

# Peter Glarborg

## List of Publications by Citations

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279  
ext. papers

15,936  
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#	Paper	IF	Citations
274	Oxy-fuel combustion of solid fuels. <i>Progress in Energy and Combustion Science</i> , <b>2010</b> , 36, 581-625	33.6	819
273	Fuel nitrogen conversion in solid fuel fired systems. <i>Progress in Energy and Combustion Science</i> , <b>2003</b> , 29, 89-113	33.6	644
272	Modeling nitrogen chemistry in combustion. <i>Progress in Energy and Combustion Science</i> , <b>2018</b> , 67, 31-68	33.6	449
271	Kinetic Modeling of Hydrocarbon/Nitric Oxide Interactions in a Flow Reactor. <i>Combustion and Flame</i> , <b>1998</b> , 115, 1-27	5.3	417
270	Kinetic modeling and sensitivity analysis of nitrogen oxide formation in well-stirred reactors. <i>Combustion and Flame</i> , <b>1986</b> , 65, 177-202	5.3	328
269	Chemical Effects of a High CO <sub>2</sub> Concentration in Oxy-Fuel Combustion of Methane. <i>Energy &amp; Fuels</i> , <b>2008</b> , 22, 291-296	4.1	297
268	Release of K, Cl, and S during Pyrolysis and Combustion of High-Chlorine Biomass. <i>Energy &amp; Fuels</i> , <b>2011</b> , 25, 4961-4971	4.1	238
267	<b>2003</b> ,		235
266	Ammonia chemistry in oxy-fuel combustion of methane. <i>Combustion and Flame</i> , <b>2009</b> , 156, 1937-1949	5.3	225
265	The oxidation of hydrogen cyanide and related chemistry. <i>Progress in Energy and Combustion Science</i> , <b>2008</b> , 34, 1-46	33.6	223
264	Release to the Gas Phase of Inorganic Elements during Wood Combustion. Part 2: Influence of Fuel Composition. <i>Energy &amp; Fuels</i> , <b>2008</b> , 22, 1598-1609	4.1	217
263	An experimental and kinetic modeling study of premixed NH <sub>3</sub> /CH <sub>4</sub> /O <sub>2</sub> /Ar flames at low pressure. <i>Combustion and Flame</i> , <b>2009</b> , 156, 1413-1426	5.3	210
262	The role of NNH in NO formation and control. <i>Combustion and Flame</i> , <b>2011</b> , 158, 774-789	5.3	180
261	Global Combustion Mechanisms for Use in CFD Modeling under Oxy-Fuel Conditions. <i>Energy &amp; Fuels</i> , <b>2009</b> , 23, 1379-1389	4.1	178
260	Mechanism and modeling of the formation of gaseous alkali sulfates. <i>Combustion and Flame</i> , <b>2005</b> , 141, 22-39	5.3	177
259	Ammonia chemistry below 1400K under fuel-rich conditions in a flow reactor. <i>Combustion and Flame</i> , <b>2004</b> , 136, 501-518	5.3	173
258	Numerical modeling of straw combustion in a fixed bed. <i>Fuel</i> , <b>2005</b> , 84, 389-403	7.1	167

257	Release to the Gas Phase of Inorganic Elements during Wood Combustion. Part 1: Development and Evaluation of Quantification Methods. <i>Energy &amp; Fuels</i> , <b>2006</b> , 20, 964-978	4.1	154
256	Formation of polycyclic aromatic hydrocarbons and soot in fuel-rich oxidation of methane in a laminar flow reactor. <i>Combustion and Flame</i> , <b>2004</b> , 136, 91-128	5.3	139
255	Experimental measurements and kinetic modeling of CO/H <sub>2</sub> /O <sub>2</sub> /NO <sub>x</sub> conversion at high pressure. <i>International Journal of Chemical Kinetics</i> , <b>2008</b> , 40, 454-480	1.4	137
254	Hidden interactions—trace species governing combustion and emissions. <i>Proceedings of the Combustion Institute</i> , <b>2007</b> , 31, 77-98	5.9	134
253	Inhibition and sensitization of fuel oxidation by SO <sub>2</sub> . <i>Combustion and Flame</i> , <b>2001</b> , 127, 2234-2251	5.3	133
252	Modelling and experiments of straw combustion in a grate furnace. <i>Biomass and Bioenergy</i> , <b>2000</b> , 19, 199-208	5.3	130
251	Modeling the thermal DeNO <sub>x</sub> process in flow reactors. Surface effects and Nitrous Oxide formation. <i>International Journal of Chemical Kinetics</i> , <b>1994</b> , 26, 421-436	1.4	130
250	Shedding of ash deposits. <i>Progress in Energy and Combustion Science</i> , <b>2009</b> , 35, 31-56	33.6	127
249	Impact of SO <sub>2</sub> and NO on CO oxidation under post-flame conditions. <i>International Journal of Chemical Kinetics</i> , <b>1996</b> , 28, 773-790	1.4	127
248	Experimental and kinetic modeling study of the oxidation of benzene. <i>International Journal of Chemical Kinetics</i> , <b>2000</b> , 32, 498-522	1.4	113
247	Reburning chemistry: a kinetic modeling study. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>1992</b> , 31, 1477-1490	3.9	105
246	Ammonia oxidation at high pressure and intermediate temperatures. <i>Fuel</i> , <b>2016</b> , 181, 358-365	7.1	104
245	High-pressure oxidation of methane. <i>Combustion and Flame</i> , <b>2016</b> , 172, 349-364	5.3	103
244	Release of Chlorine and Sulfur during Biomass Torrefaction and Pyrolysis. <i>Energy &amp; Fuels</i> , <b>2014</b> , 28, 3738-3746	4.1	103
243	Nitrogen chemistry during burnout in fuel-staged combustion. <i>Combustion and Flame</i> , <b>1996</b> , 107, 211-223	3.3	101
242	Sensitizing effects of NO <sub>x</sub> on CH <sub>4</sub> oxidation at high pressure. <i>Combustion and Flame</i> , <b>2008</b> , 154, 529-545	5.3	100
241	Modeling the thermal De-NO <sub>x</sub> process: Closing in on a final solution. <i>International Journal of Chemical Kinetics</i> , <b>1999</b> , 31, 757-765	1.4	100
240	Influence of process parameters on nitrogen oxide formation in pulverized coal burners. <i>Progress in Energy and Combustion Science</i> , <b>1997</b> , 23, 349-377	33.6	99

239	The thermal DeNOx process: Influence of partial pressures and temperature. <i>Chemical Engineering Science</i> , <b>1995</b> , 50, 1455-1466	4.4	97
238	Low temperature interactions between hydrocarbons and nitric oxide: An experimental study. <i>Combustion and Flame</i> , <b>1997</b> , 109, 25-36	5.3	95
237	Heat transfer in ash deposits: A modelling tool-box. <i>Progress in Energy and Combustion Science</i> , <b>2005</b> , 31, 371-421	33.6	95
236	Review on Ammonia as a Potential Fuel: From Synthesis to Economics. <i>Energy &amp; Fuels</i> , <b>2021</b> , 35, 6964-7029	4.1	95
235	The reaction of ammonia with nitrogen dioxide in a flow reactor: Implications for the NH <sub>2</sub> + NO <sub>2</sub> reaction. <i>International Journal of Chemical Kinetics</i> , <b>1995</b> , 27, 1207-1220	1.4	92
234	Reburn Chemistry in Oxy-fuel Combustion of Methane. <i>Energy &amp; Fuels</i> , <b>2009</b> , 23, 3565-3572	4.1	89
233	Low temperature oxidation of methane: the influence of nitrogen oxides. <i>Combustion Science and Technology</i> , <b>2000</b> , 151, 31-71	1.5	88
232	An exploratory study of alkali sulfate aerosol formation during biomass combustion. <i>Fuel</i> , <b>2008</b> , 87, 1591-1600	7.2	82
231	Experimental and kinetic modeling study of the effect of NO and SO <sub>2</sub> on the oxidation of CO/H <sub>2</sub> mixtures. <i>International Journal of Chemical Kinetics</i> , <b>2003</b> , 35, 564-575	1.4	79
230	Kinetics of homogeneous nitrous oxide decomposition. <i>Combustion and Flame</i> , <b>1994</b> , 99, 523-532	5.3	78
229	Nitric Oxide Reduction by Non-hydrocarbon Fuels. Implications for Reburning with Gasification Gases. <i>Energy &amp; Fuels</i> , <b>2000</b> , 14, 828-838	4.1	77
228	Formation and reduction of nitric oxide in fixed-bed combustion of straw. <i>Fuel</i> , <b>2006</b> , 85, 705-716	7.1	76
227	An experimental study of biomass ignition?. <i>Fuel</i> , <b>2003</b> , 82, 825-833	7.1	76
226	Influence of fast pyrolysis conditions on yield and structural transformation of biomass chars. <i>Fuel Processing Technology</i> , <b>2015</b> , 140, 205-214	7.2	75
225	Release of K, Cl, and S during combustion and co-combustion with wood of high-chlorine biomass in bench and pilot scale fuel beds. <i>Proceedings of the Combustion Institute</i> , <b>2013</b> , 34, 2363-2372	5.9	75
224	Mechanism and modeling of hydrogen cyanide oxidation in a flow reactor. <i>Combustion and Flame</i> , <b>1994</b> , 99, 475-483	5.3	75
223	Ammonia conversion and NO <sub>x</sub> formation in laminar coflowing nonpremixed methane-air flames. <i>Combustion and Flame</i> , <b>2002</b> , 131, 285-298	5.3	74
222	Effects of several types of biomass fuels on the yield, nanostructure and reactivity of soot from fast pyrolysis at high temperatures. <i>Applied Energy</i> , <b>2016</b> , 171, 468-482	10.7	70

221	A flow reactor study of HNCO oxidation chemistry. <i>Combustion and Flame</i> , <b>1994</b> , 98, 241-258	5.3	69
220	Mechanisms of radical removal by SO <sub>2</sub> . <i>Proceedings of the Combustion Institute</i> , <b>2007</b> , 31, 339-347	5.9	68
219	Oxidation of formaldehyde and its interaction with nitric oxide in a flow reactor. <i>Combustion and Flame</i> , <b>2003</b> , 132, 629-638	5.3	68
218	Screening of NiFe <sub>2</sub> O <sub>4</sub> Nanoparticles as Oxygen Carrier in Chemical Looping Hydrogen Production. <i>Energy &amp; Fuels</i> , <b>2016</b> , 30, 4251-4262	4.1	63
217	Reactions of SO <sub>3</sub> with the O/H radical pool under combustion conditions. <i>Journal of Physical Chemistry A</i> , <b>2007</b> , 111, 3984-91	2.8	60
216	Nitromethane dissociation: Implications for the CH <sub>3</sub> + NO <sub>2</sub> reaction. <i>International Journal of Chemical Kinetics</i> , <b>1999</b> , 31, 591-602	1.4	60
215	Ignition-promoting effect of NO <sub>2</sub> on methane, ethane and methane/ethane mixtures in a rapid compression machine. <i>Proceedings of the Combustion Institute</i> , <b>2011</b> , 33, 433-440	5.9	59
214	Interactions of CO, NO <sub>x</sub> and H <sub>2</sub> O Under Post-Flame Conditions. <i>Combustion Science and Technology</i> , <b>1995</b> , 110-111, 461-485	1.5	59
213	Experimental Study on Effects of Particle Shape and Operating Conditions on Combustion Characteristics of Single Biomass Particles. <i>Energy &amp; Fuels</i> , <b>2013</b> , 27, 507-514	4.1	58
212	Release and Transformation of Inorganic Elements in Combustion of a High-Phosphorus Fuel. <i>Energy &amp; Fuels</i> , <b>2011</b> , 25, 2874-2886	4.1	58
211	Experimental measurements and kinetic modeling of CH <sub>4</sub> /O <sub>2</sub> and CH <sub>4</sub> /C <sub>2</sub> H <sub>6</sub> /O <sub>2</sub> conversion at high pressure. <i>International Journal of Chemical Kinetics</i> , <b>2008</b> , 40, 778-807	1.4	58
210	Post-flame gas-phase sulfation of potassium chloride. <i>Combustion and Flame</i> , <b>2013</b> , 160, 959-969	5.3	57
209	Co-combustion of pulverized coal and solid recovered fuel in an entrained flow reactor [General combustion and ash behaviour. <i>Fuel</i> , <b>2011</b> , 90, 1980-1991	7.1	57
208	Devolatilization characteristics of large particles of tyre rubber under combustion conditions. <i>Fuel</i> , <b>2006</b> , 85, 1335-1345	7.1	57
207	Effect of fast pyrolysis conditions on biomass solid residues at high temperatures. <i>Fuel Processing Technology</i> , <b>2016</b> , 143, 118-129	7.2	55
206	Impact of coal fly ash addition on ash transformation and deposition in a full-scale wood suspension-firing boiler. <i>Fuel</i> , <b>2013</b> , 113, 632-643	7.1	55
205	Evaluation of different oxygen carriers for biomass tar reforming (II): Carbon deposition in experiments with methane and other gases. <i>Fuel</i> , <b>2011</b> , 90, 1370-1382	7.1	54
204	Homogeneous and heterogeneously catalyzed oxidation of . <i>Chemical Engineering Science</i> , <b>2007</b> , 62, 4496-4499	4.4	54

203	Oxidation of Dimethyl Ether and its Interaction with Nitrogen Oxides. <i>Israel Journal of Chemistry</i> , <b>1999</b> , 39, 73-86	3-4	53
202	Dust-Firing of Straw and Additives: Ash Chemistry and Deposition Behavior. <i>Energy &amp; Fuels</i> , <b>2011</b> , 25, 2862-2873	4-1	52
201	Evaluation of different oxygen carriers for biomass tar reforming (I): Carbon deposition in experiments with toluene. <i>Fuel</i> , <b>2011</b> , 90, 1049-1060	7-1	52
200	Laboratory Study of the CO/NH <sub>3</sub> /NO/O <sub>2</sub> System: Implications for Hybrid Reburn/SNCR Strategies. <i>Energy &amp; Fuels</i> , <b>1997</b> , 11, 716-723	4-1	52
199	Fuel-nitrogen conversion in the combustion of small amines using dimethylamine and ethylamine as biomass-related model fuels. <i>Combustion and Flame</i> , <b>2012</b> , 159, 2254-2279	5-3	51
198	Experimental and kinetic modeling study of C <sub>2</sub> H <sub>4</sub> oxidation at high pressure. <i>Proceedings of the Combustion Institute</i> , <b>2009</b> , 32, 367-375	5-9	51
197	Hydrogen oxidation at high pressure and intermediate temperatures: Experiments and kinetic modeling. <i>Proceedings of the Combustion Institute</i> , <b>2015</b> , 35, 553-560	5-9	50
196	A kinetic issue in reburning: the fate of HCNO. <i>Combustion and Flame</i> , <b>2003</b> , 135, 357-362	5-3	50
195	Methanol oxidation in a flow reactor: Implications for the branching ratio of the CH <sub>3</sub> OH+OH reaction. <i>International Journal of Chemical Kinetics</i> , <b>2008</b> , 40, 423-441	1-4	49
194	Comparison of high temperature chars of wheat straw and rice husk with respect to chemistry, morphology and reactivity. <i>Biomass and Bioenergy</i> , <b>2016</b> , 86, 76-87	5-3	48
193	Trace elements in co-combustion of solid recovered fuel and coal. <i>Fuel Processing Technology</i> , <b>2013</b> , 105, 212-221	7-2	47
192	High-pressure oxidation of ethane. <i>Combustion and Flame</i> , <b>2017</b> , 182, 150-166	5-3	46
191	Experimental and Kinetic Modeling Study of C <sub>2</sub> H <sub>2</sub> Oxidation at High Pressure. <i>International Journal of Chemical Kinetics</i> , <b>2016</b> , 48, 724-738	1-4	46
190	An experimental and kinetic modeling study of premixed nitromethane flames at low pressure. <i>Proceedings of the Combustion Institute</i> , <b>2011</b> , 33, 407-414	5-9	46
189	Kinetic Study of NO Reduction over Biomass Char under Dynamic Conditions. <i>Energy &amp; Fuels</i> , <b>2003</b> , 17, 1429-1436	4-1	46
188	Release and transformation of chlorine and potassium during pyrolysis of KCl doped biomass. <i>Fuel</i> , <b>2017</b> , 197, 422-432	7-1	45
187	Modeling Low-Temperature Gas Reburning. NO <sub>x</sub> Reduction Potential and Effects of Mixing. <i>Energy &amp; Fuels</i> , <b>1998</b> , 12, 329-338	4-1	43
186	Formation of NO from N <sub>2</sub> /O <sub>2</sub> Mixtures in a Flow Reactor: Toward an Accurate Prediction of Thermal NO. <i>International Journal of Chemical Kinetics</i> , <b>2015</b> , 47, 518-532	1-4	41

185	Modelling the Formation of N <sub>2</sub> O and NO <sub>2</sub> in the Thermal De-NO <sub>x</sub> Process. <i>Springer Series in Chemical Physics</i> , <b>1996</b> , 318-333	0.3	41
184	Experimental and Kinetic Modeling Study of Methanol Ignition and Oxidation at High Pressure. <i>International Journal of Chemical Kinetics</i> , <b>2013</b> , 45, 283-294	1.4	40
183	Experimental investigation of no from pulverized char combustion. <i>Proceedings of the Combustion Institute</i> , <b>2000</b> , 28, 2271-2278	5.9	40
182	Mutually Promoted Thermal Oxidation of Nitric Oxide and Organic Compounds. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>1995</b> , 34, 1882-1888	3.9	40
181	Characterization of free radicals by electron spin resonance spectroscopy in biochars from pyrolysis at high heating rates and at high temperatures. <i>Biomass and Bioenergy</i> , <b>2016</b> , 94, 117-129	5.3	39
180	Branching Fraction of the NH <sub>2</sub> + NO Reaction between 1210 and 1370 K. <i>Journal of Physical Chemistry A</i> , <b>1997</b> , 101, 3741-3745	2.8	39
179	Partitioning of K, Cl, S and P during combustion of poplar and brassica energy crops. <i>Fuel</i> , <b>2014</b> , 134, 209-219	7.1	37
178	Ab initio and kinetic modeling studies of formic acid oxidation. <i>Proceedings of the Combustion Institute</i> , <b>2015</b> , 35, 153-160	5.9	37
177	Formation of fine particles in co-combustion of coal and solid recovered fuel in a pulverized coal-fired power station. <i>Proceedings of the Combustion Institute</i> , <b>2011</b> , 33, 2845-2852	5.9	34
176	Experimental and numerical analysis of the autoignition behavior of NH <sub>3</sub> and NH <sub>3</sub> /H <sub>2</sub> mixtures at high pressure. <i>Combustion and Flame</i> , <b>2020</b> , 215, 134-144	5.3	33
175	A reduced mechanism for nitrogen chemistry in methane combustion. <i>Proceedings of the Combustion Institute</i> , <b>1992</b> , 24, 889-898		33
174	Thermal dissociation of SO <sub>3</sub> at 1000-1400 K. <i>Journal of Physical Chemistry A</i> , <b>2006</b> , 110, 6654-9	2.8	32
173	Theory and modeling of relevance to prompt-NO formation at high pressure. <i>Combustion and Flame</i> , <b>2018</b> , 195, 3-17	5.3	32
172	Devolatilization kinetics of woody biomass at short residence times and high heating rates and peak temperatures. <i>Applied Energy</i> , <b>2016</b> , 162, 245-256	10.7	31
171	Kinetic Modeling of Fuel-Nitrogen Conversion in One-Dimensional, Pulverized-Coal Flames. <i>Combustion Science and Technology</i> , <b>1991</b> , 76, 81-109	1.5	31
170	Combustion chemistry in the twenty-first century: Developing theory-informed chemical kinetics models. <i>Progress in Energy and Combustion Science</i> , <b>2021</b> , 83, 100886	33.6	31
169	High-pressure pyrolysis and oxidation of DME and DME/CH <sub>4</sub> . <i>Combustion and Flame</i> , <b>2019</b> , 205, 80-92	5.3	30
168	New insights in the low-temperature oxidation of acetylene. <i>Proceedings of the Combustion Institute</i> , <b>2017</b> , 36, 355-363	5.9	30

- 167 Influence of coal quality on combustion performance. *Fuel*, **1998**, 77, 1317-1328 7.1 30
- 166 A study of benzene formation in a laminar flow reactor. *Proceedings of the Combustion Institute*, **2002**, 29, 1329-1336 5.9 30
- 165 Visualization methods in analysis of detailed chemical kinetics modelling. *Computers & Chemistry*, **2001**, 25, 161-70 30
- 164 High-temperature chemistry of HCl and Cl<sub>2</sub>. *Combustion and Flame*, **2015**, 162, 2693-2704 5.3 29
- 163 High pressure oxidation of C<sub>2</sub>H<sub>4</sub>/NO mixtures. *Proceedings of the Combustion Institute*, **2011**, 33, 449-457.9 29
- 162 A Model for Nitrogen Chemistry in Oxy-Fuel Combustion of Pulverized Coal. *Energy & Fuels*, **2011**, 25, 4280-4289 4.1 29
- 161 The recombination of hydrogen atoms with nitric oxide at high temperatures. *Proceedings of the Combustion Institute*, **1998**, 27, 219-226 29
- 160 Propargyl recombination: estimation of the high temperature, low pressure rate constant from flame measurements. *Proceedings of the Combustion Institute*, **2005**, 30, 1023-1031 5.9 29
- 159 A Chemical Engineering Model for Predicting NO Emissions and Burnout from Pulverised Coal Flames. *Combustion Science and Technology*, **1998**, 132, 251-314 1.5 29
- 158 Review: Circulation of Inorganic Elements in Combustion of Alternative Fuels in Cement Plants. *Energy & Fuels*, **2015**, 29, 4076-4099 4.1 28
- 157 Potassium Capture by Kaolin, Part 2: K<sub>2</sub>CO<sub>3</sub>, KCl, and K<sub>2</sub>SO<sub>4</sub>. *Energy & Fuels*, **2018**, 32, 3566-3578 4.1 28
- 156 High-pressure oxidation of propane. *Proceedings of the Combustion Institute*, **2019**, 37, 461-468 5.9 28
- 155 An Exploratory Flow Reactor Study of H<sub>2</sub>S Oxidation at 30-100 Bar. *International Journal of Chemical Kinetics*, **2017**, 49, 37-52 1.4 28
- 154 Sulfation of Condensed Potassium Chloride by SO<sub>2</sub>. *Energy & Fuels*, **2013**, 27, 3283-3289 4.1 28
- 153 Experimental Investigation of Ash Deposit Shedding in a Straw-Fired Boiler. *Energy & Fuels*, **2006**, 20, 512-519 4.1 28
- 152 Experimental and Modeling Study of Biomass Reburning. *Energy & Fuels*, **2004**, 18, 1442-1450 4.1 28
- 151 Experimental and Modeling Investigation of the Effect of H<sub>2</sub>S Addition to Methane on the Ignition and Oxidation at High Pressures. *Energy & Fuels*, **2017**, 31, 2175-2182 4.1 27
- 150 Inhibition of hydrogen oxidation by HBr and Br<sub>2</sub>. *Combustion and Flame*, **2012**, 159, 528-540 5.3 27



149	Rate constant and branching fraction for the NH <sub>2</sub> + NO <sub>2</sub> reaction. <i>Journal of Physical Chemistry A</i> , <b>2013</b> , 117, 9011-22	2.8	27
148	Potassium Capture by Kaolin, Part 1: KOH. <i>Energy &amp; Fuels</i> , <b>2018</b> , 32, 1851-1862	4.1	26
147	Oxidation of reduced sulfur species: carbon disulfide. <i>Journal of Physical Chemistry A</i> , <b>2014</b> , 118, 6798-8098	2.8	26
146	Experimental and detailed kinetic modeling study of PAH formation in laminar co-flow methane diffusion flames. <i>Proceedings of the Combustion Institute</i> , <b>2013</b> , 34, 1811-1818	5.9	26
145	Oxidation of Reduced Sulfur Species: Carbonyl Sulfide. <i>International Journal of Chemical Kinetics</i> , <b>2013</b> , 45, 429-439	1.4	26
144	Parabenzquinone pyrolysis and oxidation in a flow reactor. <i>International Journal of Chemical Kinetics</i> , <b>1998</b> , 30, 683-697	1.4	26
143	NO Formation during Oxy-Fuel Combustion of Coal and Biomass Chars. <i>Energy &amp; Fuels</i> , <b>2014</b> , 28, 4684-4693	4.1	25
142	Residence time distributions in a cold, confined swirl flow. <i>Chemical Engineering Science</i> , <b>1997</b> , 52, 2743-2756	4.1	25
141	Direct Partial Oxidation of Natural Gas to Liquid Chemicals: Chemical Kinetic Modeling and Global Optimization. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2008</b> , 47, 6579-6588	3.9	25
140	Kinetic NO modelling and experimental results from single wood particle combustion. <i>Fuel</i> , <b>1997</b> , 76, 671-682	7.1	24
139	Thermal dissociation of nitrous oxide at medium temperatures. <i>Proceedings of the Combustion Institute</i> , <b>1992</b> , 24, 917-923		24
138	Reactivity of coal char in reducing NO. <i>Combustion and Flame</i> , <b>2004</b> , 136, 249-253	5.3	23
137	Post-processing of detailed chemical kinetic mechanisms onto CFD simulations. <i>Computers and Chemical Engineering</i> , <b>2004</b> , 28, 2351-2361	4	23
136	Nitrous oxide emissions control by reburning. <i>Combustion and Flame</i> , <b>1996</b> , 107, 453-463	5.3	23
135	High-pressure pyrolysis and oxidation of ethanol. <i>Fuel</i> , <b>2018</b> , 218, 247-257	7.1	22
134	Extension of apparent devolatilization kinetics from thermally thin to thermally thick particles in zero dimensions for woody biomass. <i>Energy</i> , <b>2016</b> , 95, 279-290	7.9	22
133	Some chemical kinetics issues in reburning: The branching fraction of the HCCO+NO reaction. <i>Proceedings of the Combustion Institute</i> , <b>1998</b> , 27, 235-243		22
132	Fly Ash Formation during Suspension Firing of Biomass: Effects of Residence Time and Fuel Type. <i>Energy &amp; Fuels</i> , <b>2017</b> , 31, 555-570	4.1	21

131	An experimental and kinetic modeling study of premixed nitroethane flames at low pressure. <i>Proceedings of the Combustion Institute</i> , <b>2013</b> , 34, 617-624	5.9	21
130	NO Reduction over Biomass and Coal Char during Simultaneous Combustion. <i>Energy &amp; Fuels</i> , <b>2013</b> , 27, 7817-7826	4.1	21
129	Computer-Aided Modeling Framework for Efficient Model Development, Analysis, and Identification: Combustion and Reactor Modeling. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2011</b> , 50, 5253-5265	3.9	21
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