

Haiping Yang

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134
papers

11,290
citations

43
h-index

106
g-index

137
ext. papers

14,151
ext. citations

7.5
avg, IF

6.71
L-index

#	Paper	IF	Citations
134	Characteristics of hemicellulose, cellulose and lignin pyrolysis. <i>Fuel</i> , 2007 , 86, 1781-1788	7.1	4492
133	Lignocellulosic biomass pyrolysis mechanism: A state-of-the-art review. <i>Progress in Energy and Combustion Science</i> , 2017 , 62, 33-86	33.6	1182
132	In-Depth Investigation of Biomass Pyrolysis Based on Three Major Components: Hemicellulose, Cellulose and Lignin. <i>Energy & Fuels</i> , 2006 , 20, 388-393	4.1	768
131	Biomass-based pyrolytic polygeneration system on cotton stalk pyrolysis: influence of temperature. <i>Bioresource Technology</i> , 2012 , 107, 411-8	11	279
130	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	7.2	170
129	Transformation of Nitrogen and Evolution of N-Containing Species during Algae Pyrolysis. <i>Environmental Science & Technology</i> , 2017 , 51, 6570-6579	10.3	149
128	Hydrogen production from biomass gasification using biochar as a catalyst/support. <i>Bioresource Technology</i> , 2016 , 216, 159-64	11	143
127	Mechanism of Palm Oil Waste Pyrolysis in a Packed Bed. <i>Energy & Fuels</i> , 2006 , 20, 1321-1328	4.1	133
126	The structure evolution of biochar from biomass pyrolysis and its correlation with gas pollutant adsorption performance. <i>Bioresource Technology</i> , 2017 , 246, 101-109	11	122
125	Fast pyrolysis of cotton stalk biomass using calcium oxide. <i>Bioresource Technology</i> , 2017 , 233, 15-20	11	111
124	Torrefaction of agriculture straws and its application on biomass pyrolysis poly-generation. <i>Bioresource Technology</i> , 2014 , 156, 70-7	11	111
123	Fusion and transformation properties of the inorganic components in biomass ash. <i>Fuel</i> , 2014 , 117, 1281-1287	11	109
122	Chemical structure evolution of char during the pyrolysis of cellulose. <i>Journal of Analytical and Applied Pyrolysis</i> , 2015 , 116, 263-271	6	95
121	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	7.1	91
120	Co-pyrolysis of lignocellulosic biomass and microalgae: Products characteristics and interaction effect. <i>Bioresource Technology</i> , 2017 , 245, 860-868	11	86
119	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	10.6	78
118	Investigation on biomass nitrogen-enriched pyrolysis: Influence of temperature. <i>Bioresource Technology</i> , 2018 , 249, 247-253	11	77

117	Effect of catalysts on the reactivity and structure evolution of char in petroleum coke steam gasification. <i>Fuel</i> , 2014 , 117, 1174-1180	7.1	77
116	Biomass pyrolysis for nitrogen-containing liquid chemicals and nitrogen-doped carbon materials. <i>Journal of Analytical and Applied Pyrolysis</i> , 2016 , 120, 186-193	6	77
115	Biomass-Based Pyrolytic Polygeneration System for Bamboo Industry Waste: Evolution of the Char Structure and the Pyrolysis Mechanism. <i>Energy & Fuels</i> , 2016 , 30, 6430-6439	4.1	75
114	Effects of Fe-, Zr-, and Co-Modified Zeolites and Pretreatments on Catalytic Upgrading of Biomass Fast Pyrolysis Vapors. <i>Energy & Fuels</i> , 2016 , 30, 3004-3013	4.1	74
113	Assessment of pyrolysis polygeneration of biomass based on major components: Product characterization and elucidation of degradation pathways. <i>Fuel</i> , 2013 , 113, 266-273	7.1	74
112	The densification of bio-char: Effect of pyrolysis temperature on the qualities of pellets. <i>Bioresource Technology</i> , 2016 , 200, 521-7	11	73
111	Algae pyrolytic poly-generation: Influence of component difference and temperature on products characteristics. <i>Energy</i> , 2017 , 131, 1-12	7.9	72
110	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	11	71
109	Co-pyrolysis of microalgae and plastic: Characteristics and interaction effects. <i>Bioresource Technology</i> , 2019 , 274, 145-152	11	66
108	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	16.2	65
107	A Review of Recent Advances in Biomass Pyrolysis. <i>Energy & Fuels</i> , 2020 , 34, 15557-15578	4.1	65
106	Mechanism of biomass activation and ammonia modification for nitrogen-doped porous carbon materials. <i>Bioresource Technology</i> , 2019 , 280, 260-268	11	58
105	Catalytic deoxygenation co-pyrolysis of bamboo wastes and microalgae with biochar catalyst. <i>Energy</i> , 2018 , 157, 472-482	7.9	56
104	Effects of hydrofluoric acid pre-deashing of rice husk on physicochemical properties and CO ₂ adsorption performance of nitrogen-enriched biochar. <i>Energy</i> , 2015 , 91, 903-910	7.9	55
103	Influence of Biochar Addition on Nitrogen Transformation during Copyrolysis of Algae and Lignocellulosic Biomass. <i>Environmental Science & Technology</i> , 2018 , 52, 9514-9521	10.3	54
102	Insight into KOH activation mechanism during biomass pyrolysis: Chemical reactions between O-containing groups and KOH. <i>Applied Energy</i> , 2020 , 278, 115730	10.7	54
101	Application of biomass pyrolytic polygeneration technology using retort reactors. <i>Bioresource Technology</i> , 2016 , 200, 64-71	11	53
100	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	6.7	52

99	Pyrolysis characteristics of lignocellulosic biomass components in the presence of CaO. <i>Bioresource Technology</i> , 2019 , 287, 121493	11	50
98	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	11	49
97	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	10.6	48
96	NOx 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	7.1	48
95	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	6.7	46
94	Synthesis and characterization of magnesium oxide nanoparticle-containing biochar composites for efficient phosphorus removal from aqueous solution. <i>Chemosphere</i> , 2020 , 247, 125847	8.4	44
93	Influence of NH concentration on biomass nitrogen-enriched pyrolysis. <i>Bioresource Technology</i> , 2018 , 263, 350-357	11	44
92	Correlation of Feedstock and Bio-oil Compound Distribution. <i>Energy & Fuels</i> , 2017 , 31, 7093-7100	4.1	43
91	Characteristics of Particulate Matter Emitted from Agricultural Biomass Combustion. <i>Energy & Fuels</i> , 2017 , 31, 7493-7501	4.1	43
90	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	7.2	41
89	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	10.2	41
88	Effect of minerals and binders on particulate matter emission from biomass pellets combustion. <i>Applied Energy</i> , 2018 , 215, 106-115	10.7	40
87	Biomass Pyrolytic Polygeneration of Tobacco Waste: Product Characteristics and Nitrogen Transformation. <i>Energy & Fuels</i> , 2016 , 30, 1579-1588	4.1	40
86	Catalytic fast pyrolysis of biomass to produce furfural using heterogeneous catalysts. <i>Journal of Analytical and Applied Pyrolysis</i> , 2017 , 127, 292-298	6	40
85	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	6	40
84	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	6.7	38
83	Plasma reforming of biomass gasification tars using mixed naphthalene and toluene as model compounds. <i>Energy Conversion and Management</i> , 2019 , 195, 409-419	10.6	38
82	Preparation of mesoporous ZSM-5 catalysts using green templates and their performance in biomass catalytic pyrolysis. <i>Bioresource Technology</i> , 2019 , 289, 121729	11	38

81	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	11	37
80	Hydrogen production from cellulose catalytic gasification on CeO ₂ /Fe ₂ O ₃ catalyst. <i>Energy Conversion and Management</i> , 2018 , 171, 241-248	10.6	36
79	Molten salt pyrolysis of biomass: The mechanism of volatile reforming and pyrolysis. <i>Energy</i> , 2020 , 213, 118801	7.9	36
78	Prediction of Bio-oil Yield and Hydrogen Contents Based on Machine Learning Method: Effect of Biomass Compositions and Pyrolysis Conditions. <i>Energy & Fuels</i> , 2020 , 34, 11050-11060	4.1	36
77	Effect of Carboxymethyl Cellulose Binder on the Quality of Biomass Pellets. <i>Energy & Fuels</i> , 2016 , 30, 5799-5808	4.1	34
76	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	11	34
75	Evolution of char structure during mengdong coal pyrolysis: Influence of temperature and K ₂ CO ₃ . <i>Fuel Processing Technology</i> , 2017 , 159, 178-186	7.2	33
74	The enhancing mechanism of calcium oxide on water gas shift reaction for hydrogen production. <i>Energy</i> , 2014 , 68, 248-254	7.9	33
73	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	5.9	32
72	Plasma reforming of naphthalene as a tar model compound of biomass gasification. <i>Energy Conversion and Management</i> , 2019 , 187, 593-604	10.6	31
71	Investigation of the pyrolysis characteristics of guaiacol lignin using combined Py-GC/MS and in-situ FTIR. <i>Fuel</i> , 2019 , 251, 496-505	7.1	30
70	Hemicellulose pyrolysis mechanism based on functional group evolutions by two-dimensional perturbation correlation infrared spectroscopy. <i>Fuel</i> , 2020 , 267, 117302	7.1	30
69	Generalized two-dimensional correlation infrared spectroscopy to reveal mechanisms of CO ₂ capture in nitrogen enriched biochar. <i>Proceedings of the Combustion Institute</i> , 2017 , 36, 3933-3940	5.9	28
68	Solar pyrolysis of cotton stalk in molten salt for bio-fuel production. <i>Energy</i> , 2019 , 179, 1124-1132	7.9	27
67	The effect of combined pretreatments on the pyrolysis of corn stalk. <i>Bioresource Technology</i> , 2019 , 281, 309-317	11	27
66	Enhanced reforming of mixed biomass tar model compounds using a hybrid gliding arc plasma catalytic process. <i>Catalysis Today</i> , 2019 , 337, 225-233	5.3	27
65	Plasma reforming of tar model compound in a rotating gliding arc reactor: Understanding the effects of CO ₂ and H ₂ O addition. <i>Fuel</i> , 2020 , 259, 116271	7.1	27
64	Influence of torrefaction with Mg-based additives on the pyrolysis of cotton stalk. <i>Bioresource Technology</i> , 2018 , 261, 62-69	11	25

63	Co-pyrolysis of microalgae with low-density polyethylene (LDPE) for deoxygenation and denitrification. <i>Bioresource Technology</i> , 2020 , 311, 123502	11	25
62	Pyrolytic characteristics of hemicellulose, cellulose and lignin under CO ₂ atmosphere. <i>Fuel</i> , 2019 , 256, 115890	7.1	24
61	Catalytic Upgrading of Fast Pyrolysis Products with Fe-, Zr-, and Co-Modified Zeolites Based on Pyrolyzer GC/MS Analysis. <i>Energy & Fuels</i> , 2017 , 31, 3979-3986	4.1	23
60	Role of porous structure and active O-containing groups of activated biochar catalyst during biomass catalytic pyrolysis. <i>Energy</i> , 2020 , 210, 118646	7.9	23
59	Pyrolysis-catalysis of different waste plastics over Fe/Al ₂ O ₃ catalyst: High-value hydrogen, liquid fuels, carbon nanotubes and possible reaction mechanisms. <i>Energy Conversion and Management</i> , 2021 , 229, 113794	10.6	23
58	Ash Fusion Characteristics and Transformation Behaviors during Bamboo Combustion in Comparison with Straw and Poplar. <i>Energy & Fuels</i> , 2018 , 32, 5244-5251	4.1	21
57	Comprehensive mechanism of initial stage for lignin pyrolysis. <i>Combustion and Flame</i> , 2020 , 215, 1-9	5.3	21
56	A new insight of lignin pyrolysis mechanism based on functional group evolutions of solid char. <i>Fuel</i> , 2021 , 288, 119719	7.1	21
55	Coal and biomass co-pyrolysis in a fluidized-bed reactor: Numerical assessment of fuel type and blending conditions. <i>Fuel</i> , 2020 , 275, 118004	7.1	19
54	Physicochemical properties and hygroscopicity of tobacco stem biochar pyrolyzed at different temperatures. <i>Journal of Renewable and Sustainable Energy</i> , 2016 , 8, 013112	2.5	19
53	Characterization of Hydrochar Pellets from Hydrothermal Carbonization of Agricultural Residues. <i>Energy & Fuels</i> , 2018 , 32, 11538-11546	4.1	19
52	Effect of sodium carboxymethyl cellulose addition on particulate matter emissions during biomass pellet combustion. <i>Applied Energy</i> , 2018 , 230, 925-934	10.7	19
51	Influence of Inherent Silicon and Metals in Rice Husk on the Char Properties and Associated Silica Structure. <i>Energy & Fuels</i> , 2015 , 29, 7327-7334	4.1	17
50	Lignin Characterization and Catalytic Pyrolysis for Phenol-Rich Oil with TiO ₂ -Based Catalysts. <i>Energy & Fuels</i> , 2019 , 33, 9934-9941	4.1	16
49	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	11	16
48	Cellulose Pyrolysis Mechanism Based on Functional Group Evolutions by Two-Dimensional Perturbation Correlation Infrared Spectroscopy. <i>Energy & Fuels</i> , 2020 , 34, 3412-3421	4.1	15
47	The influence of CO ₂ on biomass fast pyrolysis at medium temperatures. <i>Journal of Renewable and Sustainable Energy</i> , 2018 , 10, 013108	2.5	15
46	Effects of Combined Torrefaction and Pelletization on Particulate Matter Emission from Biomass Pellet Combustion. <i>Energy & Fuels</i> , 2019 , 33, 8777-8785	4.1	14

45	Effect of Torrefaction on Properties of Pellets Produced from Woody Biomass. <i>Energy & Fuels</i> , 2020 , 34, 15343-15354	4.1	14
44	Influence of Biochar on the Steam Reforming of Biomass Volatiles: Effects of Activation Temperature and Atmosphere. <i>Energy & Fuels</i> , 2019 , 33, 2328-2334	4.1	13
43	Experiment and Modeling Study of Glucose Pyrolysis: Formation of 3-Hydroxy- β -butyrolactone and 3-(2H)-Furanone. <i>Energy & Fuels</i> , 2018 , 32, 9519-9529	4.1	13
42	Effect of Heavy Metals in the Performance of Anaerobic Digestion of Olive Mill Waste. <i>Processes</i> , 2020 , 8, 1146	2.9	12
41	Characteristics and Evolution of Nitrogen in the Heavy Components of Algae Pyrolysis Bio-Oil. <i>Environmental Science & Technology</i> , 2021 , 55, 6373-6385	10.3	12
40	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	7.1	12
39	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	16.2	11
38	Effects of Temperature and Mg-Based Additives on Properties of Cotton Stalk Torrefaction Products. <i>Energy & Fuels</i> , 2018 , 32, 9640-9649	4.1	10
37	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 & Fuels</i> , 2017 , 31, 13705-13712	4.1	10
36	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	8.1	10
35	Influence of additives on lignin agglomeration and pyrolysis behavior. <i>Fuel</i> , 2020 , 263, 116629	7.1	9
34	Impact of cellulose deoxidization temperature on the composition of liquid products obtained by subsequent pyrolysis. <i>Fuel Processing Technology</i> , 2019 , 184, 73-79	7.2	9
33	P-Based Additive for Reducing Fine Particulate Matter Emissions during Agricultural Biomass Combustion. <i>Energy & Fuels</i> , 2019 , 33, 11274-11284	4.1	8
32	Hydrothermal Treatment of High Ash Microalgae: Focusing on the Physicochemical and Combustion Properties of Hydrochars. <i>Energy & Fuels</i> , 2020 , 34, 1929-1939	4.1	7
31	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	5.9	7
30	Reduction of fine particulate matter emissions from cornstalk combustion by calcium phosphates additives. <i>Fuel</i> , 2021 , 283, 119303	7.1	7
29	Enhancing the Production of Light Olefins from Wheat Straw with Modified HZSM-5 Catalytic Pyrolysis. <i>Energy & Fuels</i> , 2019 , 33, 11263-11273	4.1	6
28	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	6	6

27	Catalytic mechanisms of potassium salts on pyrolysis of EO-4 type lignin model polymer based on DFT study. <i>Proceedings of the Combustion Institute</i> , 2021 , 38, 3969-3976	5.9	6
26	Tuning Coal into Graphene-Like Nanocarbon for Electrochemical H ₂ O ₂ Production with Nearly 100% Faraday Efficiency. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 9369-9375	8.3	6
25	Application of Carbon Nanotubes from Waste Plastics As Filler to Epoxy Resin Composite.. <i>ACS Sustainable Chemistry and Engineering</i> , 2022 , 10, 2204-2213	8.3	5
24	Integrated gasification and non-thermal plasma-catalysis system for cleaner syngas production from cellulose. <i>IOP SciNotes</i> , 2020 , 1, 024001	1.2	5
23	Effects of acid and metal salt additives on product characteristics of biomass microwave pyrolysis. <i>Journal of Renewable and Sustainable Energy</i> , 2016 , 8, 063103	2.5	5
22	Molten salt pyrolysis of biomass: The evaluation of molten salt. <i>Fuel</i> , 2021 , 302, 121103	7.1	5
21	Two-Dimensional Perturbation Correlation Infrared Spectroscopy for Probing Pyrolysis of Biomass: Fundamentals, Applications, and Mechanistic Understanding. <i>Energy & Fuels</i> , 2020 , 34, 9154-9174	4.1	4
20	Effect of phosphorus-based additives on the sintering characteristics of cornstalk ash. <i>Journal of the Energy Institute</i> , 2021 , 97, 37-47	5.7	4
19	The new insight about mechanism of the influence of K ₂ CO ₃ on cellulose pyrolysis. <i>Fuel</i> , 2021 , 295, 120617	6.17	3
18	Tuning the atomic configuration of Co-N-C electrocatalyst enables highly-selective H ₂ O ₂ production in acidic media. <i>Applied Catalysis B: Environmental</i> , 2022 , 310, 121312	21.8	3
17	Catalytic Hydrotreatment of Industrial Wood Tar under Supercritical Ethanol Conditions. <i>Energy & Fuels</i> , 2020 , 34, 5983-5989	4.1	2
16	Reaction kinetics, mechanism, and product analysis of the iron catalytic graphitization of cellulose. <i>Journal of Cleaner Production</i> , 2021 , 329, 129735	10.3	2
15	Catalytic Pyrolysis of Biomass to Produce Aromatic Hydrocarbons over Calcined Dolomite and ZSM-5. <i>Energy & Fuels</i> , 2021 , 35, 16629-16636	4.1	2
14	Enhanced Wet Flue Gas Desulfurization Properties by Additives of Organic Acids, Organic Salts, Inorganic Salts, and Organic Amines. <i>Energy & Fuels</i> , 2020 , 34, 14429-14438	4.1	2
13	Effect of Mesopores in ZSM-5 on the Catalytic Conversion of Acetic Acid, Furfural, and Guaiacol. <i>Energy & Fuels</i> , 2021 , 35, 6022-6029	4.1	2
12	Effects of the physicochemical properties of biochar and soil on moisture sorption. <i>Journal of Renewable and Sustainable Energy</i> , 2016 , 8, 064702	2.5	2
11	Co-gasification of petroleum coke with coal at high temperature: Effects of blending ratio and the catalyst. <i>Fuel</i> , 2022 , 307, 121863	7.1	2
10	Pyrolysis Chemistry and Mechanisms: Interactions of Primary Components. <i>Biofuels and Biorefineries</i> , 2020 , 113-137	0.3	1

9	CFD Modelling of the Fuel Reactor of a Chemical Loping Combustion Plant to Be Used with Biomethane. <i>Processes</i> , 2022 , 10, 588	2.9	o
8	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	8.1	o
7	Effects of P-based additives on agricultural biomass torrefaction and particulate matter emissions from fuel combustion. <i>Renewable Energy</i> , 2022 , 190, 66-77	8.1	o
6	Insight into the formation mechanism of N, P co-doped mesoporous biochar from H3PO4 activation and NH3 modification of biomass. <i>Fuel Processing Technology</i> , 2022 , 230, 107215	7.2	o
5	Effects of cellulose-lignin interaction on the evolution of biomass pyrolysis bio-oil heavy components. <i>Fuel</i> , 2022 , 323, 124413	7.1	o
4	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	7.1	o
3	Catalytic pyrolysis of cellulose with sulfonated carbon catalyst to produce levoglucosenone. <i>Fuel Processing Technology</i> , 2022 , 234, 107323	7.2	o
2	Influence of calcination temperature on calcined carbide slag assisted biomass pyrolysis. <i>Fuel Processing Technology</i> , 2022 , 234, 107339	7.2	o
1	Carbon Nanotubes for Hydrogen Purification and Storage 2020 , 211-238		