Alexander A. Konnov

List of Publications by Year
in descending order

175 papers	8,645 citations	47006 47 h-index	54911 84 g-index
176 all docs	176 docs citations	176 times ranked	3040 citing authors

#	Article	IF	Citations
1	From electronic structure to combustion model application for acrolein chemistry part I: AcroleinÂ+ÂH reactions and related chemistry. Combustion and Flame, 2022, 240, 111825.	5.2	3
2	The influence of ammonia on the laminar burning velocities of methylcyclohexane and toluene: An experimental and kinetic modeling study. Combustion and Flame, 2022, 237, 111839.	5.2	12
3	High-temperature oxidation of acetylene by N2O at high Ar dilution conditions and in laminar premixed C2H2â€¯+â€¯O2â€¯+â€¯N2 flames. Combustion and Flame, 2022, 238, 111924.	5.2	12
4	A detailed chemical insights into the kinetics of diethyl ether enhancing ammonia combustion and the importance of NOx recycling mechanism. Fuel Communications, 2022, 10, 100051.	5.2	46
5	Experimental and modeling study of NO formation in methyl acetateÂ+Âair flames. Combustion and Flame, 2022, 242, 112213.	5.2	3
6	Uniqueness and similarity in flame propagation of pre-dissociated NH3Â+Âair and NH3Â+ÂH2Â+Âair mixtures: An experimental and modelling study. Fuel, 2022, 327, 125159.	6.4	9
7	Experimental and modeling study of laminar burning velocities and nitric oxide formation in premixed ethylene/air flames. Proceedings of the Combustion Institute, 2021, 38, 395-404.	3.9	16
8	A projection procedure to obtain adiabatic flames from non-adiabatic flames using heat flux method. Proceedings of the Combustion Institute, 2021, 38, 2143-2151.	3.9	3
9	An experimental and kinetic modeling study on nitric oxide formation in premixed C3 alcohols flames. Proceedings of the Combustion Institute, 2021, 38, 805-812.	3.9	24
10	An experimental and modeling study of ammonia with enriched oxygen content and ammonia/hydrogen laminar flame speed at elevated pressure and temperature. Proceedings of the Combustion Institute, 2021, 38, 2163-2174.	3.9	210
11	Measurements of the laminar burning velocities and NO concentrations in neat and blended ethanol and n-heptane flames. Fuel, 2021, 288, 119585.	6.4	6
12	Comparative Effect of Ammonia Addition on the Laminar Burning Velocities of Methane, <i>n</i>-Heptane, and Iso-octane. Energy & Fuels, 2021, 35, 7156-7168.	5.1	39
13	Experimental and kinetic modeling study of NO formation in premixed CH4+O2+N2 flames. Combustion and Flame, 2021, 223, 349-360.	5.2	33
14	Laminar burning velocities of methaneÂ+Âformic acidÂ+Âair flames: Experimental and modeling study. Combustion and Flame, 2021, 225, 65-73.	5.2	14
15	High-temperature oxidation of propanol isomers in the mixtures with N2O at high Ar dilution conditions. Fuel, 2021, 287, 119499.	6.4	4
16	An experimental and kinetic modeling study on the laminar burning velocity of NH3+N2O+air flames. Combustion and Flame, 2021, 228, 13-28.	5.2	56
17	Oxidation kinetics of methyl crotonate: A comprehensive modeling and experimental study. Combustion and Flame, 2021, 229, 111409.	5.2	3
18	Combustion chemistry of methoxymethanol. Part II: Laminar flames of methanol+formaldehyde fuel mixtures. Combustion and Flame, 2021, 229, 111411.	5.2	9

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19	Laminar burning velocities of propionic acidÂ+Âair flames: Experimental, modeling and data consistency study. Combustion and Flame, 2021, 230, 111431.	5.2	4
20	Laminar burning velocity measurements of ethanol+air and methanol+air flames at atmospheric and elevated pressures using a new Heat Flux setup. Combustion and Flame, 2021, 230, 111435.	5.2	11
21	Detailed Chemical Kinetic Study of Acetaldehyde Oxidation and Its Interaction with NO_{<i>x</i>}. Energy & Fuels, 2021, 35, 14963-14983.	5.1	9
22	Insights into nitromethane combustion from detailed kinetic modeling â€“ Pyrolysis experiments in jet-stirred and flow reactors. Fuel, 2020, 261, 116349.	6.4	32
23	Experimental and modeling study of nitric oxide formation in premixed methanolÂ+Âair flames. Combustion and Flame, 2020, 213, 322-330.	5.2	20
24	Experimental study and kinetic analysis of the laminar burning velocity of NH3/syngas/air, NH3/CO/air and NH3/H2/air premixed flames at elevated pressures. Combustion and Flame, 2020, 221, 270-287.	5.2	141
25	Experimental and Kinetic Modeling Study of Laminar Burning Velocities of Cyclopentanone and Its Binary Mixtures with Ethanol and n-Propanol. Energy & Fuels, 2020, 34, 11408-11416.	5.1	4
26	Methyl-3-hexenoate combustion chemistry: Experimental study and numerical kinetic simulation. Combustion and Flame, 2020, 222, 170-180.	5.2	11
27	Combustion of propanol isomers: Experimental and kinetic modeling study. Combustion and Flame, 2020, 218, 189-204.	5.2	20
28	Large eddy simulation of auto-ignition kernel development of transient methane jet in hot co-flow. Combustion and Flame, 2020, 215, 342-351.	5.2	11
29	Temperature dependence of the laminar burning velocity for n-heptane and iso-octane/air flames. Fuel, 2020, 276, 118007.	6.4	17
30	Revisiting diacetyl and acetic acid flames: The role of the keteneÂ+ÂOH reaction. Combustion and Flame, 2020, 218, 28-41.	5.2	13
31	Gasoline engine performance simulation of water injection and low-pressure exhaust gas recirculation using tabulated chemistry. International Journal of Engine Research, 2020, 21, 1857-1877.	2.3	19
32	Data Consistency of the Burning Velocity Measurements Using the Heat Flux Method: Syngas Flames. Energy & Fuels, 2020, 34, 3725-3742.	5.1	10
33	The temperature dependence of the laminar burning velocity and superadiabatic flame temperature phenomenon for NH3/air flames. Combustion and Flame, 2020, 217, 314-320.	5.2	81
34	Small ester combustion chemistry: Computational kinetics and experimental study of methyl acetate and ethyl acetate. Proceedings of the Combustion Institute, 2019, 37, 419-428.	3.9	45
35	Chemical insights into the larger sooting tendency of 2-methyl-2-butene compared to n-pentane. Combustion and Flame, 2019, 208, 182-197.	5.2	13
36	Experimental and modelling study of laminar burning velocity of aqueous ethanol. Fuel, 2019, 257, 116069.	6.4	10

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37	Chemical mechanism development and reduction for combustion of NH3/H2/CH4 mixtures. Fuel, 2019, 257, 116059.	6.4	151
38	Multi-objective optimization of water injection in spark-ignition engines using the stochastic reactor model with tabulated chemistry. International Journal of Engine Research, 2019, 20, 1089-1100.	2.3	14
39	Laminar burning velocities of surrogate components blended with ethanol. Combustion and Flame, 2019, 209, 389-393.	5.2	8
40	Over-rich combustion of CH4, C2H6, and C3H8 +air premixed flames investigated by the heat flux method and kinetic modeling. Combustion and Flame, 2019, 210, 339-349.	5.2	23
41	Investigation of influence of detailed chemical kinetics mechanisms for hydrogen on supersonic combustion using large eddy simulation. International Journal of Hydrogen Energy, 2019, 44, 5007-5019.	7.1	35
42	Effect of natural gas composition on the laminar burning velocities at elevated temperatures. Fuel, 2019, 253, 904-909.	6.4	14
43	Kinetic Modeling of NO<i>_x</i> Formation and Consumption during Methanol and Ethanol Oxidation. Combustion Science and Technology, 2019, 191, 1627-1659.	2.3	33
44	Comparative analysis of detailed and reduced kinetic models for CH4â€‰+â€‰H2 combustion. Fuel, 2019, 246, 244-258.	6.4	19
45	Yet another kinetic mechanism for hydrogen combustion. Combustion and Flame, 2019, 203, 14-22.	5.2	116
46	Development of skeletal chemical mechanisms with coupled species sensitivity analysis method. Journal of Zhejiang University: Science A, 2019, 20, 908-917.	2.4	0
47	Experimental Study and a Short Kinetic Model for High-Temperature Oxidation of Methyl Methacrylate. Combustion Science and Technology, 2019, 191, 1789-1814.	2.3	21
48	Experimental and kinetic modeling study of para-xylene chemistry in laminar premixed flames. Fuel, 2019, 239, 814-829.	6.4	10
49	Mechanism and rate constants of the CH 2 + CH 2 CO reactions in triplet and singlet states: A theoretical study. Journal of Computational Chemistry, 2019, 40, 387-399.	3.3	12
50	Parametrization of the temperature dependence of laminar burning velocity for methane and ethane flames. Fuel, 2019, 239, 1028-1037.	6.4	57
51	Skeletal Kinetic Mechanism Generation and Uncertainty Analysis for Combustion of Iso-octane at High Temperatures. Energy & Fuels, 2018, 32, 3842-3850.	5.1	14
52	Mechanism and Rate Constants of the CH₃+ CH₂CO Reaction: A Theoretical Study. International Journal of Chemical Kinetics, 2018, 50, 273-284.	1.6	23
53	Experimental studies of nitromethane flames and evaluation of kinetic mechanisms. Combustion and Flame, 2018, 190, 327-336.	5.2	21
54	Data consistency of the burning velocity measurements using the heat flux method: Hydrogen flames. Combustion and Flame, 2018, 194, 28-36.	5.2	30

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55	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
56	Three-dimensional computational fluid dynamics engine knock prediction and evaluation based on detailed chemistry and detonation theory. International Journal of Engine Research, 2018, 19, 33-44.	2.3	31
57	Formation of NO and NH in NH3-doped CH4â€¯+â€¯N2â€¯+â€¯O2 flame: Experiments and modelling. Combustion and Flame, 2018, 194, 278-284.	5.2	16
58	A comprehensive review of measurements and data analysis of laminar burning velocities for various fuel+air mixtures. Progress in Energy and Combustion Science, 2018, 68, 197-267.	31.2	329
59	An experimental and kinetic study of propanal oxidation. Combustion and Flame, 2018, 197, 11-21.	5.2	35
60	Laminar burning velocities of methylcyclohexaneâ€¯+â€¯air flames at room and elevated temperatures: A comparative study. Combustion and Flame, 2018, 196, 99-107.	5.2	21
61	Detailed Kinetic Mechanism for the Oxidation of Ammonia Including the Formation and Reduction of Nitrogen Oxides. Energy & Fuels, 2018, 32, 10202-10217.	5.1	220
62	Laminar burning velocity of diacetylÂ+Âair flames. Further assessment of combustion chemistry of ketene. Combustion and Flame, 2017, 178, 97-110.	5.2	33
63	Systematic Reduction of Detailed Chemical Reaction Mechanisms for Engine Applications. Journal of Engineering for Gas Turbines and Power, 2017, 139, .	1.1	21
64	The comparative and combined effects of hydrogen addition on the laminar burning velocities of methane and its blends with ethane and propane. Fuel, 2017, 189, 369-376.	6.4	87
65	Strategy for improved NH 2 detection in combustion environments using an Alexandrite laser. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2017, 184, 235-242.	3.9	17
66	Laminar burning velocities of n-decane and binary kerosene surrogate mixture. Fuel, 2017, 187, 429-434.	6.4	39
67	Quantitative picosecond laser-induced fluorescence measurements of nitric oxide in flames. Proceedings of the Combustion Institute, 2017, 36, 4533-4540.	3.9	10
68	Laminar burning velocities of benzene + air flames at room and elevated temperatures. Fuel, 2016, 175, 302-309.	6.4	20
69	A Systematically Updated Detailed Kinetic Model for CH₂O and CH₃OH Combustion. Energy & Fuels, 2016, 30, 6709-6726.	5.1	25
70	An experimental and modeling study of nitromethane + O 2 + N 2 ignition in a shock tube. Fuel, 2016, 186, 629-638.	6.4	23
71	Experimental and modelling study of 1CH2 in premixed very rich methane flames. Combustion and Flame, 2016, 171, 198-210.	5.2	37
72	Laminar burning velocity of acetic acid + air flames. Combustion and Flame, 2016, 170, 12-29.	5.2	45

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73	Experimental and modelling study of the effect of elevated pressure on ethane and propane flames. Fuel, 2016, 166, 410-418.	6.4	44
74	Role of HOCO Chemistry in Syngas Combustion. Energy & Fuels, 2016, 30, 2443-2457.	5.1	19
75	Structure of premixed ammoniaÂ+Âair flames at atmospheric pressure: Laser diagnostics and kinetic modeling. Combustion and Flame, 2016, 163, 370-381.	5.2	83
76	1-hexene autoignition control by prior reaction with ozone. Fuel Processing Technology, 2016, 145, 90-95.	7.2	5
77	Experimental Uncertainties of the Heat Flux Method for Measuring Burning Velocities. Combustion Science and Technology, 2016, 188, 853-894.	2.3	95
78	Intracavity Laser Absorption Spectroscopy Study of HCO Radicals during Methane to Hydrogen Conversion in Very Rich Flames. Energy & Fuels, 2015, 29, 6146-6154.	5.1	5
79	Fiber Laser Intracavity Spectroscopy of hot water for temperature and concentration measurements. Applied Physics B: Lasers and Optics, 2015, 121, 345-351.	2.2	4
80	Experimental and modeling study of the effect of elevated pressure on lean high-hydrogen syngas flames. Proceedings of the Combustion Institute, 2015, 35, 655-662.	3.9	42
81	An experimental and modeling study of propene oxidation. Part 2: Ignition delay time and flame speed measurements. Combustion and Flame, 2015, 162, 296-314.	5.2	270
82	Kinetics of premixed acetaldehyde + air flames. Proceedings of the Combustion Institute, 2015, 35, 499-506.	3.9	23
83	Comprehensive kinetic modeling and experimental study of a fuel-rich, premixed n-heptane flame. Combustion and Flame, 2015, 162, 2045-2058.	5.2	107
84	Performance of methanol kinetic mechanisms at oxy-fuel conditions. Combustion and Flame, 2015, 162, 1719-1728.	5.2	19
85	The effect of temperature on the adiabatic burning velocities of diluted hydrogen flames: A kinetic study using an updated mechanism. Combustion and Flame, 2015, 162, 1884-1898.	5.2	110
86	On the role of excited species in hydrogen combustion. Combustion and Flame, 2015, 162, 3755-3772.	5.2	63
87	The temperature dependence of the laminar burning velocities of methyl formate + air flames. Fuel, 2015, 157, 162-170.	6.4	24
88	Laminar premixed flat non-stretched lean flames of hydrogen in air. Combustion and Flame, 2015, 162, 4063-4074.	5.2	33
89	Laminar burning velocity of nitromethaneÂ+Âair flames: A comparison of flat and spherical flames. Combustion and Flame, 2015, 162, 3803-3809.	5.2	27
90	Numerical Simulations of Flat Laminar Premixed Methane-Air Flames at Elevated Pressure. Combustion Science and Technology, 2014, 186, 1447-1459.	2.3	13

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91	Hexadecane mechanisms: Comparison of hand-generated and automatically generated with pathways. Fuel, 2014, 115, 132-144.	6.4	9
92	Laminar burning velocity of gasolines with addition of ethanol. Fuel, 2014, 115, 162-169.	6.4	248
93	Laminar burning velocity of lean H2â€"CO mixtures at elevated pressure using the heat flux method. International Journal of Hydrogen Energy, 2014, 39, 1485-1498.	7.1	58
94	Laminar burning velocities of rich near-limiting flames of hydrogen. International Journal of Hydrogen Energy, 2014, 39, 1874-1881.	7.1	19
95	Laminar burning velocities of primary reference fuels and simple alcohols. Fuel, 2014, 115, 32-40.	6.4	116
96	OH*-chemiluminescence during autoignition of hydrogen with air in a pressurised turbulent flow reactor. International Journal of Hydrogen Energy, 2014, 39, 12166-12181.	7.1	22
97	Autoignition of Dimethyl Ether and Air in an Optical Flow-Reactor. Energy & Fuels, 2014, 28, 4130-4138.	5.1	9
98	The effect of elevated pressures on the laminar burning velocity of methane + air mixtures. Combustion and Flame, 2013, 160, 1627-1635.	5.2	149
99	Onset of cellular flame instability in adiabatic CH4/O2/CO2 and CH4/air laminar premixed flames stabilized on a flat-flame burner. Combustion and Flame, 2013, 160, 1276-1286.	5.2	44
100	Visualisation of propane autoignition in a turbulent flow reactor using OH* chemiluminescence imaging. Combustion and Flame, 2013, 160, 1033-1043.	5.2	13
101	Laminar Burning Velocities of Dimethyl Carbonate with Air. Energy & Fuels, 2013, 27, 5513-5517.	5.1	42
102	Modeling Ozone Decomposition Flames. Energy & Fuels, 2013, 27, 501-506.	5.1	9
103	2D effects in laminar premixed flames stabilized on a flat flame burner. Experimental Thermal and Fluid Science, 2013, 47, 213-223.	2.7	25
104	Laminar burning velocity of gasoline and the gasoline surrogate components iso-octane, n-heptane and toluene. Fuel, 2013, 112, 355-365.	6.4	218
105	Laminar burning velocities of acetone in air at room and elevated temperatures. Fuel, 2013, 105, 496-502.	6.4	24
106	The effects of dilution with nitrogen and steam on the laminar burning velocity of methanol at room and elevated temperatures. Fuel, 2013, 105, 732-738.	6.4	33
107	Measurements of NO concentration in NH3-doped CH4+air flames using saturated laser-induced fluorescence and probe sampling. Combustion and Flame, 2013, 160, 40-46.	5.2	50
108	Prompt NO formation in flames: The influence of NCN thermochemistry. Proceedings of the Combustion Institute, 2013, 34, 657-666.	3.9	31

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109	Flame Studies of Oxygenates. Green Energy and Technology, 2013, , 231-280.	0.6	4
110	The Comparative and Combined Effects of Nitric Oxide and Higher Alkanes in Sensitizing Methane Oxidation. Combustion Science and Technology, 2012, 184, 114-132.	2.3	9
111	Temperature Dependence of the Laminar Burning Velocity of Methanol Flames. Energy & Fuels, 2012, 26, 1557-1564.	5.1	66
112	Oxy-fuel Combustion of Ethanol in Premixed Flames. Energy & Fuels, 2012, 26, 4269-4276.	5.1	12
113	Validation and analysis of detailed kinetic models for ethylene combustion. Energy, 2012, 43, 19-29.	8.8	63
114	Investigation of combustion enhancement by ozone additive in CH4/air flames using direct laminar burning velocity measurements and kinetic simulations. Combustion and Flame, 2012, 159, 120-129.	5.2	119
115	Measurements of Laminar Flame Velocity for Components of Natural Gas. Energy & Fuels, 2011, 25, 3875-3884.	5.1	181
116	Experimental Study of Local Axial Mixing in a Pilot-Scale Cold Burner. Industrial & Engineering Chemistry Research, 2011, 50, 1070-1078.	3.7	0
117	Laminar Flame Velocity of Components of Natural Gas. , 2011, , .		2
118	Photofragmentation laser-induced fluorescence imaging in premixed flames. Combustion and Flame, 2011, 158, 1908-1919.	5.2	29
119	Quantitative HCN measurements in CH4/N2O/O2/N2 flames using mid-infrared polarization spectroscopy. Combustion and Flame, 2011, 158, 1898-1904.	5.2	19
120	NCN concentration and interfering absorption by CH2O, NH and OH in low pressure methane/air flames with and without N2O. Combustion and Flame, 2011, 158, 2090-2104.	5.2	3
121	The temperature dependence of the laminar burning velocity of ethanol flames. Proceedings of the Combustion Institute, 2011, 33, 1011-1019.	3.9	99
122	Laminar burning velocities of n-heptane, iso-octane, ethanol and their binary and tertiary mixtures. Fuel, 2011, 90, 2773-2781.	6.4	202
123	Experimental and modeling study of laminar burning velocity of biomass derived gases/air mixtures. International Journal of Hydrogen Energy, 2011, 36, 3769-3777.	7.1	73
124	The differentiated effect of NO and NO2 in promoting methane oxidation. Proceedings of the Combustion Institute, 2011, 33, 441-447.	3.9	29
125	Accurate measurements of laminar burning velocity using the Heat Flux method and thermographic phosphor technique. Proceedings of the Combustion Institute, 2011, 33, 939-946.	3.9	18
126	Formation and consumption of NO in H2+O2+N2 flames doped with NO or NH3 at atmospheric pressure. Combustion and Flame, 2010, 157, 556-565.	5.2	57

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127	Effects of temperature and composition on the laminar burning velocity of CH4+ H2+ O2+ N2 flames. Fuel, 2010, 89, 114-121.	6.4	98
128	Adiabatic laminar burning velocities of CH4+H2+air flames at low pressures. Fuel, 2010, 89, 1392-1396.	6.4	43
129	The effect of temperature on the adiabatic laminar burning velocities of CH4â^’air and H2â^’air flames. Fuel, 2010, 89, 2211-2216.	6.4	51
130	Laminar burning velocities of three C3H6O isomers at atmospheric pressure. Fuel, 2010, 89, 2864-2872.	6.4	57
131	Formation and Destruction of Nitric Oxide in NO Doped Premixed Flames of C₂H₄, C₂H₆, and C₃H₈ at Atmospheric Pressure. Energy & Fuels, 2010, 24, 4833-4840.	5.1	10
132	The effect of a DC electric field on the laminar burning velocity of premixed methane/air flames. Proceedings of the Combustion Institute, 2009, 32, 1237-1244.	3.9	63
133	Kinetics and mechanism of chemical reactions in the H2/O2/N2 flame at atmospheric pressure. Kinetics and Catalysis, 2009, 50, 156-161.	1.0	21
134	Formation and destruction of nitric oxide in methane flames doped with NO at atmospheric pressure. Proceedings of the Combustion Institute, 2009, 32, 327-334.	3.9	28
135	Nitrous oxide conversion in laminar premixed flames of CH4+O2+Ar. Proceedings of the Combustion Institute, 2009, 32, 319-326.	3.9	18
136	Implementation of the NCN pathway of prompt-NO formation in the detailed reaction mechanism. Combustion and Flame, 2009, 156, 2093-2105.	5.2	471
137	Remaining uncertainties in the kinetic mechanism of hydrogen combustion. Combustion and Flame, 2008, 152, 507-528.	5.2	284
138	On the role of C2O radicals in the prompt-NO mechanism. Combustion, Explosion and Shock Waves, 2008, 44, 497-501.	0.8	6
139	The effects of composition on the burning velocity and NO formation in premixed flames of C2H4+O2+N2. Experimental Thermal and Fluid Science, 2008, 32, 1412-1420.	2.7	22
140	The effects of enrichment by H2 on propagation speeds in adiabatic flat and cellular premixed flames of CH4+O2+CO2. Fuel, 2008, 87, 2866-2870.	6.4	26
141	The Effects of Enrichment by Carbon Monoxide on Adiabatic Burning Velocity and Nitric Oxide Formation in Methane Flames. Combustion Science and Technology, 2008, 181, 117-135.	2.3	17
142	A Comparison Between the Combustion of Natural Gas and Partially Reformed Natural Gas in an Atmospheric Lean Premixed Turbine-Type Combustor. Combustion Science and Technology, 2008, 180, 1478-1501.	2.3	7
143	EXPERIMENTAL STUDY OF ADIABATIC CELLULAR PREMIXED FLAMES OF METHANE (ETHANE,) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T	2.3	34
144	Laminar Burning Velocities of Diluted Hydrogenâ^’Oxygenâ^’Nitrogen Mixtures. Energy & Fuels, 2007, 21, 1977-1981.	5.1	58

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145	To Better Understand the Formation of Short-Chain Acids in Combustion Systems. Combustion Science and Technology, 2007, 180, 343-370.	2.3	33
146	Effects of hydrogen enrichment on adiabatic burning velocity and NO formation in methane+air flames. Experimental Thermal and Fluid Science, 2007, 31, 437-444.	2.7	115
147	Probe sampling measurements and modeling of nitric oxide formation in ethane+air flames. Fuel, 2007, 86, 98-105.	6.4	36
148	The effects of composition on burning velocity and nitric oxide formation in laminar premixed flames of CH4 + H2 + O2 + N2. Combustion and Flame, 2007, 149, 409-417.	5.2	161
149	PROBE SAMPLING MEASUREMENTS OF NO IN CH4+O2+N2FLAMES DOPED WITH NH3. Combustion Science and Technology, 2006, 178, 1143-1164.	2.3	21
150	The effect of NO and NO2 on the partial oxidation of methane: experiments and modeling. Proceedings of the Combustion Institute, 2005, 30, 1093-1100.	3.9	38
151	Modeling the formation of precursors of dioxins during combustion of woody fuel volatiles. Fuel, 2005, 84, 323-334.	6.4	24
152	Measurement of propagation speeds in adiabatic cellular premixed flames of CH4+O2+CO2. Experimental Thermal and Fluid Science, 2005, 29, 901-907.	2.7	67
153	Surrogate compounds for dioxins in incineration. A review. Waste Management, 2005, 25, 755-765.	7.4	44
154	The pseudo-catalytic promotion of nitric oxide oxidation by ethane at low temperatures. Combustion and Flame, 2005, 141, 191-199.	5.2	36
155	Model of Cellular Instability of Flames of Ternary Mixtures. Combustion, Explosion and Shock Waves, 2005, 41, 496-503.	0.8	3
156	Measurement of propagation speeds in adiabatic flat and cellular premixed flames of C2H6+O2+CO2. Combustion and Flame, 2004, 136, 371-376.	5.2	46
157	Dioxin levels in wood combustionâ€"a review. Biomass and Bioenergy, 2004, 26, 115-145.	5.7	168
158	NONCATALYTIC PARTIAL OXIDATION OF METHANE INTO SYNGAS OVER A WIDE TEMPERATURE RANGE. Combustion Science and Technology, 2004, 176, 1093-1116.	2.3	33
159	On the relative importance of different routes forming NO in hydrogen flames. Combustion and Flame, 2003, 134, 421-424.	5.2	37
160	Measurement of adiabatic burning velocity in ethaneâ€"oxygenâ€"nitrogen and in ethaneâ€"oxygenâ€"argon mixtures. Experimental Thermal and Fluid Science, 2003, 27, 379-384.	2.7	38
161	Nitric oxide formation in premixed flames of H2+CO+CO2 and air. Proceedings of the Combustion Institute, 2002, 29, 2171-2177.	3.9	40
162	MEASUREMENT OF ADIABATIC BURNING VELOCITY IN METHANE-OXYGEN-NITROGEN MIXTURES. Combustion Science and Technology, 2001, 172, 81-96.	2.3	102

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163	PROBE SAMPLING MEASUREMENTS AND MODELING OF NITRIC OXIDE FORMATION IN METHANE-AIR FLAMES. Combustion Science and Technology, 2001, 169, 127-153.	2.3	51
164	A POSSIBLE NEW ROUTE FOR NO FORMATION VIAN2H3. Combustion Science and Technology, 2001, 168, 1-46.	2.3	65
165	Kinetic modeling of the decomposition and flames of hydrazine. Combustion and Flame, 2001, 124, 106-126.	5.2	115
166	Temperature-dependent rate constant for the reaction NNH + O â†' NH + NO. Combustion and Flame, 2001, 125, 1258-1264.	5.2	49
167	NO formation rates for hydrogen combustion in stirred reactors. Fuel, 2001, 80, 49-65.	6.4	67
168	The new route forming NO via NNH. Combustion and Flame, 2000, 121, 548-550.	5.2	43
169	Kinetic Modeling of the Thermal Decomposition of Ammonia. Combustion Science and Technology, 2000, 152, 23-37.	2.3	91
170	Kinetic Modeling of Nitrogen Oxides Decomposition at Flame Temperatures. Combustion Science and Technology, 1999, 149, 53-78.	2.3	19
171	Experimental study of extinction of nonadiabatic counterflow premixed flames. Combustion and Flame, 1996, 105, 308-320.	5.2	9
172	Radical concentrations and temperature oscillations in cool flame oxidation of butane. Reaction Kinetics and Catalysis Letters, 1990, 41, 265-270.	0.6	1
173	Engine Knock Prediction and Evaluation Based on Detonation Theory Using a Quasi-Dimensional Stochastic Reactor Model. , 0, , .		14
174	Numerical Analysis of the Impact of Water Injection on Combustion and Thermodynamics in a Gasoline Engine Using Detailed Chemistry. SAE International Journal of Engines, 0, 11, 1151-1166.	0.4	39
175	Comparison of Kinetic Mechanisms for Numerical Simulation of Methanol Combustion in DICI Heavy-Duty Engine. , 0, , .		2