

Peter Glarborg

List of Publications by Year in descending order

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297
papers

19,413
citations

13078

68
h-index

15662

126
g-index

302
all docs

302
docs citations

302
times ranked

8890
citing authors

#	ARTICLE	IF	CITATIONS
1	Exploration of the NO-char reaction pathway by in-situ DRIFTS and isotope gas tracing techniques. Fuel, 2024, 361, 130634.	6.6	0
2	Plastics as a reburning fuel: Pyrolysis at reburning temperatures and NO-reburning by simulated pyrolysis gas. Fuel, 2024, 361, 130664.	6.6	1
3	An experimental, theoretical, and kinetic modeling study of gas-phase sulfation of KCl. Fuel, 2024, 363, 130974.	6.6	0
4	An experimental, theoretical, and kinetic modeling study of post-flame oxidation of ammonia. Combustion and Flame, 2024, 261, 113325.	5.3	2
5	Flow Reactor Oxidation of Ammonia-Hydrogen Fuel Mixtures. Energy & Fuels, 2024, 38, 3369-3381.	5.2	1
6	Reactions of hydrazine with the amidogen radical and atomic hydrogen. Proceedings of the Combustion Institute, 2023, 39, 571-579.	4.5	7
7	The NH ₃ + NO Reaction: A Kinetic Study. Energy & Fuels, 2023, 37, 2319-2328.	5.3	37
8	Re-evaluation of rate constants for the reaction N ₂ H ₄ (+ M) → NH ₂ + NH ₂ (+ M). Combustion and Flame, 2023, 257, 112374.	5.3	9
9	An exploratory study of phosphorus release from biomass by carbothermic reduction reactions. Proceedings of the Combustion Institute, 2023, 39, 3271-3281.	4.5	2
10	Sulfation of Gaseous KCl by H ₂ SO ₄ . Energy & Fuels, 2023, 37, 2319-2328.	5.2	2
11	Oxidation of Methane/Heptane Mixtures in a High-Pressure Flow Reactor. Energy & Fuels, 2023, 37, 3048-3055.	5.2	1
12	Release of phosphorus from thermal conversion of phosphorus-rich biomass chars: Evidence for carbothermic reduction of phosphates. Fuel, 2023, 341, 127706.	6.6	2
13	Probing High-Temperature Amine Chemistry: Is the Reaction NH ₃ + NH ₂ → N ₂ H ₃ + H ₂ Important?. Journal of Physical Chemistry A, 2023, 127, 2601-2607.	2.6	11
14	Review of Phosphorus Chemistry in the Thermal Conversion of Biomass: Progress and Perspectives. Energy & Fuels, 2023, 37, 6907-6998.	5.2	13
15	High pressure oxidation of NH ₃ /heptane mixtures. Combustion and Flame, 2023, 254, 112785.	5.3	28
16	Investigating the Interaction between Ilmenite and Zinc for Chemical Looping. Energy & Fuels, 2023, 37, 7856-7870.	5.2	3
17	High-pressure oxidation of n-butane. International Journal of Chemical Kinetics, 2023, 55, 688-706.	1.7	1
18	Re-Examination of the N ₂ O + O Reaction. Journal of Physical Chemistry A, 2023, 127, 6521-6531.	2.6	4

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19	Theoretical Kinetics Predictions for Reactions on the NH ₂ O Potential Energy Surface. Journal of Physical Chemistry A, 2023, 127, 8650-8662.	2.6	6
20	Theoretical kinetics predictions for NH ₂ HO ₂ . Combustion and Flame, 2022, 236, 111787.	5.3	45
21	Assessment of the effect of alkali chemistry on post-flame aerosol formation during oxy-combustion of biomass. Fuel, 2022, 311, 122521.	6.6	7
22	Challenges in Kinetic modeling of ammonia pyrolysis. Fuel Communications, 2022, 10, 100049.	5.3	38
23	Oxidation Kinetics of Methane and Methane/Methanol Mixtures in Supercritical Water. Industrial & Engineering Chemistry Research, 2022, 61, 3889-3899.	3.8	2
24	Kinetic Model for High-Pressure Methanol Oxidation in Gas Phase and Supercritical Water. Energy & Fuels, 2022, 36, 575-588.	5.2	10
25	A reaction mechanism for ozone dissociation and reaction with hydrogen at elevated temperature. Fuel, 2022, 322, 124138.	6.6	24
26	An experimental and modeling study on auto-ignition kinetics of ammonia/methanol mixtures at intermediate temperature and high pressure. Combustion and Flame, 2022, 242, 112160.	5.3	50
27	Participation of alkali and sulfur in ammonia combustion chemistry: Investigation for ammonia/solid fuel co-firing applications. Combustion and Flame, 2022, 244, 112236.	5.3	11
28	Thermal Conversion of Sodium Phytate Using the Oxygen Carrier Ilmenite Interaction with Na-Phosphate and Its Effect on Reactivity. Energy & Fuels, 2022, 36, 9423-9436.	5.2	4
29	n-Heptane oxidation in a high-pressure flow reactor. International Journal of Chemical Kinetics, 2022, 54, 669-678.	1.7	4
30	Theoretical and kinetic modeling study of chloromethane (CH ₃ Cl) pyrolysis and oxidation. International Journal of Chemical Kinetics, 2021, 53, 403-418.	1.7	3
31	Experimental and kinetic modeling study of oxidation of acetonitrile. Proceedings of the Combustion Institute, 2021, 38, 575-583.	4.5	16
32	Effect of gasification reactions on biomass char conversion under pulverized fuel combustion conditions. Proceedings of the Combustion Institute, 2021, 38, 3919-3928.	4.5	7
33	Acetaldehyde oxidation at elevated pressure. Proceedings of the Combustion Institute, 2021, 38, 269-278.	4.5	8
34	Quantitative K-Cl-S chemistry in thermochemical conversion processes using in situ optical diagnostics. Proceedings of the Combustion Institute, 2021, 38, 5219-5227.	4.5	10
35	Kinetic modeling of urea decomposition and byproduct formation. Chemical Engineering Science, 2021, 230, 116138.	4.0	14
36	Determination of Zero Dimensional, Apparent Devolatilization Kinetics for Biomass Particles at Suspension Firing Conditions. Energies, 2021, 14, 1018.	3.2	3

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37	Review on Ammonia as a Potential Fuel: From Synthesis to Economics. Energy & Fuels, 2021, 35, 6964-7029.	5.2	504
38	On the Rate Constant for $\text{NH}_2 + \text{HO}_2$ and Third-Body Collision Efficiencies for $\text{NH}_2 + \text{H} (+\text{M})$ and $\text{NH}_2 + \text{NH}_2 (+\text{M})$. Journal of Physical Chemistry A, 2021, 125, 1505-1516.	2.6	53
39	NO emission from cement calciners firing coal and petcoke: A CPFD study. Applications in Energy and Combustion Science, 2021, 5, 100023.	1.6	6
40	Special Issue in Memory of Professor Mário Costa. Energy & Fuels, 2021, 35, 6935-6939.	5.2	0
41	Combustion chemistry in the twenty-first century: Developing theory-informed chemical kinetics models. Progress in Energy and Combustion Science, 2021, 83, 100886.	32.4	105
42	Kinetic modeling of carbon monoxide oxidation and water gas shift reaction in supercritical water. Journal of Supercritical Fluids, 2021, 171, 105165.	3.3	6
43	Modeling the decomposition and byproduct formation of a urea-water-solution droplet. Chemical Engineering Science, 2021, 237, 116587.	4.0	3
44	Particulate emissions from a modern wood stove – Influence of KCl. Renewable Energy, 2021, 170, 1215-1227.	9.0	13
45	Self-heating and thermal runaway of biomass – Lab-scale experiments and modeling for conditions resembling power plant mills. Fuel, 2021, 294, 120281.	6.6	6
46	Selective Noncatalytic Reduction of NO_x Using Ammonium Sulfate. Energy & Fuels, 2021, 35, 12392-12402.	5.2	7
47	Evaluation of a Semiglobal Approach for Modeling Methane/n-Heptane Dual-Fuel Ignition. Energy & Fuels, 2021, 35, 14042-14050.	5.2	4
48	Modeling Potassium Capture by Aluminosilicate, Part 1: Kaolin. Energy & Fuels, 2021, 35, 13984-13998.	5.2	7
49	Release of P from Pyrolysis, Combustion, and Gasification of Biomass – A Model Compound Study. Energy & Fuels, 2021, 35, 15817-15830.	5.2	15
50	New reactions of diazene and related species for modelling combustion of amine fuels. Molecular Physics, 2021, 119, .	1.7	21
51	Influence of potassium on benzene and soot formation in fuel-rich oxidation of methane in a laminar flow reactor. Combustion and Flame, 2021, 234, 111624.	5.3	5
52	Modeling Potassium Capture by Aluminosilicate, Part 2: Coal Fly Ash. Energy & Fuels, 2021, 35, 19725-19736.	5.2	4
53	Experimental and modelling study on the influence of wood type, density, water content, and temperature on wood devolatilization. Fuel, 2020, 260, 116410.	6.6	20
54	The influence of size and morphology on devolatilization of biomass particles. Fuel, 2020, 264, 116755.	6.6	17

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55	A Rhodium-Based Methane Oxidation Catalyst with High Tolerance to H ₂ O and SO ₂ . ACS Catalysis, 2020, 10, 1821-1827.	11.7	35
56	Oxidation of methylamine. International Journal of Chemical Kinetics, 2020, 52, 893-906.	1.7	32
57	Influence of the support on rhodium speciation and catalytic activity of rhodium-based catalysts for total oxidation of methane. Catalysis Science and Technology, 2020, 10, 6035-6044.	4.2	8
58	Development of a Detailed Kinetic Model for Hydrogen Oxidation in Supercritical H ₂ O/CO ₂ Mixtures. Energy & Fuels, 2020, 34, 15379-15388.	5.2	21
59	Optical measurements of KOH, KCl and K for quantitative K-Cl chemistry in thermochemical conversion processes. Fuel, 2020, 271, 117643.	6.6	23
60	Sulfur poisoning and regeneration of Rh-ZSM-5 catalysts for total oxidation of methane. Applied Catalysis B: Environmental, 2020, 277, 119176.	20.7	25
61	Spillback nozzle characterization using pulsating LED shadowgraphy. Experimental Thermal and Fluid Science, 2020, 119, 110172.	2.8	3
62	Experimental investigation and mathematical modeling of the reaction between SO ₂ (g) and CaCO ₃ (s)-containing micelles in lube oil for large two-stroke marine diesel engines. Chemical Engineering Journal, 2020, 388, 124188.	13.0	8
63	Experimental and numerical analysis of the autoignition behavior of NH ₃ and NH ₃ /H ₂ mixtures at high pressure. Combustion and Flame, 2020, 215, 134-144.	5.3	164
64	Shedding light on the governing mechanisms for insufficient CO and H ₂ burnout in the presence of potassium, chlorine and sulfur. Fuel, 2020, 273, 117762.	6.6	21
65	Autoignition studies of NH ₃ /CH ₄ mixtures at high pressure. Combustion and Flame, 2020, 218, 19-26.	5.3	115
66	The C ₂ H ₂ + NO ₂ reaction: Implications for high pressure oxidation of C ₂ H ₂ /NO _x mixtures. Proceedings of the Combustion Institute, 2019, 37, 469-476.	4.5	17
67	Biomass fly ash deposition in an entrained flow reactor. Proceedings of the Combustion Institute, 2019, 37, 2689-2696.	4.5	21
68	High-pressure oxidation of propane. Proceedings of the Combustion Institute, 2019, 37, 461-468.	4.5	50
69	CPFD simulation of petcoke and SRF co-firing in a full-scale cement calciner. Fuel Processing Technology, 2019, 196, 106153.	7.3	22
70	Kinetic Parameters for Biomass under Self-Ignition Conditions: Low-Temperature Oxidation and Pyrolysis. Energy & Fuels, 2019, 33, 8606-8619.	5.2	11
71	Skeletal mechanisms for prediction of NO_x emission in solid fuel combustion. Fuel, 2019, 254, 115569.	6.6	27
72	Potassium capture by coal fly ash: K ₂ CO ₃ , KCl and K ₂ SO ₄ . Fuel Processing Technology, 2019, 194, 106115.	7.3	34

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73	Detailed Kinetic Mechanisms of Pollutant Formation in Combustion Processes. Computer Aided Chemical Engineering, 2019, , 603-645.	0.1	15
74	Formation of NO and N ₂ O during Raw and Demineralized Biomass Char Combustion. Energy & Fuels, 2019, 33, 5304-5315.	5.2	13
75	High-pressure pyrolysis and oxidation of DME and DME/CH ₄ . Combustion and Flame, 2019, 205, 80-92.	5.3	63
76	KOH capture by coal fly ash. Fuel, 2019, 242, 828-836.	6.6	27
77	Modeling post-flame sulfation of KCl and KOH in bio-dust combustion with full and simplified mechanisms. Fuel, 2019, 258, 116147.	6.6	20
78	Reactivity of sewage sludge, RDF, and straw chars towards NO. Fuel, 2019, 236, 297-305.	6.6	26
79	Mixed Flow Reactor Experiments and Modeling of Sulfuric Acid Neutralization in Lube Oil for Large Two-Stroke Diesel Engines. Industrial & Engineering Chemistry Research, 2019, 58, 138-155.	3.8	7
80	Effects of ambient pressure on ignition and flame characteristics in diesel spray combustion. Fuel, 2019, 237, 676-685.	6.6	34
81	Influence of H ₂ O on NO formation during char oxidation of biomass. Fuel, 2019, 235, 1260-1265.	6.6	16
82	Potassium Capture by Kaolin, Part 2: K ₂ CO ₃ , KCl, and K ₂ SO ₄ . Energy & Fuels, 2018, 32, 3566-3578.	5.2	41
83	Modeling nitrogen chemistry in combustion. Progress in Energy and Combustion Science, 2018, 67, 31-68.	32.4	1,151
84	Measurements of the NO _x precursors and major species concentrations above the grate at a waste-to-energy plant. Fuel, 2018, 222, 475-484.	6.6	13
85	High-pressure pyrolysis and oxidation of ethanol. Fuel, 2018, 218, 247-257.	6.6	39
86	Potassium Capture by Kaolin, Part 1: KOH. Energy & Fuels, 2018, 32, 1851-1862.	5.2	35
87	<i>Ab initio</i> calculations and kinetic modeling of thermal conversion of methyl chloride: implications for gasification of biomass. Physical Chemistry Chemical Physics, 2018, 20, 10741-10752.	2.9	8
88	Tensile Adhesion Strength of Biomass Ash Deposits: Effect of the Temperature Gradient and Ash Chemistry. Energy & Fuels, 2018, 32, 4432-4441.	5.2	21
89	Optical investigation of gas-phase KCl/KOH sulfation in post flame conditions. Fuel, 2018, 224, 461-468.	6.6	32
90	High Heating Rate Devolatilization Kinetics of Pulverized Biomass Fuels. Energy & Fuels, 2018, 32, 12955-12961.	5.2	13

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91	Experimental and CPFD study of gas–solid flow in a cold pilot calciner. Powder Technology, 2018, 340, 99-115.	4.3	22
92	Theory and modeling of relevance to prompt-NO formation at high pressure. Combustion and Flame, 2018, 195, 3-17.	5.3	60
93	Aerodynamic and Physical Characterization of Refuse Derived Fuel. Energy & Fuels, 2018, 32, 7685-7700.	5.2	10
94	Density Functional Theory Study of the Role of an Carbon–Oxygen Single Bond Group in the NO–Char Reaction. Energy & Fuels, 2018, 32, 7734-7744.	5.2	34
95	Experiments and modeling of single plastic particle conversion in suspension. Fuel Processing Technology, 2018, 178, 213-225.	7.3	7
96	Predicting Biomass Char Yield from High Heating Rate Devolatilization Using Chemometrics. Energy & Fuels, 2018, 32, 9572-9580.	5.2	10
97	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. Applied Energy, 2017, 193, 60-73.	10.3	23
98	High-pressure oxidation of ethane. Combustion and Flame, 2017, 182, 150-166.	5.3	77
99	Release and transformation of chlorine and potassium during pyrolysis of KCl doped biomass. Fuel, 2017, 197, 422-432.	6.6	71
100	Mechanistic Model for Ash Deposit Formation in Biomass Suspension Firing. Part 1: Model Verification by Use of Entrained Flow Reactor Experiments. Energy & Fuels, 2017, 31, 2771-2789.	5.2	19
101	Mechanistic Model for Ash Deposit Formation in Biomass Suspension Firing. Part 2: Model Verification by Use of Full-Scale Tests. Energy & Fuels, 2017, 31, 2790-2802.	5.2	6
102	Fly Ash Formation during Suspension Firing of Biomass: Effects of Residence Time and Fuel Type. Energy & Fuels, 2017, 31, 555-570.	5.2	27
103	Reaction Mechanisms. , 2017, , 481-520.		0
104	Impact of KCl impregnation on single particle combustion of wood and torrefied wood. Fuel, 2017, 206, 684-689.	6.6	17
105	Deposit Shedding in Biomass-Fired Boilers: Shear Adhesion Strength Measurements. Energy & Fuels, 2017, 31, 8733-8741.	5.2	18
106	An Exploratory Flow Reactor Study of H ₂ S Oxidation at 30–100 Bar. International Journal of Chemical Kinetics, 2017, 49, 37-52.	1.7	40
107	New insights in the low-temperature oxidation of acetylene. Proceedings of the Combustion Institute, 2017, 36, 355-363.	4.5	45
108	Experimental and Modeling Investigation of the Effect of H ₂ S Addition to Methane on the Ignition and Oxidation at High Pressures. Energy & Fuels, 2017, 31, 2175-2182.	5.2	38

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109	Importance of the Hydrogen Isocyanide Isomer in Modeling Hydrogen Cyanide Oxidation in Combustion. <i>Energy & Fuels</i> , 2017, 31, 2156-2163.	5.2	23
110	Reaction of Sulfuric Acid in Lube Oil: Implications for Large Two-Stroke Diesel Engines. , 2017, , .		3
111	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> , 2016, 171, 468-482.	10.3	84
112	Screening of NiFe ₂ O ₄ Nanoparticles as Oxygen Carrier in Chemical Looping Hydrogen Production. <i>Energy & Fuels</i> , 2016, 30, 4251-4262.	5.2	94
113	Defluidization in fluidized bed gasifiers using high-alkali content fuels. <i>Biomass and Bioenergy</i> , 2016, 91, 160-174.	5.9	23
114	Influence of Torrefaction on Single Particle Combustion of Wood. <i>Energy & Fuels</i> , 2016, 30, 5772-5778.	5.2	29
115	Experimental and Kinetic Modeling Study of Nitroethane Pyrolysis at a Low Pressure: Competition Reactions in the Primary Decomposition. <i>Energy & Fuels</i> , 2016, 30, 7738-7745.	5.2	12
116	Experimental and Kinetic Modeling Study of C ₂ H ₂ Oxidation at High Pressure. <i>International Journal of Chemical Kinetics</i> , 2016, 48, 724-738.	1.7	68
117	High-pressure oxidation of methane. <i>Combustion and Flame</i> , 2016, 172, 349-364.	5.3	168
118	Importance of Vanadium-Catalyzed Oxidation of SO ₂ to SO ₃ in Two-Stroke Marine Diesel Engines. <i>Energy & Fuels</i> , 2016, 30, 6098-6102.	5.2	13
119	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> , 2016, 94, 117-129.	5.9	71
120	Inhibition and Promotion of Pyrolysis by Hydrogen Sulfide (H ₂ S) and Sulfanyl Radical (SH). <i>Journal of Physical Chemistry A</i> , 2016, 120, 8941-8948.	2.6	24
121	Ammonia oxidation at high pressure and intermediate temperatures. <i>Fuel</i> , 2016, 181, 358-365.	6.6	259
122	Interactive Matching between the Temperature Profile and Secondary Reactions of Oil Shale Pyrolysis. <i>Energy & Fuels</i> , 2016, 30, 2865-2873.	5.2	23
123	Extension of apparent devolatilization kinetics from thermally thin to thermally thick particles in zero dimensions for woody biomass. <i>Energy</i> , 2016, 95, 279-290.	9.0	33
124	Behavior of Alkali Metals and Ash in a Low-Temperature Circulating Fluidized Bed (LTCFB) Gasifier. <i>Energy & Fuels</i> , 2016, , .	5.2	4
125	Comparison of high temperature chars of wheat straw and rice husk with respect to chemistry, morphology and reactivity. <i>Biomass and Bioenergy</i> , 2016, 86, 76-87.	5.9	61
126	Devolatilization kinetics of woody biomass at short residence times and high heating rates and peak temperatures. <i>Applied Energy</i> , 2016, 162, 245-256.	10.3	36

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127	Effect of fast pyrolysis conditions on biomass solid residues at high temperatures. Fuel Processing Technology, 2016, 143, 118-129.	7.3	62
128	Formation of NO from N ₂ /O ₂ Mixtures in a Flow Reactor: Toward an Accurate Prediction of Thermal NO. International Journal of Chemical Kinetics, 2015, 47, 518-532.	1.7	71
129	The Reaction Kinetics of Amino Radicals with Sulfur Dioxide. Zeitschrift Fur Physikalische Chemie, 2015, 229, 1649-1661.	2.8	6
130	Ab initio and kinetic modeling studies of formic acid oxidation. Proceedings of the Combustion Institute, 2015, 35, 153-160.	4.5	47
131	Glyoxal Oxidation Mechanism: Implications for the Reactions HCO + O ₂ and OCHCHO + HO ₂ . Journal of Physical Chemistry A, 2015, 119, 7305-7315.	2.6	26
132	Temperature and Pressure Dependence of the Reaction S + CS (+M) → CS ₂ (+M). Journal of Physical Chemistry A, 2015, 119, 7277-7281.	2.6	5
133	SO ₂ Release as a Consequence of Alternative Fuel Combustion in Cement Rotary Kiln Inlets. Energy & Fuels, 2015, 29, 2729-2737.	5.2	6
134	Review: Circulation of Inorganic Elements in Combustion of Alternative Fuels in Cement Plants. Energy & Fuels, 2015, 29, 4076-4099.	5.2	41
135	High-temperature chemistry of HCl and Cl ₂ . Combustion and Flame, 2015, 162, 2693-2704.	5.3	46
136	Rate Constant and Thermochemistry for K + O ₂ + N ₂ = KO ₂ + N ₂ . Journal of Physical Chemistry A, 2015, 119, 3329-3336.	2.6	20
137	Influence of fast pyrolysis conditions on yield and structural transformation of biomass chars. Fuel Processing Technology, 2015, 140, 205-214.	7.3	98
138	Hydrogen oxidation at high pressure and intermediate temperatures: Experiments and kinetic modeling. Proceedings of the Combustion Institute, 2015, 35, 553-560.	4.5	92
139	A Development of EMAS (Easy Maintenance Assistance Solution) for Industrial Gas Turbine Engine. , 2014, , .		0
140	Oxidation of Reduced Sulfur Species: Carbon Disulfide. Journal of Physical Chemistry A, 2014, 118, 6798-6809.	2.6	40
141	Modeling the Use of Sulfate Additives for Potassium Chloride Destruction in Biomass Combustion. Energy & Fuels, 2014, 28, 199-207.	5.2	27
142	Impact of Coal Fly Ash Addition on Combustion Aerosols (PM _{2.5}) from Full-Scale Suspension-Firing of Pulverized Wood. Energy & Fuels, 2014, 28, 3217-3223.	5.2	27
143	NO Formation during Oxy-Fuel Combustion of Coal and Biomass Chars. Energy & Fuels, 2014, 28, 4684-4693.	5.2	35
144	Deposit Probe Measurements in Large Biomass-Fired Grate Boilers and Pulverized-Fuel Boilers. Energy & Fuels, 2014, 28, 3539-3555.	5.2	23

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145	Release of Chlorine and Sulfur during Biomass Torrefaction and Pyrolysis. Energy & Fuels, 2014, 28, 3738-3746.	5.2	134
146	Partitioning of K, Cl, S and P during combustion of poplar and brassica energy crops. Fuel, 2014, 134, 209-219.	6.6	47
147	Experimental and Kinetic Modeling Study of Methanol Ignition and Oxidation at High Pressure. International Journal of Chemical Kinetics, 2013, 45, 283-294.	1.7	58
148	Experimental and detailed kinetic modeling study of PAH formation in laminar co-flow methane diffusion flames. Proceedings of the Combustion Institute, 2013, 34, 1811-1818.	4.5	32
149	Modeling of ferric sulfate decomposition and sulfation of potassium chloride during grate-firing of biomass. AIChE Journal, 2013, 59, 4314-4324.	3.6	10
150	An experimental and kinetic modeling study of premixed nitroethane flames at low pressure. Proceedings of the Combustion Institute, 2013, 34, 617-624.	4.5	30
151	Release of K, Cl, and S during combustion and co-combustion with wood of high-chlorine biomass in bench and pilot scale fuel beds. Proceedings of the Combustion Institute, 2013, 34, 2363-2372.	4.5	95
152	Oxy-fuel combustion of millimeter-sized coal char: Particle temperatures and NO formation. Fuel, 2013, 106, 72-78.	6.6	22
153	The Use of Amine Reclaimer Wastes as a NO _x Reduction Agent. Energy Procedia, 2013, 37, 691-700.	1.8	8
154	Post-flame gas-phase sulfation of potassium chloride. Combustion and Flame, 2013, 160, 959-969.	5.3	72
155	Impact of coal fly ash addition on ash transformation and deposition in a full-scale wood suspension-firing boiler. Fuel, 2013, 113, 632-643.	6.6	66
156	Sulfation of Condensed Potassium Chloride by SO ₂ . Energy & Fuels, 2013, 27, 3283-3289.	5.2	32
157	Trace elements in co-combustion of solid recovered fuel and coal. Fuel Processing Technology, 2013, 105, 212-221.	7.3	58
158	NO Reduction over Biomass and Coal Char during Simultaneous Combustion. Energy & Fuels, 2013, 27, 7817-7826.	5.2	25
159	Experimental Study on Effects of Particle Shape and Operating Conditions on Combustion Characteristics of Single Biomass Particles. Energy & Fuels, 2013, 27, 507-514.	5.2	71
160	Rate Constant and Branching Fraction for the NH ₂ + NO ₂ Reaction. Journal of Physical Chemistry A, 2013, 117, 9011-9022.	2.6	43
161	Oxidation of Reduced Sulfur Species: Carbonyl Sulfide. International Journal of Chemical Kinetics, 2013, 45, 429-439.	1.7	41
162	Devolatilization and Combustion of Tire Rubber and Pine Wood in a Pilot Scale Rotary Kiln. Energy & Fuels, 2012, 26, 854-868.	5.2	5

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163	Soot Reactivity in Conventional Combustion and Oxy-fuel Combustion Environments. Energy & Fuels, 2012, 26, 5337-5344.	5.2	24
164	NO _x reduction using amine reclaimer wastes (ARW) generated in post combustion CO ₂ capture. International Journal of Greenhouse Gas Control, 2012, 10, 33-45.	4.6	18
165	Inhibition of hydrogen oxidation by HBr and Br ₂ . Combustion and Flame, 2012, 159, 528-540.	5.3	32
166	Fuel-nitrogen conversion in the combustion of small amines using dimethylamine and ethylamine as biomass-related model fuels. Combustion and Flame, 2012, 159, 2254-2279.	5.3	86
167	Reduced chemical kinetic mechanisms for NO _x emission prediction in biomass combustion. International Journal of Chemical Kinetics, 2012, 44, 219-231.	1.7	13
168	Sulfur Release from Cement Raw Materials during Solid Fuel Combustion. Energy & Fuels, 2011, 25, 3917-3924.	5.2	12
169	Dust-Firing of Straw and Additives: Ash Chemistry and Deposition Behavior. Energy & Fuels, 2011, 25, 2862-2873.	5.2	59
170	High-Temperature Release of SO ₂ from Calcined Cement Raw Materials. Energy & Fuels, 2011, 25, 2917-2926.	5.2	25
171	A Model for Nitrogen Chemistry in Oxy-Fuel Combustion of Pulverized Coal. Energy & Fuels, 2011, 25, 4280-4289.	5.2	45
172	Release of K, Cl, and S during Pyrolysis and Combustion of High-Chlorine Biomass. Energy & Fuels, 2011, 25, 4961-4971.	5.2	324
173	Release and Transformation of Inorganic Elements in Combustion of a High-Phosphorus Fuel. Energy & Fuels, 2011, 25, 2874-2886.	5.2	71
174	Computer-Aided Modeling Framework for Efficient Model Development, Analysis, and Identification: Combustion and Reactor Modeling. Industrial & Engineering Chemistry Research, 2011, 50, 5253-5265.	3.8	24
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