Philippe Dagaut

List of Articles by Year
in descending order

237 PR articles	11,043 PR citations	16042 60 PR h-index	27366 102 g-index
257 documents	12194 doc citations	17590 63 h-index	5417 citing authors

#	Article	IF	Citations
1	Cool flame of methylcyclohexene isomers in a JSR: Formation of aromatic and polyunsaturated hydrocarbons. Fuel, 2025, 381, 133644.	7.4	2
2	Ring-Opening Competes with Peroxidation in Fenchone Low-Temperature Autoignition. Journal of Physical Chemistry A, 2025, 129, 3113-3131.	2.5	1
3	Constraining the Low-Temperature Oxidation Mechanism of n-Hexanol through the Detection and Identification of C₆ Elusive Intermediates. Energy & Fuels, 2025, 39, 12184-12196.	5.2	0
4	Organics in the stratosphere: new insights from weather balloon flights conducted in France. Npj Climate and Atmospheric Science, 2025, 8, .	6.6	1
5	On the autoxidation of terpenes: Detection of oxygenated and aromatic products. Fuel, 2024, 358, 130306.	7.4	5
6	Exploration on the combustion chemistry of p-xylene: A comprehensive study over wide conditions and comparison among C8H10 isomers. Combustion and Flame, 2024, 262, 113377.	6.0	10
7	Emissions and Atmospheric Chemistry of Furanoids from Biomass Burning: Insights from Laboratory to Atmospheric Observations. ACS Earth and Space Chemistry, 2024, 8, 857-899.	3.2	16
8	A detailed high-pressure oxidation study of n-pentanal. Proceedings of the Combustion Institute, 2024, 40, 105254.	4.4	2
9	Tracking the reaction networks of acetaldehyde oxide and glyoxal oxide Criegee intermediates in the ozone-assisted oxidation reaction of crotonaldehyde. Physical Chemistry Chemical Physics, 2024, 26, 22319-22336.	2.7	3
10	A chemical kinetic study of tetrahydropyran high-pressure oxidation in a jet-stirred reactor. Combustion and Flame, 2024, 268, 113642.	6.0	4
11	Oxidation of butane-2,3-dione at high pressure: Implications for ketene chemistry. Combustion and Flame, 2024, 270, 113753.	6.0	1
12	Cool Flame of Methylcyclohexene Isomers in a Jet-Stirred Reactor: Orbitrap Characterization of Highly Oxidized Products. Energy & Fuels, 2024, 38, 20777-20790.	5.2	0
13	Pulsating combustion of ethylene in micro-channels with controlled temperature gradient. Combustion Science and Technology, 2023, 195, 1-11.	2.0	2
14	A detailed high-pressure oxidation study of di-isopropyl ether. Proceedings of the Combustion Institute, 2023, , .	4.4	0
15	A comprehensive experimental and kinetic modeling study of di-isobutylene isomers: Part 1. Combustion and Flame, 2023, 251, 112301.	6.0	4
16	Exploring low-temperature oxidation chemistry of 2- and 3-pentanone. Combustion and Flame, 2023, 257, 112561.	6.0	12
17	A comprehensive experimental and kinetic modeling study of di-isobutylene isomers: Part 2. Combustion and Flame, 2023, 251, 112547.	6.0	5
18	The first balloon-borne sample analysis of atmospheric carbonaceous components reveals new insights into formation processes. Chemosphere, 2023, 326, 138421.	8.2	4

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19	Elucidating the photodissociation fingerprint and quantifying the determination of organic hydroperoxides in gas-phase autoxidation. Proceedings of the National Academy of Sciences of the United States of America, 2023, 120, .	7.5	31
20	Normal butane oxidation: Measurements of autoxidation products in a jet-stirred reactor. Fuel, 2023, 350, 128865.	7.4	5
21	Experimental and kinetic modeling study of low-temperature oxidation of n-pentane. Combustion and Flame, 2023, 254, 112813.	6.0	15
22	On the formation of highly oxidized pollutants by autoxidation of terpenes under low-temperature-combustion conditions: the case of limonene and Î±-pinene. Atmospheric Chemistry and Physics, 2023, 23, 5715-5733.	4.6	6
23	Experimental and modeling study of the oxidation of fenchone, a high-energy density fuel-additive. Fuel, 2023, 353, 129183.	7.4	3
24	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.	2.0	54
25	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.	6.0	12
26	A comprehensive experimental and modeling study of n-propylcyclohexane oxidation. Combustion and Flame, 2022, 238, 111944.	6.0	17
27	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.	5.2	6
28	Revisiting low temperature oxidation chemistry of n-heptane. Combustion and Flame, 2022, 242, 112177.	6.0	36
29	Formation of Organic Acids and Carbonyl Compounds in nâ€Butane Oxidation via Î³â€Ketohydroperoxide Decomposition. Angewandte Chemie - International Edition, 2022, 61, .	14.4	14
30	Characterization of the Autoxidation of Terpenes at Elevated Temperature Using High-Resolution Mass Spectrometry: Formation of Ketohydroperoxides and Highly Oxidized Products from Limonene. Journal of Physical Chemistry A, 2022, 126, 9087-9096.	2.5	5
31	A pyrolysis study on C4â€“C8 symmetric ethers. Proceedings of the Combustion Institute, 2021, 38, 329-336.	4.4	14
32	Oxidation of di-n-propyl ether: Characterization of low-temperature products. Proceedings of the Combustion Institute, 2021, 38, 337-344.	4.4	25
33	Oxidation of pentan-2-ol â€“ part II: Experimental and modeling study. Proceedings of the Combustion Institute, 2021, 38, 833-841.	4.4	9
34	On the implications of nitromethane â€“ NO chemistry interactions for combustion processes. Fuel, 2021, 289, 119861.	7.4	29
35	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.	4.4	11
36	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.	4.4	14

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37	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.	6.0	32
38	An experimental and kinetic modeling study on the oxidation of 1,3-dioxolane. Proceedings of the Combustion Institute, 2021, 38, 543-553.	4.4	37
39	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.	4.6	10
40	Polar Aromatic Compounds in Soot from Premixed Flames of Kerosene, Synthetic Paraffinic Kerosene, and Keroseneâ€“Synthetic Biofuels. Energy & Fuels, 2021, 35, 11427-11444.	5.2	2
41	Oxidation of C₅ esters: Influence of the position of the ester function. International Journal of Chemical Kinetics, 2021, 53, 1124-1132.	1.5	9
42	Exploring pyrolysis and oxidation chemistry of o-xylene at various pressures with special concerns on PAH formation. Combustion and Flame, 2021, 228, 351-363.	6.0	30
43	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.	6.0	8
44	Oxidation of diethyl ether: Extensive characterization of products formed at low temperature using high resolution mass spectrometry. Combustion and Flame, 2021, 228, 340-350.	6.0	18
45	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.	6.0	16
46	Experimental Characterization of Tetrahydrofuran Low-Temperature Oxidation Products Including Ketohydroperoxides and Highly Oxygenated Molecules. Energy & Fuels, 2021, 35, 7242-7252.	5.2	16
47	Towards a Comprehensive Characterization of the Low-Temperature Autoxidation of Di-n-Butyl Ether. Molecules, 2021, 26, 7174.	4.2	8
48	A high pressure oxidation study of di-n-propyl ether. Fuel, 2020, 263, 116554.	7.4	18
49	Cool flame chemistry of diesel surrogate compounds: n-Decane, 2-methylnonane, 2,7-dimethyloctane, and n-butylcyclohexane. Combustion and Flame, 2020, 219, 384-392.	6.0	23
50	Oxidation of di-n-butyl ether: Experimental characterization of low-temperature products in JSR and RCM. Combustion and Flame, 2020, 222, 133-144.	6.0	31
51	Methyl-3-hexenoate combustion chemistry: Experimental study and numerical kinetic simulation. Combustion and Flame, 2020, 222, 170-180.	6.0	13
52	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.	4.4	22
53	An experimental and modeling study of the oxidation of 3-pentanol at high pressure. Proceedings of the Combustion Institute, 2019, 37, 477-484.	4.4	16
54	New insights into propanal oxidation at low temperatures: An experimental and kinetic modeling study. Proceedings of the Combustion Institute, 2019, 37, 565-573.	4.4	27

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55	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.	4.4	23
56	Kinetics of oxidation of levulinic biofuels in a jet-stirred reactor: Methyl levulinate. Proceedings of the Combustion Institute, 2019, 37, 381-388.	4.4	8
57	The atmospheric impact of the reaction of N2O with NO3: A theoretical study. Chemical Physics Letters, 2019, 731, 136605.	2.7	5
58	Species measurements of the particulate matter reducing additive triâ€“propylene glycol monomethyl ether. Proceedings of the Combustion Institute, 2019, 37, 1257-1264.	4.4	1
59	Low-temperature chemistry triggered by probe cooling in a low-pressure premixed flame. Combustion and Flame, 2019, 204, 260-267.	6.0	21
60	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, .	1.3	6
61	Pyrolysis of butane-2,3â€˜dione from low to high pressures: Implications for methyl-related growth chemistry. Combustion and Flame, 2019, 200, 69-81.	6.0	18
62	Exploring gasoline oxidation chemistry in jet stirred reactors. Fuel, 2019, 236, 1282-1292.	7.4	42
63	More insight into cyclohexanone oxidation: Jet-stirred reactor experiments and kinetic modeling. Fuel, 2018, 220, 908-915.	7.4	6
64	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.	6.0	58
65	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.	6.0	36
66	n-Heptane cool flame chemistry: Unraveling intermediate species measured in a stirred reactor and motored engine. Combustion and Flame, 2018, 187, 199-216.	6.0	78
67	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.	6.0	64
68	Exploration of the oxidation chemistry of dimethoxymethane: Jet-stirred reactor experiments and kinetic modeling. Combustion and Flame, 2018, 193, 491-501.	6.0	63
69	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.	4.4	20
70	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.	4.4	110
71	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.	5.2	8
72	A Chemical Kinetic Investigation on Butyl Formate Oxidation: Ab Initio Calculations and Experiments in a Jet-Stirred Reactor. Energy & Fuels, 2017, 31, 6194-6205.	5.2	10

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73	Screening Method for Fuels in Homogeneous Charge Compression Ignition Engines: Application to Valeric Biofuels. Energy & Fuels, 2017, 31, 607-614.	5.2	22
74	Quantities of Interest in Jet Stirred Reactor Oxidation of a High-Octane Gasoline. Energy & Fuels, 2017, 31, 5543-5553.	5.2	23
75	A comprehensive experimental and kinetic modeling study of n-propylbenzene combustion. Combustion and Flame, 2017, 186, 178-192.	6.0	53
76	A chemical kinetic study of the oxidation of dibutyl-ether in a jet-stirred reactor. Combustion and Flame, 2017, 185, 4-15.	6.0	71
77	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.	7.5	130
78	Burning velocities and jet-stirred reactor oxidation of diethyl carbonate. Proceedings of the Combustion Institute, 2017, 36, 553-560.	4.4	34
79	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.	5.2	29
80	New insights into the low-temperature oxidation of 2-methylhexane. Proceedings of the Combustion Institute, 2017, 36, 373-382.	4.4	40
81	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.	4.4	52
82	Jet-stirred reactor oxidation of alkane-rich FACE gasoline fuels. Proceedings of the Combustion Institute, 2017, 36, 517-524.	4.4	30
83	Elucidating reactivity regimes in cyclopentane oxidation: Jet stirred reactor experiments, computational chemistry, and kinetic modeling. Proceedings of the Combustion Institute, 2017, 36, 469-477.	4.4	43
84	Experimental and Kinetic Modeling of the Oxidation of Synthetic Jet Fuels and Surrogates. Combustion Science and Technology, 2016, 188, 1705-1718.	2.0	13
85	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	115
86	Combustion in micro-channels with a controlled temperature gradient. Experimental Thermal and Fluid Science, 2016, 73, 79-86.	2.9	62
87	A comprehensive experimental and kinetic modeling study of ethylbenzene combustion. Combustion and Flame, 2016, 166, 255-265.	6.0	76
88	A detailed chemical kinetic modeling, ignition delay time and jet-stirred reactor study of methanol oxidation. Combustion and Flame, 2016, 165, 125-136.	6.0	307
89	Additional chain-branching pathways in the low-temperature oxidation of branched alkanes. Combustion and Flame, 2016, 164, 386-396.	6.0	103
90	Oscillating flames in micro-combustion. Combustion and Flame, 2016, 167, 392-394.	6.0	45

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91	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.	5.2	10
92	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.	4.4	85
93	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	160
94	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	9
95	Experimental and Modeling Study of the Oxidation of 1-Butene and cis-2-Butene in a Jet-Stirred Reactor and a Combustion Vessel. Energy & Fuels, 2015, 29, 1107-1118.	5.2	46
96	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, .	1.3	9
97	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.	7.4	25
98	Computational Kinetic Study for the Unimolecular Decomposition of Cyclopentanone. International Journal of Chemical Kinetics, 2015, 47, 439-446.	1.5	23
99	An experimental and modeling study of diethyl carbonate oxidation. Combustion and Flame, 2015, 162, 1395-1405.	6.0	52
100	Experimental and kinetic modeling study of styrene combustion. Combustion and Flame, 2015, 162, 1868-1883.	6.0	57
101	An experimental and kinetic modeling study of n -hexane oxidation. Combustion and Flame, 2015, 162, 4194-4207.	6.0	141
102	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.	6.0	218
103	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.	6.0	126
104	Computational Kinetic Study for the Unimolecular Decomposition Pathways of Cyclohexanone. Journal of Physical Chemistry A, 2015, 119, 7138-7144.	2.5	17
105	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.	4.4	34
106	An experimental and modeling study of n -octanol combustion. Proceedings of the Combustion Institute, 2015, 35, 419-427.	4.4	112
107	Combustion and Emissions Characteristics of Valeric Biofuels in a Compression Ignition Engine. Journal of Energy Engineering - ASCE, 2014, 140, .	1.8	30
108	Combustion of a Gas-to-Liquidâ€“Based Alternative Jet Fuel: Experimental and Detailed Kinetic Modeling. Combustion Science and Technology, 2014, 186, 1275-1283.	2.0	10

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109	Quantitative Measurements of HO₂ and Other Products of n-Butane Oxidation (H₂O₂, H₂O, CH₂O, and) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 747 Td (C with Sampling Nozzle and Cavity Ring-Down Spectroscopy (cw-CRDS). Journal of the American Chemical Society, 2014, 136, 16689-16694.	15.0	29
110	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.	6.0	74
111	Chemical kinetics modeling of n-nonane oxidation in oxygen/argon using excited-state species time histories. Combustion and Flame, 2014, 161, 1146-1163.	6.0	9
112	Experimental and detailed kinetic model for the oxidation of a Gas to Liquid (GtL) jet fuel. Combustion and Flame, 2014, 161, 835-847.	6.0	136
113	An experimental and modeling study of 2-methyl-1-butanol oxidation in a jet-stirred reactor. Combustion and Flame, 2014, 161, 3003-3013.	6.0	35
114	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.	4.4	14
115	Photodegradation of Pyrene on Al₂O₃Surfaces: A Detailed Kinetic and Product Study. Journal of Physical Chemistry A, 2014, 118, 7007-7016.	2.5	22
116	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.	7.4	53
117	A comprehensive combustion chemistry study of 2,5-dimethylhexane. Combustion and Flame, 2014, 161, 1444-1459.	6.0	99
118	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.	6.0	41
119	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	15
120	Experimental Study of Tetralin Oxidation and Kinetic Modeling of Its Pyrolysis and Oxidation. Energy & Fuels, 2013, 27, 1576-1585.	5.2	28
121	A comprehensive experimental and modeling study of iso-pentanol combustion. Combustion and Flame, 2013, 160, 2712-2728.	6.0	110
122	Experimental and modeling study of the oxidation of n- and iso-butanal. Combustion and Flame, 2013, 160, 1609-1626.	6.0	49
123	A comprehensive experimental and detailed chemical kinetic modelling study of 2,5-dimethylfuran pyrolysis and oxidation. Combustion and Flame, 2013, 160, 2291-2318.	6.0	152
124	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.	6.0	96
125	Experimental and Modeling Study of the Oxidation Kinetics of n-Undecane and n-Dodecane in a Jet-Stirred Reactor. Energy & Fuels, 2012, 26, 4253-4268.	5.2	90
126	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.	5.2	57

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127	Laminar Burning Velocities of C₄â€“C₇ Ethyl Esters in a Spherical Combustion Chamber: Experimental and Detailed Kinetic Modeling. Energy & Fuels, 2012, 26, 6669-6677.	5.2	52
128	Oxidation of a Coal-to-Liquid Synthetic Jet Fuel: Experimental and Chemical Kinetic Modeling Study. Energy & Fuels, 2012, 26, 6070-6079.	5.2	56
129	Autoignition of surrogate biodiesel fuel (B30) at high pressures: Experimental and modeling kinetic study. Combustion and Flame, 2012, 159, 996-1008.	6.0	29
130	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.	5.2	81
131	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.	4.4	47
132	Experimental and modeling study of the kinetics of oxidation of ethanol-n-heptane mixtures in a jet-stirred reactor. Fuel, 2010, 89, 280-286.	7.4	71
133	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.	2.0	46
134	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
135	Kinetics of Oxidation of 2-Butanol and Isobutanol in a Jet-Stirred Reactor: Experimental Study and Modeling Investigation. Energy & Fuels, 2010, 24, 5244-5256.	5.2	54
136	Determination of Polycyclic Aromatic Hydrocarbons in kerosene and bio-kerosene soot. Chemosphere, 2010, 78, 1342-1349.	8.2	18
137	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.	5.9	26
138	Advances in PAHs/nitro-PAHs fractioning. Analytical Methods, 2010, 2, 2017.	2.5	10
139	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.	4.4	66
140	Experimental and Modeling Study of the Kinetics of Oxidation of Methanolâ^'Gasoline Surrogate Mixtures (M85 Surrogate) in a Jet-Stirred Reactor. Energy & Fuels, 2009, 23, 1936-1941.	5.2	20
141	Experimental and Modeling Study of the Kinetics of Oxidation of Butanolâ^'n-Heptane Mixtures in a Jet-stirred Reactor. Energy & Fuels, 2009, 23, 3527-3535.	5.2	88
142	Detailed Kinetic Mechanism for the Oxidation of Vegetable Oil Methyl Esters: New Evidence from Methyl Heptanoate. Energy & Fuels, 2009, 23, 4254-4268.	5.2	68
143	The oxidation of hydrogen cyanide and related chemistry. Progress in Energy and Combustion Science, 2008, 34, 1-46.	39.1	373
144	NO reduction capacity of four major solid fuels in reburning conditions â€“ Experiments and modeling. Fuel, 2008, 87, 274-289.	7.4	40

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145	Oxidation kinetics of butanolâ€“gasoline surrogate mixtures in a jet-stirred reactor: Experimental and modeling study. Fuel, 2008, 87, 3313-3321.	7.4	110
146	Experimental and Modeling Study of the Kinetics of Oxidation of Ethanolâ˜Gasoline Surrogate Mixtures (E85 Surrogate) in a Jet-Stirred Reactor. Energy & Fuels, 2008, 22, 3499-3505.	5.2	100
147	Experimental and Kinetic Modeling Study of the Oxidation of Methyl Hexanoate. Energy & Fuels, 2008, 22, 1469-1479.	5.2	104
148	Experimental and Detailed Kinetic Modeling of the Oxidation of Methane and Methane/Syngas Mixtures and Effect of Carbon Dioxide Addition. Combustion Science and Technology, 2008, 180, 2046-2091.	2.0	65
149	Kinetics of 1,2-Dimethylbenzene Oxidation and Ignition: Experimental and Detailed Chemical Kinetic Modeling. Combustion Science and Technology, 2008, 180, 1748-1771.	2.0	37
150	OXIDATION OF m-XYLENE IN A JSR: EXPERIMENTAL STUDY AND DETAILED CHEMICAL KINETIC MODELING. Combustion Science and Technology, 2007, 179, 813-844.	2.0	41
151	High pressure effects on the mutual sensitization of the oxidation of NO and CH4â€“C2H6 blends. Physical Chemistry Chemical Physics, 2007, 9, 4230.	2.7	77
152	Modeling of the Oxidation of Primary Reference Fuel in the Presence of Oxygenated Octane Improvers: Ethyl Tert-Butyl Ether and Ethanol. Energy & Fuels, 2007, 21, 3233-3239.	5.2	32
153	OXIDATION OF 1-METHYLNAPHTHALENE AT 1â€“13 ATM: EXPERIMENTAL STUDY IN A JSR AND DETAILED CHEMICAL KINETIC MODELING. Combustion Science and Technology, 2007, 179, 1261-1285.	2.0	44
154	Kinetics of Jet Fuel Combustion Over Extended Conditions: Experimental and Modeling. Journal of Engineering for Gas Turbines and Power, 2007, 129, 394-403.	1.3	29
155	Chemical Kinetic Study of the Effect of a Biofuel Additive on Jet-A1 Combustion. Journal of Physical Chemistry A, 2007, 111, 3992-4000.	2.5	76
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