

# Haiping Yang

## List of Publications by Year in descending order

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135  
papers

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12596  
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#	ARTICLE	IF	CITATIONS
1	Characteristics of hemicellulose, cellulose and lignin pyrolysis. <i>Fuel</i> , 2007, 86, 1781-1788.	3.4	5,828
2	Lignocellulosic biomass pyrolysis mechanism: A state-of-the-art review. <i>Progress in Energy and Combustion Science</i> , 2017, 62, 33-86.	15.8	1,748
3	In-Depth Investigation of Biomass Pyrolysis Based on Three Major Components: Hemicellulose, Cellulose and Lignin. <i>Energy &amp; Fuels</i> , 2006, 20, 388-393.	2.5	919
4	Biomass-based pyrolytic polygeneration system on cotton stalk pyrolysis: Influence of temperature. <i>Bioresource Technology</i> , 2012, 107, 411-418.	4.8	358
5	Recent developments in lignocellulosic biomass catalytic fast pyrolysis: Strategies for the optimization of bio-oil quality and yield. <i>Fuel Processing Technology</i> , 2019, 196, 106180.	3.7	318
6	Transformation of Nitrogen and Evolution of N-Containing Species during Algae Pyrolysis. <i>Environmental Science &amp; Technology</i> , 2017, 51, 6570-6579.	4.6	272
7	A Review of Recent Advances in Biomass Pyrolysis. <i>Energy &amp; Fuels</i> , 2020, 34, 15557-15578.	2.5	256
8	Insight into KOH activation mechanism during biomass pyrolysis: Chemical reactions between O-containing groups and KOH. <i>Applied Energy</i> , 2020, 278, 115730.	5.1	222
9	Hydrogen production from biomass gasification using biochar as a catalyst/support. <i>Bioresource Technology</i> , 2016, 216, 159-164.	4.8	215
10	The structure evolution of biochar from biomass pyrolysis and its correlation with gas pollutant adsorption performance. <i>Bioresource Technology</i> , 2017, 246, 101-109.	4.8	207
11	Fast pyrolysis of cotton stalk biomass using calcium oxide. <i>Bioresource Technology</i> , 2017, 233, 15-20.	4.8	166
12	Co-pyrolysis of lignocellulosic biomass and microalgae: Products characteristics and interaction effect. <i>Bioresource Technology</i> , 2017, 245, 860-868.	4.8	157
13	Mechanism of Palm Oil Waste Pyrolysis in a Packed Bed. <i>Energy &amp; Fuels</i> , 2006, 20, 1321-1328.	2.5	149
14	Investigation on biomass nitrogen-enriched pyrolysis: Influence of temperature. <i>Bioresource Technology</i> , 2018, 249, 247-253.	4.8	138
15	Bioenergy in China: Evaluation of domestic biomass resources and the associated greenhouse gas mitigation potentials. <i>Renewable and Sustainable Energy Reviews</i> , 2020, 127, 109842.	8.2	136
16	Biomass pyrolysis for nitrogen-containing liquid chemicals and nitrogen-doped carbon materials. <i>Journal of Analytical and Applied Pyrolysis</i> , 2016, 120, 186-193.	2.6	135
17	Fusion and transformation properties of the inorganic components in biomass ash. <i>Fuel</i> , 2014, 117, 1281-1287.	3.4	132
18	Chemical structure evolution of char during the pyrolysis of cellulose. <i>Journal of Analytical and Applied Pyrolysis</i> , 2015, 116, 263-271.	2.6	132

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19	Influence of physicochemical properties of metal modified ZSM-5 catalyst on benzene, toluene and xylene production from biomass catalytic pyrolysis. <i>Bioresource Technology</i> , 2019, 278, 248-254.	4.8	127
20	Torrefaction of agriculture straws and its application on biomass pyrolysis poly-generation. <i>Bioresource Technology</i> , 2014, 156, 70-77.	4.8	124
21	Evolution of functional groups and pore structure during cotton and corn stalks torrefaction and its correlation with hydrophobicity. <i>Fuel</i> , 2014, 137, 41-49.	3.4	118
22	Mechanism of biomass activation and ammonia modification for nitrogen-doped porous carbon materials. <i>Bioresource Technology</i> , 2019, 280, 260-268.	4.8	113
23	Biomass-Based Pyrolytic Polygeneration System for Bamboo Industry Waste: Evolution of the Char Structure and the Pyrolysis Mechanism. <i>Energy &amp; Fuels</i> , 2016, 30, 6430-6439.	2.5	112
24	Catalytic deoxygenation co-pyrolysis of bamboo wastes and microalgae with biochar catalyst. <i>Energy</i> , 2018, 157, 472-482.	4.5	110
25	Pyrolysis-catalysis of different waste plastics over Fe/Al <sub>2</sub> O <sub>3</sub> catalyst: High-value hydrogen, liquid fuels, carbon nanotubes and possible reaction mechanisms. <i>Energy Conversion and Management</i> , 2021, 229, 113794.	4.4	105
26	Algae pyrolytic poly-generation: Influence of component difference and temperature on products characteristics. <i>Energy</i> , 2017, 131, 1-12.	4.5	103
27	Thermal behavior and reaction kinetics analysis of pyrolysis and subsequent in-situ gasification of torrefied biomass pellets. <i>Energy Conversion and Management</i> , 2018, 161, 205-214.	4.4	103
28	Investigation on co-pyrolysis of lignocellulosic biomass and amino acids using TG-FTIR and Py-GC/MS. <i>Energy Conversion and Management</i> , 2019, 196, 320-329.	4.4	103
29	Co-pyrolysis of microalgae and plastic: Characteristics and interaction effects. <i>Bioresource Technology</i> , 2019, 274, 145-152.	4.8	102
30	Synthesis and characterization of magnesium oxide nanoparticle-containing biochar composites for efficient phosphorus removal from aqueous solution. <i>Chemosphere</i> , 2020, 247, 125847.	4.2	102
31	Pyrolysis characteristics of lignocellulosic biomass components in the presence of CaO. <i>Bioresource Technology</i> , 2019, 287, 121493.	4.8	101
32	Influence of Biochar Addition on Nitrogen Transformation during Copyrolysis of Algae and Lignocellulosic Biomass. <i>Environmental Science &amp; Technology</i> , 2018, 52, 9514-9521.	4.6	100
33	Effects of Fe-, Zr-, and Co-Modified Zeolites and Pretreatments on Catalytic Upgrading of Biomass Fast Pyrolysis Vapors. <i>Energy &amp; Fuels</i> , 2016, 30, 3004-3013.	2.5	97
34	Effect of catalysts on the reactivity and structure evolution of char in petroleum coke steam gasification. <i>Fuel</i> , 2014, 117, 1174-1180.	3.4	96
35	Assessment of pyrolysis polygeneration of biomass based on major components: Product characterization and elucidation of degradation pathways. <i>Fuel</i> , 2013, 113, 266-273.	3.4	88
36	The densification of bio-char: Effect of pyrolysis temperature on the qualities of pellets. <i>Bioresource Technology</i> , 2016, 200, 521-527.	4.8	88

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37	Hydrogen production from agricultural biomass wastes gasification in a fluidized bed with calcium oxide enhancing. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 4832-4839.	3.8	87
38	Prediction of Bio-oil Yield and Hydrogen Contents Based on Machine Learning Method: Effect of Biomass Compositions and Pyrolysis Conditions. <i>Energy &amp; Fuels</i> , 2020, 34, 11050-11060.	2.5	86
39	A comparative study of machine learning methods for bio-oil yield prediction – A genetic algorithm-based features selection. <i>Bioresource Technology</i> , 2021, 335, 125292.	4.8	82
40	Characteristics and evolution of heavy components in bio-oil from the pyrolysis of cellulose, hemicellulose and lignin. <i>Renewable and Sustainable Energy Reviews</i> , 2022, 157, 111989.	8.2	82
41	Effects of hydrofluoric acid pre-deashing of rice husk on physicochemical properties and CO <sub>2</sub> adsorption performance of nitrogen-enriched biochar. <i>Energy</i> , 2015, 91, 903-910.	4.5	79
42	NO <sub>x</sub> precursors from biomass pyrolysis: Distribution of amino acids in biomass and Tar-N during devolatilization using model compounds. <i>Fuel</i> , 2017, 187, 367-375.	3.4	79
43	Aromatics production with metal oxides and ZSM-5 as catalysts in catalytic pyrolysis of wood sawdust. <i>Fuel Processing Technology</i> , 2019, 188, 146-152.	3.7	78
44	Influence of NH <sub>3</sub> concentration on biomass nitrogen-enriched pyrolysis. <i>Bioresource Technology</i> , 2018, 263, 350-357.	4.8	74
45	Molten salt pyrolysis of biomass: The mechanism of volatile reforming and pyrolysis. <i>Energy</i> , 2020, 213, 118801.	4.5	74
46	Absorption-enhanced steam gasification of biomass for hydrogen production: Effect of calcium oxide addition on steam gasification of pyrolytic volatiles. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 15416-15423.	3.8	71
47	Conversion of lignin into light olefins and aromatics over Fe/ZSM-5 catalytic fast pyrolysis: Significance of Fe contents and temperature. <i>Journal of Analytical and Applied Pyrolysis</i> , 2019, 137, 259-265.	2.6	70
48	Application of biomass pyrolytic polygeneration technology using retort reactors. <i>Bioresource Technology</i> , 2016, 200, 64-71.	4.8	69
49	Comparative study of wet and dry torrefaction of corn stalk and the effect on biomass pyrolysis polygeneration. <i>Bioresource Technology</i> , 2018, 258, 88-97.	4.8	67
50	A new insight of lignin pyrolysis mechanism based on functional group evolutions of solid char. <i>Fuel</i> , 2021, 288, 119719.	3.4	67
51	Role of porous structure and active O-containing groups of activated biochar catalyst during biomass catalytic pyrolysis. <i>Energy</i> , 2020, 210, 118646.	4.5	66
52	Tuning the atomic configuration of Co-N-C electrocatalyst enables highly-selective H <sub>2</sub> O <sub>2</sub> production in acidic media. <i>Applied Catalysis B: Environmental</i> , 2022, 310, 121312.	10.8	64
53	Hemicellulose pyrolysis mechanism based on functional group evolutions by two-dimensional perturbation correlation infrared spectroscopy. <i>Fuel</i> , 2020, 267, 117302.	3.4	63
54	Catalytic fast pyrolysis of biomass to produce furfural using heterogeneous catalysts. <i>Journal of Analytical and Applied Pyrolysis</i> , 2017, 127, 292-298.	2.6	62

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55	Co-pyrolysis of microalgae with low-density polyethylene (LDPE) for deoxygenation and denitrification. <i>Bioresource Technology</i> , 2020, 311, 123502.	4.8	62
56	Absorption-enhanced steam gasification of biomass for hydrogen production: Effects of calcium-based absorbents and NiO-based catalysts on corn stalk pyrolysis-gasification. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 5840-5848.	3.8	61
57	Preparation of mesoporous ZSM-5 catalysts using green templates and their performance in biomass catalytic pyrolysis. <i>Bioresource Technology</i> , 2019, 289, 121729.	4.8	61
58	Plasma reforming of biomass gasification tars using mixed naphthalene and toluene as model compounds. <i>Energy Conversion and Management</i> , 2019, 195, 409-419.	4.4	61
59	Enhancing the production of light olefins and aromatics from catalytic fast pyrolysis of cellulose in a dual-catalyst fixed bed reactor. <i>Bioresource Technology</i> , 2019, 273, 77-85.	4.8	61
60	Characteristics of Particulate Matter Emitted from Agricultural Biomass Combustion. <i>Energy &amp; Fuels</i> , 2017, 31, 7493-7501.	2.5	57
61	Effects of potassium salts loading on calcium oxide on the hydrogen production from pyrolysis-gasification of biomass. <i>Bioresource Technology</i> , 2018, 249, 744-750.	4.8	56
62	Hydrogen production from cellulose catalytic gasification on CeO <sub>2</sub> /Fe <sub>2</sub> O <sub>3</sub> catalyst. <i>Energy Conversion and Management</i> , 2018, 171, 241-248.	4.4	55
63	Comprehensive mechanism of initial stage for lignin pyrolysis. <i>Combustion and Flame</i> , 2020, 215, 1-9.	2.8	54
64	Correlation of Feedstock and Bio-oil Compound Distribution. <i>Energy &amp; Fuels</i> , 2017, 31, 7093-7100.	2.5	53
65	Generalized two-dimensional correlation infrared spectroscopy to reveal the mechanisms of lignocellulosic biomass pyrolysis. <i>Proceedings of the Combustion Institute</i> , 2019, 37, 3013-3021.	2.4	53
66	Solar pyrolysis of cotton stalk in molten salt for bio-fuel production. <i>Energy</i> , 2019, 179, 1124-1132.	4.5	53
67	Effect of minerals and binders on particulate matter emission from biomass pellets combustion. <i>Applied Energy</i> , 2018, 215, 106-115.	5.1	52
68	The conversion of biomass to light olefins on Fe-modified ZSM-5 catalyst: Effect of pyrolysis parameters. <i>Science of the Total Environment</i> , 2018, 628-629, 350-357.	3.9	52
69	Plasma reforming of naphthalene as a tar model compound of biomass gasification. <i>Energy Conversion and Management</i> , 2019, 187, 593-604.	4.4	52
70	Investigation of the pyrolysis characteristics of guaiacol lignin using combined Py-GC/TOF-MS and in-situ FTIR. <i>Fuel</i> , 2019, 251, 496-505.	3.4	51
71	Effect of Carboxymethyl Cellulose Binder on the Quality of Biomass Pellets. <i>Energy &amp; Fuels</i> , 2016, 30, 5799-5808.	2.5	50
72	Biomass Pyrolytic Polygeneration of Tobacco Waste: Product Characteristics and Nitrogen Transformation. <i>Energy &amp; Fuels</i> , 2016, 30, 1579-1588.	2.5	48

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73	The effect of combined pretreatments on the pyrolysis of corn stalk. <i>Bioresource Technology</i> , 2019, 281, 309-317.	4.8	48
74	Generalized two-dimensional correlation infrared spectroscopy to reveal mechanisms of CO <sub>2</sub> capture in nitrogen enriched biochar. <i>Proceedings of the Combustion Institute</i> , 2017, 36, 3933-3940.	2.4	45
75	The enhancing mechanism of calcium oxide on water gas shift reaction for hydrogen production. <i>Energy</i> , 2014, 68, 248-254.	4.5	44
76	Enhanced reforming of mixed biomass tar model compounds using a hybrid gliding arc plasma catalytic process. <i>Catalysis Today</i> , 2019, 337, 225-233.	2.2	42
77	Pyrolytic characteristics of hemicellulose, cellulose and lignin under CO <sub>2</sub> atmosphere. <i>Fuel</i> , 2019, 256, 115890.	3.4	41
78	Plasma reforming of tar model compound in a rotating gliding arc reactor: Understanding the effects of CO <sub>2</sub> and H <sub>2</sub> O addition. <i>Fuel</i> , 2020, 259, 116271.	3.4	41
79	Effect of Torrefaction on Properties of Pellets Produced from Woody Biomass. <i>Energy &amp; Fuels</i> , 2020, 34, 15343-15354.	2.5	40
80	Evolution of char structure during mengdong coal pyrolysis: Influence of temperature and K <sub>2</sub> CO <sub>3</sub> . <i>Fuel Processing Technology</i> , 2017, 159, 178-186.	3.7	39
81	Cellulose Pyrolysis Mechanism Based on Functional Group Evolutions by Two-Dimensional Perturbation Correlation Infrared Spectroscopy. <i>Energy &amp; Fuels</i> , 2020, 34, 3412-3421.	2.5	39
82	Characteristics and Evolution of Nitrogen in the Heavy Components of Algae Pyrolysis Bio-Oil. <i>Environmental Science &amp; Technology</i> , 2021, 55, 6373-6385.	4.6	39
83	Tuning Coal into Graphene-Like Nanocarbon for Electrochemical H <sub>2</sub> O <sub>2</sub> Production with Nearly 100% Faraday Efficiency. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 9369-9375.	3.2	37
84	Organic salt-assisted pyrolysis for preparation of porous carbon from cellulose, hemicellulose and lignin: New insight from structure evolution. <i>Fuel</i> , 2021, 291, 120185.	3.4	36
85	Insight into the formation mechanism of N, P co-doped mesoporous biochar from H <sub>3</sub> PO <sub>4</sub> activation and NH <sub>3</sub> modification of biomass. <i>Fuel Processing Technology</i> , 2022, 230, 107215.	3.7	35
86	Molten salt pyrolysis of biomass: The evaluation of molten salt. <i>Fuel</i> , 2021, 302, 121103.	3.4	34
87	Influence of torrefaction with Mg-based additives on the pyrolysis of cotton stalk. <i>Bioresource Technology</i> , 2018, 261, 62-69.	4.8	31
88	The new insight about mechanism of the influence of K <sub>2</sub> CO <sub>3</sub> on cellulose pyrolysis. <i>Fuel</i> , 2021, 295, 120617.	3.4	31
89	Catalytic Upgrading of Fast Pyrolysis Products with Fe-, Zr-, and Co-Modified Zeolites Based on Pyrolyzer- <sup>13</sup> C/MS Analysis. <i>Energy &amp; Fuels</i> , 2017, 31, 3979-3986.	2.5	30
90	Effect of sodium carboxymethyl cellulose addition on particulate matter emissions during biomass pellet combustion. <i>Applied Energy</i> , 2018, 230, 925-934.	5.1	30

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91	Coal and biomass co-pyrolysis in a fluidized-bed reactor: Numerical assessment of fuel type and blending conditions. <i>Fuel</i> , 2020, 275, 118004.	3.4	29
92	Ash Fusion Characteristics and Transformation Behaviors during Bamboo Combustion in Comparison with Straw and Poplar. <i>Energy &amp; Fuels</i> , 2018, 32, 5244-5251.	2.5	27
93	Preparation of low-nitrogen and high-quality bio-oil from microalgae catalytic pyrolysis with zeolites and activated carbon. <i>Journal of Analytical and Applied Pyrolysis</i> , 2021, 159, 105182.	2.6	27
94	Characterization of Hydrochar Pellets from Hydrothermal Carbonization of Agricultural Residues. <i>Energy &amp; Fuels</i> , 2018, 32, 11538-11546.	2.5	26
95	Effects of Combined Torrefaction and Pelletization on Particulate Matter Emission from Biomass Pellet Combustion. <i>Energy &amp; Fuels</i> , 2019, 33, 8777-8785.	2.5	26
96	Effect of Heavy Metals in the Performance of Anaerobic Digestion of Olive Mill Waste. <i>Processes</i> , 2020, 8, 1146.	1.3	26
97	Mitigation of ultrafine particulate matter emission from agricultural biomass pellet combustion by the additive of phosphoric acid modified kaolin. <i>Renewable Energy</i> , 2021, 172, 177-187.	4.3	26
98	Physicochemical properties and hygroscopicity of tobacco stem biochar pyrolyzed at different temperatures. <i>Journal of Renewable and Sustainable Energy</i> , 2016, 8, .	0.8	23
99	Lignin Characterization and Catalytic Pyrolysis for Phenol-Rich Oil with TiO <sub>2</sub> -Based Catalysts. <i>Energy &amp; Fuels</i> , 2019, 33, 9934-9941.	2.5	23
100	Effect of oxidative torrefaction on particulate matter emission from agricultural biomass pellet combustion in comparison with non-oxidative torrefaction. <i>Renewable Energy</i> , 2022, 189, 39-51.	4.3	23
101	Influence of additives on lignin agglomeration and pyrolysis behavior. <i>Fuel</i> , 2020, 263, 116629.	3.4	22
102	The influence of CO <sub>2</sub> on biomass fast pyrolysis at medium temperatures. <i>Journal of Renewable and Sustainable Energy</i> , 2018, 10, .	0.8	21
103	A new insight into chemical reactions between biomass and alkaline additives during pyrolysis process. <i>Proceedings of the Combustion Institute</i> , 2021, 38, 3881-3890.	2.4	21
104	Influence of Inherent Silicon and Metals in Rice Husk on the Char Properties and Associated Silica Structure. <i>Energy &amp; Fuels</i> , 2015, 29, 7327-7334.	2.5	20
105	Catalytic mechanisms of potassium salts on pyrolysis of β-O-4 type lignin model polymer based on DFT study. <i>Proceedings of the Combustion Institute</i> , 2021, 38, 3969-3976.	2.4	20
106	Application of Carbon Nanotubes from Waste Plastics As Filler to Epoxy Resin Composite. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 2204-2213.	3.2	20
107	Influence of Biochar on the Steam Reforming of Biomass Volatiles: Effects of Activation Temperature and Atmosphere. <i>Energy &amp; Fuels</i> , 2019, 33, 2328-2334.	2.5	19
108	Reaction kinetics, mechanism, and product analysis of the iron catalytic graphitization of cellulose. <i>Journal of Cleaner Production</i> , 2021, 329, 129735.	4.6	19

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109	Experiment and Modeling Study of Glucose Pyrolysis: Formation of 3-Hydroxy- $\beta$ -butyrolactone and 3-(2H-Furanone). <i>Energy &amp; Fuels</i> , 2018, 32, 9519-9529.	2.5	18
110	Catalytic Pyrolysis of Biomass to Produce Aromatic Hydrocarbons over Calcined Dolomite and ZSM-5. <i>Energy &amp; Fuels</i> , 2021, 35, 16629-16636.	2.5	18
111	P-Based Additive for Reducing Fine Particulate Matter Emissions during Agricultural Biomass Combustion. <i>Energy &amp; Fuels</i> , 2019, 33, 11274-11284.	2.5	17
112	Impact of cellulose deoxidization temperature on the composition of liquid products obtained by subsequent pyrolysis. <i>Fuel Processing Technology</i> , 2019, 184, 73-79.	3.7	17
113	Effects of cellulose-lignin interaction on the evolution of biomass pyrolysis bio-oil heavy components. <i>Fuel</i> , 2022, 323, 124413.	3.4	17
114	Reduction of fine particulate matter emissions from cornstalk combustion by calcium phosphates additives. <i>Fuel</i> , 2021, 283, 119303.	3.4	16
115	Effect of Mesopores in ZSM-5 on the Catalytic Conversion of Acetic Acid, Furfural, and Guaiacol. <i>Energy &amp; Fuels</i> , 2021, 35, 6022-6029.	2.5	16
116	Influence of Addition of a High Amount of Calcium Oxide on the Yields of Pyrolysis Products and Noncondensable Gas Evolving during Corn Stalk Pyrolysis. <i>Energy &amp; Fuels</i> , 2017, 31, 13705-13712.	2.5	15
117	Enhancing the Production of Light Olefins from Wheat Straw with Modified HZSM-5 Catalytic Pyrolysis. <i>Energy &amp; Fuels</i> , 2019, 33, 11263-11273.	2.5	15
118	Two-Dimensional Perturbation Correlation Infrared Spectroscopy for Probing Pyrolysis of Biomass: Fundamentals, Applications, and Mechanistic Understanding. <i>Energy &amp; Fuels</i> , 2020, 34, 9154-9174.	2.5	15
119	Effects of P-based additives on agricultural biomass torrefaction and particulate matter emissions from fuel combustion. <i>Renewable Energy</i> , 2022, 190, 66-77.	4.3	15
120	Solar pyrolysis of biomass - part I: Volatile evolution mechanism. <i>Energy Conversion and Management</i> , 2022, 267, 115951.	4.4	15
121	Co-gasification of petroleum coke with coal at high temperature: Effects of blending ratio and the catalyst. <i>Fuel</i> , 2022, 307, 121863.	3.4	14
122	Effect of phosphorus-based additives on the sintering characteristics of cornstalk ash. <i>Journal of the Energy Institute</i> , 2021, 97, 37-47.	2.7	13
123	Thermal decomposition pathways of phenylalanine and glutamic acid and the interaction mechanism between the two amino acids and glucose. <i>Fuel</i> , 2022, 324, 124345.	3.4	13
124	Effects of Temperature and Mg-Based Additives on Properties of Cotton Stalk Torrefaction Products. <i>Energy &amp; Fuels</i> , 2018, 32, 9640-9649.	2.5	12
125	Hydrothermal Treatment of High Ash Microalgae: Focusing on the Physicochemical and Combustion Properties of Hydrochars. <i>Energy &amp; Fuels</i> , 2020, 34, 1929-1939.	2.5	10
126	Integrated gasification and non-thermal plasma-catalysis system for cleaner syngas production from cellulose. <i>IOP SciNotes</i> , 2020, 1, 024001.	0.4	9



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127	Catalytic pyrolysis of cellulose with sulfonated carbon catalyst to produce levoglucosenone. Fuel Processing Technology, 2022, 234, 107323.	3.7	9
128	Influence of calcination temperature on calcined carbide slag assisted biomass pyrolysis. Fuel Processing Technology, 2022, 234, 107339.	3.7	9
129	Virtual Special Issue of Recent Research Advances in China: Thermochemical Processing of Biomass and Solid Wastes. Energy & Fuels, 2021, 35, 1885-1889.	2.5	6
130	Effects of acid and metal salt additives on product characteristics of biomass microwave pyrolysis. Journal of Renewable and Sustainable Energy, 2016, 8, .	0.8	5
131	Effects of the physicochemical properties of biochar and soil on moisture sorption. Journal of Renewable and Sustainable Energy, 2016, 8, 064702.	0.8	5
132	Enhanced Wet Flue Gas Desulfurization Properties by Additives of Organic Acids, Organic Salts, Inorganic Salts, and Organic Amines. Energy & Fuels, 2020, 34, 14429-14438.	2.5	5
133	CFD Modelling of the Fuel Reactor of a Chemical Loping Combustion Plant to Be Used with Biomethane. Processes, 2022, 10, 588.	1.3	5
134	Catalytic Hydrotreatment of Industrial Wood Tar under Supercritical Ethanol Conditions. Energy & Fuels, 2020, 34, 5983-5989.	2.5	3
135	Pyrolysis Chemistry and Mechanisms: Interactions of Primary Components. Biofuels and Biorefineries, 2020, , 113-137.	0.5	1