

Joseph Bozzelli

List of Publications by Year in descending order

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209
papers

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46918

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3773
citing authors

#	ARTICLE	IF	CITATIONS
1	THERM: Thermodynamic property estimation for gas phase radicals and molecules. International Journal of Chemical Kinetics, 1991, 23, 767-778.	1.0	460
2	O + NNH: A possible new route for NOX formation in flames. International Journal of Chemical Kinetics, 1995, 27, 1097-1109.	1.0	222
3	Hydrogen Atom Bond Increments for Calculation of Thermodynamic Properties of Hydrocarbon Radical Species. The Journal of Physical Chemistry, 1995, 99, 14514-14527.	2.9	160
4	Hydrocarbon radical reactions with oxygen: comparison of allyl, formyl, and vinyl to ethyl. The Journal of Physical Chemistry, 1993, 97, 4427-4441.	2.9	145
5	Enthalpies of Formation, Bond Dissociation Energies and Reaction Paths for the Decomposition of Model Biofuels: Ethyl Propanoate and Methyl Butanoate. Journal of Physical Chemistry A, 2007, 111, 3727-3739.	1.1	145
6	Impact of SO2 and NO on CO oxidation under post-flame conditions. International Journal of Chemical Kinetics, 1996, 28, 773-790.	1.0	140
7	Detailed Kinetics and Thermochemistry of C2H5+ O2: Reaction Kinetics of the Chemically-Activated and Stabilized CH3CH2OO. Journal of Physical Chemistry A, 2002, 106, 7276-7293.	1.1	140
8	Ethanol Oxidation: Kinetics of the $\dot{\text{C}}\text{H}_2\text{-Hydroxyethyl Radical} + \text{O}_2$ Reaction. Journal of Physical Chemistry A, 2009, 113, 8923-8933.	1.1	118
9	Chemical activation analysis of the reaction of ethyl radical with oxygen. The Journal of Physical Chemistry, 1990, 94, 3313-3317.	2.9	107
10	Enthalpies of Formation and Group Additivity of Alkyl Peroxides and Trioxides. Journal of Physical Chemistry A, 1997, 101, 9505-9510.	1.1	105
11	Ab Initio Study of $\dot{\text{C}}\text{H}_2\text{-Chlorinated Ethyl Hydroperoxides}$ CH3CH2OOH, CH3CHClOOH, and CH3CCl2OOH: Conformational Analysis, Internal Rotation Barriers, Vibrational Frequencies, and Thermodynamic Properties. The Journal of Physical Chemistry, 1996, 100, 8240-8249.	2.9	104
12	Thermal Decomposition of the Benzyl Radical to Fulvenallene (C ₇ H ₆) + H. Journal of Physical Chemistry A, 2009, 113, 6111-6120.	1.1	100
13	Detailed Kinetic Study of the Growth of Small Polycyclic Aromatic Hydrocarbons. 1. 1-Naphthyl + Ethyne. Journal of Physical Chemistry A, 2001, 105, 1561-1573.	1.1	97
14	Enthalpies of Formation, Bond Dissociation Energies, and Molecular Structures of α -Aldehydes (Acetaldehyde, Propanal, Butanal, Pentanal, Hexanal, and Heptanal) and Their Radicals. Journal of Physical Chemistry A, 2006, 110, 13058-13067.	1.1	93
15	Thermochemical and Kinetic Analysis of the H, OH, HO2, O, and O2 Association Reactions with Cyclopentadienyl Radical. Journal of Physical Chemistry A, 1998, 102, 3537-3555.	1.1	91
16	Thermodynamic Properties (Enthalpy, Bond Energy, Entropy, and Heat Capacity) and Internal Rotor Potentials of Vinyl Alcohol, Methyl Vinyl Ether, and Their Corresponding Radicals. Journal of Physical Chemistry A, 2006, 110, 7925-7934.	1.1	88
17	Oxidation of the Benzyl Radical: Mechanism, Thermochemistry, and Kinetics for the Reactions of Benzyl Hydroperoxide. Journal of Chemical Theory and Computation, 2009, 5, 3185-3194.	2.3	85
18	CHEMACT: A Computer Code to Estimate Rate Constants for Chemically-Activated Reactions. Combustion Science and Technology, 1991, 80, 63-85.	1.2	84

#	ARTICLE	IF	CITATIONS
19	Thermal reactions of CH ₂ Cl ₂ in H ₂ /O ₂ mixtures: Implications for chlorine inhibition of CO conversion to CO ₂ . <i>Combustion and Flame</i> , 1992, 88, 265-295.	2.8	82
20	Variational Analysis of the Phenyl + O ₂ and Phenoxy + O Reactions. <i>Journal of Physical Chemistry A</i> , 2008, 112, 3566-3575.	1.1	82
21	The C ₇ H ₅ Fulvenallenyl Radical as a Combustion Intermediate: Potential New Pathways to Two- and Three-Ring PAHs. <i>Journal of Physical Chemistry A</i> , 2009, 113, 12045-12048.	1.1	78
22	Toluene Combustion: Reaction Paths, Thermochemical Properties, and Kinetic Analysis for the Methylphenyl Radical + O ₂ Reaction. <i>Journal of Physical Chemistry A</i> , 2007, 111, 8663-8676.	1.1	77
23	Kinetics and Thermochemistry for the Gas-Phase Keto~Enol Tautomerism of Phenol at 2,4-Cyclohexadienone. <i>Journal of Physical Chemistry A</i> , 2003, 107, 3696-3703.	1.1	70
24	Kinetic Study on Pyrolysis and Oxidation of CH ₃ Cl in Ar/H ₂ /O ₂ Mixtures. <i>Combustion Science and Technology</i> , 1992, 85, 23-63.	1.2	66
25	Bond dissociation energy of the phenol OH bond from ab initio calculations. <i>Chemical Physics Letters</i> , 2006, 424, 42-45.	1.2	66
26	Quantum Chemical Study of the Acrolein (CH ₂ =CHCHO) + OH + O ₂ Reactions. <i>Journal of Physical Chemistry A</i> , 2010, 114, 8302-8311.	1.1	63
27	Molecular density of states from estimated vapor phase heat capacities. <i>International Journal of Chemical Kinetics</i> , 1997, 29, 161-170.	1.0	62
28	Analysis of Tertiary Butyl Radical + O ₂ , Isobutene + HO ₂ , Isobutene + OH, and Isobutene~OH Adducts + O ₂ : A Detailed Tertiary Butyl Oxidation Mechanism. <i>Journal of Physical Chemistry A</i> , 1999, 103, 9731-9769.	1.1	62
29	Kinetic Analysis for HO ₂ Addition to Ethylene, Propene, and Isobutene, and Thermochemical Parameters of Alkyl Hydroperoxides and Hydroperoxide Alkyl Radicals. <i>Journal of Physical Chemistry A</i> , 2000, 104, 4997-5012.	1.1	62
30	Elementary Reaction Mechanism for Benzene Oxidation in Supercritical Water. <i>Journal of Physical Chemistry A</i> , 2000, 104, 10576-10586.	1.1	61
31	Structures, thermochemical properties (enthalpy, entropy and heat capacity), rotation barriers, and peroxide bond energies of vinyl, allyl, ethynyl and phenyl hydroperoxides. Electronic supplementary information (ESI) available. Structures, geometry parameters, thermochemical properties, rotation barriers and peroxide bond energies of vinyl, allyl, ethynyl and phenyl hydroperoxides. See http://www.rsc.org/suppdata/cp/b1/b111303h/ Presented at the Bunsen Discussion on Formation and Degradation of Hydrocarbons I. <i>Physical Chemistry Chemical Physics</i> , 2002, 4, 3691-3703.	1.3	60
32	Thermochemical Properties, Rotation Barriers, Bond Energies, and Group Additivity for Vinyl, Phenyl, Ethynyl, and Allyl Peroxides. <i>Journal of Physical Chemistry A</i> , 2004, 108, 8353-8366.	1.1	60
33	Kinetic modeling of the benzyl+HO ₂ reaction. <i>Proceedings of the Combustion Institute</i> , 2009, 32, 287-294.	2.4	59
34	Thermochemical Property, Pathway and Kinetic Analysis on the Reactions of Allylic Isobutenyl Radical with O ₂ : an Elementary Reaction Mechanism for Isobutene Oxidation. <i>Journal of Physical Chemistry A</i> , 2000, 104, 9715-9732.	1.1	58
35	Quantum Chemical Study of the Structure and Thermochemistry of the Five-Membered Nitrogen-Containing Heterocycles and Their Anions and Radicals. <i>Journal of Physical Chemistry A</i> , 2006, 110, 13979-13988.	1.1	58
36	Thermochemical Properties, $\Delta H^\circ(298)$, $\Delta S^\circ(298)$, and $C_p^\circ(T)$, for n-Butyl and n-Pentyl Hydroperoxides and the Alkyl and Peroxy Radicals, Transition States, and Kinetics for Intramolecular Hydrogen Shift Reactions of the Peroxy Radicals. <i>Journal of Physical Chemistry A</i> , 2007, 111, 6361-6377.	1.1	58

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37	Kinetics of the Cyclopentadienyl + Acetylene, Fulvenallene + H, and 1-Ethynylcyclopentadiene + H Reactions. <i>Journal of Physical Chemistry A</i> , 2010, 114, 2275-2283.	1.1	57
38	Decomposition of Methylbenzyl Radicals in the Pyrolysis and Oxidation of Xylenes. <i>Journal of Physical Chemistry A</i> , 2009, 113, 10264-10278.	1.1	55
39	Thermochemistry, Reaction Paths, and Kinetics on the Hydroperoxy-Ethyl Radical Reaction with O ₂ : New Chain Branching Reactions in Hydrocarbon Oxidation. <i>Journal of Physical Chemistry A</i> , 2002, 106, 1113-1121.	1.1	54
40	Thermochemical and Kinetic Analysis of the Formyl Methyl Radical + O ₂ Reaction System. <i>Journal of Physical Chemistry A</i> , 2003, 107, 3778-3791.	1.1	53
41	Thermodynamic and Ab Initio Analysis of the Controversial Enthalpy of Formation of Formaldehyde. <i>ChemPhysChem</i> , 2006, 7, 1119-1126.	1.0	53
42	CATALYTIC HYDRODECHLORINATION OF 1,2-DICHLOROETHANE AND TRICHLOROETHYLENE OVER Rh/SiO ₂ CATALYSTS. <i>Chemical Engineering Communications</i> , 1992, 115, 1-11.	1.5	52
43	Ab Initio Calculations and Internal Rotor: Contribution for Thermodynamic Properties S [°] ₂₉₈ and Cp(T)'s (300 < T/K < 1500): Group Additivity for Fluoroethanes. <i>Journal of Physical Chemistry A</i> , 1998, 102, 7286-7293.	1.1	52
44	Thermochemistry of Acetylonyl and Related Radicals. <i>Journal of Physical Chemistry A</i> , 2006, 110, 13618-13623.	1.1	52
45	Thermochemical and Kinetic Analysis on the Reactions of Neopentyl and Hydroperoxy-Neopentyl Radicals with Oxygen: Part I. OH and Initial Stable HC Product Formation. <i>Journal of Physical Chemistry A</i> , 2004, 108, 1694-1711.	1.1	50
46	Benzoyl Radical Decomposition Kinetics: Formation of Benzaldehyde + H, Phenyl + CH ₂ O, and Benzene + HCO. <i>Journal of Physical Chemistry A</i> , 2009, 113, 6979-6986.	1.1	50
47	Kinetic and Thermodynamic Analysis on OH Addition to Ethylene: Adduct Formation, Isomerization, and Isomer Dissociations. <i>Journal of Physical Chemistry A</i> , 1999, 103, 7646-7655.	1.1	49
48	Thermochemical and Kinetic Analysis of the Acetyl Radical (CH ₃ C=O) + O ₂ Reaction System. <i>Journal of Physical Chemistry A</i> , 2002, 106, 7155-7170.	1.1	49
49	Thermochemical Properties, Pathway, and Kinetic Analysis on the Reactions of Benzene with OH: An Elementary Reaction Mechanism. <i>Journal of Physical Chemistry A</i> , 2004, 108, 4632-4652.	1.1	49
50	Formation of a Criegee intermediate in the low-temperature oxidation of dimethyl sulfoxide. <i>Physical Chemistry Chemical Physics</i> , 2008, 10, 1769.	1.3	49
51	Chain Branching and Termination in the Low-Temperature Combustion of n-Alkanes: 2-Pentyl Radical + O ₂ , Isomerization and Association of the Second O ₂ . <i>Journal of Physical Chemistry A</i> , 2010, 114, 7693-7708.	1.1	49
52	Chloroform Pyrolysis: Experiment and Detailed Reaction Model. <i>Combustion Science and Technology</i> , 1992, 85, 345-373.	1.2	47
53	Correlations between lead and coronene concentrations at urban, suburban, and industrial sites in New Jersey. <i>Environmental Science & Technology</i> , 1981, 15, 566-570.	4.6	46
54	Thermochemical and Kinetic Analysis on the Reactions of O ₂ with Products from OH Addition to Isobutene, 2-Hydroxy-1,1-dimethylethyl, and 2-Hydroxy-2-methylpropyl Radicals: HO ₂ Formation from Oxidation of Neopentane, Part II. <i>Journal of Physical Chemistry A</i> , 2007, 111, 4974-4986.	1.1	46

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55	Thermochemistry and Bond Dissociation Energies of Ketones. <i>Journal of Physical Chemistry A</i> , 2012, 116, 5707-5722.	1.1	45
56	Time-integrated pointers for enabling the analysis of detailed reaction mechanisms. <i>AIChE Journal</i> , 2004, 50, 2956-2970.	1.8	44
57	Thermochemistry of Methyl and Ethyl Nitro, RNO ₂ , and Nitrite, RONO, Organic Compounds. <i>Journal of Physical Chemistry A</i> , 2008, 112, 3172-3185.	1.1	44
58	Thermochemistry of C ₇ H ₁₆ to C ₁₀ H ₂₂ Alkane Isomers: Primary, Secondary, and Tertiary C-H Bond Dissociation Energies and Effects of Branching. <i>Journal of Physical Chemistry A</i> , 2014, 118, 9364-9379.	1.1	44
59	Structures, Intramolecular Rotation Barriers, and Thermochemical Properties of Radicals Derived from H Atom Loss in Mono-, Di-, and Trichloromethanol and Parent Chloromethanols. <i>Journal of Physical Chemistry A</i> , 2001, 105, 4504-4516.	1.1	43
60	Role of the $\dot{\text{I}}$ -hydroxyethylperoxy radical in the reactions of acetaldehyde and vinyl alcohol with HO ₂ . <i>Chemical Physics Letters</i> , 2009, 483, 25-29.	1.2	43
61	Thermodynamic Parameters and Group Additivity Ring Corrections for Three- to Six-Membered Oxygen Heterocyclic Hydrocarbons. <i>Journal of Physical Chemistry A</i> , 1997, 101, 2471-2477.	1.1	42
62	Thermochemical Properties of <i>exo</i> -Tricyclo[5.2.1.0 ^{2,6}]decane (JP-10 Jet Fuel) and Derived Tricyclodecyl Radicals. <i>Journal of Physical Chemistry A</i> , 2010, 114, 9545-9553.	1.1	42
63	Mercury Oxidation via Chlorine, Bromine, and Iodine under Atmospheric Conditions: Thermochemistry and Kinetics. <i>Journal of Physical Chemistry A</i> , 2014, 118, 2959-2975.	1.1	41
64	Development of a detailed high-pressure reaction model for methane/methanol mixtures under pyrolytic and oxidative conditions and comparison with experimental data. <i>Fuel Processing Technology</i> , 2003, 83, 111-145.	3.7	40
65	Structures, Intramolecular Rotation Barriers, and Thermochemical Properties of Methyl Ethyl, Methyl Isopropyl, and Methyl tert-Butyl Ethers and the Corresponding Radicals. <i>Journal of Physical Chemistry A</i> , 2003, 107, 4531-4546.	1.1	40
66	Retro-[3 + 2]-Cycloaddition Reactions in the Decomposition of Five-Membered Nitrogen-Containing Heterocycles. <i>Journal of Organic Chemistry</i> , 2008, 73, 1343-1353.	1.7	40
67	Reaction of H + ketene to formyl methyl and acetyl radicals and reverse dissociations. <i>International Journal of Chemical Kinetics</i> , 2003, 35, 20-44.	1.0	37
68	Thermochemical Properties, Rotation Barriers, and Group Additivity for Unsaturated Oxygenated Hydrocarbons and Radicals Resulting from Reaction of Vinyl and Phenyl Radical Systems with O ₂ . <i>Journal of Physical Chemistry A</i> , 2005, 109, 2233-2253.	1.1	37
69	On the reactivity of methylbenzenes. <i>Combustion and Flame</i> , 2010, 157, 2175-2183.	2.8	37
70	Structures, Intramolecular Rotation Barriers, and Thermodynamic Properties (Enthalpies, Entropies) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 <i>Journal of Physical Chemistry A</i> , 2000, 104, 8270-8282.	1.1	36
71	Theoretical Study of the Oxidation Catalyst N-Hydroxyphthalimide (NHPI): Thermochemical Properties, Internal Rotor Potential, and Gas- and Liquid-Phase Bond Dissociation Energies. <i>Journal of Physical Chemistry C</i> , 2007, 111, 5760-5765.	1.5	36
72	Thermochemical and kinetic analysis on the addition reactions of H, O, OH, and HO ₂ with 1,3 cyclopentadiene. <i>International Journal of Chemical Kinetics</i> , 1997, 29, 893-913.	1.0	35

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73	Formation of Chlorinated Aromatics by Reactions of Cl [•] , Cl ₂ , and HCl with Benzene in the Cool-Down Zone of a Combustor. <i>Environmental Science & Technology</i> , 2003, 37, 1684-1689.	4.6	35
74	Thermochemistry for enthalpies and reaction paths of nitrous acid isomers. <i>International Journal of Chemical Kinetics</i> , 2007, 39, 378-398.	1.0	35
75	Measurement of Selected Volatile Organic Compounds at Three Locations in New Jersey during the Summer Season. <i>Journal of the Air Pollution Control Association</i> , 1983, 33, 1177-1183.	0.5	34
76	Conversion of chloroform to hydrochloric acid by reaction with hydrogen and water vapor. <i>Environmental Science & Technology</i> , 1986, 20, 568-574.	4.6	34
77	Presence of Chlorine Radicals and Formation of Molecular Chlorine in the Post-Flame Region of Chlorocarbon Combustion. <i>Environmental Science & Technology</i> , 2000, 34, 4565-4570.	4.6	34
78	Molecular Products and Fundamentally Based Reaction Pathways in the Gas-Phase Pyrolysis of the Lignin Model Compound <i>p</i> -Coumaryl Alcohol. <i>Journal of Physical Chemistry A</i> , 2017, 121, 3352-3371.	1.1	34
79	Comparisons of CBS-q and G2 calculations on thermodynamic properties, transition states, and kinetics of dimethyl-ether + O ₂ reaction system. <i>International Journal of Chemical Kinetics</i> , 2000, 32, 435-452.	1.0	33
80	Kinetics of the Multichannel Reaction of Methanethiyl Radical (CH ₃ S [•]) with SO ₂ . <i>Journal of Physical Chemistry A</i> , 2006, 110, 6923-6937.	1.1	33
81	Thermodynamic properties of the species resulting from the phenyl radical with O ₂ reaction system. <i>International Journal of Chemical Kinetics</i> , 2008, 40, 583-604.	1.0	33
82	Indene Formation from Alkylated Aromatics: Kinetics and Products of the Fulvenallene + Acetylene Reaction. <i>Journal of Physical Chemistry A</i> , 2009, 113, 8971-8978.	1.1	33
83	Formation and Decomposition of Chemically Activated and Stabilized Hydrazine. <i>Journal of Physical Chemistry A</i> , 2010, 114, 6235-6249.	1.1	33
84	Thermodynamic Properties ($\Delta_f H^\circ(298)$, $S(298)$, and $C_p(T)$ (300 $\leq T \leq$ 1500)) of Fluorinated Propanes. <i>Journal of Physical Chemistry A</i> , 1999, 103, 5602-5610.	1.1	32
85	Standard Chemical Thermodynamic Properties of Multichloro Alkanes and Alkenes: A Modified Group Additivity Scheme. <i>Journal of Physical Chemistry A</i> , 1998, 102, 4551-4558.	1.1	31
86	The multi-channel reaction of CH ₃ S + SO ₂ : Thermochemistry and kinetic barriers. <i>Computational and Theoretical Chemistry</i> , 2005, 728, 147-157.	1.5	30
87	Quantum Chemical Study of the Thermal Decomposition of <i>o</i> -Quinone Methide (6-Methylene-2,4-cyclohexadien-1-one). <i>Journal of Physical Chemistry A</i> , 2007, 111, 7987-7994.	1.1	30
88	Thermochemical Properties Enthalpy, Entropy, and Heat Capacity of C ₁ -C ₄ Fluorinated Hydrocarbons: Fluorocarbon Group Additivity. <i>Journal of Physical Chemistry A</i> , 2015, 119, 8202-8215.	1.1	30
89	Hydroxyl Radical Initiated Oxidation of <i>s</i> -Triazine: Hydrogen Abstraction Is Faster than Hydroxyl Addition. <i>Journal of Physical Chemistry A</i> , 2009, 113, 8596-8606.	1.1	28
90	Kinetic Study of Di- <i>t</i> -Butyl Peroxide: Thermal Decomposition and Product Reaction Pathways. <i>International Journal of Chemical Kinetics</i> , 2015, 47, 133-161.	1.0	27

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91	Soil and Water Decontamination by Extraction with Surfactants. Separation Science and Technology, 1993, 28, 793-804.	1.3	26
92	Thermochemistry and Kinetics for 2-Butanone-3-yl Radical ($\text{CH}_3\text{C}(=\text{O})\text{CH}_2\text{CH}_3$) Reactions with O_2 . Zeitschrift Fur Physikalische Chemie, 2011, 225, 993-1018.	1.4	26
93	Thermochemistry and Kinetics for 2-Butanone-1-yl Radical ($\text{CH}_2\text{C}(\text{OH})\text{CH}_2\text{CH}_3$) Reactions with O_2 . Journal of Physical Chemistry A, 2014, 118, 21-37.	1.1	26
94	Pathways to Chlorinated Dibenzodioxins and Dibenzofurans from Partial Oxidation of Chlorinated Aromatics by OH Radical: Thermodynamic and Kinetic Insights. Combustion Science and Technology, 1994, 101, 153-169.	1.2	25
95	Structures, Rotational Barriers, Thermochemical Properties, and Additivity Groups for 2-Propanol, 2-Chloro-2-propanol and the Corresponding Alkoxy and Hydroxyalkyl Radicals. Journal of Physical Chemistry A, 2002, 106, 3947-3956.	1.1	25
96	Thermochemistry, Reaction Paths, and Kinetics on the <i>tert</i> -Isooctane Radical Reaction with O_2 . Journal of Physical Chemistry A, 2014, 118, 4631-4646.	1.1	25
97	Volatile organic compounds at hazardous waste sites and a sanitary landfill in New Jersey. Environmental Progress, 1986, 5, 18-27.	0.8	24
98	Vibrational relaxation of highly excited diatomics. I. Method, analysis, and application to $\text{HCl}(\nu_7)+\text{CO}_2$ and N_2O . Journal of Chemical Physics, 1982, 76, 2972-2983.	1.2	23
99	Structures, Rotation Barrier, and Thermodynamic Properties $\hat{H}^\circ(298\text{ K})$, $S^\circ(298\text{ K})$, and $C_p(T)$ of Chloromethyl Hypochlorites CH_3OCl , CH_2ClOCl , CHCl_2OCl , and CCl_3OCl . Journal of Physical Chemistry A, 2000, 104, 9581-9590.	1.1	23
100	Structures, Intramolecular Rotation Barriers, and Thermochemical Properties: \hat{H}° Ethanol, \hat{H}° -Monoethanols, Dichloroethanols, and Corresponding Radicals Derived from H Atom Loss. Journal of Physical Chemistry A, 2001, 105, 9543-9552.	1.1	23
101	Reactions of water vapor or molecular hydrogen with trichloroethylene in a microwave plasma reactor. Plasma Chemistry and Plasma Processing, 1988, 8, 293-314.	1.1	22
102	Thermochemical Properties ($\hat{H}^\circ(298\text{ K})$, $S^\circ(298\text{ K})$, $C_p(T)$) and Bond Dissociation Energies for C_1 - C_4 Normal Hydroperoxides and Peroxy Radicals. Journal of Chemical & Engineering Data, 2016, 61, 1836-1849.	1.0	22
103	Reactions of Chlorinated Benzenes in H_2 and in H_2/O_2 Mixtures: Thermodynamic Implications on Pathways to Dioxin. Combustion Science and Technology, 1990, 74, 117-135.	1.2	21
104	Chlorocarbon-Induced Incomplete Combustion In A Jet-Stirred Reactor. Combustion Science and Technology, 1992, 85, 87-100.	1.2	21
105	An experimental and numerical study of the high-temperature oxidation of 1,1,1- $\text{C}_2\text{H}_3\text{Cl}_3$. Combustion and Flame, 1994, 98, 155-169.	2.8	21
106	Reaction of OH Radical with $\text{C}_2\text{H}_3\text{Cl}$: \hat{H}° Rate Constant and Reaction Pathway Analysis. Journal of Physical Chemistry A, 1999, 103, 7800-7810.	1.1	20
107	Structures, Rotational Barriers, and Thermodynamic Properties of C_2 Vinyl and Chlorovinyl Alcohols and Additivity Groups. Journal of Physical Chemistry A, 2000, 104, 9197-9206.	1.1	20
108	Thermochemical Properties for Isooctane and Carbon Radicals: Computational Study. Journal of Physical Chemistry A, 2013, 117, 421-429.	1.1	20

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109	Thermochemical Properties and Bond Dissociation Enthalpies of 3- to 5-Member Ring Cyclic Ether Hydroperoxides, Alcohols, and Peroxy Radicals: Cyclic Ether Radical + 3O ₂ Reaction Thermochemistry. <i>Journal of Physical Chemistry A</i> , 2014, 118, 3147-3167.	1.1	20
110	Enthalpy of formation and bond energies on unsaturated oxygenated hydrocarbons using G3MP2B3 calculation methods. <i>International Journal of Chemical Kinetics</i> , 2005, 37, 633-648.	1.0	19
111	Thermochemistry and kinetics of acetylperoxy radical isomerisation and decomposition: a quantum chemistry and CVT/SCT approach. <i>Physical Chemistry Chemical Physics</i> , 2008, 10, 7139.	1.3	19
112	Thermochemistry and Reaction Paths in the Oxidation Reaction of Benzoyl Radical: C ₆ H ₅ C [•] . <i>Journal of Physical Chemistry A</i> , 2011, 115, 11897-11914. ^{1.1}	1.1	19
113	Thermochemical Properties of Methyl-Substituted Cyclic Alkyl Ethers and Radicals for Oxiranes, Oxetanes, and Oxolanes: C-H Bond Dissociation Enthalpy Trends with Ring Size and Ether Site. <i>Journal of Physical Chemistry A</i> , 2013, 117, 378-392.	1.1	19
114	Gas Phase Mercury Oxidation by Halogens (Cl, Br, I) in Combustion Effluents: Influence of Operating Conditions. <i>Energy & Fuels</i> , 2016, 30, 603-615.	2.5	19
115	Thermochemistry of Hydroxyl and Hydroperoxide Substituted Furan, Methylfuran, and Methoxyfuran. <i>Journal of Physical Chemistry A</i> , 2017, 121, 4523-4544.	1.1	19
116	Monitoring volatile organic compounds at hazardous and sanitary landfills in New Jersey. <i>Journal of Environmental Science and Health Part A, Environmental Science and Engineering</i> , 1985, 20, 491-501.	0.1	18
117	Reaction of chlorocarbons to hydrochloric acid and hydrocarbons in a hydrogen-rich microwave induced plasma reactor. <i>Environmental Science & Technology</i> , 1989, 23, 666-671.	4.6	18
118	Thermodynamic Properties $\Delta H_f^\circ(298.15\text{K})$, $\Delta S_f^\circ(298.15\text{K})$, and $C_p(T)$ for 2-Fluoro-2-Methylpropane, $\Delta H_f^\circ(298.15\text{K})$ of Fluorinated Ethanes, and Group Additivity for Fluoroalkanes. <i>Journal of Physical Chemistry A</i> , 1999, 103, 7373-7379.	1.1	18
119	Comparison of selected volatile organic compounds during the summer and winter at urban sites in New Jersey. <i>Science of the Total Environment</i> , 1984, 38, 259-274.	3.9	17
120	Chemical makeup and physical characterization of a synthetic fuel and methods of heat content evaluation for studies on MSW incineration. <i>Fuel</i> , 2002, 81, 211-217.	3.4	17
121	Thermochemical Properties, $\Delta H_f^\circ(298.15\text{K})$, $\Delta S_f^\circ(298.15\text{K})$, and $C_p^\circ(T)$, of 1,4-Dioxin, 2,3-Benzodioxin, Furan, 2,3-Benzofuran, and Twelve Monochloro and Dichloro Dibenzo-p-dioxins and Dibenzofurans. <i>Journal of Physical and Chemical Reference Data</i> , 2003, 32, 1713-1735.	1.9	17
122	Thermochemical Similarities Among Three Reaction Systems: Vinyl+O ₂ Phenyl+O ₂ Dibenzofuranyl+O ₂ . <i>Combustion Science and Technology</i> , 2008, 180, 959-974.	1.2	17
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