Philippe Dagaut

List of Publications by Year
in descending order

274 papers	13,961 citations	15504 65 h-index	33894 99 g-index
286 all docs	286 docs citations	286 times ranked	4553 citing authors

#	Article	IF	Citations
1	On the Oxidation of Ammonia and Mutual Sensitization of the Oxidation of No and Ammonia: Experimental and Kinetic Modeling. Combustion Science and Technology, 2022, 194, 117-129.	2.3	28
2	Experimental and kinetic modeling study of n-pentane oxidation at 10 atm, Detection of complex low-temperature products by Q-Exactive Orbitrap. Combustion and Flame, 2022, 235, 111723.	5.2	9
3	A comprehensive experimental and modeling study of n-propylcyclohexane oxidation. Combustion and Flame, 2022, 238, 111944.	5.2	10
4	Gasoline Surrogate Oxidation in a Motored Engine, a JSR, and an RCM: Characterization of Cool-Flame Products by High-Resolution Mass Spectrometry. Energy & Fuels, 2022, 36, 3893-3908.	5.1	5
5	Revisiting low temperature oxidation chemistry of n-heptane. Combustion and Flame, 2022, 242, 112177.	5.2	15
6	A pyrolysis study on C4â€“C8 symmetric ethers. Proceedings of the Combustion Institute, 2021, 38, 329-336.	3.9	10
7	Oxidation of di-n-propyl ether: Characterization of low-temperature products. Proceedings of the Combustion Institute, 2021, 38, 337-344.	3.9	22
8	Oxidation of pentan-2-ol â€“ part II: Experimental and modeling study. Proceedings of the Combustion Institute, 2021, 38, 833-841.	3.9	4
9	On the implications of nitromethane â€“ NO chemistry interactions for combustion processes. Fuel, 2021, 289, 119861.	6.4	21
10	Oxidation of pentan-2-ol â€“ Part I: Theoretical investigation on the decomposition and isomerization reactions of pentan-2-ol radicals. Proceedings of the Combustion Institute, 2021, 38, 823-832.	3.9	7
11	Experimental and numerical studies of the diluent influence (N2, Ar, He, Xe) on stable premixed methane flames in micro-combustion. Proceedings of the Combustion Institute, 2021, 38, 6753-6761.	3.9	11
12	Experimental characterization of n-heptane low-temperature oxidation products including keto-hydroperoxides and highly oxygenated organic molecules (HOMs). Combustion and Flame, 2021, 224, 83-93.	5.2	22
13	An experimental and kinetic modeling study on the oxidation of 1,3-dioxolane. Proceedings of the Combustion Institute, 2021, 38, 543-553.	3.9	28
14	On the similarities and differences between the products of oxidation of hydrocarbons under simulated atmospheric conditions and cool flames. Atmospheric Chemistry and Physics, 2021, 21, 7845-7862.	4.9	10
15	Polar Aromatic Compounds in Soot from Premixed Flames of Kerosene, Synthetic Paraffinic Kerosene, and Keroseneâ€“Synthetic Biofuels. Energy & Fuels, 2021, 35, 11427-11444.	5.1	2
16	Oxidation of C₅ esters: Influence of the position of the ester function. International Journal of Chemical Kinetics, 2021, 53, 1124-1132.	1.6	4
17	Exploring pyrolysis and oxidation chemistry of o-xylene at various pressures with special concerns on PAH formation. Combustion and Flame, 2021, 228, 351-363.	5.2	21
18	Low-temperature oxidation of a gasoline surrogate: Experimental investigation in JSR and RCM using high-resolution mass spectrometry. Combustion and Flame, 2021, 228, 128-141.	5.2	7

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19	Oxidation of diethyl ether: Extensive characterization of products formed at low temperature using high resolution mass spectrometry. Combustion and Flame, 2021, 228, 340-350.	5.2	12
20	Experimental and kinetic modeling study of n-hexane oxidation. Detection of complex low-temperature products using high-resolution mass spectrometry. Combustion and Flame, 2021, 233, 111581.	5.2	12
21	Experimental Characterization of Tetrahydrofuran Low-Temperature Oxidation Products Including Ketohydroperoxides and Highly Oxygenated Molecules. Energy & Fuels, 2021, 35, 7242-7252.	5.1	13
22	Towards a Comprehensive Characterization of the Low-Temperature Autoxidation of Di-n-Butyl Ether. Molecules, 2021, 26, 7174.	3.8	6
23	A high pressure oxidation study of di-n-propyl ether. Fuel, 2020, 263, 116554.	6.4	14
24	Cool flame chemistry of diesel surrogate compounds: n-Decane, 2-methylnonane, 2,7-dimethyloctane, and n-butylcyclohexane. Combustion and Flame, 2020, 219, 384-392.	5.2	15
25	Oxidation of di-n-butyl ether: Experimental characterization of low-temperature products in JSR and RCM. Combustion and Flame, 2020, 222, 133-144.	5.2	25
26	Experimental and kinetic modeling study of the oxidation of cyclopentane and methylcyclopentane at atmospheric pressure. International Journal of Chemical Kinetics, 2020, 52, 943-956.	1.6	6
27	Methyl-3-hexenoate combustion chemistry: Experimental study and numerical kinetic simulation. Combustion and Flame, 2020, 222, 170-180.	5.2	11
28	Kinetics of propyl acetate oxidation: Experiments in a jet-stirred reactor, ab initio calculations, and rate constant determination. Proceedings of the Combustion Institute, 2019, 37, 429-436.	3.9	15
29	An experimental and modeling study of the oxidation of 3-pentanol at high pressure. Proceedings of the Combustion Institute, 2019, 37, 477-484.	3.9	8
30	New insights into propanal oxidation at low temperatures: An experimental and kinetic modeling study. Proceedings of the Combustion Institute, 2019, 37, 565-573.	3.9	21
31	Insights into the oxidation kinetics of a cetane improver â€“ 1,2-dimethoxyethane (1,2-DME) with experimental and modeling methods. Proceedings of the Combustion Institute, 2019, 37, 555-564.	3.9	12
32	Kinetics of oxidation of levulinic biofuels in a jet-stirred reactor: Methyl levulinate. Proceedings of the Combustion Institute, 2019, 37, 381-388.	3.9	5
33	The atmospheric impact of the reaction of N2O with NO3: A theoretical study. Chemical Physics Letters, 2019, 731, 136605.	2.6	4
34	Experiments for kinetic mechanism assessment. Computer Aided Chemical Engineering, 2019, 45, 445-471.	0.5	4
35	Ozone-assisted combustion of hydrogen: AÂcomparison with isooctane. International Journal of Hydrogen Energy, 2019, 44, 13953-13963.	7.1	12
36	Low-temperature chemistry triggered by probe cooling in a low-pressure premixed flame. Combustion and Flame, 2019, 204, 260-267.	5.2	18

#	ARTICLE	IF	CITATIONS
37	Emission of Carbonyl and Polyaromatic Hydrocarbon Pollutants From the Combustion of Liquid Fuels: Impact of Biofuel Blending. Journal of Engineering for Gas Turbines and Power, 2019, 141, .	1.1	4
38	Pyrolysis of butane-2,3â€‘dione from low to high pressures: Implications for methyl-related growth chemistry. Combustion and Flame, 2019, 200, 69-81.	5.2	13
39	Exploring gasoline oxidation chemistry in jet stirred reactors. Fuel, 2019, 236, 1282-1292.	6.4	38
40	More insight into cyclohexanone oxidation: Jet-stirred reactor experiments and kinetic modeling. Fuel, 2018, 220, 908-915.	6.4	4
41	An experimental chemical kinetic study of the oxidation of diethyl ether in a jet-stirred reactor and comprehensive modeling. Combustion and Flame, 2018, 193, 453-462.	5.2	43
42	Exploring the negative temperature coefficient behavior of acetaldehyde based on detailed intermediate measurements in a jet-stirred reactor. Combustion and Flame, 2018, 192, 120-129.	5.2	31
43	Pulsating combustion of ethylene in micro-channels with controlled temperature gradient. Combustion Science and Technology, 2018, , 1-11.	2.3	2
44	n-Heptane cool flame chemistry: Unraveling intermediate species measured in a stirred reactor and motored engine. Combustion and Flame, 2018, 187, 199-216.	5.2	68
45	Experimental and modeling studies of a biofuel surrogate compound: laminar burning velocities and jet-stirred reactor measurements of anisole. Combustion and Flame, 2018, 189, 325-336.	5.2	49
46	Emission of Carbonyl and Polyaromatic Hydrocarbon Pollutants From the Combustion of Liquid Fuels: Impact of Biofuel Blending. , 2018, , .		0
47	Exploration of the oxidation chemistry of dimethoxymethane: Jet-stirred reactor experiments and kinetic modeling. Combustion and Flame, 2018, 193, 491-501.	5.2	50
48	Combustion of synthetic jet fuels: Naphthenic cut and blend with a gas-to-liquid (GtL) jet fuel. Proceedings of the Combustion Institute, 2017, 36, 433-440.	3.9	11
49	An experimental and modelling study of n-pentane oxidation in two jet-stirred reactors: The importance of pressure-dependent kinetics and new reaction pathways. Proceedings of the Combustion Institute, 2017, 36, 441-448.	3.9	92
50	Experimental and Modeling Study of the Oxidation of Two Branched Aldehydes in a Jet-Stirred Reactor: 2-Methylbutanal and 3-Methylbutanal. Energy & Fuels, 2017, 31, 3206-3218.	5.1	4
51	A Chemical Kinetic Investigation on Butyl Formate Oxidation: <i>Ab Initio</i> Calculations and Experiments in a Jet-Stirred Reactor. Energy & Fuels, 2017, 31, 6194-6205.	5.1	7
52	Screening Method for Fuels in Homogeneous Charge Compression Ignition Engines: Application to Valeric Biofuels. Energy & Fuels, 2017, 31, 607-614.	5.1	22
53	Quantities of Interest in Jet Stirred Reactor Oxidation of a High-Octane Gasoline. Energy & Fuels, 2017, 31, 5543-5553.	5.1	20
54	A comprehensive experimental and kinetic modeling study of n-propylbenzene combustion. Combustion and Flame, 2017, 186, 178-192.	5.2	40

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55	A chemical kinetic study of the oxidation of dibutyl-ether in a jet-stirred reactor. Combustion and Flame, 2017, 185, 4-15.	5.2	58
56	Unraveling the structure and chemical mechanisms of highly oxygenated intermediates in oxidation of organic compounds. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 13102-13107.	7.1	117
57	Burning velocities and jet-stirred reactor oxidation of diethyl carbonate. Proceedings of the Combustion Institute, 2017, 36, 553-560.	3.9	20
58	Experimental and Detailed Kinetic Modeling Study of Cyclopentanone Oxidation in a Jet-Stirred Reactor at 1 and 10 atm. Energy & Fuels, 2017, 31, 2144-2155.	5.1	22
59	New insights into the low-temperature oxidation of 2-methylhexane. Proceedings of the Combustion Institute, 2017, 36, 373-382.	3.9	36
60	An experimental study in a jet-stirred reactor and a comprehensive kinetic mechanism for the oxidation of methyl ethyl ketone. Proceedings of the Combustion Institute, 2017, 36, 459-467.	3.9	40
61	Jet-stirred reactor oxidation of alkane-rich FACE gasoline fuels. Proceedings of the Combustion Institute, 2017, 36, 517-524.	3.9	27
62	Elucidating reactivity regimes in cyclopentane oxidation: Jet stirred reactor experiments, computational chemistry, and kinetic modeling. Proceedings of the Combustion Institute, 2017, 36, 469-477.	3.9	34
63	Experimental and Modeling Study of the Combustion of Synthetic Jet Fuels: Naphtenic Cut and Blend With a GtL Jet Fuel. , 2016, , .		0
64	Experimental and Kinetic Modeling of the Oxidation of Synthetic Jet Fuels and Surrogates. Combustion Science and Technology, 2016, 188, 1705-1718.	2.3	10
65	Quantification of the Keto-Hydroperoxide (HOOCH₂OCHO) and Other Elusive Intermediates during Low-Temperature Oxidation of Dimethyl Ether. Journal of Physical Chemistry A, 2016, 120, 7890-7901.	2.5	104
66	Combustion in micro-channels with a controlled temperature gradient. Experimental Thermal and Fluid Science, 2016, 73, 79-86.	2.7	59
67	A comprehensive experimental and kinetic modeling study of ethylbenzene combustion. Combustion and Flame, 2016, 166, 255-265.	5.2	65
68	A detailed chemical kinetic modeling, ignition delay time and jet-stirred reactor study of methanol oxidation. Combustion and Flame, 2016, 165, 125-136.	5.2	232
69	Additional chain-branching pathways in the low-temperature oxidation of branched alkanes. Combustion and Flame, 2016, 164, 386-396.	5.2	94
70	Oscillating flames in micro-combustion. Combustion and Flame, 2016, 167, 392-394.	5.2	42
71	Identification and Quantification of Aromatic Hydrocarbons Adsorbed on Soot from Premixed Flames of Kerosene, Synthetic Kerosene, and Keroseneâ€“Synthetic Biofuels. Energy & Fuels, 2015, 29, 6556-6564.	5.1	9
72	The Combustion of Synthetic Jet Fuels (Gas to Liquid and Coal to Liquid) and Multi-Component Surrogates: Experimental and Modeling Study. , 2015, , .		4

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73	Laminar burning velocities of premixed nitromethane/air flames: An experimental and kinetic modeling study. Proceedings of the Combustion Institute, 2015, 35, 703-710.	3.9	39
74	Investigation of iso-octane combustion in a homogeneous charge compression ignition engine seeded by ozone, nitric oxide and nitrogen dioxide. Proceedings of the Combustion Institute, 2015, 35, 3125-3132.	3.9	76
75	Kinetics of oxidation of cyclohexanone in a jet-stirred reactor: Experimental and modeling. Proceedings of the Combustion Institute, 2015, 35, 507-514.	3.9	23
76	Detection and Identification of the Keto-Hydroperoxide (HOOCH₂OCHO) and Other Intermediates during Low-Temperature Oxidation of Dimethyl Ether. Journal of Physical Chemistry A, 2015, 119, 7361-7374.	2.5	143
77	Investigation of the Photochemical Reactivity of Soot Particles Derived from Biofuels Toward NO₂. A Kinetic and Product Study. Journal of Physical Chemistry A, 2015, 119, 2006-2015.	2.5	7
78	Experimental and Modeling Study of the Oxidation of 1-Butene and <i>cis</i>-2-Butene in a Jet-Stirred Reactor and a Combustion Vessel. Energy & Fuels, 2015, 29, 1107-1118.	5.1	37
79	Kinetics of Oxidation of a 100% Gas-to-Liquid Synthetic Jet Fuel and a Mixture GtL/1-Hexanol in a Jet-Stirred Reactor: Experimental and Modeling Study. Journal of Engineering for Gas Turbines and Power, 2015, 137, .	1.1	8
80	Quantification of HO2 and other products of dimethyl ether oxidation (H2O2, H2O, and CH2O) in a jet-stirred reactor at elevated temperatures by low-pressure sampling and continuous-wave cavity ring-down spectroscopy. Fuel, 2015, 158, 248-252.	6.4	23
81	Computational Kinetic Study for the Unimolecular Decomposition of Cyclopentanone. International Journal of Chemical Kinetics, 2015, 47, 439-446.	1.6	16
82	An experimental and modeling study of diethyl carbonate oxidation. Combustion and Flame, 2015, 162, 1395-1405.	5.2	34
83	Experimental and kinetic modeling study of styrene combustion. Combustion and Flame, 2015, 162, 1868-1883.	5.2	47
84	Ozone applied to the homogeneous charge compression ignition engine to control alcohol fuels combustion. Applied Energy, 2015, 160, 566-580.	10.1	60
85	Theoretical kinetic study for methyl levulinate: oxidation by OH and CH₃ radicals and further unimolecular decomposition pathways. Physical Chemistry Chemical Physics, 2015, 17, 23384-23391.	2.8	19
86	An experimental and kinetic modeling study of n -hexane oxidation. Combustion and Flame, 2015, 162, 4194-4207.	5.2	124
87	Investigation on the pyrolysis and oxidation of toluene over a wide range conditions. I. Flow reactor pyrolysis and jet stirred reactor oxidation. Combustion and Flame, 2015, 162, 3-21.	5.2	177
88	Investigation on the pyrolysis and oxidation of toluene over a wide range conditions. II. A comprehensive kinetic modeling study. Combustion and Flame, 2015, 162, 22-40.	5.2	108
89	Computational Kinetic Study for the Unimolecular Decomposition Pathways of Cyclohexanone. Journal of Physical Chemistry A, 2015, 119, 7138-7144.	2.5	17
90	Experimental and kinetic modeling study of trans-2-butene oxidation in a jet-stirred reactor and a combustion bomb. Proceedings of the Combustion Institute, 2015, 35, 317-324.	3.9	29

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91	An experimental and modeling study of n -octanol combustion. Proceedings of the Combustion Institute, 2015, 35, 419-427.	3.9	94
92	Combustion and Emissions Characteristics of Valeric Biofuels in a Compression Ignition Engine. Journal of Energy Engineering - ASCE, 2014, 140, .	1.9	27
93	Combustion of a Gas-to-Liquidâ€"Based Alternative Jet Fuel: Experimental and Detailed Kinetic Modeling. Combustion Science and Technology, 2014, 186, 1275-1283.	2.3	8
94	Quantitative Measurements of HO₂ and Other Products of <i>n</i>-Butane Oxidation (H₂O₂, H₂O, CH₂O, and) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 627 Td (C<sub>2</ with Sampling Nozzle and Cavity Ring-Down Spectroscopy (cw-CRDS). Journal of the American Chemical Society, 2014, 136, 16689-16694.	13.7	27
95	New insights into the peculiar behavior of laminar burning velocities of hydrogenâ€"air flames according to pressure and equivalence ratio. Combustion and Flame, 2014, 161, 2235-2241.	5.2	48
96	Chemical kinetics modeling of n-nonane oxidation in oxygen/argon using excited-state species time histories. Combustion and Flame, 2014, 161, 1146-1163.	5.2	7
97	Experimental and detailed kinetic model for the oxidation of a Gas to Liquid (GtL) jet fuel. Combustion and Flame, 2014, 161, 835-847.	5.2	111
98	An experimental and modeling study of 2-methyl-1-butanol oxidation in a jet-stirred reactor. Combustion and Flame, 2014, 161, 3003-3013.	5.2	29
99	Experimental Study of the Oxidation of<i>N</i>-Tetradecane in a Jet-Stirred Reactor (JSR) and Detailed Chemical Kinetic Modeling. Combustion Science and Technology, 2014, 186, 594-606.	2.3	9
100	An alternative to trial and error methodology in solid phase extraction: an original automated solid phase extraction procedure for analysing PAHs and PAH-derivatives in soot. RSC Advances, 2014, 4, 33636-33644.	3.6	13
101	Photodegradation of Pyrene on Al₂O₃ Surfaces: A Detailed Kinetic and Product Study. Journal of Physical Chemistry A, 2014, 118, 7007-7016.	2.5	16
102	CFD simulations using the TDAC method to model iso-octane combustion for a large range of ozone seeding and temperature conditions in a single cylinder HCCI engine. Fuel, 2014, 137, 179-184.	6.4	46
103	A comprehensive combustion chemistry study of 2,5-dimethylhexane. Combustion and Flame, 2014, 161, 1444-1459.	5.2	88
104	Experimental and kinetic modeling study of trans-methyl-3-hexenoate oxidation in JSR and the role of CC double bond. Combustion and Flame, 2014, 161, 818-825.	5.2	38
105	Homogeneous Charge Compression Ignition Combustion of Primary Reference Fuels Influenced by Ozone Addition. Energy & Fuels, 2013, 27, 5495-5505.	5.1	60
106	Mineral Oxides Change the Atmospheric Reactivity of Soot: NO₂ Uptake under Dark and UV Irradiation Conditions. Journal of Physical Chemistry A, 2013, 117, 12897-12911.	2.5	14
107	Experimental Study of Tetralin Oxidation and Kinetic Modeling of Its Pyrolysis and Oxidation. Energy & Fuels, 2013, 27, 1576-1585.	5.1	24
108	A comprehensive experimental and modeling study of iso-pentanol combustion. Combustion and Flame, 2013, 160, 2712-2728.	5.2	95

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109	Influence of ozone on the combustion of n-heptane in a HCCI engine. Proceedings of the Combustion Institute, 2013, 34, 3005-3012.	3.9	98
110	Jet-stirred reactor and flame studies of propanal oxidation. Proceedings of the Combustion Institute, 2013, 34, 599-606.	3.9	41
111	Experimental and modeling study of the oxidation of n- and iso-butanal. Combustion and Flame, 2013, 160, 1609-1626.	5.2	40
112	A comprehensive experimental and detailed chemical kinetic modelling study of 2,5-dimethylfuran pyrolysis and oxidation. Combustion and Flame, 2013, 160, 2291-2318.	5.2	143
113	Experimental and semi-detailed kinetic modeling study of decalin oxidation and pyrolysis over a wide range of conditions. Proceedings of the Combustion Institute, 2013, 34, 289-296.	3.9	50
114	Experimental and numerical analysis of nitric oxide effect on the ignition of iso-octane in a single cylinder HCCI engine. Combustion and Flame, 2013, 160, 1476-1483.	5.2	86
115	Kinetics of Oxidation of a Reformulated Jet Fuel (1-Hexanol/Jet A-1) in a Jet-Stirred Reactor: Experimental and Modeling Study. Combustion Science and Technology, 2012, 184, 1039-1050.	2.3	11
116	Oxidation Kinetics of Mixtures of Iso-Octane with Ethanol or Butanol in a Jet-Stirred Reactor: Experimental and Modeling Study. Combustion Science and Technology, 2012, 184, 1025-1038.	2.3	16
117	Experimental and Kinetic Modeling Study of 3-Methylheptane in a Jet-Stirred Reactor. Energy & Fuels, 2012, 26, 4680-4689.	5.1	28
118	Experimental and Modeling Study of the Oxidation Kinetics of <i>n</i>-Undecane and <i>n</i>-Dodecane in a Jet-Stirred Reactor. Energy & Fuels, 2012, 26, 4253-4268.	5.1	70
119	Experimental and Detailed Kinetic Modeling Study of Ethyl Pentanoate (Ethyl Valerate) Oxidation in a Jet Stirred Reactor and Laminar Burning Velocities in a Spherical Combustion Chamber. Energy & Fuels, 2012, 26, 4735-4748.	5.1	55
120	Laminar Burning Velocities of C₄â€“C₇ Ethyl Esters in a Spherical Combustion Chamber: Experimental and Detailed Kinetic Modeling. Energy & Fuels, 2012, 26, 6669-6677.	5.1	43
121	Oxidation of a Coal-to-Liquid Synthetic Jet Fuel: Experimental and Chemical Kinetic Modeling Study. Energy & Fuels, 2012, 26, 6070-6079.	5.1	50
122	Autoignition of surrogate biodiesel fuel (B30) at high pressures: Experimental and modeling kinetic study. Combustion and Flame, 2012, 159, 996-1008.	5.2	28
123	Experimental and Detailed Kinetic Modeling Study of Isoamyl Alcohol (Isopentanol) Oxidation in a Jet-Stirred Reactor at Elevated Pressure. Energy & Fuels, 2011, 25, 4986-4998.	5.1	76
124	2-Propanol Oxidation in a Pressurized Jet-Stirred Reactor (JSR) and Combustion Bomb: Experimental and Detailed Kinetic Modeling Study. Energy & Fuels, 2011, 25, 676-683.	5.1	35
125	Experimental and Detailed Kinetic Modeling Study of the Oxidation of 1-Propanol in a Pressurized Jet-Stirred Reactor (JSR) and a Combustion Bomb. Energy & Fuels, 2011, 25, 2013-2021.	5.1	35
126	Effects of Dilution on Laminar Burning Velocity of Premixed Methane/Air Flames. Energy & Fuels, 2011, 25, 948-954.	5.1	151

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127	Experimental and Detailed Kinetic Modeling Study of the Effect of Ozone on the Combustion of Methane. Energy & Fuels, 2011, 25, 2909-2916.	5.1	96
128	Experimental and detailed kinetic modeling study of 1-pentanol oxidation in a JSR and combustion in a bomb. Proceedings of the Combustion Institute, 2011, 33, 367-374.	3.9	103
129	Experimental and kinetic modeling of methyl octanoate oxidation in an opposed-flow diffusion flame and a jet-stirred reactor. Proceedings of the Combustion Institute, 2011, 33, 1037-1043.	3.9	55
130	Oxidation of commercial and surrogate bio-Diesel fuels (B30) in a jet-stirred reactor at elevated pressure: Experimental and modeling kinetic study. Proceedings of the Combustion Institute, 2011, 33, 375-382.	3.9	42
131	Auto-ignition and combustion characteristics in HCCI and JSR using 1-butanol/n-heptane and ethanol/n-heptane blends. Proceedings of the Combustion Institute, 2011, 33, 3007-3014.	3.9	106
132	Numerical and experimental study of ethanol combustion and oxidation in laminar premixed flames and in jet-stirred reactor. Combustion and Flame, 2011, 158, 705-725.	5.2	158
133	The oxidation of n-butylbenzene: Experimental study in a JSR at 10atm and detailed chemical kinetic modeling. Proceedings of the Combustion Institute, 2011, 33, 209-216.	3.9	39
134	Oxidation kinetics of n-nonane: Measurements and modeling of ignition delay times and product concentrations. Proceedings of the Combustion Institute, 2011, 33, 175-183.	3.9	20
135	Impact of Ethylene and NO Addition on Fuel Oxidation Under Simulated HCCI Conditions. Combustion Science and Technology, 2010, 182, 422-435.	2.3	0
136	Experimental and modeling study of the kinetics of oxidation of ethanol-n-heptane mixtures in a jet-stirred reactor. Fuel, 2010, 89, 280-286.	6.4	67
137	Oxidation of Ethylene and Propene in the Presence of CO₂and H₂O: Experimental and Detailed Kinetic Modeling Study. Combustion Science and Technology, 2010, 182, 333-349.	2.3	40
138	Kinetics of Oxidation of a Synthetic Jet Fuel in a Jet-Stirred Reactor: Experimental and Modeling Study. Energy & Fuels, 2010, 24, 4904-4911.	5.1	37
139	Kinetics of Oxidation of Commercial and Surrogate Diesel Fuels in a Jet-Stirred Reactor: Experimental and Modeling Studies. Energy & Fuels, 2010, 24, 1668-1676.	5.1	58
140	Experimental and Detailed Kinetic Modeling Study of 1-Hexanol Oxidation in a Pressurized Jet-Stirred Reactor and a Combustion Bomb. Energy & Fuels, 2010, 24, 5859-5875.	5.1	52
141	Thermodynamic Data for the Modeling of the Thermal Decomposition of Biodiesel. 1. Saturated and Monounsaturated FAMEs. Journal of Physical Chemistry A, 2010, 114, 3788-3795.	2.5	24
142	Kinetics of Oxidation of 2-Butanol and Isobutanol in a Jet-Stirred Reactor: Experimental Study and Modeling Investigation. Energy & Fuels, 2010, 24, 5244-5256.	5.1	54
143	Determination of Polycyclic Aromatic Hydrocarbons in kerosene and bio-kerosene soot. Chemosphere, 2010, 78, 1342-1349.	8.2	17
144	Improved optimization of polycyclic aromatic hydrocarbons (PAHs) mixtures resolution in reversed-phase high-performance liquid chromatography by using factorial design and response surface methodology. Talanta, 2010, 81, 265-274.	5.5	18

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145	Experimental and Modeling Study of the Kinetics of Oxidation of Simple Biodieselâˆ’Biobutanol Surrogates: Methyl Octanoateâˆ’Butanol Mixtures. Energy & Fuels, 2010, 24, 3906-3916.	5.1	39
146	Chemical Kinetic Study of the Oxidation of a Biodieselâˆ’Bioethanol Surrogate Fuel: Methyl Octanoateâˆ’Ethanol Mixtures. Journal of Physical Chemistry A, 2010, 114, 3896-3908.	2.5	26
147	Advances in PAHs/nitro-PAHs fractioning. Analytical Methods, 2010, 2, 2017.	2.7	9
148	Oxidation of H2/CO2 mixtures and effect of hydrogen initial concentration on the combustion of CH4 and CH4/CO2 mixtures: Experiments and modeling. Proceedings of the Combustion Institute, 2009, 32, 427-435.	3.9	60
149	Influence of EGR compounds on the oxidation of an HCCI-diesel surrogate. Proceedings of the Combustion Institute, 2009, 32, 2851-2859.	3.9	31
150	Impact of acetaldehyde and NO addition on the 1-octene oxidation under simulated HCCI conditions. Proceedings of the Combustion Institute, 2009, 32, 2861-2868.	3.9	14
151	An experimental and kinetic modeling study of n-butanol combustion. Combustion and Flame, 2009, 156, 852-864.	5.2	279
152	A chemical kinetic study of n-butanol oxidation at elevated pressure in a jet stirred reactor. Proceedings of the Combustion Institute, 2009, 32, 229-237.	3.9	201
153	A jet-stirred reactor and kinetic modeling study of ethyl propanoate oxidation. Combustion and Flame, 2009, 156, 250-260.	5.2	64
154	Experimental and Modeling Study of the Kinetics of Oxidation of Methanolâˆ’Gasoline Surrogate Mixtures (M85 Surrogate) in a Jet-Stirred Reactor. Energy & Fuels, 2009, 23, 1936-1941.	5.1	14
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