Hongwei Wu

List of Publications by Year
in descending order

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337	9,411	34105 52	48315 88
papers	citations	h-index	g-index

338	338	338	7516
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Some Recent Advances in Hydrolysis of Biomass in Hot-Compressed Water and Its Comparisons with Other Hydrolysis Methods. Energy & Fuels, 2008, 22, 46-60.	5.1	407
2	Environmental-benign utilisation of fly ash as low-cost adsorbents. Journal of Hazardous Materials, 2006, 136, 482-501.	12.4	406
3	Fast Pyrolysis of Oil Mallee Woody Biomass:â€‰ Effect of Temperature on the Yield and Quality of Pyrolysis Products. Industrial & Engineering Chemistry Research, 2008, 47, 1846-1854.	3.7	323
4	Volatilisation and catalytic effects of alkali and alkaline earth metallic species during the pyrolysis and gasification of Victorian brown coal. Part I. Volatilisation of Na and Cl from a set of NaCl-loaded samples. Fuel, 2002, 81, 143-149.	6.4	268
5	Biochar as a Fuel: 1. Properties and Grindability of Biochars Produced from the Pyrolysis of Mallee Wood under Slow-Heating Conditions. Energy & Fuels, 2009, 23, 4174-4181.	5.1	262
6	The effects of pressure on coal reactions during pulverised coal combustion and gasification. Progress in Energy and Combustion Science, 2002, 28, 405-433.	31.2	252
7	Removal of ammonium from greywater using natural zeolite. Desalination, 2011, 277, 15-23.	8.2	248
8	Effect of Alkali and Alkaline Earth Metallic Species on Biochar Reactivity and Syngas Compositions during Steam Gasification^{â€}. Energy & Fuels, 2010, 24, 173-181.	5.1	203
9	Volatilisation and catalytic effects of alkali and alkaline earth metallic species during the pyrolysis and gasification of Victorian brown coal. Part IV. Catalytic effects of NaCl and ion-exchangeable Na in coal on char reactivityâ˜†. Fuel, 2003, 82, 587-593.	6.4	200
10	Volatilisation and catalytic effects of alkali and alkaline earth metallic species during the pyrolysis and gasification of Victorian brown coal. Part III. The importance of the interactions between volatiles and char at high temperature. Fuel, 2002, 81, 1033-1039.	6.4	187
11	Volatilisation and catalytic effects of alkali and alkaline earth metallic species during the pyrolysis and gasification of Victorian brown coal. Part II. Effects of chemical form and valence. Fuel, 2002, 81, 151-158.	6.4	185
12	A review on biomass pyrolysis models: Kinetic, network and mechanistic models. Biomass and Bioenergy, 2019, 123, 104-122.	5.7	183
13	Catalytic reforming of tar during gasification. Part I. Steam reforming of biomass tar using ilmenite as a catalyst. Fuel, 2011, 90, 1847-1854.	6.4	162
14	Significant Differences in the Hydrolysis Behavior of Amorphous and Crystalline Portions within Microcrystalline Cellulose in Hot-Compressed Water. Industrial & Engineering Chemistry Research, 2010, 49, 3902-3909.	3.7	136
15	Removal and Recycling of Inherent Inorganic Nutrient Species in Mallee Biomass and Derived Biochars by Water Leaching. Industrial & Engineering Chemistry Research, 2011, 50, 12143-12151.	3.7	130
16	Volatilisation and catalytic effects of alkali and alkaline earth metallic species during the pyrolysis and gasification of Victorian brown coal. Part V. Combined effects of Na concentration and char structure on char reactivity. Fuel, 2004, 83, 23-30.	6.4	124
17	Yeast fermentation of carboxylic acids obtained from pyrolytic aqueous phases for lipid production. Bioresource Technology, 2012, 118, 177-186.	9.6	110
18	Characterization of Ash Cenospheres in Fly Ash from Australian Power Stations. Energy & Fuels, 2007, 21, 3437-3445.	5.1	108

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19	Evolution of Char Structure during the Steam Gasification of Biochars Produced from the Pyrolysis of Various Mallee Biomass Components. Industrial & Engineering Chemistry Research, 2009, 48, 10431-10438.	3.7	106
20	Unburned carbon as a low-cost adsorbent for treatment of methylene blue-containing wastewater. Journal of Colloid and Interface Science, 2005, 292, 336-343.	9.4	105
21	Leaching Characteristics of Organic and Inorganic Matter from Biomass by Water: Differences between Batch and Semi-continuous Operations. Industrial & Engineering Chemistry Research, 2013, 52, 4280-4289.	3.7	102
22	Simultaneous catalytic esterification of carboxylic acids and acetalisation of aldehydes in a fast pyrolysis bio-oil from mallee biomass. Fuel, 2011, 90, 2530-2537.	6.4	92
23	Volatilisation and catalytic effects of alkali and alkaline earth metallic species during the pyrolysis and gasification of Victorian brown coal. Part VI. Further investigation into the effects of volatile-char interactions. Fuel, 2004, 83, 1273-1279.	6.4	90
24	Biochar as a Fuel: 2. Significant Differences in Fuel Quality and Ash Properties of Biochars from Various Biomass Components of Mallee Trees. Energy & Fuels, 2010, 24, 1972-1979.	5.1	89
25	Production of Mallee Biomass in Western Australia: Energy Balance Analysis. Energy & Fuels, 2008, 22, 190-198.	5.1	87
26	An Experimental Study on the Effect of System Pressure on Char Structure of an Australian Bituminous Coal. Energy & Fuels, 2000, 14, 282-290.	5.1	85
27	A Functionâ€Separated Design of Electrode for Realizing Highâ€Performance Hybrid Zinc Battery. Advanced Energy Materials, 2020, 10, 2002992.	19.5	84
28	The potential application of natural zeolite for greywater treatment. Desalination, 2008, 218, 271-280.	8.2	82
29	Biochar as a Fuel: 4. Emission Behavior and Characteristics of PM₁ and PM₁₀ from the Combustion of Pulverized Biochar in a Drop-Tube Furnace. Energy & Fuels, 2011, 25, 2702-2710.	5.1	81
30	Understanding the Primary Liquid Products of Cellulose Hydrolysis in Hot-Compressed Water at Various Reaction Temperatures. Energy & Fuels, 2010, 24, 1963-1971.	5.1	79
31	Effect of ball milling on the hydrolysis of microcrystalline cellulose in hotâ€compressed water. AICHE Journal, 2011, 57, 793-800.	3.6	79
32	Effects of volatileâ€“char interactions on the reactivity of chars from NaCl-loaded Loy Yang brown coal. Fuel, 2005, 84, 1221-1228.	6.4	77
33	Mallee Biomass as a Key Bioenergy Source in Western Australia: Importance of Biomass Supply Chain. Energy & Fuels, 2009, 23, 3290-3299.	5.1	75
34	Ash Liberation from Included Minerals during Combustion of Pulverized Coal:Â The Relationship with Char Structure and Burnout. Energy & Fuels, 1999, 13, 1197-1202.	5.1	72
35	Effect of pretreatment temperature on the yield and properties of bio-oils obtained from the auger pyrolysis of Douglas fir wood. Fuel, 2013, 103, 672-682.	6.4	71
36	Characteristics and Precipitation of Glucose Oligomers in the Fresh Liquid Products Obtained from the Hydrolysis of Cellulose in Hot-Compressed Water. Industrial & Engineering Chemistry Research, 2009, 48, 10682-10690.	3.7	69

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37	Combustion of Volatiles Produced in Situ from the Fast Pyrolysis of Woody Biomass: Direct Evidence on Its Substantial Contribution to Submicrometer Particle (PM₁) Emission. Energy & Fuels, 2011, 25, 4172-4181.	5.1	68
38	Effect of Sampling Temperature on the Properties of Inorganic Particulate Matter Collected from Biomass Combustion in a Drop-Tube Furnace. Energy & Fuels, 2010, 24, 4571-4580.	5.1	67
39	Release of Chlorine during Mallee Bark Pyrolysis. Energy & Fuels, 2013, 27, 310-317.	5.1	66
40	Bioslurry as a Fuel. 1. Viability of a Bioslurry-Based Bioenergy Supply Chain for Mallee Biomass in Western Australia. Energy & Fuels, 2010, 24, 5652-5659.	5.1	63
41	Significant contribution of organically-bound Mg, Ca, and Fe to inorganic PM10 emission during the combustion of pulverized Victorian brown coal. Fuel, 2014, 117, 825-832.	6.4	62
42	Characterization of Pyrolytic Sugars in Bio-Oil Produced from Biomass Fast Pyrolysis. Energy & Fuels, 2016, 30, 4145-4149.	5.1	61
43	A mechanistic study on kinetic compensation effect during low-temperature oxidation of coal chars. Proceedings of the Combustion Institute, 2011, 33, 1755-1762.	3.9	60
44	Emission of inorganic PM10 from included mineral matter during the combustion of pulverized coals of various ranks. Fuel, 2015, 140, 526-530.	6.4	60
45	The Effect of Pressure on Ash Formation during Pulverized Coal Combustion. Energy & Fuels, 2000, 14, 745-750.	5.1	59
46	Bioslurry as a Fuel. 3. Fuel and Rheological Properties of Bioslurry Prepared from the Bio-oil and Biochar of Mallee Biomass Fast Pyrolysis. Energy & Fuels, 2010, 24, 5669-5676.	5.1	59
47	Formation and Characteristics of Reaction Intermediates from the Fast Pyrolysis of NaCl- and MgCl₂-Loaded Celluloses. Energy & Fuels, 2014, 28, 245-253.	5.1	59
48	A novel inorganic proton exchange membrane based on self-assembled HPW-meso-silica for direct methanol fuel cells. Journal of Materials Chemistry, 2011, 21, 6668.	6.7	58
49	Formation of Anhydro-sugars in the Primary Volatiles and Solid Residues from Cellulose Fast Pyrolysis in a Wire-Mesh Reactor. Energy & Fuels, 2014, 28, 5204-5211.	5.1	57
50	Biochar as a Fuel: 3. Mechanistic Understanding on Biochar Thermal Annealing at Mild Temperatures and Its Effect on Biochar Reactivity. Energy & Fuels, 2011, 25, 406-414.	5.1	56
51	Contribution of dehydration and depolymerization reactions during the fast pyrolysis of various salt-loaded celluloses at low temperatures. Fuel, 2014, 136, 62-68.	6.4	56
52	Leaching characteristics of inherent inorganic nutrients in biochars from the slow and fast pyrolysis of mallee biomass. Fuel, 2014, 128, 433-441.	6.4	56
53	Modeling the fragmentation of non-uniform porous char particles during pulverized coal combustion. Fuel, 2000, 79, 627-633.	6.4	54
54	Characterization of Water-Soluble Intermediates from Slow Pyrolysis of Cellulose at Low Temperatures. Energy & Fuels, 2012, 26, 7331-7339.	5.1	53

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55	Acid-catalysed cellulose pyrolysis at low temperatures. Fuel, 2017, 193, 460-466.	6.4	53
56	Effect of Inherent Moisture in Collie Coal during Pyrolysis Due to in-Situ Steam Gasification. Energy & Fuels, 2007, 21, 2883-2891.	5.1	52
57	An advanced biomass gasification technology with integrated catalytic hot gas cleaning. Fuel, 2013, 108, 409-416.	6.4	52
58	Bioslurry as a Fuel. 2. Life-Cycle Energy and Carbon Footprints of Bioslurry Fuels from Mallee Biomass in Western Australia. Energy & Fuels, 2010, 24, 5660-5668.	5.1	51
59	High levels of malic acid production by the bioconversion of corn straw hydrolyte using an isolated Rhizopus delemar strain. Biotechnology and Bioprocess Engineering, 2014, 19, 478-492.	2.6	50
60	Synthesis and characterization of doped La9ASi6O26.5 (AÂ=ÂCa, Sr, Ba) oxyapatite electrolyte by a water-based gel-casting route. International Journal of Hydrogen Energy, 2011, 36, 6862-6874.	7.1	49
61	Differences in Water-Soluble Intermediates from Slow Pyrolysis of Amorphous and Crystalline Cellulose. Energy & Fuels, 2013, 27, 1371-1380.	5.1	49
62	Effect of MgCl2 loading on the evolution of reaction intermediates during cellulose fast pyrolysis at 325 Â°C. Proceedings of the Combustion Institute, 2015, 35, 2381-2388.	3.9	49
63	Kinetics and Mechanism of Glucose Decomposition in Hot-Compressed Water: Effect of Initial Glucose Concentration. Industrial & Engineering Chemistry Research, 2011, 50, 10500-10508.	3.7	48
64	The effect of combustion conditions on mineral matter transformation and ash deposition in a utility boiler fired with a sub-bituminous coal. Proceedings of the Combustion Institute, 2005, 30, 2981-2989.	3.9	45
65	Some Recent Advances in Liquefied Natural Gas (LNG) Production, Spill, Dispersion, and Safety. Energy & Fuels, 2014, 28, 3556-3586.	5.1	44
66	Emission of Inorganic PM₁₀ from the Combustion of Torrefied Biomass under Pulverized-Fuel Conditions. Energy & Fuels, 2015, 29, 800-807.	5.1	44
67	Hydrolysis and glycosidation of sugars during the esterification of fast pyrolysis bio-oil. Fuel, 2012, 95, 146-151.	6.4	43
68	Determination of chlorine in solid fuels using an improved Eschka method. Fuel, 2014, 129, 314-317.	6.4	42
69	Effects of Pretreatment in Steam on the Pyrolysis Behavior of Loy Yang Brown Coal. Energy & Fuels, 2006, 20, 281-286.	5.1	41
70	Life Cycle Energy and Carbon Footprints of Microalgal Biodiesel Production in Western Australia: A Comparison of Byproducts Utilization Strategies. ACS Sustainable Chemistry and Engineering, 2013, 1, 1371-1380.	6.7	41
71	Formation of NO precursors during the pyrolysis of coal and biomass. Part VIII. Effects of pressure on the formation of NH and HCN during the pyrolysis and gasification of Victorian brown coal in steam. Fuel, 2005, 84, 2102-2108.	6.4	40
72	Role of unburnt carbon in adsorption of dyes on fly ash. Journal of Chemical Technology and Biotechnology, 2005, 80, 1204-1209.	3.2	39

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73	Ash Cenosphere from Solid Fuels Combustion. Part 1: An Investigation into Its Formation Mechanism Using Pyrite as a Model Fuel. Energy & Fuels, 2012, 26, 130-137.	5.1	37
74	Roles of Inherent Fine Included Mineral Particles in the Emission of PM₁₀ during Pulverized Coal Combustion. Energy & Fuels, 2012, 26, 6783-6791.	5.1	37
75	Bioslurry as a Fuel. 5. Fuel Properties Evolution and Aging during Bioslurry Storage. Energy & Fuels, 2013, 27, 7560-7568.	5.1	37
76	Aerodynamic Properties of Biochar Particles: Effect of Grinding and Implications. Environmental Science and Technology Letters, 2014, 1, 60-64.	8.7	37
77	Thermal decomposition of pyrolytic lignin under inert conditions at low temperatures. Fuel, 2017, 200, 70-75.	6.4	37
78	Effect of Pressure on Char Formation during Pyrolysis of Pulverized Coal. Energy & Fuels, 2004, 18, 1346-1353.	5.1	36
79	Cellobiose Decomposition in Hot-Compressed Water: Importance of Isomerization Reactions. Industrial & Engineering Chemistry Research, 2013, 52, 17006-17014.	3.7	36
80	Investigation on Ash Slagging Characteristics During Combustion of Biomass Pellets and Effect of Additives. Energy & Fuels, 2018, 32, 4442-4452.	5.1	35
81	Bioslurry as a Fuel. 4. Preparation of Bioslurry Fuels from Biochar and the Bio-oil-Rich Fractions after Bio-oil/Biodiesel Extraction. Energy & Fuels, 2011, 25, 1759-1771.	5.1	33
82	Effect of major impurities in crude glycerol on solubility and properties of glycerol/methanol/bio-oil blends. Fuel, 2015, 159, 118-127.	6.4	32
83	Grinding pyrolysis of Mallee wood: Effects of pyrolysis conditions on the yields of bio-oil and biochar. Fuel Processing Technology, 2017, 167, 215-220.	7.2	32
84	Application of Concrete and Demolition Waste as CO₂ Sorbent in Chemical Looping Gasification of Biomass. Energy & Fuels, 2012, 26, 2046-2057.	5.1	31
85	Solvent effect of gamma-valerolactone (GVL) on cellulose and biomass hydrolysis in hot-compressed GVL/water mixtures. Fuel, 2018, 232, 317-322.	6.4	31
86	Effects of thermal pretreatment in helium on the pyrolysis behaviour of Loy Yang brown coal. Fuel, 2005, 84, 1586-1586.	6.4	30
87	PM10 formation during the combustion of N2-char and CO2-char of Chinese coals. Proceedings of the Combustion Institute, 2013, 34, 2383-2392.	3.9	30
88	Phase Behavior and Fuel Properties of Bio-Oil/Glycerol/Methanol Blends. Energy & Fuels, 2014, 28, 4650-4656.	5.1	30
89	Stability of emulsion fuels prepared from fast pyrolysis bio-oil and glycerol. Fuel, 2017, 206, 230-238.	6.4	30
90	A Method for the Quantification of Alkali and Alkaline Earth Metallic Species in Bioslurry Fuels. Energy & Fuels, 2013, 27, 6823-6830.	5.1	29

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91	Release of chlorine from the slow pyrolysis of NaCl-loaded cellulose at low temperatures. Proceedings of the Combustion Institute, 2015, 35, 2891-2896.	3.9	29
92	Important role of volatileâ€“char interactions in enhancing PM 1 emission during the combustion of volatiles from biosolid. Combustion and Flame, 2017, 182, 90-101.	5.2	29
93	Characterization of Residual Carbon in Fly Ashes from Power Plants Firing Biomass. Energy & Fuels, 2013, 27, 898-907.	5.1	28
94	Fuel properties and ageing of bioslurry prepared from glycerol/methanol/bio-oil blend and biochar. Fuel, 2016, 176, 72-77.	6.4	28
95	Volatileâ€“char interactions: Roles of in situ volatiles with distinctly-different chemistry in determining char structure and reactivity. Proceedings of the Combustion Institute, 2019, 37, 2749-2755.	3.9	28
96	Mechanistic Investigation into Bed Agglomeration during Biomass Fast Pyrolysis in a Fluidized-Bed Reactor. Energy & Fuels, 2012, 26, 6979-6987.	5.1	27
97	Evolution of Primary Liquid Products and Evidence of in Situ Structural Changes in Cellulose with Conversion during Hydrolysis in Hot-Compressed Water. Industrial & Engineering Chemistry Research, 2010, 49, 3919-3925.	3.7	26
98	Further Investigation into the Formation Mechanism of Ash Cenospheres from an Australian Coal-Fired Power Station. Energy & Fuels, 2013, 27, 811-815.	5.1	26
99	Effect of chemical and biological degumming on the adsorption of heavy metal by cellulose xanthogenates prepared from Eichhornia crassipes. Bioresource Technology, 2012, 107, 41-45.	9.6	25
100	A Method for the Quantification of Chlorine in Low-Rank Solid Fuels. Energy & Fuels, 2013, 27, 6992-6999.	5.1	25
101	Differences in soot produced from rapid pyrolysis of xylan, cellulose and lignin under pulverized-fuel conditions. Fuel, 2020, 265, 116991.	6.4	25
102	Effects of Dewatering on the Pyrolysis and Gasification Reactivity of Victorian Brown Coalâ€. Energy & Fuels, 2007, 21, 399-404.	5.1	24
103	Effect of celluloseâ€“lignin interactions on char structural changes during fast pyrolysis at 100â€“350â€¯Â°C. Proceedings of the Combustion Institute, 2021, 38, 3977-3986.	3.9	24
104	High-Phosphorus Fuel Combustion: Effect of Oxyfuel Conditions on PM₁₀ Emission from Homo- and Heterogeneous Phases. Energy & Fuels, 2017, 31, 2317-2323.	5.1	23
105	Inorganic PM10 emission from the combustion of individual mallee components and whole-tree biomass. Proceedings of the Combustion Institute, 2017, 36, 3313-3319.	3.9	23
106	Pyrolytic lignin from fast pyrolysis bio-oil via cold-water precipitation: Optimal separation conditions and properties. Fuel, 2019, 242, 580-586.	6.4	23
107	Insights into the Primary Decomposition Mechanism of Cellobiose under Hydrothermal Conditions. Industrial & Engineering Chemistry Research, 2014, 53, 14607-14616.	3.7	22
108	Bioslurry as a Fuel. 7: Spray Characteristics of Bio-Oil and Bioslurry via Impact and Twin-Fluid Atomizers. Energy & Fuels, 2015, 29, 8058-8065.	5.1	22

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109	Direct emulsification of crude glycerol and bio-oil without addition of surfactant via ultrasound and mechanical agitation. Fuel, 2018, 227, 183-189.	6.4	22
110	Importance of lignin removal in enhancing biomass hydrolysis in hot-compressed water. Bioresource Technology, 2019, 288, 121522.	9.6	22
111	Pyrolysis of Collie Coal Briquettes To Produce Char as a Metallurgical Reductantâ€. Energy & Fuels, 2007, 21, 419-425.	5.1	21
112	Near-Complete Recovery of Sugar Monomers from Cellulose and Lignocellulosic Biomass via a Two-Step Process Combining Mechanochemical Hydrolysis and Dilute Acid Hydrolysis. Energy & Fuels, 2016, 30, 1571-1578.	5.1	21
113	Mathematical modelling of Collie coal pyrolysis considering the effect of steam produced in situ from coal inherent moisture and pyrolytic water. Proceedings of the Combustion Institute, 2009, 32, 2675-2683.	3.9	19
114	Bioslurry as a Fuel. 6. Leaching Characteristics of Alkali and Alkaline Earth Metallic Species from Biochar by Bio-oil Model Compounds. Energy & Fuels, 2015, 29, 2535-2541.	5.1	19
115	Trace Elements Release and Particulate Matter Emission during the Combustion of Char and Volatiles from In Situ Biosolid Fast Pyrolysis. Energy & Fuels, 2016, 30, 5766-5771.	5.1	19
116	Modeling of Liquefied Natural Gas Release and Dispersion: Incorporating a Direct Computational Fluid Dynamics Simulation Method for LNG Spill and Pool Formation. Industrial & Engineering Chemistry Research, 2016, 55, 1778-1787.	3.7	19
117	Synergy on particulate matter emission during the combustion of bio-oil/biochar slurry (bioslurry). Fuel, 2018, 214, 546-553.	6.4	19
118	Adsorption Characteristics of Bio-oil on Biochar in Bioslurry Fuels. Energy & Fuels, 2017, 31, 9619-9626.	5.1	18
119	Bed Agglomeration during Bio-oil Fast Pyrolysis in a Fluidized-Bed Reactor. Energy & Fuels, 2018, 32, 3608-3613.	5.1	18
120	Tuning glucose decomposition in hot-compressed gamma-valerolactone/water mixtures: From isomerization to dehydration reactions. Fuel, 2019, 238, 225-231.	6.4	18
121	A New Method for Direct Determination of Char Yield during Solid Fuel Pyrolysis in Drop-Tube Furnace at High Temperature and Its Comparison with Ash Tracer Method. Energy & Fuels, 2019, 33, 1509-1517.	5.1	18
122	Steam distillation of mallee leaf: Extraction of 1,8-cineole and changes in the fuel properties of spent biomass. Fuel, 2014, 133, 341-349.	6.4	17
123	Ternary System of Pyrolytic Lignin, Mixed Solvent, and Water: Phase Diagram and Implications. Energy & Fuels, 2018, 32, 465-474.	5.1	17
124	Structural changes of chars produced from fast pyrolysis of lignin at 100â€“300â€Â°C. Fuel, 2019, 255, 115754.	6.4	17
125	Celebrating the Inaugural 2021 Pioneers in Energy Research. Energy & Fuels, 2021, 35, 16935-16935.	5.1	17
126	Emission of Inorganic PM₁₀ during the Combustion of Spent Biomass from Mallee Leaf Steam Distillation. Energy & Fuels, 2015, 29, 5171-5175.	5.1	16

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127	Rapid Pyrolysis of Pulverized Biomass at a High Temperature: The Effect of Particle Size on Char Yield, Retentions of Alkali and Alkaline Earth Metallic Species, and Char Particle Shape. Energy & Fuels, 2020, 34, 7140-7148.	5.1	16
128	Heterogeneity of Ash Deposits Formed in a Utility Boiler during PF Combustionâ€. Energy & Fuels, 2007, 21, 441-450.	5.1	15
129	Evaluating a sustainability index for nutrients in a short rotation energy cropping system. GCB Bioenergy, 2013, 5, 315-326.	5.6	15
130	Solar-Thermal Pyrolysis of Mallee Wood at High Temperatures. Energy & Fuels, 2018, 32, 4350-4356.	5.1	15
131	Effect of water vapour on particulate matter emission during oxyfuel combustion of char and in situ volatiles generated from rapid pyrolysis of chromated-copper-arsenate-treated wood. Proceedings of the Combustion Institute, 2019, 37, 4319-4327.	3.9	15
132	Ash Cenosphere from Solid Fuels Combustion. Part 2: Significant Role of Ash Cenosphere Fragmentation in Ash and Particulate Matter Formation. Energy & Fuels, 2013, 27, 822-829.	5.1	14
133	Polymerization of glucose during acid-catalyzed pyrolysis at low temperatures. Fuel, 2018, 230, 83-88.	6.4	14
134	Effect of particle size on particulate matter emissions during biosolid char combustion under air and oxyfuel conditions. Fuel, 2018, 232, 251-256.	6.4	14
135	Transformation and release of phosphorus during rice bran pyrolysis: Effect of reactor configurations under various conditions. Fuel, 2019, 255, 115755.	6.4	14
136	Hydrothermal Reactions of Biomass-Derived Platform Molecules: Distinct Effect of Aprotic and Protic Solvents on Primary Decomposition of Glucose and Fructose in Hot-Compressed Solvent/Water Mixtures. Industrial & Engineering Chemistry Research, 2020, 59, 7336-7345.	3.7	14
137	Evolution of Water-Soluble and Water-Insoluble Portions in the Solid Products from Fast Pyrolysis of Amorphous Cellulose. Industrial & Engineering Chemistry Research, 2013, 52, 12785-12793.	3.7	13
138	Pyrolysis of Spent Biomass from Mallee Leaf Steam Distillation: Biochar Properties and Recycling of Inherent Inorganic Nutrients. Energy & Fuels, 2014, 28, 4642-4649.	5.1	13
139	Association of inorganic species release with sugar recovery during wood hydrothermal processing. Fuel, 2016, 166, 581-584.	6.4	13
140	Ignition temperatures of various bio-oil based fuel blends and slurry fuels. Fuel, 2017, 207, 240-243.	6.4	13
141	Influence of biomass particle size on bed agglomeration during biomass pyrolysis in fluidised bed. Proceedings of the Combustion Institute, 2017, 36, 2199-2205.	3.9	13
142	A New Method for Quantifying Phosphorus of Various Occurrence Forms in Solid Fuels. Energy & Fuels, 2019, 33, 3311-3321.	5.1	13
143	Confronting Racism in Chemistry Journals. ACS Applied Materials & Interfaces, 2020, 12, 28925-28927.	8.0	13
144	Energy & Fuels Launches the Series of Virtual Special Issues on Recent Advances in Selected Energy Research Areas. Energy & Fuels, 2021, 35, 1-2.	5.1	13

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145	Fuel Mixtures from Crude Glycerol, the Bio-oilâ€“Water-Soluble Fraction, and Biochar for Stationary Applications. Energy & Fuels, 2016, 30, 8419-8424.	5.1	12
146	Mass Spectrometry Analysis of Sugar and Anhydrosugar Oligomers from Biomass Thermochemical Processing. Energy & Fuels, 2016, 30, 8787-8789.	5.1	12
147	Interaction between sodium vapor and reactor wall during biomass combustion and its influence on measurement of particulate matter emission. Fuel, 2016, 165, 260-263.	6.4	12
148	Emission of particulate matter during the combustion of bio-oil and its fractions under air and oxyfuel conditions. Proceedings of the Combustion Institute, 2017, 36, 4061-4068.	3.9	12
149	Tuning Biochar Properties via Partial Gasification: Facilitating Inorganic Nutrients Recycling and Altering Organic Matter Leaching. Energy & Fuels, 2015, 29, 4407-4417.	5.1	11
150	Effect of Alkali and Alkaline Earth Metal Chlorides on Cellobiose Decomposition in Hot-Compressed Water. Industrial & Engineering Chemistry Research, 2015, 54, 5450-5459.	3.7	11
151	Separation of Bio-oil by Hydrophilic Surfactants. Energy & Fuels, 2018, 32, 3559-3565.	5.1	11
152	Effect of volatileâ€“char interactions on PM10 emission during the combustion of biosolid chars under air and oxyfuel conditions. Combustion and Flame, 2018, 197, 290-303.	5.2	11
153	Interactions between Low- and High-Molecular-Weight Portions of Lignin during Fast Pyrolysis at Low Temperatures. Energy & Fuels, 2019, 33, 11173-11180.	5.1	11
154	Effect of Hydrodistillation on 1,8-Cineole Extraction from Mallee Leaf and the Fuel Properties of Spent Biomass. Industrial & Engineering Chemistry Research, 2011, 50, 11280-11287.	3.7	10
155	Particulate matter emission from bio-oil incomplete combustion under conditions relevant to stationary applications. Fuel, 2016, 171, 143-150.	6.4	10
156	Insights into Hydrothermal Decomposition of Cellobiose in Gamma-Valerolactone/Water Mixtures. Industrial & Engineering Chemistry Research, 2017, 56, 7957-7963.	3.7	10
157	Occurrence and characteristics of abundant fine included mineral particles in Collie coal of Western Australia. Fuel, 2018, 216, 53-60.	6.4	10
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