John C Mackie

List of Publications by Year
in descending order

135	3,548	126907	168389
papers	citations	33 h-index	53 g-index

136	136	136	2594
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Modeling and Experimental Study on the Thermal Decomposition of Perfluorooctanesulfonic Acid (PFOS) in an Î±-Alumina Reactor. Industrial & Engineering Chemistry Research, 2022, 61, 5453-5463.	3.7	7
2	Kinetics of Decomposition of PFOS Relevant to Thermal Desorption Remediation of Soils. Industrial & Engineering Chemistry Research, 2021, 60, 9080-9087.	3.7	11
3	The Catalyzed Conversion of Methane to Valueâ€Added Products. Energy Technology, 2020, 8, 1900665.	3.8	13
4	Study on Catalyst Deactivation During the Hydrodeoxygenation of Model Compounds. Topics in Catalysis, 2020, 63, 778-792.	2.8	16
5	Products and mechanism of thermal decomposition of chlorpyrifos under inert and oxidative conditions. Environmental Sciences: Processes and Impacts, 2020, 22, 2084-2094.	3.5	8
6	Mechanisms of thermal decomposition of cyclodiene pesticides, identification and possible mitigation of their toxic products. Proceedings of the Combustion Institute, 2019, 37, 1143-1150.	3.9	5
7	Formation of polychlorinated dibenzo-p-dioxins and dibenzofurans (PCDD/F) from oxidation of 4,4â€²-dichlorobiphenyl (4,4â€²-DCB). Proceedings of the Combustion Institute, 2019, 37, 1075-1082.	3.9	12
8	Thermal oxidation of dieldrin and concomitant formation of toxic products including polychlorinated dibenzo-p-dioxin and dibenzofuran (PCDD/F). Chemosphere, 2019, 225, 209-216.	8.2	5
9	Pyrolysis of Glyphosate and Its Toxic Products. Environmental Science & Technology, 2019, 53, 13742-13747.	10.0	13
10	Mechanism of the Thermal Decomposition of Chlorpyrifos and Formation of the Dioxin Analog, 2,3,7,8-Tetrachloro-1,4-dioxino-dipyridine (TCDDpy). Environmental Science & Technology, 2018, 52, 7327-7333.	10.0	17
11	Process for Chloroform Decomposition: Nonthermal Plasma Polymerization with Methane and Hydrogen. Industrial & Engineering Chemistry Research, 2018, 57, 9075-9082.	3.7	1
12	Mechanism and Rate of Thermal Decomposition of Hexachlorocyclopentadiene and Its Importance in PCDD/F Formation from the Combustion of Cyclodiene Pesticides. Journal of Physical Chemistry A, 2017, 121, 5871-5883.	2.5	8
13	Gas phase pyrolysis of endosulfan and formation of dioxin precursors of polychlorinated dibenzo-p-dioxins and dibenzofurans (PCDD/F). Proceedings of the Combustion Institute, 2017, 36, 1119-1127.	3.9	5
14	Oxidation of 4-bromo-4'-chlorobiphenyl, model species for forming mixed halogenated aromatic compounds. International Journal of Environment and Pollution, 2017, 61, 243.	0.2	4
15	Experimental investigation of the reaction of HCFC-22 and methane in a dielectric barrier discharge non-equilibrium plasma. Chemical Engineering Journal, 2016, 301, 73-82.	12.7	4
16	Gas Phase Thermal Oxidation of Endosulfan and Formation of Polychlorinated Dibenzo-<i>p</i>-dioxins and Dibenzofurans. Environmental Science & Technology, 2016, 50, 10106-10113.	10.0	6
17	Reaction of dichloromethane under non-oxidative conditions in a dielectric barrier discharge reactor and characterisation of the resultant polymer. Chemical Engineering Journal, 2016, 290, 499-506.	12.7	4
18	Experimental Study on the Reaction of CCl3F and CH4in a Dielectric Barrier Discharge Nonequilibrium Plasma Reactor. Industrial & Engineering Chemistry Research, 2016, 55, 463-471.	3.7	2

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19	Effect of methane on the conversion of HFC-134a in a dielectric barrier discharge non-equilibrium plasma reactor. Chemical Engineering Journal, 2016, 284, 412-421.	12.7	8
20	Thermodynamic stability and structure of cuprous chloride surfaces: a DFT investigation. Physical Chemistry Chemical Physics, 2015, 17, 7038-7045.	2.8	8
21	S-Nitrosation of Aminothiones. Journal of Organic Chemistry, 2015, 80, 6951-6958.	3.2	1
22	Characterization of Polymer Synthesized from the Nonequilibrium Plasma Conversion of CFC-12 and Methane in a Dielectric Barrier Discharge Reactor. Industrial & Engineering Chemistry Research, 2014, 53, 19380-19386.	3.7	4
23	Water formation via HCl oxidation on Cu(100). Applied Surface Science, 2014, 299, 156-161.	6.1	5
24	Nonequilibrium Plasma Polymerization of HFC-134a in a Dielectric Barrier Discharge Reactor: Polymer Characterization and a Proposed Mechanism for Polymer Formation. IEEE Transactions on Plasma Science, 2014, 42, 3095-3100.	1.3	7
25	Reaction of carbon tetrachloride with methane in a non-equilibrium plasma at atmospheric pressure, and characterisation of the polymer thus formed. Journal of Hazardous Materials, 2014, 280, 38-45.	12.4	3
26	Comparative Study on the Formation of Toxic Species from 4-chlorobiphenyl in Fires: Effect of Catalytic Surfaces. Procedia Engineering, 2013, 62, 350-358.	1.2	6
27	Study on the Reaction of CCl_2F_2 with CH_4 in a Dielectric Barrier Discharge Nonequilibrium Plasma. Plasma Processes and Polymers, 2013, 10, n/a-n/a.	3.0	2
28	Reaction of chloroform in a non-oxidative atmosphere using dielectric barrier discharge. , 2013, , .		0
29	Roles of peroxides and unsaturation in spontaneous heating of linseed oil. Fire Safety Journal, 2013, 61, 108-115.	3.1	9
30	Formation of polychlorinated dibenzo-p-dioxins and polychlorinated dibenzofurans (PCDD/F) by precursor pathways in oxidation of pesticide alpha-cypermethrin. Proceedings of the Combustion Institute, 2013, 34, 3499-3507.	3.9	7
31	Comparative Study of the Physicochemical Properties of Ortho-Substituted Aromatic Nitroso Compounds. Journal of Chemical & Engineering Data, 2013, 58, 1005-1010.	1.9	5
32	Rate constants for reactions of ethylbenzene with hydroperoxyl radical. Combustion and Flame, 2013, 160, 9-16.	5.2	30
33	A Melamineâ€Modified Î²â€Zeolite with Enhanced CO_2 Capture Properties. Energy Technology, 2013, 1, 345-349.	3.8	18
34	Trapping of Nitric Oxide, Generated during Sensitization of Ammonium Nitrate Emulsion Explosive, by Aromatic Nitroso Sulfonates. Industrial & Engineering Chemistry Research, 2013, 52, 10561-10568.	3.7	2
35	Non-thermal plasma polymerization of HFC-134A in a dielectric barrier discharge reactor; Polymer characterization and a proposed mechanism for polymer formation. , 2013, , .		0
36	Non-thermal plasma polymerization of HFC-134a in a dielectric barrier discharge reactor; Polymer characterization and understanding the mechanism of polymer formation. , 2013, , .		1

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37	Nonâ€Oxidative Conversion of 1,2â€Dichloroethane in a Nonâ€Thermal Plasma and Characterisation of the Polymer Formed. Plasma Processes and Polymers, 2013, 10, 141-149.	3.0	7
38	Accurate Rate Constants for Decomposition of Aqueous Nitrous Acid. Inorganic Chemistry, 2012, 51, 2178-2185.	4.0	40
39	Mechanistic Study of Trapping of NO by 3,5-Dibromo-4-Nitrosobenzene Sulfonate. Industrial & Engineering Chemistry Research, 2012, 51, 14325-14336.	3.7	3
40	Conversion of Fluorine-Containing Ozone-Depleting and Greenhouse Gases to Valuable Polymers in a Nonthermal Plasma. Industrial & Engineering Chemistry Research, 2012, 51, 11279-11283.	3.7	20
41	Mechanism of Formation of Volatile Organic Compounds from Oxidation of Linseed Oil. Industrial & Engineering Chemistry Research, 2012, 51, 5653-5661.	3.7	22
42	Identification and Quantitation of Volatile Organic Compounds from Oxidation of Linseed Oil. Industrial & Engineering Chemistry Research, 2012, 51, 5645-5652.	3.7	32
43	Oxidation of dibenzo-p-dioxin: Formation of initial products, 2-methylbenzofuran and 3-hydro-2-methylenebenzofuran. Combustion and Flame, 2012, 159, 3056-3065.	5.2	7
44	Low temperature oxidation of linseed oil: a review. Fire Science Reviews, 2012, 1, .	0.9	80
45	Determination of toxic products released in combustion of pesticides. Progress in Energy and Combustion Science, 2012, 38, 400-418.	31.2	24
46	An equilibrium ab initio atomistic thermodynamics study of chlorine adsorption on the Cu(001) surface. Physical Chemistry Chemical Physics, 2011, 13, 10306.	2.8	25
47	Air Pollutants Formed in Thermal Decomposition of Folpet Fungicide under Oxidative Conditions. Environmental Science & Technology, 2011, 45, 554-560.	10.0	11
48	Chlorination of the Cu(110) Surface and Copper Nanoparticles: A Density Functional Theory Study. Journal of Physical Chemistry C, 2011, 115, 13412-13419.	3.1	25
49	Experimental Study of Decomposition of Aqueous Nitrosyl Thiocyanate. Inorganic Chemistry, 2011, 50, 7440-7452.	4.0	10
50	Formation of toxic species and precursors of PCDD/F in thermal decomposition of alpha-cypermethrin. Chemosphere, 2011, 85, 143-150.	8.2	9
51	Oxidation reactions and spontaneous ignition of linseed oil. Proceedings of the Combustion Institute, 2011, 33, 2625-2632.	3.9	18
52	Rate constants for hydrogen abstraction reactions by the hydroperoxyl radical from methanol, ethenol, acetaldehyde, toluene, and phenol. Journal of Computational Chemistry, 2011, 32, 1725-1733.	3.3	43
53	Mechanistic study of the reaction of CHF3 with CH4. Chemical Engineering Journal, 2011, 166, 822-831.	12.7	18
54	Quantum chemical study of copper (II) chloride and the Deacon reaction. Chemical Physics Letters, 2011, 501, 215-220.	2.6	12

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55	Toxic pollutants emitted from thermal decomposition of phthalimide compounds. Journal of Hazardous Materials, 2011, 187, 407-412.	12.4	7
56	Formation of polychlorinated dibenzo-p-dioxins and dibenzofurans (PCDD/F) in oxidation of captan pesticide. Proceedings of the Combustion Institute, 2011, 33, 701-708.	3.9	24
57	Catalytic pyrolysis of CHF3 over activated carbon and activated carbon supported potassium catalyst. Journal of Fluorine Chemistry, 2010, 131, 698-703.	1.7	16
58	Conversion of a CFCs, HFCs and HCFCs waste mixture via reaction with methane. Journal of Hazardous Materials, 2010, 184, 696-703.	12.4	7
59	Experimental and chemical kinetic study of the pyrolysis of trifluoroethane and the reaction of trifluoromethane with methane. Journal of Fluorine Chemistry, 2010, 131, 751-760.	1.7	38
60	Conversion of CHF3 to CH2CF2 via reaction with CH4 in the presence of CBrF3: An experimental and kinetic modelling study. Journal of Hazardous Materials, 2010, 180, 181-187.	12.4	19
61	A DFT study on the self-coupling reactions of the three isomeric semiquinone radicals. Computational and Theoretical Chemistry, 2010, 958, 106-115.	1.5	9
62	Adsorption of 2-chlorophenol on Cu2O(111)â€“CuCUS: A first-principles density functional study. Applied Surface Science, 2010, 256, 4764-4770.	6.1	8
63	Theoretical study of reactions of HO2 in low-temperature oxidation of benzene. Combustion and Flame, 2010, 157, 1325-1330.	5.2	17
64	Theoretical Study of Unimolecular Decomposition of Catechol. Journal of Physical Chemistry A, 2010, 114, 1060-1067.	2.5	44
65	Effect of Methanol on the Gas-Phase Reaction of Trifluoromethane with Methane. Industrial & Engineering Chemistry Research, 2010, 49, 8406-8414.	3.7	11
66	Thermal Decomposition of Captan and Formation Pathways of Toxic Air Pollutants. Environmental Science & Technology, 2010, 44, 4149-4154.	10.0	17
67	Synthesis of Vinylidene Fluoride via Reaction of Chlorodifluoromethane (HCFC-22) with Methane. Industrial & Engineering Chemistry Research, 2010, 49, 6010-6019.	3.7	5
68	Theoretical Study of the Ammoniaâ^'Hypochlorous Acid Reaction Mechanism. Journal of Physical Chemistry A, 2010, 114, 2597-2606.	2.5	39
69	Theoretical Study on the Thermodynamic Properties and Self-Decomposition of Methylbenzenediol Isomers. Journal of Physical Chemistry A, 2010, 114, 11751-11760.	2.5	4
70	Thermochemical Properties and Decomposition Pathways of Three Isomeric Semiquinone Radicals. Journal of Physical Chemistry A, 2010, 114, 1098-1108.	2.5	36
71	Interaction of Chlorine and Oxygen with the Cu(100) Surface. Journal of Physical Chemistry C, 2010, 114, 19048-19054.	3.1	19
72	A first-principles density functional study of chlorophenol adsorption on Cu2O(110):CuO. Journal of Chemical Physics, 2009, 130, 184505.	3.0	30

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73	Mechanisms for formation, chlorination, dechlorination and destruction of polychlorinated dibenzo-p-dioxins and dibenzofurans (PCDD/Fs). Progress in Energy and Combustion Science, 2009, 35, 245-274.	31.2	401
74	Pyrolysis of permethrin and formation of precursors of polychlorinated dibenzo-p-dioxins and dibenzofurans (PCDD/F) under non-oxidative conditions. Chemosphere, 2009, 74, 1435-1443.	8.2	32
75	Adsorption of chlorophenol on the Cu(111) surface: A first-principles density functional theory study. Applied Surface Science, 2008, 254, 4218-4224.	6.1	27
76	2-Chlorophenol adsorption on Cu(100): First-principles density functional study. Surface Science, 2008, 602, 1554-1562.	1.9	14
77	Experimental and Kinetic Studies of Gas-phase Pyrolysis of n-C₄F₁₀. Industrial & Engineering Chemistry Research, 2008, 47, 2579-2584.	3.7	16
78	Conversion of CHF3to CH2î—»CF2via Reaction with CH4and CaBr2. Environmental Science & Technology, 2008, 42, 5795-5799.	10.0	23
79	Computational Study of the Oxidation and Decomposition of Dibenzofuran under Atmospheric Conditions. Journal of Physical Chemistry A, 2008, 112, 6960-6967.	2.5	30
80	Quantum Chemical and Kinetic Study of Formation of 2-Chlorophenoxy Radical from 2-Chlorophenol:â€‰Unimolecular Decomposition and Bimolecular Reactions with H, OH, Cl, and O₂. Journal of Physical Chemistry A, 2008, 112, 3680-3692.	2.5	34
81	Simultaneous conversion of CHClF2 and CH3Br to CH2CF2. Chemosphere, 2007, 68, 2003-2006.	8.2	10
82	Catalytic Effect of CuO and Other Transition Metal Oxides in Formation of Dioxins:Â Theoretical Investigation of Reaction Between 2,4,5-Trichlorophenol and CuO. Environmental Science & Technology, 2007, 41, 5708-5715.	10.0	36
83	Quantum Chemical Investigation of Formation of Polychlorodibenzo-p-Dioxins and Dibenzofurans from Oxidation and Pyrolysis of 2-Chlorophenol. Journal of Physical Chemistry A, 2007, 111, 2563-2573.	2.5	73
84	Theoretical Study of Reaction Pathways of Dibenzofuran and Dibenzo-p-Dioxin under Reducing Conditions. Journal of Physical Chemistry A, 2007, 111, 7133-7140.	2.5	30
85	An Experimental and Kinetic Modeling Study of the Reaction of CHF3 with Methane. Environmental Science & Technology, 2006, 40, 5778-5785.	10.0	27
86	Quantum Chemical Study of Low Temperature Oxidation Mechanism of Dibenzofuran. Journal of Physical Chemistry A, 2006, 110, 13560-13567.	2.5	29
87	Experimental and Quantum Chemical Study of the Reaction CF2+ CH3â†" CF2CH3â†' CH2CF2+ H:Â A Key Mechanism in the Reaction between Methane and Fluorocarbons. Industrial & Engineering Chemistry Research, 2006, 45, 3758-3762.	3.7	15
88	Oxidation of CO by SO2: A Theoretical Study. ChemInform, 2005, 36, no.	0.0	1
89	Oxidation of CO by SO2:â€‰A Theoretical Study. Journal of Physical Chemistry A, 2005, 109, 2019-2025.	2.5	19
90	Quantum Chemical Study of the Mechanism of Reaction between NH (X 3Î£-) and H2, H2O, and CO2 under Combustion Conditions. Journal of Physical Chemistry A, 2005, 109, 11967-11974.	2.5	35

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91	An ab initio Quantum Chemical and Kinetic Study of the NNH + O Reaction Potential Energy Surface: How Important Is this Route to NO in Combustion?. ChemInform, 2003, 34, no.	0.0	0
92	An Ab Initio Quantum Chemical and Kinetic Study of the NNH + O Reaction Potential Energy Surface:â€‰ How Important Is This Route to NO in Combustion?. Journal of Physical Chemistry A, 2003, 107, 6792-6803.	2.5	40
93	Reactions of Phosphorus-Containing Species of Importance in the Catalytic Recombination of H + OH:Â Quantum Chemical and Kinetic Studiesâ€. Journal of Physical Chemistry A, 2002, 106, 10825-10830.	2.5	16
94	The Role of Phosphorus Dioxide in the H + OH Recombination Reaction:â€‰ Ab Initio Quantum Chemical Computation of Thermochemical and Rate Parameters. Journal of Physical Chemistry A, 2002, 106, 1533-1541.	2.5	21
95	The pyrolysis of cyclopentadiene: quantum chemical and kinetic modelling studies of the acetylene plus propyne/allene decomposition channels. Physical Chemistry Chemical Physics, 2001, 3, 2467-2473.	2.8	39
96	A Study of Furan as a Model Oxygenated Reburn Fuel for Nitric Oxide Reduction. Energy & Fuels, 2001, 15, 743-750.	5.1	9
97	A kinetic study of the oxidation of pyridine. Proceedings of the Combustion Institute, 2000, 28, 1709-1716.	3.9	36
98	An experimental and kinetic modeling study of the reduction of no by coal volatiles in a flow reactor. Proceedings of the Combustion Institute, 2000, 28, 2345-2351.	3.9	7
99	Heats of Formation of Hydrofluorocarbons Obtained by Gaussian-3 and Related Quantum Chemical Computations. Journal of Physical Chemistry A, 2000, 104, 7600-7611.	2.5	60
100	Pyrolysis of Furan:Â Ab Initio Quantum Chemical and Kinetic Modeling Studies. Journal of Physical Chemistry A, 2000, 104, 1861-1875.	2.5	102
101	The thermal decomposition of pyrrole: an ab initio quantum chemical study of the potential energy surface associated with the hydrogen cyanide plus propyne channel. Chemical Physics Letters, 1999, 300, 321-330.	2.6	46
102	Shock-Tube Study of the Pyrolysis of the Halon Replacement Molecule CF3CHFCF3. Journal of Physical Chemistry A, 1999, 103, 54-61.	2.5	52
103	Shock Tube Study of the Oxidation of C3F6by N2O. Journal of Physical Chemistry A, 1999, 103, 5967-5977.	2.5	13
104	Ab Initio Quantum Chemical and Experimental (Shock Tube) Studies of the Pyrolysis Kinetics of Acetonitrile. Journal of Physical Chemistry A, 1999, 103, 1054-1072.	2.5	31
105	Observation of Cyclopenta-Fused and Ethynyl-Substituted PAH during the Fuel-Rich Combustion of Primary Tar from a Bituminous Coal. Energy & Fuels, 1999, 13, 1167-1172.	5.1	37
106	Ab Initio Quantum Chemical and Kinetic Modeling Study of the Pyrolysis Kinetics of Pyrrole. Journal of Physical Chemistry A, 1999, 103, 3923-3934.	2.5	69
107	An ab initio quantum chemical study of the electronic structure and stability of the pyrrolyl radical: Comparison with the isoelectronic cyclopentadienyl radical. Chemical Physics Letters, 1998, 290, 391-398.	2.6	42
108	The formation of nitrogen species and oxygenated PAH during the combustion of coal volatiles. Proceedings of the Combustion Institute, 1998, 27, 1687-1693.	0.3	8

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109	Release of HCN, NH3, and HNCO from the Thermal Gas-Phase Cracking of Coal Pyrolysis Tars. Energy & Fuels, 1998, 12, 536-541.	5.1	86
110	Decomposition of the Benzyl Radical:â€‰ Quantum Chemical and Experimental (Shock Tube) Investigations of Reaction Pathways. Journal of Physical Chemistry A, 1997, 101, 7105-7113.	2.5	59
111	The Pyrolysis of 3â€Picoline: Ab Initio Quantum Chemical and Experimental (Shock Tube) Kinetic Studies. Israel Journal of Chemistry, 1996, 36, 239-248.	2.3	6
112	A kinetic study of the oxidation of acetonitrile: A model for NO formation from fuel-bound nitrogen. Proceedings of the Combustion Institute, 1996, 26, 597-604.	0.3	7
113	Thermal decomposition of two coal model compounds â€" pyridine and 2-picoline. Kinetics and product distributions. Journal of Analytical and Applied Pyrolysis, 1995, 34, 47-63.	5.5	45
114	Ab initio studies of the thermal decomposition of azaaromatics: free radical versus intramolecular mechanism. Journal of the Chemical Society, Faraday Transactions, 1995, 91, 1587.	1.7	22
115	Experimental and ab Initio Theoretical Study of the Kinetics of Rearrangement of Ketene Imine to Acetonitrile. The Journal of Physical Chemistry, 1994, 98, 13546-13555.	2.9	33
116	Experimental and theoretical study of the isomerisation of N-methylpyrrole. Chemical Physics Letters, 1994, 221, 267-273.	2.6	9
117	Kinetics of the thermal decomposition and isomerisation of pyrazine (1,4 diazine). Proceedings of the Combustion Institute, 1994, 25, 893-900.	0.3	6
118	Kinetics of thermal decomposition of the diazines: shock-tube pyrolysis of pyrimidine. Journal of the Chemical Society, Faraday Transactions, 1994, 90, 541.	1.7	25
119	Modelling studies of gas-phase processes in OXCO reactors. Studies in Surface Science and Catalysis, 1994, , 137-142.	1.5	0
120	Kinetics of pyrolysis of the isomeric butenenitriles and kinetic modeling. The Journal of Physical Chemistry, 1992, 96, 272-281.	2.9	24
121	Kinetics of pyrolysis of a coal model compound, 2-picoline, the nitrogen heteroaromatic analogue of toluene. 2. The 2-picolyl radical and kinetic modeling. The Journal of Physical Chemistry, 1992, 96, 10339-10348.	2.9	25
122	Kinetics of pyrolysis of a coal model compound, 2-picoline, the nitrogen heteroaromatic analog of toluene. 1. Product distributions. The Journal of Physical Chemistry, 1992, 96, 10334-10339.	2.9	39
123	Kinetics of pyrolysis of furan. Journal of the Chemical Society, Faraday Transactions, 1991, 87, 815.	1.7	63
124	Partial Oxidation of Methane: The Role of the Gas Phase Reactions. Catalysis Reviews - Science and Engineering, 1991, 33, 169-240.	12.9	108
125	Shock tube pyrolysis of pyrrole and kinetic modeling. International Journal of Chemical Kinetics, 1991, 23, 733-760.	1.6	115
126	Partial oxidation of methane by nitrous oxide. Energy & Fuels, 1990, 4, 285-290.	5.1	6

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127	Shock tube pyrolysis of pyridine. The Journal of Physical Chemistry, 1990, 94, 4099-4106.	2.9	151
128	Inhibition of C2 oxidation by methane under oxidative coupling conditions. Energy & Fuels, 1990, 4, 277-285.	5.1	24
129	Pyrolysis of coal at high temperatures. Energy & Fuels, 1988, 2, 391-400.	5.1	56
130	Products from the rapid pyrolysis of a brown coal in inert and reducing atmospheres. Fuel, 1985, 64, 400-405.	6.4	15
131	Products from rapid heating of a brown coal in the temperature range 400â€“2300 Â°C. Fuel, 1984, 63, 394-400.	6.4	51
132	Homogeneous nucleation of cyclohexane: A double-diaphragm shock tube study. Journal of Colloid and Interface Science, 1981, 83, 547-557.	9.4	2
133	Double-diaphragm shock tube - Comparison between theory and experiment. AIAA Journal, 1981, 19, 405-406.	2.6	2
134	The isomerization of cycloheptatriene at high temperatures. International Journal of Chemical Kinetics, 1976, 8, 695-707.	1.6	15
135	Search for a Chargeâ€Transfer State in Crystalline Anthracene. Journal of Chemical Physics, 1965, 42, 1535-1540.	3.0	61