

Alessio Frassoldati

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7307076/publications.pdf>

Version: 2024-02-01

135
papers

9,426
citations

34105

52
h-index

40979

93
g-index

138
all docs

138
docs citations

138
times ranked

4836
citing authors

#	ARTICLE	IF	CITATIONS
1	Dimethyl ether oxidation analyzed in a given flow reactor: Experimental and modeling uncertainties. <i>Combustion and Flame</i> , 2022, 240, 111998.	5.2	13
2	Theoretical and kinetic modeling study of chloromethane (CH ₃ Cl) pyrolysis and oxidation. <i>International Journal of Chemical Kinetics</i> , 2021, 53, 403-418.	1.6	2
3	On the combustion and sooting behavior of standard and hydro-treated jet fuels: An experimental and modeling study on the compositional effects. <i>Proceedings of the Combustion Institute</i> , 2021, 38, 523-532.	3.9	12
4	Interface-resolved simulation of the evaporation and combustion of a fuel droplet suspended in normal gravity. <i>Fuel</i> , 2021, 287, 119413.	6.4	7
5	Kinetic Modeling of the Ignition of Droplets of Fast Pyrolysis Bio-oil: Effect of Initial Diameter and Fuel Composition. <i>Industrial & Engineering Chemistry Research</i> , 2021, 60, 6719-6729.	3.7	2
6	Simulating combustion of a seven-component surrogate for a gasoline/ethanol blend including soot formation and comparison with experiments. <i>Fuel</i> , 2021, 288, 119451.	6.4	24
7	Carrier-phase DNS of detailed NO _x formation in early-stage pulverized coal combustion with fuel-bound nitrogen. <i>Fuel</i> , 2021, 291, 119998.	6.4	13
8	The chemistry of chemical recycling of solid plastic waste via pyrolysis and gasification: State-of-the-art, challenges, and future directions. <i>Progress in Energy and Combustion Science</i> , 2021, 84, 100901.	31.2	297
9	Chemical Kinetics of Asphaltene Pyrolysis. <i>Energy & Fuels</i> , 2021, 35, 8672-8684.	5.1	6
10	OptiSMOKE++: A toolbox for optimization of chemical kinetic mechanisms. <i>Computer Physics Communications</i> , 2021, 264, 107940.	7.5	14
11	An evolutionary, data-driven approach for mechanism optimization: theory and application to ammonia combustion. <i>Combustion and Flame</i> , 2021, 229, 111366.	5.2	50
12	RESILIENCE AND EMERGENCY MANAGEMENT OF ROAD TUNNELS: THE CASE STUDY OF THE SAN ROCCO AND STONIO TUNNELS IN ITALY. <i>WIT Transactions on the Built Environment</i> , 2021, , .	0.0	3
13	Comprehensive kinetic study of combustion technologies for low environmental impact: MILD and OXY-fuel combustion of methane. <i>Combustion and Flame</i> , 2020, 212, 142-155.	5.2	139
14	The role of composition in the combustion of n-heptane/iso-butanol mixtures: experiments and detailed modelling. <i>Combustion Theory and Modelling</i> , 2020, 24, 1002-1020.	1.9	9
15	An experimental and kinetic modelling study of n-C ₄ C ₆ aldehydes oxidation in a jet-stirred reactor. <i>Proceedings of the Combustion Institute</i> , 2019, 37, 389-397.	3.9	21
16	Analysis of acetic acid gas phase reactivity: Rate constant estimation and kinetic simulations. <i>Proceedings of the Combustion Institute</i> , 2019, 37, 539-546.	3.9	42
17	An experimental and CFD modeling study of suspended droplets evaporation in buoyancy driven convection. <i>Chemical Engineering Journal</i> , 2019, 375, 122006.	12.7	16
18	Prediction of flammable range for pure fuels and mixtures using detailed kinetics. <i>Combustion and Flame</i> , 2019, 207, 120-133.	5.2	27

#	ARTICLE	IF	CITATIONS
19	Detailed kinetics of substituted phenolic species in pyrolysis bio-oils. <i>Reaction Chemistry and Engineering</i> , 2019, 4, 490-506.	3.7	63
20	A first evaluation of butanoic and pentanoic acid oxidation kinetics. <i>Chemical Engineering Journal</i> , 2019, 373, 973-984.	12.7	27
21	Buoyancy effect in sooting laminar premixed ethylene flame. <i>Combustion and Flame</i> , 2019, 205, 135-146.	5.2	18
22	Modeling of Thermochemical Conversion of Biomasses. , 2019, , .		6
23	Examination of a soot model in premixed laminar flames at fuel-rich conditions. <i>Proceedings of the Combustion Institute</i> , 2019, 37, 1013-1021.	3.9	109
24	Experimental and computational investigation of autoignition of jet fuels and surrogates in nonpremixed flows at elevated pressures. <i>Proceedings of the Combustion Institute</i> , 2019, 37, 1605-1614.	3.9	7
25	Soot Modeling of Ethylene Counterflow Diffusion Flames. <i>Combustion Science and Technology</i> , 2019, 191, 1473-1483.	2.3	18
26	Fully-resolved simulations of coal particle combustion using a detailed multi-step approach for heterogeneous kinetics. <i>Fuel</i> , 2019, 240, 75-83.	6.4	40
27	DropletSMOKE++: A comprehensive multiphase CFD framework for the evaporation of multidimensional fuel droplets. <i>International Journal of Heat and Mass Transfer</i> , 2019, 131, 836-853.	4.8	20
28	Numerical investigation of soot formation from microgravity droplet combustion using heterogeneous chemistry. <i>Combustion and Flame</i> , 2018, 189, 393-406.	5.2	19
29	A Model Investigation of Fuel and Operating Regime Impact on Homogeneous Charge Compression Ignition Engine Performance. <i>Energy & Fuels</i> , 2018, 32, 2282-2298.	5.1	4
30	The influence of low-temperature chemistry on partially-premixed counterflow n-heptane/air flames. <i>Combustion and Flame</i> , 2018, 188, 440-452.	5.2	10
31	A predictive model of biochar formation and characterization. <i>Journal of Analytical and Applied Pyrolysis</i> , 2018, 134, 326-335.	5.5	69
32	Kinetic modeling of soot formation in premixed burner-stabilized stagnation ethylene flames at heavily sooting condition. <i>Fuel</i> , 2018, 234, 199-206.	6.4	32
33	Optimization of Chemical Kinetics for Methane and Biomass Pyrolysis Products in Moderate or Intense Low-Oxygen Dilution Combustion. <i>Energy & Fuels</i> , 2018, 32, 10194-10201.	5.1	15
34	Mathematical Modeling of Fast Biomass Pyrolysis and Bio-Oil Formation. Note I: Kinetic Mechanism of Biomass Pyrolysis. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 2867-2881.	6.7	154
35	Mathematical Modeling of Fast Biomass Pyrolysis and Bio-Oil Formation. Note II: Secondary Gas-Phase Reactions and Bio-Oil Formation. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 2882-2896.	6.7	79
36	Effects of oxidant stream composition on non-premixed laminar flames with heated and diluted coflows. <i>Combustion and Flame</i> , 2017, 178, 297-310.	5.2	18

#	ARTICLE	IF	CITATIONS
37	A computational framework for the pyrolysis of anisotropic biomass particles. Chemical Engineering Journal, 2017, 321, 458-473.	12.7	55
38	Algae characterization and multistep pyrolysis mechanism. Journal of Analytical and Applied Pyrolysis, 2017, 128, 423-436.	5.5	80
39	Flame extinction and low-temperature combustion of isolated fuel droplets of n-alkanes. Proceedings of the Combustion Institute, 2017, 36, 2531-2539.	3.9	21
40	Skeletal kinetic mechanism for diesel combustion. Combustion Theory and Modelling, 2017, 21, 79-92.	1.9	8
41	Alkyl radicals rule the low temperature oxidation of long chain aldehydes. Proceedings of the Combustion Institute, 2017, 36, 393-401.	3.9	28
42	Detailed kinetic mechanism of gas-phase reactions of volatiles released from biomass pyrolysis. Biomass and Bioenergy, 2016, 93, 60-71.	5.7	73
43	A new predictive multi-zone model for HCCI engine combustion. Applied Energy, 2016, 178, 826-843.	10.1	35
44	An experimental and kinetic modeling study of glycerol pyrolysis. Applied Energy, 2016, 184, 68-76.	10.1	45
45	Autoignition of condensed hydrocarbon fuels in non-premixed flows at elevated pressures. Combustion Theory and Modelling, 2016, 20, 995-1009.	1.9	3
46	Ignition Characteristics in Spatially Zero-, One- and Two-Dimensional Laminar Ethylene Flames. AIAA Journal, 2016, 54, 3255-3264.	2.6	11
47	Resolved flow simulation of pulverized coal particle devolatilization and ignition in air- and O ₂ /CO ₂ -atmospheres. Fuel, 2016, 186, 285-292.	6.4	59
48	Relative Reactivity of Oxygenated Fuels: Alcohols, Aldehydes, Ketones, and Methyl Esters. Energy & Fuels, 2016, 30, 8665-8679.	5.1	38
49	Probe effects in soot sampling from a burner-stabilized stagnation flame. Combustion and Flame, 2016, 167, 184-197.	5.2	45
50	Curve matching, a generalized framework for models/experiments comparison: An application to n-heptane combustion kinetic mechanisms. Combustion and Flame, 2016, 168, 186-203.	5.2	23
51	Laminar flame speeds of pentanol isomers: An experimental and modeling study. Combustion and Flame, 2016, 166, 1-18.	5.2	51
52	Experimental and modeling investigation of the effect of the unsaturation degree on the gas-phase oxidation of fatty acid methyl esters found in biodiesel fuels. Combustion and Flame, 2016, 164, 346-362.	5.2	42
53	Skeletal mechanism reduction through species-targeted sensitivity analysis. Combustion and Flame, 2016, 163, 382-393.	5.2	150
54	Numerical modeling of auto-ignition of isolated fuel droplets in microgravity. Proceedings of the Combustion Institute, 2015, 35, 1621-1627.	3.9	46

#	ARTICLE	IF	CITATIONS
55	Kinetic modeling study of benzene and PAH formation in laminar methane flames. <i>Combustion and Flame</i> , 2015, 162, 1692-1711.	5.2	67
56	Experimental and kinetic modeling study of laminar coflow diffusion methane flames doped with 2-butanol. <i>Proceedings of the Combustion Institute</i> , 2015, 35, 863-871.	3.9	20
57	OpenSMOKE++: An object-oriented framework for the numerical modeling of reactive systems with detailed kinetic mechanisms. <i>Computer Physics Communications</i> , 2015, 192, 237-264.	7.5	324
58	Modeling soot formation in premixed flames using an Extended Conditional Quadrature Method of Moments. <i>Combustion and Flame</i> , 2015, 162, 2529-2543.	5.2	62
59	New reaction classes in the kinetic modeling of low temperature oxidation of n-alkanes. <i>Combustion and Flame</i> , 2015, 162, 1679-1691.	5.2	214
60	High-temperature chemistry of HCl and Cl ₂ . <i>Combustion and Flame</i> , 2015, 162, 2693-2704.	5.2	41
61	Ignition Characteristics in Spatially Zero-, One- and Two-Dimensional Laminar Ethylene Flames. , 2015, , .		0
62	Extractives Extend the Applicability of Multistep Kinetic Scheme of Biomass Pyrolysis. <i>Energy & Fuels</i> , 2015, 29, 6544-6555.	5.1	118
63	Kinetic modeling of particle size distribution of soot in a premixed burner-stabilized stagnation ethylene flame. <i>Combustion and Flame</i> , 2015, 162, 3356-3369.	5.2	169
64	Reduced kinetic mechanisms of diesel fuel surrogate for engine CFD simulations. <i>Combustion and Flame</i> , 2015, 162, 3991-4007.	5.2	73
65	An experimental and kinetic modeling study of the pyrolysis and oxidation of n-C ₃ C ₅ aldehydes in shock tubes. <i>Combustion and Flame</i> , 2015, 162, 265-286.	5.2	59
66	Detailed Emissions Prediction for a Turbulent Swirling Nonpremixed Flame. <i>Energy & Fuels</i> , 2014, 28, 1470-1488.	5.1	17
67	Reduced Kinetic Schemes of Complex Reaction Systems: Fossil and Biomass-Derived Transportation Fuels. <i>International Journal of Chemical Kinetics</i> , 2014, 46, 512-542.	1.6	401
68	Kinetic Modeling Study of Polycyclic Aromatic Hydrocarbons and Soot Formation in Acetylene Pyrolysis. <i>Energy & Fuels</i> , 2014, 28, 1489-1501.	5.1	70
69	Improved Kinetic Model of the Low-Temperature Oxidation of n-Heptane. <i>Energy & Fuels</i> , 2014, 28, 7178-7193.	5.1	102
70	Experimental and kinetic modeling study of PAH formation in methane coflow diffusion flames doped with n-butanol. <i>Combustion and Flame</i> , 2014, 161, 657-670.	5.2	40
71	Pyrolysis of Centimeter-Scale Woody Biomass Particles: Kinetic Modeling and Experimental Validation. <i>Energy & Fuels</i> , 2014, 28, 3884-3898.	5.1	116
72	A fully coupled, parallel approach for the post-processing of CFD data through reactor network analysis. <i>Computers and Chemical Engineering</i> , 2014, 60, 197-212.	3.8	21

#	ARTICLE	IF	CITATIONS
73	Lumping and Reduction of Detailed Kinetic Schemes: an Effective Coupling. <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 9004-9016.	3.7	102
74	An experimental and kinetic modeling study of cyclopentadiene pyrolysis: First growth of polycyclic aromatic hydrocarbons. <i>Combustion and Flame</i> , 2014, 161, 2739-2751.	5.2	75
75	Multi-scale modeling of Claus thermal furnace and waste heat boiler using detailed kinetics. <i>Computers and Chemical Engineering</i> , 2013, 59, 219-225.	3.8	35
76	Extinction of laminar, premixed, counter-flow methane/air flames under unsteady conditions: Effect of H ₂ addition. <i>Chemical Engineering Science</i> , 2013, 93, 266-276.	3.8	18
77	Numerical Modeling of Laminar Flames with Detailed Kinetics Based on the Operator-Splitting Method. <i>Energy & Fuels</i> , 2013, 27, 7730-7753.	5.1	100
78	Experimental Study of Tetralin Oxidation and Kinetic Modeling of Its Pyrolysis and Oxidation. <i>Energy & Fuels</i> , 2013, 27, 1576-1585.	5.1	24
79	Experimental and detailed kinetic modeling study of PAH formation in laminar co-flow methane diffusion flames. <i>Proceedings of the Combustion Institute</i> , 2013, 34, 1811-1818.	3.9	32
80	A lumped approach to the kinetic modeling of pyrolysis and combustion of biodiesel fuels. <i>Proceedings of the Combustion Institute</i> , 2013, 34, 427-434.	3.9	57
81	Experimental and semi-detailed kinetic modeling study of decalin oxidation and pyrolysis over a wide range of conditions. <i>Proceedings of the Combustion Institute</i> , 2013, 34, 289-296.	3.9	50
82	A wide range kinetic modeling study of pyrolysis and oxidation of benzene. <i>Combustion and Flame</i> , 2013, 160, 1168-1190.	5.2	111
83	Predictive one step kinetic model of coal pyrolysis for CFD applications. <i>Proceedings of the Combustion Institute</i> , 2013, 34, 2401-2410.	3.9	55
84	A computational tool for the detailed kinetic modeling of laminar flames: Application to C ₂ H ₄ /CH ₄ coflow flames. <i>Combustion and Flame</i> , 2013, 160, 870-886.	5.2	133
85	Numerical Modeling of NO _x Formation in Turbulent Flames Using a Kinetic Post-processing Technique. <i>Energy & Fuels</i> , 2013, 27, 1104-1122.	5.1	42
86	Kinetic and fluid dynamic modeling of ethylene jet flames in diluted and heated oxidant stream combustion conditions. <i>Applied Thermal Engineering</i> , 2013, 52, 538-554.	6.0	62
87	Multistep Kinetic Model of Biomass Pyrolysis. <i>Green Energy and Technology</i> , 2013, , 111-139.	0.6	6
88	Reactor network analysis of Claus furnace with detailed kinetics. <i>Computer Aided Chemical Engineering</i> , 2012, 30, 1007-1012.	0.5	4
89	A wide range kinetic modeling study of pyrolysis and oxidation of methyl butanoate and methyl decanoate. Note I: Lumped kinetic model of methyl butanoate and small methyl esters. <i>Energy</i> , 2012, 43, 124-139.	8.8	46
90	Detailed Multi-dimensional Study of Pollutant Formation in a Methane Diffusion Flame. <i>Energy & Fuels</i> , 2012, 26, 1598-1611.	5.1	33

#	ARTICLE	IF	CITATIONS
91	An Experimental and Kinetic Modeling Study of Pyrolysis and Combustion of Acetoneâ€“Butanolâ€“Ethanol (ABE) Mixtures. <i>Combustion Science and Technology</i> , 2012, 184, 942-955.	2.3	55
92	Analysis of Some Reaction Pathways Active during Cyclopentadiene Pyrolysis. <i>Journal of Physical Chemistry A</i> , 2012, 116, 3313-3324.	2.5	67
93	Inhibition of hydrogen oxidation by HBr and Br ₂ . <i>Combustion and Flame</i> , 2012, 159, 528-540.	5.2	31
94	A wide range kinetic modeling study of pyrolysis and oxidation of methyl butanoate and methyl decanoate â€“ Note II: Lumped kinetic model of decomposition and combustion of methyl esters up to methyl decanoate. <i>Combustion and Flame</i> , 2012, 159, 2280-2294.	5.2	43
95	Detailed kinetic modeling of the combustion of the four butanol isomers in premixed low-pressure flames. <i>Combustion and Flame</i> , 2012, 159, 2295-2311.	5.2	100
96	Hierarchical and comparative kinetic modeling of laminar flame speeds of hydrocarbon and oxygenated fuels. <i>Progress in Energy and Combustion Science</i> , 2012, 38, 468-501.	31.2	773
97	Experimental and kinetic modeling study of combustion of JP-8, its surrogates and components in laminar premixed flows. <i>Combustion Theory and Modelling</i> , 2011, 15, 569-583.	1.9	32
98	Kinetic modeling study of ethanol and dimethyl ether addition to premixed low-pressure propeneâ€“oxygenâ€“argon flames. <i>Combustion and Flame</i> , 2011, 158, 1264-1276.	5.2	50
99	Generalized Classes for Lower Levels of Supply Chain Management: Object-Oriented Approach. <i>Computer Aided Chemical Engineering</i> , 2010, 28, 139-144.	0.5	4
100	Fluid Dynamics and Detailed Kinetic Modeling of Pollutant Emissions From Lean Combustion Systems. , 2010, , .		0
101	Kinetic and fluid dynamics modeling of methane/hydrogen jet flames in diluted coflow. <i>Applied Thermal Engineering</i> , 2010, 30, 376-383.	6.0	125
102	Detailed kinetic modeling of the thermal degradation of lignins. <i>Biomass and Bioenergy</i> , 2010, 34, 290-301.	5.7	290
103	An experimental and kinetic modeling study of n-propanol and iso-propanol combustion. <i>Combustion and Flame</i> , 2010, 157, 2-16.	5.2	157
104	An experimental and kinetic modeling study of combustion of isomers of butanol. <i>Combustion and Flame</i> , 2010, 157, 2137-2154.	5.2	224
105	Detailed kinetics in the mathematical model of fixed bed gasifiers. <i>Computer Aided Chemical Engineering</i> , 2010, , 829-834.	0.5	2
106	Kinetic Modeling of the Oxidation of Ethanol and Gasoline Surrogate Mixtures. <i>Combustion Science and Technology</i> , 2010, 182, 653-667.	2.3	62
107	Formation of soot and nitrogen oxides in unsteady counterflow diffusion flames. <i>Combustion and Flame</i> , 2009, 156, 2010-2022.	5.2	80
108	Soot formation in unsteady counterflow diffusion flames. <i>Proceedings of the Combustion Institute</i> , 2009, 32, 1335-1342.	3.9	29

#	ARTICLE	IF	CITATIONS
109	Experimental and kinetic modeling study of combustion of gasoline, its surrogates and components in laminar non-premixed flows. Proceedings of the Combustion Institute, 2009, 32, 493-500.	3.9	77
110	The solution of very large non-linear algebraic systems. Computers and Chemical Engineering, 2009, 33, 1727-1734.	3.8	8
111	Lumped Kinetic Modeling of the Oxidation of Isocetane (2,2,4,4,6,8,8-Heptamethylnonane) in a Jet-Stirred Reactor (JSR). Energy & Fuels, 2009, 23, 5287-5289.	5.1	15
112	Experimental and Modeling Study of a Low NO _x Combustor for Aero-Engine Turbofan. Combustion Science and Technology, 2009, 181, 483-495.	2.3	18
113	Experimental and Kinetic Modeling Study of the Pyrolysis and Oxidation of Decalin. Energy & Fuels, 2009, 23, 1464-1472.	5.1	48
114	Dynamic analysis of oscillating flames. Computer Aided Chemical Engineering, 2009, , 749-753.	0.5	0
115	Robust and efficient numerical methods for the prediction of pollutants using detailed kinetics and fluid dynamics. Computer Aided Chemical Engineering, 2009, , 707-711.	0.5	1
116	Chemical Kinetics of Biomass Pyrolysis. Energy & Fuels, 2008, 22, 4292-4300.	5.1	568
117	Frequency Response of Counter Flow Diffusion Flames to Strain Rate Harmonic Oscillations. Combustion Science and Technology, 2008, 180, 767-784.	2.3	32
118	Kinetic Modeling of Soot Formation in Turbulent Nonpremixed Flames. Environmental Engineering Science, 2008, 25, 1407-1422.	1.6	17
119	Modeling Homogeneous Combustion in Bubbling Beds Burning Liquid Fuels. Journal of Energy Resources Technology, Transactions of the ASME, 2007, 129, 33-41.	2.3	6
120	The ignition, combustion and flame structure of carbon monoxide/hydrogen mixtures. Note 1: Detailed kinetic modeling of syngas combustion also in presence of nitrogen compounds. International Journal of Hydrogen Energy, 2007, 32, 3471-3485.	7.1	160
121	The ignition, combustion and flame structure of carbon monoxide/hydrogen mixtures. Note 2: Fluid dynamics and kinetic aspects of syngas combustion. International Journal of Hydrogen Energy, 2007, 32, 3486-3500.	7.1	74
122	Experimental and kinetic modeling study of combustion of JP-8, its surrogates and reference components in laminar nonpremixed flows. Proceedings of the Combustion Institute, 2007, 31, 393-400.	3.9	185
123	A wide range modeling study of NO _x formation and nitrogen chemistry in hydrogen combustion. International Journal of Hydrogen Energy, 2006, 31, 2310-2328.	7.1	93
124	Determination of $\langle \text{mmi:math altimg= s153.gif display= inline overflow= scroll} \rangle$ $\langle \text{xmlns:xocs= "http://www.elsevier.com/xml/xocs/dtd" xmlns:xs= "http://www.w3.org/2001/XMLSchema" xmlns:xsi= "http://www.w3.org/2001/XMLSchema-instance" xmlns= "http://www.elsevier.com/xml/ja/dtd" xmlns:ja= "http://www.elsevier.com/xml/ja/dtd" xmlns:mml= "http://www.w3.org/1998/Math/MathML" xmlns:tb= "http://www.elsevier.com/xml/common/table/dtd" xmlns:sb= "http://www.elsevier.com/xml/common/struct-bib/dtd" xmlns:ce= "http://www.elsevier.c} \rangle$	3.8	76
125	Concentrations of Nitric Oxide in Laminar Counterflow Methane/Air Diffusion Flames. Journal of Propulsion and Power, 2005, 21, 1019-1028.	2.2	16
126	Wide-Range Kinetic Modeling Study of the Pyrolysis, Partial Oxidation, and Combustion of Heavyn-Alkanes. Industrial & Engineering Chemistry Research, 2005, 44, 5170-5183.	3.7	253

#	ARTICLE	IF	CITATIONS
127	Kinetic modeling of the interactions between NO and hydrocarbons in the oxidation of hydrocarbons at low temperatures. Combustion and Flame, 2003, 132, 188-207.	5.2	243
128	Kinetic modeling of the interactions between NO and hydrocarbons at high temperature. Combustion and Flame, 2003, 135, 97-112.	5.2	141
129	Modeling Homogeneous Combustion in Bubbling Beds Burning Liquid Fuels. , 2003, , .		1
130	A new procedure for predicting NOx emissions from furnaces. Computers and Chemical Engineering, 2001, 25, 613-618.	3.8	63
131	A new procedure for predicting NOx emissions from furnaces. Computer Aided Chemical Engineering, 2000, 8, 859-864.	0.5	5
132	Reduced Kinetic Mechanisms for Diesel Spray Combustion Simulations. , 0, , .		10
133	Detailed Kinetic Analysis of HCCI Combustion Using a New Multi-Zone Model and CFD Simulations. SAE International Journal of Engines, 0, 6, 1594-1609.	0.4	15
134	A Kinetic Modelling Study of Alcohols Operating Regimes in a HCCI Engine. SAE International Journal of Engines, 0, 10, 2354-2370.	0.4	20
135	Modeling Non-Premixed Combustion Using Tabulated Kinetics and Different Flame Structure Assumptions. SAE International Journal of Engines, 0, 10, 593-607.	0.4	37