Peter Glarborg

List of Publications by Year
in descending order

297	19,413	13078	15662
papers	citations	h-index	g-index

302	302	302	8890
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Modeling nitrogen chemistry in combustion. Progress in Energy and Combustion Science, 2018, 67, 31-68.	32.4	1,151
2	Oxy-fuel combustion of solid fuels. Progress in Energy and Combustion Science, 2010, 36, 581-625.	32.4	963
3	Fuel nitrogen conversion in solid fuel fired systems. Progress in Energy and Combustion Science, 2003, 29, 89-113.	32.4	787
4	Review on Ammonia as a Potential Fuel: From Synthesis to Economics. Energy & Fuels, 2021, 35, 6964-7029.	5.2	504
5	Kinetic Modeling of Hydrocarbon/Nitric Oxide Interactions in a Flow Reactor. Combustion and Flame, 1998, 115, 1-27.	5.3	481
6	An experimental and kinetic modeling study of premixed NH3/CH4/O2/Ar flames at low pressure. Combustion and Flame, 2009, 156, 1413-1426.	5.3	413
7	Kinetic modeling and sensitivity analysis of nitrogen oxide formation in well-stirred reactors. Combustion and Flame, 1986, 65, 177-202.	5.3	403
8	Chemical Effects of a High CO₂ Concentration in Oxy-Fuel Combustion of Methane. Energy & Fuels, 2008, 22, 291-296.	5.2	356
9	Ammonia chemistry in oxy-fuel combustion of methane. Combustion and Flame, 2009, 156, 1937-1949.	5.3	348
10	The role of NNH in NO formation and control. Combustion and Flame, 2011, 158, 774-789.	5.3	329
11	Release of K, Cl, and S during Pyrolysis and Combustion of High-Chlorine Biomass. Energy & Fuels, 2011, 25, 4961-4971.	5.2	324
12	The oxidation of hydrogen cyanide and related chemistry. Progress in Energy and Combustion Science, 2008, 34, 1-46.	32.4	319
13	Ammonia oxidation at high pressure and intermediate temperatures. Fuel, 2016, 181, 358-365.	6.6	259
14	Release to the Gas Phase of Inorganic Elements during Wood Combustion. Part 2: Influence of Fuel Composition. Energy & Fuels, 2008, 22, 1598-1609.	5.2	258
15	Ammonia chemistry below 1400ÂK under fuel-rich conditions in a flow reactor. Combustion and Flame, 2004, 136, 501-518.	5.3	237
16	Global Combustion Mechanisms for Use in CFD Modeling under Oxy-Fuel Conditions. Energy & Fuels, 2009, 23, 1379-1389.	5.2	230
17	Mechanism and modeling of the formation of gaseous alkali sulfates. Combustion and Flame, 2005, 141, 22-39.	5.3	206
18	Release to the Gas Phase of Inorganic Elements during Wood Combustion. Part 1:â€‰ Development and Evaluation of Quantification Methods. Energy & Fuels, 2006, 20, 964-978.	5.2	184

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19	Numerical modeling of straw combustion in a fixed bed. Fuel, 2005, 84, 389-403.	6.6	181
20	Experimental measurements and kinetic modeling of CO/H₂/O₂/NO_x conversion at high pressure. International Journal of Chemical Kinetics, 2008, 40, 454-480.	1.7	168
21	High-pressure oxidation of methane. Combustion and Flame, 2016, 172, 349-364.	5.3	168
22	Hidden interactionsâ€"Trace species governing combustion and emissions. Proceedings of the Combustion Institute, 2007, 31, 77-98.	4.5	166
23	Experimental and numerical analysis of the autoignition behavior of NH3 and NH3/H2 mixtures at high pressure. Combustion and Flame, 2020, 215, 134-144.	5.3	164
24	Modeling the thermal DENOx process in flow reactors. Surface effects and Nitrous Oxide formation. International Journal of Chemical Kinetics, 1994, 26, 421-436.	1.7	161
25	Formation of polycyclic aromatic hydrocarbons and soot in fuel-rich oxidation of methane in a laminar flow reactor. Combustion and Flame, 2004, 136, 91-128.	5.3	160
26	Inhibition and sensitization of fuel oxidation by SO2. Combustion and Flame, 2001, 127, 2234-2251.	5.3	151
27	Shedding of ash deposits. Progress in Energy and Combustion Science, 2009, 35, 31-56.	32.4	150
28	Modelling and experiments of straw combustion in a grate furnace. Biomass and Bioenergy, 2000, 19, 199-208.	5.9	143
29	Impact of SO2 and NO on CO oxidation under post-flame conditions. International Journal of Chemical Kinetics, 1996, 28, 773-790.	1.7	141
30	Modeling the thermal De-NOx process: Closing in on a final solution. International Journal of Chemical Kinetics, 1999, 31, 757-765.	1.7	141
31	The thermal DeNOx process: Influence of partial pressures and temperature. Chemical Engineering Science, 1995, 50, 1455-1466.	4.0	136
32	Release of Chlorine and Sulfur during Biomass Torrefaction and Pyrolysis. Energy & Fuels, 2014, 28, 3738-3746.	5.2	134
33	Experimental and kinetic modeling study of the oxidation of benzene. International Journal of Chemical Kinetics, 2000, 32, 498-522.	1.7	124
34	Sensitizing effects of NOx on CH4 oxidation at high pressure. Combustion and Flame, 2008, 154, 529-545.	5.3	124
35	Nitrogen chemistry during burnout in fuel-staged combustion. Combustion and Flame, 1996, 107, 211-222.	5.3	123
36	Reburning chemistry: a kinetic modeling study. Industrial & Engineering Chemistry Research, 1992, 31, 1477-1490.	3.8	119

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37	Autoignition studies of NH3/CH4 mixtures at high pressure. Combustion and Flame, 2020, 218, 19-26.	5.3	115
38	The reaction of ammonia with nitrogen dioxide in a flow reactor: Implications for the NH2 + NO2 reaction. International Journal of Chemical Kinetics, 1995, 27, 1207-1220.	1.7	113
39	Low temperature interactions between hydrocarbons and nitric oxide: An experimental study. Combustion and Flame, 1997, 109, 25-36.	5.3	113
40	Heat transfer in ash deposits: A modelling tool-box. Progress in Energy and Combustion Science, 2005, 31, 371-421.	32.4	113
41	Reburn Chemistry in Oxy-fuel Combustion of Methane. Energy & Fuels, 2009, 23, 3565-3572.	5.2	113
42	Influence of process parameters on nitrogen oxide formation in pulverized coal burners. Progress in Energy and Combustion Science, 1997, 23, 349-377.	32.4	112
43	Nitric Oxide Reduction by Non-hydrocarbon Fuels. Implications for Reburning with Gasification Gases. Energy & Fuels, 2000, 14, 828-838.	5.2	109
44	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
45	Low temperature oxidation of methane: the influence of nitrogen oxides. Combustion Science and Technology, 2000, 151, 31-71.	2.1	104
46	Influence of fast pyrolysis conditions on yield and structural transformation of biomass chars. Fuel Processing Technology, 2015, 140, 205-214.	7.3	98
47	Ammonia conversion and NOx formation in laminar coflowing nonpremixed methane-air flames. Combustion and Flame, 2002, 131, 285-298.	5.3	97
48	Kinetics of homogeneous nitrous oxide decomposition. Combustion and Flame, 1994, 99, 523-532.	5.3	96
49	An exploratory study of alkali sulfate aerosol formation during biomass combustion. Fuel, 2008, 87, 1591-1600.	6.6	95
50	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
51	Screening of NiFe₂O₄ Nanoparticles as Oxygen Carrier in Chemical Looping Hydrogen Production. Energy & Fuels, 2016, 30, 4251-4262.	5.2	94
52	Experimental and kinetic modeling study of the effect of NO and SO2 on the oxidation of CO?H2 mixtures. International Journal of Chemical Kinetics, 2003, 35, 564-575.	1.7	93
53	Mechanism and modeling of hydrogen cyanide oxidation in a flow reactor. Combustion and Flame, 1994, 99, 475-483.	5.3	92
54	An experimental study of biomass ignitionâ˜†. Fuel, 2003, 82, 825-833.	6.6	92

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55	Hydrogen oxidation at high pressure and intermediate temperatures: Experiments and kinetic modeling. Proceedings of the Combustion Institute, 2015, 35, 553-560.	4.5	92
56	Formation and reduction of nitric oxide in fixed-bed combustion of straw. Fuel, 2006, 85, 705-716.	6.6	90
57	Mechanisms of radical removal by SO2. Proceedings of the Combustion Institute, 2007, 31, 339-347.	4.5	90
58	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
59	Effects of several types of biomass fuels on the yield, nanostructure and reactivity of soot from fast pyrolysis at high temperatures. Applied Energy, 2016, 171, 468-482.	10.3	84
60	A flow reactor study of HNCO oxidation chemistry. Combustion and Flame, 1994, 98, 241-258.	5.3	78
61	Oxidation of formaldehyde and its interaction with nitric oxide in a flow reactor. Combustion and Flame, 2003, 132, 629-638.	5.3	77
62	High-pressure oxidation of ethane. Combustion and Flame, 2017, 182, 150-166.	5.3	77
63	Nitromethane dissociation: Implications for the CH3 + NO2 reaction. International Journal of Chemical Kinetics, 1999, 31, 591-602.	1.7	74
64	Interactions of CO, NOxand H2O Under Post-Flame Conditions. Combustion Science and Technology, 1995, 110-111, 461-485.	2.1	73
65	Devolatilization characteristics of large particles of tyre rubber under combustion conditions. Fuel, 2006, 85, 1335-1345.	6.6	73
66	Ignition-promoting effect of NO2 on methane, ethane and methane/ethane mixtures in a rapid compression machine. Proceedings of the Combustion Institute, 2011, 33, 433-440.	4.5	72
67	Post-flame gas-phase sulfation of potassium chloride. Combustion and Flame, 2013, 160, 959-969.	5.3	72
68	Experimental measurements and kinetic modeling of CH₄/O₂ and CH₄/C₂H₆/O₂ conversion at high pressure. International Journal of Chemical Kinetics, 2008, 40, 778-807.	1.7	71
69	Release and Transformation of Inorganic Elements in Combustion of a High-Phosphorus Fuel. Energy & Fuels, 2011, 25, 2874-2886.	5.2	71
70	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
71	Formation of NO from N₂/O₂ Mixtures in a Flow Reactor: Toward an Accurate Prediction of Thermal NO. International Journal of Chemical Kinetics, 2015, 47, 518-532.	1.7	71
72	Characterization of free radicals by electron spin resonance spectroscopy in biochars from pyrolysis at high heating rates and at high temperatures. Biomass and Bioenergy, 2016, 94, 117-129.	5.9	71

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73	Release and transformation of chlorine and potassium during pyrolysis of KCl doped biomass. Fuel, 2017, 197, 422-432.	6.6	71
74	Experimental and kinetic modeling study of C2H4 oxidation at high pressure. Proceedings of the Combustion Institute, 2009, 32, 367-375.	4.5	70
75	Experimental and Kinetic Modeling Study of C₂H₂ Oxidation at High Pressure. International Journal of Chemical Kinetics, 2016, 48, 724-738.	1.7	68
76	Reactions of SO3with the O/H Radical Pool under Combustion Conditionsâ€. Journal of Physical Chemistry A, 2007, 111, 3984-3991.	2.6	66
77	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
78	Laboratory Study of the CO/NH3/NO/O2System:Â Implications for Hybrid Reburn/SNCR Strategies. Energy & Fuels, 1997, 11, 716-723.	5.2	65
79	Oxidation of Dimethyl Ether and its Interaction with Nitrogen Oxides. Israel Journal of Chemistry, 1999, 39, 73-86.	2.6	64
80	Evaluation of different oxygen carriers for biomass tar reforming (I): Carbon deposition in experiments with toluene. Fuel, 2011, 90, 1049-1060.	6.6	63
81	High-pressure pyrolysis and oxidation of DME and DME/CH4. Combustion and Flame, 2019, 205, 80-92.	5.3	63
82	Homogeneous and heterogeneously catalyzed oxidation of <mml:math altimg="si19.gif" display="inline" overflow="scroll" 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/co	4.0	62
83	Methanol oxidation in a flow reactor: Implications for the branching ratio of the CH₃OH+OH reaction. International Journal of Chemical Kinetics, 2008, 40, 423-441.	1.7	62
84	Effect of fast pyrolysis conditions on biomass solid residues at high temperatures. Fuel Processing Technology, 2016, 143, 118-129.	7.3	62
85	Evaluation of different oxygen carriers for biomass tar reforming (II): Carbon deposition in experiments with methane and other gases. Fuel, 2011, 90, 1370-1382.	6.6	61
86	Comparison of high temperature chars of wheat straw and rice husk with respect to chemistry, morphology and reactivity. Biomass and Bioenergy, 2016, 86, 76-87.	5.9	61
87	Theory and modeling of relevance to prompt-NO formation at high pressure. Combustion and Flame, 2018, 195, 3-17.	5.3	60
88	Dust-Firing of Straw and Additives: Ash Chemistry and Deposition Behavior. Energy & Fuels, 2011, 25, 2862-2873.	5.2	59
89	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
90	Trace elements in co-combustion of solid recovered fuel and coal. Fuel Processing Technology, 2013, 105, 212-221.	7.3	58

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91	An experimental and kinetic modeling study of premixed nitromethane flames at low pressure. Proceedings of the Combustion Institute, 2011, 33, 407-414.	4.5	57
92	Kinetic Study of NO Reduction over Biomass Char under Dynamic Conditions. Energy & Fuels, 2003, 17, 1429-1436.	5.2	54
93	On the Rate Constant for NH₂+HO₂ and Third-Body Collision Efficiencies for NH₂+H(+M) and NH₂+NH₂(+M). Journal of Physical Chemistry A, 2021, 125, 1505-1516.	2.6	53
94	A kinetic issue in reburning: the fate of HCNO. Combustion and Flame, 2003, 135, 357-362.	5.3	51
95	High-pressure oxidation of propane. Proceedings of the Combustion Institute, 2019, 37, 461-468.	4.5	50
96	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
97	Branching Fraction of the NH2 + NO Reaction between 1210 and 1370 K. Journal of Physical Chemistry A, 1997, 101, 3741-3745.	2.6	49
98	Mutually Promoted Thermal Oxidation of Nitric Oxide and Organic Compounds. Industrial & Engineering Chemistry Research, 1995, 34, 1882-1888.	3.8	48
99	Modelling the Formation of N2O and NO2 in the Thermal De-NOx Process. Springer Series in Chemical Physics, 1996, , 318-333.	0.0	48
100	Modeling Low-Temperature Gas Reburning. NOxReduction Potential and Effects of Mixing. Energy & Fuels, 1998, 12, 329-338.	5.2	47
101	Partitioning of K, Cl, S and P during combustion of poplar and brassica energy crops. Fuel, 2014, 134, 209-219.	6.6	47
102	Ab initio and kinetic modeling studies of formic acid oxidation. Proceedings of the Combustion Institute, 2015, 35, 153-160.	4.5	47
103	A reduced mechanism for nitrogen chemistry in methane combustion. Proceedings of the Combustion Institute, 1992, 24, 889-898.	0.3	46
104	High-temperature chemistry of HCl and Cl2. Combustion and Flame, 2015, 162, 2693-2704.	5.3	46
105	Experimental investigation of no from pulverized char combustion. Proceedings of the Combustion Institute, 2000, 28, 2271-2278.	4.5	45
106	A Model for Nitrogen Chemistry in Oxy-Fuel Combustion of Pulverized Coal. Energy & Fuels, 2011, 25, 4280-4289.	5.2	45
107	New insights in the low-temperature oxidation of acetylene. Proceedings of the Combustion Institute, 2017, 36, 355-363.	4.5	45
108	Theoretical kinetics predictions for NH2Â+ÂHO2. Combustion and Flame, 2022, 236, 111787.	5.3	45

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109	Rate Constant and Branching Fraction for the NH₂ + NO₂ Reaction. Journal of Physical Chemistry A, 2013, 117, 9011-9022.	2.6	43
110	The recombination of hydrogen atoms with nitric oxide at high temperatures. Proceedings of the Combustion Institute, 1998, 27, 219-226.	0.3	42
111	Oxidation of Reduced Sulfur Species: Carbonyl Sulfide. International Journal of Chemical Kinetics, 2013, 45, 429-439.	1.7	41
112	Review: Circulation of Inorganic Elements in Combustion of Alternative Fuels in Cement Plants. Energy & Fuels, 2015, 29, 4076-4099.	5.2	41
113	Potassium Capture by Kaolin, Part 2: K₂CO₃, KCl, and K₂SO₄. Energy & Fuels, 2018, 32, 3566-3578.	5.2	41
114	Thermal Dissociation of SO3at 1000â˜'1400 Kâ€. Journal of Physical Chemistry A, 2006, 110, 6654-6659.	2.6	40
115	Oxidation of Reduced Sulfur Species: Carbon Disulfide. Journal of Physical Chemistry A, 2014, 118, 6798-6809.	2.6	40
116	An Exploratory Flow Reactor Study of H₂S Oxidation at 30â€“100 Bar. International Journal of Chemical Kinetics, 2017, 49, 37-52.	1.7	40
117	Experimental and Modeling Study of Biomass Reburning. Energy & Fuels, 2004, 18, 1442-1450.	5.2	39
118	High pressure oxidation of C2H4/NO mixtures. Proceedings of the Combustion Institute, 2011, 33, 449-457.	4.5	39
119	High-pressure pyrolysis and oxidation of ethanol. Fuel, 2018, 218, 247-257.	6.6	39
120	Formation of fine particles in co-combustion of coal and solid recovered fuel in a pulverized coal-fired power station. Proceedings of the Combustion Institute, 2011, 33, 2845-2852.	4.5	38
121	Experimental and Modeling Investigation of the Effect of H₂S Addition to Methane on the Ignition and Oxidation at High Pressures. Energy & Fuels, 2017, 31, 2175-2182.	5.2	38
122	Challenges in Kinetic modeling of ammonia pyrolysis. Fuel Communications, 2022, 10, 100049.	5.3	38
123	Visualization methods in analysis of detailed chemical kinetics modelling. Computers & Chemistry, 2001, 25, 161-170.	1.2	37
124	The NH<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si3.svg"><mml:msub><mml:mrow /><mml:mn>3</mml:mn></mml:msub></mml:math>/NO<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.svg"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>/O<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.svg"><mml:msub><mml:mrow /><mml:	5.3	37
125	Numerical simulation of nitrogen oxide formation in lean premixed turbulent H2/O2/N2 flames. Proceedings of the Combustion Institute, 2011, 33, 1591-1599.	4.5	36
126	Devolatilization kinetics of woody biomass at short residence times and high heating rates and peak temperatures. Applied Energy, 2016, 162, 245-256.	10.3	36

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127	NO Formation during Oxy-Fuel Combustion of Coal and Biomass Chars. Energy & Fuels, 2014, 28, 4684-4693.	5.2	35
128	Potassium Capture by Kaolin, Part 1: KOH. Energy & Fuels, 2018, 32, 1851-1862.	5.2	35
129	A Rhodium-Based Methane Oxidation Catalyst with High Tolerance to H₂O and SO₂. ACS Catalysis, 2020, 10, 1821-1827.	11.7	35
130	Kinetic Modeling of Fuel-Nitrogen Conversion in One-Dimensional, Pulverized-Coal Flames. Combustion Science and Technology, 1991, 76, 81-109.	2.1	34
131	Density Functional Theory Study of the Role of an Carbonâ€“Oxygen Single Bond Group in the NOâ€“Char Reaction. Energy & Fuels, 2018, 32, 7734-7744.	5.2	34
132	Potassium capture by coal fly ash: K2CO3, KCl and K2SO4. Fuel Processing Technology, 2019, 194, 106115.	7.3	34
133	Effects of ambient pressure on ignition and flame characteristics in diesel spray combustion. Fuel, 2019, 237, 676-685.	6.6	34
134	Thermal dissociation of nitrous oxide at medium temperatures. Proceedings of the Combustion Institute, 1992, 24, 917-923.	0.3	33
135	A study of benzene formation in a laminar flow reactor. Proceedings of the Combustion Institute, 2002, 29, 1329-1336.	4.5	33
136	Extension of apparent devolatilization kinetics from thermally thin to thermally thick particles in zero dimensions for woody biomass. Energy, 2016, 95, 279-290.	9.0	33
137	Influence of coal quality on combustion performance. Fuel, 1998, 77, 1317-1328.	6.6	32
138	Inhibition of hydrogen oxidation by HBr and Br2. Combustion and Flame, 2012, 159, 528-540.	5.3	32
139	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
140	Sulfation of Condensed Potassium Chloride by SO₂. Energy & Fuels, 2013, 27, 3283-3289.	5.2	32
141	Optical investigation of gas-phase KCl/KOH sulfation in post flame conditions. Fuel, 2018, 224, 461-468.	6.6	32
142	Oxidation of methylamine. International Journal of Chemical Kinetics, 2020, 52, 893-906.	1.7	32
143	Direct Partial Oxidation of Natural Gas to Liquid Chemicals: Chemical Kinetic Modeling and Global Optimization. Industrial & Engineering Chemistry Research, 2008, 47, 6579-6588.	3.8	31
144	Parabenzoquinone pyrolysis and oxidation in a flow reactor. International Journal of Chemical Kinetics, 1998, 30, 683-697.	1.7	30

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145	A Chemical Engineering Model for Predicting NO Emissions and Burnout from Pulverised Coal Flames. Combustion Science and Technology, 1998, 132, 251-314.	2.1	30
146	Propargyl recombination: estimation of the high temperature, low pressure rate constant from flame measurements. Proceedings of the Combustion Institute, 2005, 30, 1023-1031.	4.5	30
147	Experimental Investigation of Ash Deposit Shedding in a Straw-Fired Boiler. Energy & Fuels, 2006, 20, 512-519.	5.2	30
148	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
149	Effects of mixing on ammonia oxidation in combustion environments at intermediate temperatures. Proceedings of the Combustion Institute, 2005, 30, 1193-1200.	4.5	29
150	Influence of Torrefaction on Single Particle Combustion of Wood. Energy & Fuels, 2016, 30, 5772-5778.	5.2	29
151	Residence time distributions in a cold, confined swirl flow. Chemical Engineering Science, 1997, 52, 2743-2756.	4.0	28
152	High pressure oxidation of NH<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si3.svg"><mml:msub><mml:mrow/><mml:mn>3</mml:mn></mml:msub></mml:math>/<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si9.svg"><mml:mi>n</mml:mi></mml:math>-heptane mixtures. Combustion and Flame, 2023, 254, 112785.	5.3	28
153	Some chemical kinetics issues in reburning: The branching fraction of the HCCO+NO reaction. Proceedings of the Combustion Institute, 1998, 27, 235-243.	0.3	27
154	Modeling the Use of Sulfate Additives for Potassium Chloride Destruction in Biomass Combustion. Energy & Fuels, 2014, 28, 199-207.	5.2	27
155	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
156	Fly Ash Formation during Suspension Firing of Biomass: Effects of Residence Time and Fuel Type. Energy & Fuels, 2017, 31, 555-570.	5.2	27
157	Skeletal mechanisms for prediction of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.svg"><mml:mrow><mml:msub><mml:mrow><mml:mtext>NO</mml:mtext></mml:mrow><mml:mrow><mml:mi mathvariant="normal">x</mml:mi></mml:mrow></mml:msub></mml:mrow></mml:math> emission in solid fuel combustion. Fuel, 2019, 254, 115569.	6.6	27
158	KOH capture by coal fly ash. Fuel, 2019, 242, 828-836.	6.6	27
159	Nitrous oxide emissions control by reburning. Combustion and Flame, 1996, 107, 453-463.	5.3	26
160	Detailed modeling and laser-induced fluorescence imaging of nitric oxide in a NH3-seeded non-premixed methane/air flame. Proceedings of the Combustion Institute, 2002, 29, 2195-2202.	4.5	26
161	Influence of potassium chloride on moist CO oxidation under reducing conditions: Experimental and kinetic modeling study. Fuel, 2006, 85, 978-988.	6.6	26
162	Glyoxal Oxidation Mechanism: Implications for the Reactions HCO + O₂ and OCHCHO + HO₂. Journal of Physical Chemistry A, 2015, 119, 7305-7315.	2.6	26

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163	Reactivity of sewage sludge, RDF, and straw chars towards NO. Fuel, 2019, 236, 297-305.	6.6	26
164	Kinetic NO modelling and experimental results from single wood particle combustion. Fuel, 1997, 76, 671-682.	6.6	25
165	High-Temperature Release of SO₂ from Calcined Cement Raw Materials. Energy & Fuels, 2011, 25, 2917-2926.	5.2	25
166	NO Reduction over Biomass and Coal Char during Simultaneous Combustion. Energy & Fuels, 2013, 27, 7817-7826.	5.2	25
167	Sulfur poisoning and regeneration of Rh-ZSM-5 catalysts for total oxidation of methane. Applied Catalysis B: Environmental, 2020, 277, 119176.	20.7	25
168	Formation and Destruction of CH2O in the Exhaust System of a Gas Engine. Environmental Science & Technology, 2003, 37, 4512-4516.	10.5	24
169	Post-processing of detailed chemical kinetic mechanisms onto CFD simulations. Computers and Chemical Engineering, 2004, 28, 2351-2361.	3.9	24
170	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
171	Soot Reactivity in Conventional Combustion and Oxy-fuel Combustion Environments. Energy & Fuels, 2012, 26, 5337-5344.	5.2	24
172	Inhibition and Promotion of Pyrolysis by Hydrogen Sulfide (H₂S) and Sulfanyl Radical (SH). Journal of Physical Chemistry A, 2016, 120, 8941-8948.	2.6	24
173	A reaction mechanism for ozone dissociation and reaction with hydrogen at elevated temperature. Fuel, 2022, 322, 124138.	6.6	24
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