

# Peter Glarborg

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/5677299/peter-glarborg-publications-by-year.pdf>

**Version:** 2024-04-25

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

274  
papers

13,638  
citations

59  
h-index

107  
g-index

279  
ext. papers

15,936  
ext. citations

5.6  
avg, IF

6.81  
L-index

#	Paper	IF	Citations
274	Challenges in Kinetic modeling of ammonia pyrolysis. <i>Fuel Communications</i> , <b>2022</b> , 10, 100049	1	1
273	Theoretical kinetics predictions for NH <sub>2</sub> ⇌ HO <sub>2</sub> . <i>Combustion and Flame</i> , <b>2022</b> , 236, 111787	5.3	5
272	Oxidation Kinetics of Methane and Methane/Methanol Mixtures in Supercritical Water. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2022</b> , 61, 3889-3899	3.9	
271	Kinetic Model for High-Pressure Methanol Oxidation in Gas Phase and Supercritical Water. <i>Energy &amp; Fuels</i> , <b>2022</b> , 36, 575-588	4.1	1
270	A reaction mechanism for ozone dissociation and reaction with hydrogen at elevated temperature. <i>Fuel</i> , <b>2022</b> , 322, 124138	7.1	0
269	An experimental and modeling study on auto-ignition kinetics of ammonia/methanol mixtures at intermediate temperature and high pressure. <i>Combustion and Flame</i> , <b>2022</b> , 242, 112160	5.3	2
268	Modeling Potassium Capture by Aluminosilicate, Part 2: Coal Fly Ash. <i>Energy &amp; Fuels</i> , <b>2021</b> , 35, 19725-19736	4.1	1
267	Assessment of the effect of alkali chemistry on post-flame aerosol formation during oxy-combustion of biomass. <i>Fuel</i> , <b>2021</b> , 311, 122521	7.1	0
266	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
265	Kinetic modeling of carbon monoxide oxidation and water gas shift reaction in supercritical water. <i>Journal of Supercritical Fluids</i> , <b>2021</b> , 171, 105165	4.2	3
264	Ignition delay times of NH <sub>3</sub> /DME blends at high pressure and low DME fraction: RCM experiments and simulations. <i>Combustion and Flame</i> , <b>2021</b> , 227, 120-134	5.3	19
263	Modeling the decomposition and byproduct formation of a urea-water-solution droplet. <i>Chemical Engineering Science</i> , <b>2021</b> , 237, 116587	4.4	1
262	Particulate emissions from a modern wood stove [Influence of KCl. <i>Renewable Energy</i> , <b>2021</b> , 170, 1215-1827		6
261	Self-heating and thermal runaway of biomass [Lab-scale experiments and modeling for conditions resembling power plant mills. <i>Fuel</i> , <b>2021</b> , 294, 120281	7.1	4
260	Selective Noncatalytic Reduction of NO <sub>x</sub> Using Ammonium Sulfate. <i>Energy &amp; Fuels</i> , <b>2021</b> , 35, 12392-12402	4.1	2
259	Theoretical and kinetic modeling study of chloromethane (CH <sub>3</sub> Cl) pyrolysis and oxidation. <i>International Journal of Chemical Kinetics</i> , <b>2021</b> , 53, 403-418	1.4	0
258	Experimental and kinetic modeling study of oxidation of acetonitrile. <i>Proceedings of the Combustion Institute</i> , <b>2021</b> , 38, 575-583	5.9	5

257	Effect of gasification reactions on biomass char conversion under pulverized fuel combustion conditions. <i>Proceedings of the Combustion Institute</i> , <b>2021</b> , 38, 3919-3928	5.9	2
256	Acetaldehyde oxidation at elevated pressure. <i>Proceedings of the Combustion Institute</i> , <b>2021</b> , 38, 269-278	5.9	4
255	Quantitative K-Cl-S chemistry in thermochemical conversion processes using in situ optical diagnostics. <i>Proceedings of the Combustion Institute</i> , <b>2021</b> , 38, 5219-5227	5.9	4
254	Kinetic modeling of urea decomposition and byproduct formation. <i>Chemical Engineering Science</i> , <b>2021</b> , 230, 116138	4.4	6
253	Determination of Zero Dimensional, Apparent Devolatilization Kinetics for Biomass Particles at Suspension Firing Conditions. <i>Energies</i> , <b>2021</b> , 14, 1018	3.1	1
252	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
251	On the Rate Constant for NH+HO and Third-Body Collision Efficiencies for NH+H(+M) and NH+NH(+M). <i>Journal of Physical Chemistry A</i> , <b>2021</b> , 125, 1505-1516	2.8	13
250	NO emission from cement calciners firing coal and petcoke: A CPFD study. <i>Applications in Energy and Combustion Science</i> , <b>2021</b> , 5, 100023	0.8	1
249	Evaluation of a Semiglobal Approach for Modeling Methane/n-Heptane Dual-Fuel Ignition. <i>Energy &amp; Fuels</i> , <b>2021</b> , 35, 14042-14050	4.1	1
248	Modeling Potassium Capture by Aluminosilicate, Part 1: Kaolin. <i>Energy &amp; Fuels</i> , <b>2021</b> , 35, 13984-13998	4.1	3
247	Influence of potassium on benzene and soot formation in fuel-rich oxidation of methane in a laminar flow reactor. <i>Combustion and Flame</i> , <b>2021</b> , 234, 111624	5.3	1
246	Optical measurements of KOH, KCl and K for quantitative K-Cl chemistry in thermochemical conversion processes. <i>Fuel</i> , <b>2020</b> , 271, 117643	7.1	13
245	Sulfur poisoning and regeneration of Rh-ZSM-5 catalysts for total oxidation of methane. <i>Applied Catalysis B: Environmental</i> , <b>2020</b> , 277, 119176	21.8	10
244	Spillback nozzle characterization using pulsating LED shadowgraphy. <i>Experimental Thermal and Fluid Science</i> , <b>2020</b> , 119, 110172	3	0
243	Experimental investigation and mathematical modeling of the reaction between SO <sub>2</sub> (g) and CaCO <sub>3</sub> (s)-containing micelles in lube oil for large two-stroke marine diesel engines. <i>Chemical Engineering Journal</i> , <b>2020</b> , 388, 124188	14.7	4
242	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
241	Shedding light on the governing mechanisms for insufficient CO and H <sub>2</sub> burnout in the presence of potassium, chlorine and sulfur. <i>Fuel</i> , <b>2020</b> , 273, 117762	7.1	10
240	Autoignition studies of NH <sub>3</sub> /CH <sub>4</sub> mixtures at high pressure. <i>Combustion and Flame</i> , <b>2020</b> , 218, 19-26	5.3	18

239	Experimental and modelling study on the influence of wood type, density, water content, and temperature on wood devolatilization. <i>Fuel</i> , <b>2020</b> , 260, 116410	7.1	9
238	The influence of size and morphology on devolatilization of biomass particles. <i>Fuel</i> , <b>2020</b> , 264, 116755	7.1	14
237	A Rhodium-Based Methane Oxidation Catalyst with High Tolerance to H <sub>2</sub> O and SO <sub>2</sub> . <i>ACS Catalysis</i> , <b>2020</b> , 10, 1821-1827	13.1	14
236	Oxidation of methylamine. <i>International Journal of Chemical Kinetics</i> , <b>2020</b> , 52, 893-906	1.4	5
235	Influence of the support on rhodium speciation and catalytic activity of rhodium-based catalysts for total oxidation of methane. <i>Catalysis Science and Technology</i> , <b>2020</b> , 10, 6035-6044	5.5	4
234	Development of a Detailed Kinetic Model for Hydrogen Oxidation in Supercritical H <sub>2</sub> O/CO <sub>2</sub> Mixtures. <i>Energy &amp; Fuels</i> , <b>2020</b> , 34, 15379-15388	4.1	6
233	Skeletal mechanisms for prediction of NO <sub>x</sub> emission in solid fuel combustion. <i>Fuel</i> , <b>2019</b> , 254, 115569	7.1	14
232	Potassium capture by coal fly ash: K <sub>2</sub> CO <sub>3</sub> , KCl and K <sub>2</sub> SO <sub>4</sub> . <i>Fuel Processing Technology</i> , <b>2019</b> , 194, 106115	7.2	18
231	Detailed Kinetic Mechanisms of Pollutant Formation in Combustion Processes. <i>Computer Aided Chemical Engineering</i> , <b>2019</b> , 603-645	0.6	5
230	Formation of NO and N <sub>2</sub> O during Raw and Demineralized Biomass Char Combustion. <i>Energy &amp; Fuels</i> , <b>2019</b> , 33, 5304-5315	4.1	10
229	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
228	KOH capture by coal fly ash. <i>Fuel</i> , <b>2019</b> , 242, 828-836	7.1	16
227	The C <sub>2</sub> H <sub>2</sub> + NO <sub>2</sub> reaction: Implications for high pressure oxidation of C <sub>2</sub> H <sub>2</sub> /NO <sub>x</sub> mixtures. <i>Proceedings of the Combustion Institute</i> , <b>2019</b> , 37, 469-476	5.9	7
226	Biomass fly ash deposition in an entrained flow reactor. <i>Proceedings of the Combustion Institute</i> , <b>2019</b> , 37, 2689-2696	5.9	11
225	High-pressure oxidation of propane. <i>Proceedings of the Combustion Institute</i> , <b>2019</b> , 37, 461-468	5.9	28
224	CPFD simulation of petcoke and SRF co-firing in a full-scale cement calciner. <i>Fuel Processing Technology</i> , <b>2019</b> , 196, 106153	7.2	6
223	Kinetic Parameters for Biomass under Self-Ignition Conditions: Low-Temperature Oxidation and Pyrolysis. <i>Energy &amp; Fuels</i> , <b>2019</b> , 33, 8606-8619	4.1	7
222	Modeling post-flame sulfation of KCl and KOH in bio-dust combustion with full and simplified mechanisms. <i>Fuel</i> , <b>2019</b> , 258, 116147	7.1	13

221	Reactivity of sewage sludge, RDF, and straw chars towards NO. <i>Fuel</i> , <b>2019</b> , 236, 297-305	7.1	15
220	Mixed Flow Reactor Experiments and Modeling of Sulfuric Acid Neutralization in Lube Oil for Large Two-Stroke Diesel Engines. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2019</b> , 58, 138-155	3.9	4
219	Effects of ambient pressure on ignition and flame characteristics in diesel spray combustion. <i>Fuel</i> , <b>2019</b> , 237, 676-685	7.1	16
218	Influence of H <sub>2</sub> O on NO formation during char oxidation of biomass. <i>Fuel</i> , <b>2019</b> , 235, 1260-1265	7.1	9
217	Potassium Capture by Kaolin, Part 2: K <sub>2</sub> CO <sub>3</sub> , KCl, and K <sub>2</sub> SO <sub>4</sub> . <i>Energy &amp; Fuels</i> , <b>2018</b> , 32, 3566-3578	4.1	28
216	Modeling nitrogen chemistry in combustion. <i>Progress in Energy and Combustion Science</i> , <b>2018</b> , 67, 31-68	33.6	449
215	Measurements of the NO <sub>x</sub> precursors and major species concentrations above the grate at a waste-to-energy plant. <i>Fuel</i> , <b>2018</b> , 222, 475-484	7.1	9
214	High-pressure pyrolysis and oxidation of ethanol. <i>Fuel</i> , <b>2018</b> , 218, 247-257	7.1	22
213	Potassium Capture by Kaolin, Part 1: KOH. <i>Energy &amp; Fuels</i> , <b>2018</b> , 32, 1851-1862	4.1	26
212	Ab initio calculations and kinetic modeling of thermal conversion of methyl chloride: implications for gasification of biomass. <i>Physical Chemistry Chemical Physics</i> , <b>2018</b> , 20, 10741-10752	3.6	6
211	Tensile Adhesion Strength of Biomass Ash Deposits: Effect of the Temperature Gradient and Ash Chemistry. <i>Energy &amp; Fuels</i> , <b>2018</b> , 32, 4432-4441	4.1	14
210	Optical investigation of gas-phase KCl/KOH sulfation in post flame conditions. <i>Fuel</i> , <b>2018</b> , 224, 461-468	7.1	20
209	Experiments and modeling of single plastic particle conversion in suspension. <i>Fuel Processing Technology</i> , <b>2018</b> , 178, 213-225	7.2	2
208	Predicting Biomass Char Yield from High Heating Rate Devolatilization Using Chemometrics. <i>Energy &amp; Fuels</i> , <b>2018</b> , 32, 9572-9580	4.1	10
207	High Heating Rate Devolatilization Kinetics of Pulverized Biomass Fuels. <i>Energy &amp; Fuels</i> , <b>2018</b> , 32, 12955-12961	4.1	8
206	Experimental and CPFD study of gas-solid flow in a cold pilot calciner. <i>Powder Technology</i> , <b>2018</b> , 340, 99-115	5.2	10
205	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
204	Aerodynamic and Physical Characterization of Refuse Derived Fuel. <i>Energy &amp; Fuels</i> , <b>2018</b> , 32, 7685-7700	4	4

203	Density Functional Theory Study of the Role of an CarbonOxygen Single Bond Group in the NOChar Reaction. <i>Energy &amp; Fuels</i> , <b>2018</b> , 32, 7734-7744	4.1	15
202	Modelling of temporal and spatial evolution of sulphur oxides and sulphuric acid under large, two-stroke marine engine-like conditions using integrated CFD-chemical kinetics. <i>Applied Energy</i> , <b>2017</b> , 193, 60-73	10.7	19
201	High-pressure oxidation of ethane. <i>Combustion and Flame</i> , <b>2017</b> , 182, 150-166	5.3	46
200	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
199	Mechanistic Model for Ash Deposit Formation in Biomass Suspension Firing. Part 1: Model Verification by Use of Entrained Flow Reactor Experiments. <i>Energy &amp; Fuels</i> , <b>2017</b> , 31, 2771-2789	4.1	15
198	Mechanistic Model for Ash Deposit Formation in Biomass Suspension Firing. Part 2: Model Verification by Use of Full-Scale Tests. <i>Energy &amp; Fuels</i> , <b>2017</b> , 31, 2790-2802	4.1	6
197	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
196	Reaction Mechanisms <b>2017</b> , 481-520		
195	Impact of KCl impregnation on single particle combustion of wood and torrefied wood. <i>Fuel</i> , <b>2017</b> , 206, 684-689	7.1	11
194	Deposit Shedding in Biomass-Fired Boilers: Shear Adhesion Strength Measurements. <i>Energy &amp; Fuels</i> , <b>2017</b> , 31, 8733-8741	4.1	15
193	An Exploratory Flow Reactor Study of H <sub>2</sub> S Oxidation at 3000 Bar. <i>International Journal of Chemical Kinetics</i> , <b>2017</b> , 49, 37-52	1.4	28
192	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
191	Experimental and Modeling Investigation of the Effect of H <sub>2</sub> S Addition to Methane on the Ignition and Oxidation at High Pressures. <i>Energy &amp; Fuels</i> , <b>2017</b> , 31, 2175-2182	4.1	27
190	Importance of the Hydrogen Isocyanide Isomer in Modeling Hydrogen Cyanide Oxidation in Combustion. <i>Energy &amp; Fuels</i> , <b>2017</b> , 31, 2156-2163	4.1	18
189	Reaction of Sulfuric Acid in Lube Oil: Implications for Large Two-Stroke Diesel Engines <b>2017</b> ,		3
188	<b>2017</b> ,		17
187	Experimental and Kinetic Modeling Study of Nitroethane Pyrolysis at a Low Pressure: Competition Reactions in the Primary Decomposition. <i>Energy &amp; Fuels</i> , <b>2016</b> , 30, 7738-7745	4.1	5
186	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

185	High-pressure oxidation of methane. <i>Combustion and Flame</i> , <b>2016</b> , 172, 349-364	5.3	103
184	Importance of Vanadium-Catalyzed Oxidation of SO <sub>2</sub> to SO <sub>3</sub> in Two-Stroke Marine Diesel Engines. <i>Energy &amp; Fuels</i> , <b>2016</b> , 30, 6098-6102	4.1	10
183	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
182	Inhibition and Promotion of Pyrolysis by Hydrogen Sulfide (HS) and Sulfanyl Radical (SH). <i>Journal of Physical Chemistry A</i> , <b>2016</b> , 120, 8941-8948	2.8	17
181	Ammonia oxidation at high pressure and intermediate temperatures. <i>Fuel</i> , <b>2016</b> , 181, 358-365	7.1	104
180	Interactive Matching between the Temperature Profile and Secondary Reactions of Oil Shale Pyrolysis. <i>Energy &amp; Fuels</i> , <b>2016</b> , 30, 2865-2873	4.1	15
179	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
178	Behavior of Alkali Metals and Ash in a Low-Temperature Circulating Fluidized Bed (LTCFB) Gasifier. <i>Energy &amp; Fuels</i> , <b>2016</b> ,	4.1	3
177	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
176	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
175	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
174	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
173	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
172	Defluidization in fluidized bed gasifiers using high-alkali content fuels. <i>Biomass and Bioenergy</i> , <b>2016</b> , 91, 160-174	5.3	18
171	Influence of Torrefaction on Single Particle Combustion of Wood. <i>Energy &amp; Fuels</i> , <b>2016</b> , 30, 5772-5778	4.1	20
170	Review: Circulation of Inorganic Elements in Combustion of Alternative Fuels in Cement Plants. <i>Energy &amp; Fuels</i> , <b>2015</b> , 29, 4076-4099	4.1	28
169	High-temperature chemistry of HCl and Cl <sub>2</sub> . <i>Combustion and Flame</i> , <b>2015</b> , 162, 2693-2704	5.3	29
168	Rate constant and thermochemistry for K + O <sub>2</sub> + N <sub>2</sub> = KO <sub>2</sub> + N <sub>2</sub> . <i>Journal of Physical Chemistry A</i> , <b>2015</b> , 119, 3329-36	2.8	16

167	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
166	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
165	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
164	The Reaction Kinetics of Amino Radicals with Sulfur Dioxide. <i>Zeitschrift Fur Physikalische Chemie</i> , <b>2015</b> , 229, 1649-1661	3.1	3
163	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
162	Glyoxal Oxidation Mechanism: Implications for the Reactions HCO + O <sub>2</sub> and OCHCHO + HO <sub>2</sub> . <i>Journal of Physical Chemistry A</i> , <b>2015</b> , 119, 7305-15	2.8	20
161	Temperature and Pressure Dependence of the Reaction S + CS (+M) → CS <sub>2</sub> (+M). <i>Journal of Physical Chemistry A</i> , <b>2015</b> , 119, 7277-81	2.8	4
160	SO <sub>2</sub> Release as a Consequence of Alternative Fuel Combustion in Cement Rotary Kiln Inlets. <i>Energy &amp; Fuels</i> , <b>2015</b> , 29, 2729-2737	4.1	5
159	Oxidation of reduced sulfur species: carbon disulfide. <i>Journal of Physical Chemistry A</i> , <b>2014</b> , 118, 6798-8098	2.8	26
158	Modeling the Use of Sulfate Additives for Potassium Chloride Destruction in Biomass Combustion. <i>Energy &amp; Fuels</i> , <b>2014</b> , 28, 199-207	4.1	19
157	Impact of Coal Fly Ash Addition on Combustion Aerosols (PM <sub>2.5</sub> ) from Full-Scale Suspension-Firing of Pulverized Wood. <i>Energy &amp; Fuels</i> , <b>2014</b> , 28, 3217-3223	4.1	18
156	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
155	Deposit Probe Measurements in Large Biomass-Fired Grate Boilers and Pulverized-Fuel Boilers. <i>Energy &amp; Fuels</i> , <b>2014</b> , 28, 3539-3555	4.1	20
154	Release of Chlorine and Sulfur during Biomass Torrefaction and Pyrolysis. <i>Energy &amp; Fuels</i> , <b>2014</b> , 28, 3738-3746	4.1	103
153	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
152	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
151	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
150	Modeling of ferric sulfate decomposition and sulfation of potassium chloride during grate-firing of biomass. <i>AIChE Journal</i> , <b>2013</b> , 59, 4314-4324	3.6	8



149	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
148	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
147	Oxy-fuel combustion of millimeter-sized coal char: Particle temperatures and NO formation. <i>Fuel</i> , <b>2013</b> , 106, 72-78	7.1	17
146	The Use of Amine Reclaimer Wastes as a NOx Reduction Agent. <i>Energy Procedia</i> , <b>2013</b> , 37, 691-700	2.3	7
145	Post-flame gas-phase sulfation of potassium chloride. <i>Combustion and Flame</i> , <b>2013</b> , 160, 959-969	5.3	57
144	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
143	Sulfation of Condensed Potassium Chloride by SO <sub>2</sub> . <i>Energy &amp; Fuels</i> , <b>2013</b> , 27, 3283-3289	4.1	28
142	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
141	NO Reduction over Biomass and Coal Char during Simultaneous Combustion. <i>Energy &amp; Fuels</i> , <b>2013</b> , 27, 7817-7826	4.1	21
140	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
139	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
138	Oxidation of Reduced Sulfur Species: Carbonyl Sulfide. <i>International Journal of Chemical Kinetics</i> , <b>2013</b> , 45, 429-439	1.4	26
137	Reduced chemical kinetic mechanisms for NOx emission prediction in biomass combustion. <i>International Journal of Chemical Kinetics</i> , <b>2012</b> , 44, 219-231	1.4	8
136	Devolatilization and Combustion of Tire Rubber and Pine Wood in a Pilot Scale Rotary Kiln. <i>Energy &amp; Fuels</i> , <b>2012</b> , 26, 854-868	4.1	3
135	Soot Reactivity in Conventional Combustion and Oxy-fuel Combustion Environments. <i>Energy &amp; Fuels</i> , <b>2012</b> , 26, 5337-5344	4.1	19
134	NOx reduction using amine reclaimer wastes (ARW) generated in post combustion CO <sub>2</sub> capture. <i>International Journal of Greenhouse Gas Control</i> , <b>2012</b> , 10, 33-45	4.2	15
133	Inhibition of hydrogen oxidation by HBr and Br <sub>2</sub> . <i>Combustion and Flame</i> , <b>2012</b> , 159, 528-540	5.3	27
132	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

131	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
130	High pressure oxidation of C <sub>2</sub> H <sub>4</sub> /NO mixtures. <i>Proceedings of the Combustion Institute</i> , <b>2011</b> , 33, 449-457	3.9	29
129	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
128	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
127	Sulfur Release from Cement Raw Materials during Solid Fuel Combustion. <i>Energy &amp; Fuels</i> , <b>2011</b> , 25, 3917-3924	4.1	11
126	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
125	High-Temperature Release of SO <sub>2</sub> from Calcined Cement Raw Materials. <i>Energy &amp; Fuels</i> , <b>2011</b> , 25, 2917-2926	4.1	20
124	A Model for Nitrogen Chemistry in Oxy-Fuel Combustion of Pulverized Coal. <i>Energy &amp; Fuels</i> , <b>2011</b> , 25, 4280-4289	4.1	29
123	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
122	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
121	The role of NNH in NO formation and control. <i>Combustion and Flame</i> , <b>2011</b> , 158, 774-789	5.3	180
120	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
119	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
118	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
117	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
116	Numerical simulation of nitrogen oxide formation in lean premixed turbulent H <sub>2</sub> /O <sub>2</sub> /N <sub>2</sub> flames. <i>Proceedings of the Combustion Institute</i> , <b>2011</b> , 33, 1591-1599	5.9	17
115	Mixing large and small particles in a pilot scale rotary kiln. <i>Powder Technology</i> , <b>2011</b> , 210, 273-280	5.2	13
114	Predicted thermochemistry and unimolecular kinetics of nitrous sulfide. <i>Journal of Chemical Physics</i> , <b>2011</b> , 135, 094301	3.9	2

113	Particle Emissions from Domestic Gas Cookers. <i>Combustion Science and Technology</i> , <b>2010</b> , 182, 1511-1527.	7.5	15
112	A Simplified Model for Volatile-N Oxidation. <i>Energy &amp; Fuels</i> , <b>2010</b> , 24, 2883-2890	4.1	12
111	Simplified Model for Reburning Chemistry. <i>Energy &amp; Fuels</i> , <b>2010</b> , 24, 4185-4192	4.1	7
110	Oxy-fuel combustion of solid fuels. <i>Progress in Energy and Combustion Science</i> , <b>2010</b> , 36, 581-625	33.6	819
109	Ammonia chemistry in oxy-fuel combustion of methane. <i>Combustion and Flame</i> , <b>2009</b> , 156, 1937-1949	5.3	225
108	Shedding of ash deposits. <i>Progress in Energy and Combustion Science</i> , <b>2009</b> , 35, 31-56	33.6	127
107	Heterogeneous fixation of N <sub>2</sub> : Investigation of a novel mechanism for formation of NO. <i>Proceedings of the Combustion Institute</i> , <b>2009</b> , 32, 1973-1980	5.9	12
106	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
105	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
104	The rate constant for the . <i>Chemical Physics Letters</i> , <b>2009</b> , 475, 40-43	2.5	3
103	Experimental and Numerical Investigation of Gas-Phase Freeboard Combustion. Part 2: Fuel NO Formation. <i>Energy &amp; Fuels</i> , <b>2009</b> , 23, 5783-5791	4.1	8
102	Experimental and Numerical Investigation of Gas-Phase Freeboard Combustion. Part 1: Main Combustion Process. <i>Energy &amp; Fuels</i> , <b>2009</b> , 23, 5773-5782	4.1	16
101	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
100	Reburn Chemistry in Oxy-fuel Combustion of Methane. <i>Energy &amp; Fuels</i> , <b>2009</b> , 23, 3565-3572	4.1	89
99	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
98	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
97	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
96	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

95	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
94	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
93	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
92	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
91	An exploratory study of alkali sulfate aerosol formation during biomass combustion. <i>Fuel</i> , <b>2008</b> , 87, 1591-1600	7.1	82
90	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
89	Kinetics of tyre char oxidation under combustion conditions. <i>Fuel</i> , <b>2007</b> , 86, 2343-2350	7.1	13
88	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
87	Hidden interactions of trace species governing combustion and emissions. <i>Proceedings of the Combustion Institute</i> , <b>2007</b> , 31, 77-98	5.9	134
86	Homogeneous and heterogeneously catalyzed oxidation of . <i>Chemical Engineering Science</i> , <b>2007</b> , 62, 4496-4499	4.4	54
85	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
84	Experimental Investigation of Ash Deposit Shedding in a Straw-Fired Boiler. <i>Energy &amp; Fuels</i> , <b>2006</b> , 20, 512-519	4.1	28
83	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
82	Formation and reduction of nitric oxide in fixed-bed combustion of straw. <i>Fuel</i> , <b>2006</b> , 85, 705-716	7.1	76
81	Influence of potassium chloride on moist CO oxidation under reducing conditions: Experimental and kinetic modeling study. <i>Fuel</i> , <b>2006</b> , 85, 978-988	7.1	18
80	Devolatilization characteristics of large particles of tyre rubber under combustion conditions. <i>Fuel</i> , <b>2006</b> , 85, 1335-1345	7.1	57
79	Effects of mixing on ammonia oxidation in combustion environments at intermediate temperatures. <i>Proceedings of the Combustion Institute</i> , <b>2005</b> , 30, 1193-1200	5.9	19
78	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

77	Numerical modeling of straw combustion in a fixed bed. <i>Fuel</i> , <b>2005</b> , 84, 389-403	7.1	167
76	Comparative study of reactivity to CO <sub>2</sub> of cokes used in stone wool production. <i>Fuel Processing Technology</i> , <b>2005</b> , 86, 551-563	7.2	7
75	Mechanism and modeling of the formation of gaseous alkali sulfates. <i>Combustion and Flame</i> , <b>2005</b> , 141, 22-39	5.3	177
74	Propargyl recombination: estimation of the high temperature, low pressure rate constant from flame measurements. <i>Proceedings of the Combustion Institute</i> , <b>2005</b> , 30, 1023-1031	5.9	29
73	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
72	Reactivity of coal char in reducing NO. <i>Combustion and Flame</i> , <b>2004</b> , 136, 249-253	5.3	23
71	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
70	Post-processing of detailed chemical kinetic mechanisms onto CFD simulations. <i>Computers and Chemical Engineering</i> , <b>2004</b> , 28, 2351-2361	4	23
69	Experimental and Modeling Study of Biomass Reburning. <i>Energy &amp; Fuels</i> , <b>2004</b> , 18, 1442-1450	4.1	28
68	<b>2003</b> ,		235
67	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
66	Design concept to reduce fuel NO <sub>x</sub> in catalytic combustion of gasified biomass. <i>AIChE Journal</i> , <b>2003</b> , 49, 2149-2157	3.6	3
65	A kinetic issue in reburning: the fate of HCNO. <i>Combustion and Flame</i> , <b>2003</b> , 135, 357-362	5.3	50
64	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
63	Experimental investigation and modelling of heat capacity, heat of fusion and melting interval of rocks. <i>Thermochimica Acta</i> , <b>2003</b> , 406, 129-142	2.9	12
62	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
61	An experimental study of biomass ignition?. <i>Fuel</i> , <b>2003</b> , 82, 825-833	7.1	76
60	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

59	Application of a Mathematical Model of a Mineral Melting Cupola. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2003</b> , 42, 6893-6897	3.9	
58	Heat Transfer in a Fixed Bed of Straw Char. <i>Energy &amp; Fuels</i> , <b>2003</b> , 17, 1251-1258	4.1	20
57	Formation and destruction of CH <sub>2</sub> O in the exhaust system of a gas engine. <i>Environmental Science &amp; Technology</i> , <b>2003</b> , 37, 4512-6	10.3	19
56	Investigation of a Mineral Melting Cupola Furnace. Part I. Experimental Work. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2003</b> , 42, 6872-6879	3.9	5
55	Investigation of a Mineral Melting Cupola Furnace. Part II. Mathematical Modeling. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2003</b> , 42, 6880-6892	3.9	8
54	A study of benzene formation in a laminar flow reactor. <i>Proceedings of the Combustion Institute</i> , <b>2002</b> , 29, 1329-1336	5.9	30
53	Detailed modeling and laser-induced fluorescence imaging of nitric oxide in a NH <sub>3</sub> -seeded non-premixed methane/air flame. <i>Proceedings of the Combustion Institute</i> , <b>2002</b> , 29, 2195-2202	5.9	21
52	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
51	Visualization methods in analysis of detailed chemical kinetics modelling. <i>Computers &amp; Chemistry</i> , <b>2001</b> , 25, 161-70		30
50	Formation of NO from combustion of volatiles from municipal solid wastes. <i>Combustion and Flame</i> , <b>2001</b> , 124, 195-212	5.3	18
49	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
48	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
47	Modelling and experiments of straw combustion in a grate furnace. <i>Biomass and Bioenergy</i> , <b>2000</b> , 19, 199-208	5.3	130
46	Experimental investigation of no from pulverized char combustion. <i>Proceedings of the Combustion Institute</i> , <b>2000</b> , 28, 2271-2278	5.9	40
45	Exhaust Oxidation of Unburned Hydrocarbons from Lean-Burn Natural Gas Engines. <i>Combustion Science and Technology</i> , <b>2000</b> , 157, 262-292	1.5	12
44	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
43	Mixing Effects in the Selective Noncatalytic Reduction of NO. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2000</b> , 39, 3221-3232	3.9	16
42	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

41	Sulphur Chemistry in Combustion I <b>2000</b> , 263-282		10
40	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
39	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
38	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
37	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
36	Influence of coal quality on combustion performance. <i>Fuel</i> , <b>1998</b> , 77, 1317-1328	7.1	30
35	The CH <sub>3</sub> +NO rate coefficient at high temperatures: Theoretical analysis and comparison with experiment. <i>International Journal of Chemical Kinetics</i> , <b>1998</b> , 30, 223-228	1.4	19
34	Parabenzoquinone pyrolysis and oxidation in a flow reactor. <i>International Journal of Chemical Kinetics</i> , <b>1998</b> , 30, 683-697	1.4	26
33	A model of the coal reburning process. <i>Proceedings of the Combustion Institute</i> , <b>1998</b> , 27, 3027-3035		19
32	The recombination of hydrogen atoms with nitric oxide at high temperatures. <i>Proceedings of the Combustion Institute</i> , <b>1998</b> , 27, 219-226		29
31	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
30	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
29	A Chemical Engineering Model for Predicting NO Emissions and Burnout from Pulverised Coal Flames. <i>Combustion Science and Technology</i> , <b>1998</b> , 132, 251-314	1.5	29
28	A Reduced Reaction Scheme for Volatile Nitrogen Conversion in Coal Combustion. <i>Combustion Science and Technology</i> , <b>1998</b> , 131, 193-223	1.5	14
27	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
26	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
25	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
24	Residence time distributions in a cold, confined swirl flow. <i>Chemical Engineering Science</i> , <b>1997</b> , 52, 2743-2756		25

23	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
22	Kinetic NO modelling and experimental results from single wood particle combustion. <i>Fuel</i> , <b>1997</b> , 76, 671-682	7.1	24
21	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
20	Modeling of chemical reactions in afterburning for the reduction of N <sub>2</sub> O. <i>Combustion and Flame</i> , <b>1996</b> , 106, 345-358	5.3	18
19	Nitrous oxide emissions control by reburning. <i>Combustion and Flame</i> , <b>1996</b> , 107, 453-463	5.3	23
18	Nitrogen chemistry during burnout in fuel-staged combustion. <i>Combustion and Flame</i> , <b>1996</b> , 107, 211-223	3.3	101
17	Pressure effects on the thermal de-NO <sub>x</sub> process. <i>Proceedings of the Combustion Institute</i> , <b>1996</b> , 26, 2067-2074		15
16	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
15	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
14	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
13	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
12	The thermal DeNO <sub>x</sub> process: Influence of partial pressures and temperature. <i>Chemical Engineering Science</i> , <b>1995</b> , 50, 1455-1466	4.4	97
11	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
10	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
9	Kinetics of homogeneous nitrous oxide decomposition. <i>Combustion and Flame</i> , <b>1994</b> , 99, 523-532	5.3	78
8	A flow reactor study of HNCO oxidation chemistry. <i>Combustion and Flame</i> , <b>1994</b> , 98, 241-258	5.3	69
7	Characterization of a full-scale, single-burner pulverized coal boiler: temperatures, gas concentrations and nitrogen oxides. <i>Fuel</i> , <b>1994</b> , 73, 492-499	7.1	13
6	Reburning chemistry: a kinetic modeling study. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>1992</b> , 31, 1477-1490	3.9	105



5	Thermal dissociation of nitrous oxide at medium temperatures. <i>Proceedings of the Combustion Institute</i> , <b>1992</b> , 24, 917-923		24
4	A reduced mechanism for nitrogen chemistry in methane combustion. <i>Proceedings of the Combustion Institute</i> , <b>1992</b> , 24, 889-898		33
3	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
2	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
1	Release of P from Pyrolysis, Combustion, and Gasification of Biomass: A Model Compound Study. <i>Energy &amp; Fuels</i> ,	4.1	2