO2 reaction. Chemical Physics Letters, 1994, 225, 375-380.	1.2	11
167	Pulse radiolysis study of CF3CCl2 and CF3CCl2O2 radicals in the gas phase at 295K. Research on Chemical Intermediates, 1994, 20, 265-276.	1.3	8
168	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
169	The Environmental Impact of CFC Replacements HFCs and HCFCs. Environmental Science & Technology, 1994, 28, 320A-326A.	4.6	52
170	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
171	The environmental impact of CFC replacements - HFCs and HCFCs. Environmental Science & Technology, 1994, 28, 320A-326A.	4.6	85
172	Comment on the Atmospheric Chemistry of FNO. The Journal of Physical Chemistry, 1994, 98, 10373-10373.	2.9	7
173	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
174	Rate constants for the reaction of CF3O radicals with hydrocarbons at 298 K. Chemical Physics Letters, 1993, 207, 498-503.	1.2	30
175	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
176	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
177	The reaction of nitromethane with hydrogen and deuterium atoms in the gas phase. A mechanistic study. Chemical Physics Letters, 1993, 215, 257-263.	1.2	7
178	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
179	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
180	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

#	Article	IF	Citations
181	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
182	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
183	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.	2.9	11
184	Novel method for the measurement of gas-phase peroxy radical absorption spectra. The Journal of Physical Chemistry, 1992, 96, 982-986.	2.9	25
185	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
186	The reactions of OH radicals with chloroalkanes in the temperature range 295â€“360 K. Chemical Physics Letters, 1992, 194, 123-127.	1.2	14
187	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
188	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
189	Rate constants for the gas-phase reactions of hydroxyl radicals with tetramethyllead and tetraethyllead. Environmental Science & Technology, 1991, 25, 1098-1103.	4.6	13
190	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
191	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
192	Rate constants for the gas-phase reactions of OH radicals with CH3CHF2 and CHC12CF3 over the temperature range 295â€“388 K. Chemical Physics Letters, 1991, 187, 286-290.	1.2	11
193	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
194	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
195	Ultraviolet absorption spectra and kinetics of CH3S and CH2SH radicals. Chemical Physics Letters, 1991, 182, 643-648.	1.2	24
196	Pulse radiolysis study of CF3CFHO2 radicals in the gas phase at 298 K. Chemical Physics Letters, 1991, 187, 33-39.	1.2	44
197	Ultraviolet absorption spectra and kinetics of acetonyl and acetonylperoxy radicals. Chemical Physics Letters, 1990, 173, 206-210.	1.2	43
198	Kinetics and mechanism for the oxidation of 1,1,1-trichloroethane. International Journal of Chemical Kinetics, 1990, 22, 577-590.	1.0	60

#	Article	IF	Citations
199	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
200	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
201	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
202	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
203	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
204	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
205	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
206	SO2pressure broadening and frequency shifting of H2O absorption lines in the infrared region. Molecular Physics, 1987, 62, 1111-1117.	0.8	2
207	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.	1.2	11
208	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.	2.9	6
209	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
210	Microwave Spectra of Thioketene and Four of Its Isotopic Species.. Acta Chemica Scandinavica, 1979, 33a, 161-165.	0.7	20
211	Production and microwave spectra of dithioformic acid, HCSSH. Journal of Molecular Spectroscopy, 1978, 69, 401-408.	0.4	26
212	Far infrared gas spectra of nitrosyl cyanide. Journal of Molecular Structure, 1978, 49, 97-104.	1.8	13
213	Selenoketene substitution structure. Chemical Physics Letters, 1978, 55, 36-39.	1.2	15
214	Formation, microwave spectrum and preliminary structure of selenoketene. Chemical Physics Letters, 1978, 53, 374-376.	1.2	21
215	HCN and HNC dimers. A new and stable variant. Chemical Physics Letters, 1978, 59, 330-333.	1.2	28
216	The preparation of nitrosyl cyanide, ONCN, and 8 isotopic species. Journal of Labelled Compounds and Radiopharmaceuticals, 1978, 15, 715-722.	0.5	3

#	Article	IF	Citations
217	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