

Pierre-alexandre Glaude

List of Publications by Year in descending order

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168
papers

7,982
citations

29928

54
h-index

57558

83
g-index

172
all docs

172
docs citations

172
times ranked

4553
citing authors

#	ARTICLE	IF	CITATIONS
1	Experimental study of the impact of alcohols on the oxidation stability of a surrogate jet-fuel. <i>Fuel</i> , 2024, 361, 130750.	6.6	0
2	An experimental and detailed kinetic modeling of the thermal oxidation stability of n-decane as a jet fuel surrogate component. <i>Fuel</i> , 2023, 342, 127754.	6.6	8
3	0817 Associations between Sleep Health and Injuries among Adults in the US: Findings from the National Health Interview Survey. <i>Sleep</i> , 2023, 46, A359-A360.	1.1	0
4	A comprehensive kinetic study of the combustion mechanism of methyl isocyanate. <i>Combustion and Flame</i> , 2023, 255, 112913.	5.3	3
5	Update of application of olfactory ensheathing cells and stem cells/exosomes in the treatment of retinal disorders. <i>Stem Cell Research and Therapy</i> , 2022, 13, 11.	5.7	5
6	Injectable "nano-micron" combined gene-hydrogel microspheres for local treatment of osteoarthritis. <i>NPG Asia Materials</i> , 2022, 14, .	8.3	76
7	Management of patients after heart valve interventions. Expert opinion of the Working Group on Valvular Heart Diseases, Working Group on Cardiac Surgery, and Association of Cardiovascular Interventions of the Polish Cardiac Society. <i>Kardiologia Polska</i> , 2022, 80, 386-402.	0.6	1
8	Theoretical Study of the Thermal Decomposition of Urea Derivatives. <i>Journal of Physical Chemistry A</i> , 2022, 126, 6264-6277.	2.6	4
9	Theoretical study of the gas-phase thermal decomposition of urea. <i>Proceedings of the Combustion Institute</i> , 2021, 38, 355-364.	4.5	4
10	Laminar flame structure of ethyl pentanoate at low and atmospheric-pressure: Experimental and kinetic modeling study. <i>Energy</i> , 2021, 215, 119115.	9.0	5
11	The decisive role of pericyclic reactions in the thermal decomposition of organophosphorus compounds. <i>Proceedings of the Combustion Institute</i> , 2021, 38, 719-727.	4.5	8
12	Experimental and kinetic modeling of the ignition delays of cyclohexane, cyclohexene, and cyclohexadienes: Effect of unsaturation. <i>Proceedings of the Combustion Institute</i> , 2021, 38, 1017-1024.	4.5	12
13	Theoretical study of the pyrolysis of 1,4-xylan: a detailed investigation on unimolecular concerted reactions. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 2605-2621.	2.9	5
14	Chemical effects of ferrocene and 2-ethylhexyl nitrate on a low-octane gasoline: An experimental and numerical RCM study. <i>Proceedings of the Combustion Institute</i> , 2021, 38, 441-448.	4.5	7
15	Development of a Detailed Kinetic Model for the Oxidation of n-Butane in the Liquid Phase. <i>Journal of Physical Chemistry B</i> , 2021, 125, 6955-6967.	2.7	9
16	Determination of heterogeneous reaction mechanisms: A key milestone in dust explosion modelling. <i>Journal of Loss Prevention in the Process Industries</i> , 2021, 73, 104589.	3.4	6
17	Numerical Investigation on Dynamic Response and Failure Modes of Rock Slopes with Weak Interlayers Using Continuum-Discontinuum Element Method. <i>Frontiers in Earth Science</i> , 2021, 9, .	1.8	10
18	Design of a Bench-Scale Tubular Reactor Similar to Plug Flow Reactor for Gas-Phase Kinetic Data Generation-Illustration with the Pyrolysis of Octanoic Acid. <i>Processes</i> , 2021, 9, 2270.	2.8	0

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19	Kinetic modeling of the thermal destruction of lewisite. Journal of Hazardous Materials, 2020, 398, 123086.	12.6	3
20	Hereditary angioedema type III , recurrent pregnancy loss and heterozygous MTHFR mutation. Dermatologic Therapy, 2020, 33, e14541.	1.7	2
21	Experimental and numerical investigation of the promoting effect of a cetane booster in a low-octane gasoline fuel in a rapid compression machine: A study of 2-ethylhexyl nitrate. Combustion and Flame, 2020, 222, 36-47.	5.3	14
22	Immune restoration in HIV-1-infected patients after 12 years of antiretroviral therapy: a real-world observational study. Emerging Microbes and Infections, 2020, 9, 2550-2561.	6.6	28
23	Experiments and modeling of octanoic acid pyrolysis in a plug flow reactor. Journal of Analytical and Applied Pyrolysis, 2020, 146, 104767.	5.6	4
24	Auto-ignition control using an additive with adaptable chemical structure. Part I: Development of a kinetic model for 1,3-cyclohexadiene and 1,3,5-hexatriene combustion. Combustion and Flame, 2019, 205, 466-483.	5.3	13
25	Polycyclic aromatic hydrocarbon (PAH) formation during acetylene pyrolysis in tubular reactor under low pressure carburizing conditions. Chemical Engineering Science, 2019, 202, 84-94.	4.0	13
26	Autoignition Control Using an Additive with Adaptable Chemical Structure. Part 2. Development of a PRF Kinetic Model Including 1,3-Cyclohexadiene Mechanism and Simulations of Ignition Control. Energy & Fuels, 2019, 33, 12704-12713.	5.2	3
27	Study of Polycyclic Aromatic Hydrocarbon formation during acetylene pyrolysis in a jet-stirred-reactor and numerical investigations of residence time distribution using CFD simulations. Chemical Engineering Journal, 2019, 377, 120244.	13.0	5
28	Acetylene pyrolysis in a jet-stirred-reactor for low pressure gas carburizing process “ Experiments, kinetic modeling and mixing intensity investigations by CFD simulation. Chemical Engineering Science, 2019, 195, 810-819.	4.0	3
29	Differential cortical thinning of auditory cortex in first episode schizophrenia: Association with auditory verbal hallucinations. Schizophrenia Research, 2019, 206, 464-465.	2.1	1
30	The importance of endothermic pyrolysis reactions in the understanding of diesel spray combustion. Fuel, 2018, 224, 302-310.	6.6	13
31	Thermal Decomposition of Phosgene and Diphosgene. Journal of Physical Chemistry A, 2018, 122, 249-257.	2.6	9
32	Kinetic Study of the Pyrolysis and Oxidation of Guaiacol. Journal of Physical Chemistry A, 2018, 122, 7894-7909.	2.6	48
33	IL-17 Promotes Scar Formation by Inducing Macrophage Infiltration. American Journal of Pathology, 2018, 188, 1693-1702.	4.1	37
34	Numerical study of the influence of particle reaction and radiative heat transfer on the flame velocity of gas/nanoparticles hybrid mixtures. Chemical Engineering Research and Design, 2018, 118, 211-226.	5.7	12
35	Combustion and Pyrolysis Kinetics of Chloropicrin. Journal of Physical Chemistry A, 2018, 122, 5735-5741.	2.6	1
36	The oxidation of the novel lignocellulosic biofuel $\hat{\text{I}}^3$ -valerolactone in a low pressure flame. Proceedings of the Combustion Institute, 2017, 36, 577-585.	4.5	9

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37	Early Life Nutrition and Stable Isotope Techniques. , 2017, , 81-107.		0
38	Influence of carbon black nanoparticles on the front flame velocity of methane/air explosions. Journal of Loss Prevention in the Process Industries, 2017, 49, 919-928.	3.4	14
39	Kinetic Modeling of the Thermal Destruction of Nitrogen Mustard Gas. Journal of Physical Chemistry A, 2017, 121, 3254-3262.	2.6	4
40	Explosions of methane/air/nanoparticles mixtures: Comparison between carbon black and inert particles. Chemical Engineering Research and Design, 2017, 110, 77-88.	5.7	18
41	Performance of lignin derived compounds as octane boosters. Fuel, 2017, 189, 284-292.	6.6	36
42	Experimental and modeling study of the pyrolysis and combustion of 2-methyl-tetrahydrofuran. Combustion and Flame, 2017, 176, 409-428.	5.3	29
43	Kinetic modeling of the thermal destruction of mustard gas. Proceedings of the Combustion Institute, 2017, 36, 499-506.	4.5	5
44	Pericyclic reactions in ether biofuels. Proceedings of the Combustion Institute, 2017, 36, 569-576.	4.5	19
45	Prediction of Auto-Ignition Temperatures and Delays for Gas Turbine Applications. Journal of Engineering for Gas Turbines and Power, 2016, 138, .	1.2	17
46	Steam reforming of methane in a synthesis gas from biomass gasification. International Journal of Hydrogen Energy, 2016, 41, 18329-18338.	7.2	30
47	Detailed kinetic modeling of the formation of toxic polycyclic aromatic hydrocarbons (PAHs) coming from pyrolysis in low-pressure gas carburizing conditions. Journal of Analytical and Applied Pyrolysis, 2016, 122, 342-354.	5.6	33
48	A comprehensive experimental and modeling study of isobutene oxidation. Combustion and Flame, 2016, 167, 353-379.	5.3	291
49	Design of dual-polarized and angular stable new bandpass frequency selective surface in X-band. Telecommunication Systems, 2016, 61, 559-567.	2.6	5
50	Experimental and modeling study of ultra-rich oxidation of n-heptane. Fuel, 2015, 144, 358-368.	6.6	28
51	Prediction of Auto-Ignition Temperatures and Delays for Gas Turbine Applications. , 2015, , .		1
52	Experimental and modeling study of burning velocities for alkyl aromatic components relevant to diesel fuels. Proceedings of the Combustion Institute, 2015, 35, 341-348.	4.5	45
53	The oxidation of large alkylbenzenes: An experimental and modeling study. Proceedings of the Combustion Institute, 2015, 35, 349-356.	4.5	36
54	Measurements of Laminar Burning Velocities above Atmospheric Pressure Using the Heat Flux Method Application to the Case of n-Pentane. Energy & Fuels, 2015, 29, 398-404.	5.2	50

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55	Experimental and Kinetic Modeling Study of 2-Methyl-2-Butene: Allylic Hydrocarbon Kinetics. Journal of Physical Chemistry A, 2015, 119, 7462-7480.	2.6	63
56	An experimental and modeling study of the combustion of tetrahydrofuran. Combustion and Flame, 2015, 162, 1899-1918.	5.3	73
57	Quantum Chemical Study of the Thermochemical Properties of Organophosphorous Compounds. Journal of Physical Chemistry A, 2015, 119, 10527-10539.	2.6	31
58	Pyrolysis and combustion chemistry of tetrahydropyran: Experimental and modeling study. Combustion and Flame, 2015, 162, 4283-4303.	5.3	22
59	Unimolecular decomposition of tetrahydrofuran: Carbene vs. diradical pathways. Proceedings of the Combustion Institute, 2015, 35, 533-541.	4.5	32
60	Vesicomyinae (Bivalvia: Vesicomyidae) of the Kuril-Kamchatka Trench and adjacent abyssal regions. Deep-Sea Research Part II: Topical Studies in Oceanography, 2015, 111, 198-209.	1.5	18
61	Combustion and Oxidation Kinetics of Alternative Gas Turbines Fuels. , 2014, , .		6
62	Laminar burning velocity of gasolines with addition of ethanol. Fuel, 2014, 115, 162-169.	6.6	262
63	Combustion chemistry and flame structure of furan group biofuels using molecular-beam mass spectrometry and gas chromatography – Part III: 2,5-Dimethylfuran. Combustion and Flame, 2014, 161, 780-797.	5.3	128
64	Detailed kinetic study of anisole pyrolysis and oxidation to understand tar formation during biomass combustion and gasification. Combustion and Flame, 2014, 161, 1474-1488.	5.3	123
65	Combustion chemistry and flame structure of furan group biofuels using molecular-beam mass spectrometry and gas chromatography – Part II: 2-Methylfuran. Combustion and Flame, 2014, 161, 766-779.	5.3	111
66	Combustion chemistry and flame structure of furan group biofuels using molecular-beam mass spectrometry and gas chromatography – Part I: Furan. Combustion and Flame, 2014, 161, 748-765.	5.3	120
67	A high temperature and atmospheric pressure experimental and detailed chemical kinetic modelling study of 2-methyl furan oxidation. Proceedings of the Combustion Institute, 2013, 34, 225-232.	4.5	124
68	Experimental and modeling study of the oxidation of n-butane in a jet stirred reactor using cw-CRDS measurements. Physical Chemistry Chemical Physics, 2013, 15, 19686.	2.9	42
69	Shock Tube and Chemical Kinetic Modeling Study of the Oxidation of 2,5-Dimethylfuran. Journal of Physical Chemistry A, 2013, 117, 1371-1392.	2.6	111
70	A comprehensive experimental and detailed chemical kinetic modelling study of 2,5-dimethylfuran pyrolysis and oxidation. Combustion and Flame, 2013, 160, 2291-2318.	5.3	144
71	New experimental evidence and modeling study of the ethylbenzene oxidation. Proceedings of the Combustion Institute, 2013, 34, 325-333.	4.5	49
72	Experimental study of the structure of laminar premixed flames of ethanol/methane/oxygen/argon. Combustion, Explosion and Shock Waves, 2013, 49, 11-18.	0.8	11

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73	Low temperature oxidation of benzene and toluene in mixture with n-decane. Proceedings of the Combustion Institute, 2013, 34, 297-305.	4.5	46
74	Rapid Discovery of a Novel Series of Abl Kinase Inhibitors by Application of an Integrated Microfluidic Synthesis and Screening Platform. Journal of Medicinal Chemistry, 2013, 56, 3033-3047.	6.6	121
75	Combustion chemical kinetics of biodiesel and related compounds (methyl and ethyl esters): Experiments and modeling " Advances and future refinements. Progress in Energy and Combustion Science, 2013, 39, 340-382.	32.4	189
76	Myopic astigmatism correction: comparison of a Toric Implantable Collamer Lens and a bioptics technique by an adaptive optics visual simulator. Ophthalmic and Physiological Optics, 2013, 33, 114-122.	2.3	8
77	Through the Looking Glass . . . and What You May Find There. Canadian Journal of Hospital Pharmacy, 2013, 66, 203-4.	0.1	0
78	Quantification of Hydrogen Peroxide during the Low-Temperature Oxidation of Alkanes. Journal of the American Chemical Society, 2012, 134, 11944-11947.	14.6	47
79	Progress in detailed kinetic modeling of the combustion of oxygenated components of biofuels. Energy, 2012, 43, 4-18.	9.0	152
80	Measurements of flat-flame velocities of diethyl ether in air. Energy, 2012, 43, 140-145.	9.0	48
81	JTHERGAS: Thermodynamic estimation from 2D graphical representations of molecules. Energy, 2012, 43, 161-171.	9.0	13
82	Special issue dedicated to "Cleaner Combustion 2011" conference. Energy, 2012, 43, 2-3.	9.0	0
83	Experimental and modeling investigation of the low-temperature oxidation of n-heptane. Combustion and Flame, 2012, 159, 3455-3471.	5.3	170
84	Detailed Product Analysis during Low- and Intermediate-Temperature Oxidation of Ethylcyclohexane. Journal of Physical Chemistry A, 2012, 116, 5100-5111.	2.6	44
85	The Effects of Zataria multiflora Boiss Essential Oil and Nisin on Chemical Characteristics of Rainbow Trout Fillet Stored at 4°C. Probiotics and Antimicrobial Proteins, 2012, 4, 116-121.	4.0	6
86	CFD modelling of cyclohexane auto-ignition in an RCM. Fuel, 2012, 96, 192-203.	6.6	13
87	Experimental and modeling study of the oxidation of n-butylbenzene. Combustion and Flame, 2012, 159, 1399-1416.	5.3	62
88	Detection of some stable species during the oxidation of methane by coupling a jet-stirred reactor (JSR) to cw-CRDS. Chemical Physics Letters, 2012, 534, 1-7.	2.7	26
89	Towards cleaner combustion engines through groundbreaking detailed chemical kinetic models. Chemical Society Reviews, 2011, 40, 4762.	40.3	117
90	Detailed product analysis during the low temperature oxidation of n-butane. Physical Chemistry Chemical Physics, 2011, 13, 296-308.	2.9	112

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91	Measurements of Laminar Flame Velocity for Components of Natural Gas. Energy & Fuels, 2011, 25, 3875-3884.	5.2	189
92	Laminar Flame Velocity of Components of Natural Gas. , 2011, , .		2
93	Experimental and kinetic modeling study of ethyl butanoate oxidation in a laminar tubular plug flow reactor. Fuel, 2011, 90, 3237-3253.	6.6	20
94	Percutaneous Cholecystostomy as a First-Line Therapy in Chronic Hemodialysis Patients with Acute Cholecystitis with Midterm Follow-up. CardioVascular and Interventional Radiology, 2011, 34, 362-368.	2.1	14
95	Modeling study of the low-temperature oxidation of large methyl esters from C11 to C19. Proceedings of the Combustion Institute, 2011, 33, 391-398.	4.5	64
96	Oxidation of small unsaturated methyl and ethyl esters. International Journal of Chemical Kinetics, 2011, 43, 204-218.	1.7	34
97	When should a rheumatologist suspect a mitochondrial myopathy?. Arthritis Care and Research, 2011, 63, 1497-1502.	3.8	4
98	Experimental and modeling study of the thermal decomposition of methyl decanoate. Combustion and Flame, 2011, 158, 1288-1300.	5.3	53
99	An experimental and kinetic investigation of premixed furan/oxygen/argon flames. Combustion and Flame, 2011, 158, 756-773.	5.3	115
100	Mass spectra of cyclic ethers formed in the low-temperature oxidation of a series of n-alkanes. Fuel, 2011, 90, 528-535.	6.6	20
101	New experimental evidences about the formation and consumption of ketohydroperoxides. Proceedings of the Combustion Institute, 2011, 33, 325-331.	4.5	65
102	Cutting Edge: β -Catenin Is Dispensable for T Cell Effector Differentiation, Memory Formation, and Recall Responses. Journal of Immunology, 2011, 187, 1542-1546.	0.8	43
103	Experimental study of the oxidation of methyl oleate in a jet-stirred reactor. Combustion and Flame, 2010, 157, 1220-1229.	5.3	82
104	Experimental study of the structure of a lean premixed indane/CH ₄ /O ₂ /Ar flame. Combustion, Explosion and Shock Waves, 2010, 46, 132-139.	0.8	8
105	Experimental Confirmation of the Low-Temperature Oxidation Scheme of Alkanes. Angewandte Chemie, 2010, 122, 3237-3240.	2.1	24
106	Experimental Confirmation of the Low-Temperature Oxidation Scheme of Alkanes. Angewandte Chemie - International Edition, 2010, 49, 3169-3172.	14.8	184
107	Oxidation of methyl and ethyl butanoates. International Journal of Chemical Kinetics, 2010, 42, 226-252.	1.7	78
108	Adiabatic flame temperature from biofuels and fossil fuels and derived effect on NO _x emissions. Fuel Processing Technology, 2010, 91, 229-235.	7.3	105

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109	Lean methane premixed laminar flames doped by components of diesel fuel II: n-Propylcyclohexane. <i>Combustion and Flame</i> , 2010, 157, 75-90.	5.3	29
110	A lean methane premixed laminar flame doped with components of diesel fuel part III: Indane and comparison between n-butylbenzene, n-propylcyclohexane and indane. <i>Combustion and Flame</i> , 2010, 157, 1236-1260.	5.3	30
111	An experimental and kinetic modeling study of the autoignition of 1-methylnaphthalene/air and 2-methylnaphthalene/n-decane/air mixtures at elevated pressures. <i>Combustion and Flame</i> , 2010, 157, 1976-1988.	5.3	70
112	A lean methane premixed laminar flame doped with components of diesel fuel. n-Butylbenzene. <i>Combustion and Flame</i> , 2009, 156, 954-974.	5.3	37
113	Experimental study of the oxidation of large surrogates for diesel and biodiesel fuels. <i>Combustion and Flame</i> , 2009, 156, 2129-2144.	5.3	117
114	A comparative study of the formation of aromatics in rich methane flames doped by unsaturated compounds. <i>Fuel</i> , 2009, 88, 1388-1393.	6.6	22
115	Influence of the position of the double bond on the autoignition of linear alkenes at low temperature. <i>Proceedings of the Combustion Institute</i> , 2009, 32, 387-394.	4.5	67
116	Observation of the baryonic Λ -decay $\Lambda^0 \rightarrow p + \pi^-$. <i>Physical Review D</i> , 2009, 80, .	4.8	5
117	Mechanisms and Kinetics of Methane Thermal Conversion in a Syngas. <i>Industrial & Engineering Chemistry Research</i> , 2009, 48, 6564-6572.	3.8	56
118	Theoretical Kinetic Study of the Reactions of Cycloalkylperoxy Radicals. <i>Journal of Physical Chemistry A</i> , 2009, 113, 6924-6935.	2.6	53
119	Rich methane premixed laminar flames doped by light unsaturated hydrocarbons. <i>Combustion and Flame</i> , 2008, 152, 245-261.	5.3	22
120	Experimental and modeling study of the autoignition of cyclopentene. <i>International Journal of Chemical Kinetics</i> , 2008, 40, 25-33.	1.7	9
121	Experimental and Modeling Study of the Low-Temperature Oxidation of Large Alkanes. <i>Energy & Fuels</i> , 2008, 22, 2258-2269.	5.2	132
122	A Tentative Modeling Study of the Effect of Wall Reactions on Oxidation Phenomena. <i>Energy & Fuels</i> , 2008, 22, 3736-3743.	5.2	23
123	Theoretical Kinetic Study of Thermal Unimolecular Decomposition of Cyclic Alkyl Radicals. <i>Journal of Physical Chemistry A</i> , 2008, 112, 11598-11610.	2.6	73
124	Synthesis of thieno[2,3-b][1,6]naphthyridines and pyrimido[4,5-b]thieno[2,3-b][1,6]naphthyridines. <i>Journal of Chemical Research</i> , 2008, 2008, 89-94.	1.4	5
125	Kinetic modelling of a surrogate diesel fuel applied to 3D auto-ignition in HCCI engines. <i>International Journal of Vehicle Design</i> , 2007, 44, 124.	0.3	28
126	Rich premixed laminar methane flames doped by light unsaturated hydrocarbons. <i>Combustion and Flame</i> , 2007, 151, 245-261.	5.3	30

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127	Extension of the composite CBS-QB3 method to singlet diradical calculations. <i>Chemical Physics Letters</i> , 2007, 435, 152-156.	2.7	31
128	The autoignition of cyclopentane and cyclohexane in a shock tube. <i>Proceedings of the Combustion Institute</i> , 2007, 31, 277-284.	4.5	110
129	Detailed Kinetic Study of the Ring Opening of Cycloalkanes by CBS-QB3 Calculations. <i>Journal of Physical Chemistry A</i> , 2006, 110, 12693-12704.	2.6	99
130	Modeling of the Gas-Phase Oxidation of Cyclohexane. <i>Energy & Fuels</i> , 2006, 20, 1450-1459.	5.2	81
131	Experimental and modeling study of the autoignition of 1-hexene/isooctane mixtures at low temperatures. <i>Combustion and Flame</i> , 2006, 145, 272-281.	5.3	26
132	Use of detailed kinetic mechanisms for the prediction of autoignitions. <i>Journal of Loss Prevention in the Process Industries</i> , 2006, 19, 227-232.	3.4	11
133	Experimental study of the structure of a rich premixed 1,3-butadiene/CH ₄ /O ₂ /Ar flame. <i>Combustion, Explosion and Shock Waves</i> , 2006, 42, 702-707.	0.8	1
134	Experimental and modeling study of the oxidation of xylenes. <i>International Journal of Chemical Kinetics</i> , 2006, 38, 284-302.	1.7	88
135	Banana-shaped side chain liquid crystalline siloxanes. <i>Liquid Crystals</i> , 2006, 33, 681-688.	2.3	28
136	Progress toward a unified detailed kinetic model for the autoignition of alkanes from C ₄ to C ₁₀ between 600 and 1200 K. <i>Combustion and Flame</i> , 2005, 142, 170-186.	5.3	273
137	Experimental and modeling study of the oxidation of 1-pentene at high temperature. <i>International Journal of Chemical Kinetics</i> , 2005, 37, 451-463.	1.7	62
138	Modeling of the oxidation of large alkenes at low temperature. <i>Proceedings of the Combustion Institute</i> , 2005, 30, 1073-1081.	4.5	98
139	Experimental and modeling study of 1-hexene oxidation behind reflected shock waves. <i>Proceedings of the Combustion Institute</i> , 2005, 30, 1137-1145.	4.5	58
140	Stability of Olefin-Containing Process Gases as an Alternative Fuel for Gas Turbines. <i>Industrial & Engineering Chemistry Research</i> , 2005, 44, 4212-4220.	3.8	9
141	Kinetic Modeling of the Mutual Oxidation of NO and Larger Alkanes at Low Temperature. <i>Energy & Fuels</i> , 2005, 19, 1839-1849.	5.2	51
142	Experimental and modeling study of the oxidation of cyclohexene. <i>International Journal of Chemical Kinetics</i> , 2003, 35, 273-285.	1.7	59
143	Gas Turbines in Alternative Fuel Applications: How to Predict the Stability of Olefin-Containing Process Gases. , 2003, , .		0
144	Modeling the Oxidation of Mixtures of Primary Reference Automobile Fuels. <i>Energy & Fuels</i> , 2002, 16, 1186-1195.	5.2	61

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145	Experimental and modeling study of the oxidation of 1-butyne and 2-butyne. International Journal of Chemical Kinetics, 2002, 34, 172-183.	1.7	39
146	Oxidation of small alkenes at high temperature. International Journal of Chemical Kinetics, 2002, 34, 666-677.	1.7	70
147	Detailed chemical kinetic reaction mechanisms for incineration of organophosphorus and fluoroorganophosphorus compounds. Proceedings of the Combustion Institute, 2002, 29, 2469-2476.	4.5	76
148	The gas-phase oxidation of n-hexadecane. International Journal of Chemical Kinetics, 2001, 33, 574-586.	1.7	50
149	Automatic reduction of detailed mechanisms of combustion of alkanes by chemical lumping. International Journal of Chemical Kinetics, 2000, 32, 36-51.	1.7	41
150	Computer tools for modelling the chemical phenomena related to combustion. Chemical Engineering Science, 2000, 55, 2883-2893.	4.0	64
151	Construction and simplification of a model for the oxidation of alkanes. Combustion and Flame, 2000, 122, 451-462.	5.3	77
152	Experimental and modeling study of the gas-phase oxidation of methyl and ethyl tertiary butyl ethers. Combustion and Flame, 2000, 121, 345-355.	5.3	60
153	Modeling of the gas-phase oxidation of n-decane from 550 to 1600 K. Proceedings of the Combustion Institute, 2000, 28, 1597-1605.	4.5	58
154	Kinetic study of the combustion of organophosphorus compounds. Proceedings of the Combustion Institute, 2000, 28, 1749-1756.	4.5	92
155	Computer based generation of reaction mechanisms for gas-phase oxidation. Computers & Chemistry, 2000, 24, 541-560.	1.2	134
156	Computer-Aided Derivation of Gas-Phase Oxidation Mechanisms: Application to the Modeling of the Oxidation of n-Butane. Combustion and Flame, 1998, 114, 81-102.	5.3	171
157	Modeling of the oxidation of n-octane and n-decane using an automatic generation of mechanisms. International Journal of Chemical Kinetics, 1998, 30, 949-959.	1.7	82
158	Inhibiting effect of CF ₃ I on the reaction between CH ₄ and O ₂ in a jet-stirred reactor. Combustion and Flame, 1997, 109, 285-292.	5.3	13
159	Experimental and modelling study of the effect of CF ₃ H, C ₂ F ₆ and CF ₃ Br on the ignition delays of methane-oxygen-argon mixtures behind shock waves. Journal De Chimie Physique Et De Physico-Chimie Biologique, 1997, 94, 460-476.	0.2	16
160	Computer-aided design of gas-phase oxidation mechanisms – Application to the modeling of n-heptane and iso-octane oxidation. Proceedings of the Combustion Institute, 1996, 26, 755-762.	0.3	60
161	Chemical lumping of mechanisms generated by computer. Application to the modelling of normal butane oxidation. Journal De Chimie Physique Et De Physico-Chimie Biologique, 1996, 93, 1472-1491.	0.2	16
162	Photoacoustic detection of carbonaceous particles. Applied Optics, 1981, 20, 3475.	2.1	6

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163	Detailed Chemical Kinetic Modeling of Diesel Combustion with Oxygenated Fuels. SAE technical paper series, 0, , .	0.0	89
164	Modeling the Laminar Flame Speed of Natural Gas and Gasoline Surrogates. SAE technical paper series, 0, , .	0.0	14
165	Comparison of the Effects of Different Biofuels on the Oxidation Stability of a Hydrocarbon Fuel. SAE technical paper series, 0, , .	0.0	7
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