

# Hong-Peng Liu

## List of Publications by Year in descending order

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26  
papers

448  
citations

840776

11  
h-index

752698

20  
g-index

26  
all docs

26  
docs citations

26  
times ranked

385  
citing authors

#	ARTICLE	IF	CITATIONS
1	Interactions and kinetic analysis of oil shale semi-coke with cornstalk during co-combustion. <i>Applied Energy</i> , 2011, 88, 2080-2087.	10.1	64
2	Thermal behavior research for co-combustion of furfural residue and oil shale semi-coke. <i>Applied Thermal Engineering</i> , 2017, 120, 19-25.	6.0	50
3	Influence of air oxidative and non-oxidative torrefaction on the chemical properties of corn stalk. <i>Bioresource Technology</i> , 2021, 332, 125120.	9.6	49
4	Synergy in co-combustion of oil shale semi-coke with torrefied cornstalk. <i>Applied Thermal Engineering</i> , 2016, 109, 653-662.	6.0	33
5	Study on Co-combustion Kinetics of Oil Shale Sludge and Semicoke. <i>Energy &amp; Fuels</i> , 2016, 30, 2373-2384.	5.1	29
6	Investigation of Behavior of Sulfur in Oil Fractions During Oil Shale Pyrolysis. <i>Energy &amp; Fuels</i> , 2019, 33, 10622-10637.	5.1	22
7	Effect of blending sewage sludge with coal on combustion and ash slagging behavior. <i>RSC Advances</i> , 2019, 9, 29482-29492.	3.6	17
8	TG-FTIR analysis of co-combustion characteristics of oil shale semi-coke and corn straw. <i>Journal of Thermal Analysis and Calorimetry</i> , 2017, 127, 2531-2544.	3.6	16
9	Combustion characteristics and typical pollutant emissions of corn stalk blending with municipal sewage sludge. <i>Environmental Science and Pollution Research</i> , 2021, 28, 9792-9805.	5.3	16
10	Effects of sludge pyrolysis temperature and atmosphere on characteristics of biochar and gaseous products. <i>Korean Journal of Chemical Engineering</i> , 2021, 38, 55-63.	2.7	16
11	Thermal behavior of co-combustion of oil shale semi-coke with torrefied cornstalk. <i>Applied Thermal Engineering</i> , 2016, 109, 413-422.	6.0	14
12	Density functional theory-based investigation of HCN and NH <sub>3</sub> formation mechanisms during phenylalanine pyrolysis. <i>RSC Advances</i> , 2020, 10, 28431-28436.	3.6	13
13	Quantitative study of the pyrolysis of levoglucosan to generate small molecular gases. <i>RSC Advances</i> , 2019, 9, 18791-18802.	3.6	12
14	Influence of Sewage Sludge on Ash Fusion during Combustion of Maize Straw. <i>Energy &amp; Fuels</i> , 2019, 33, 10237-10246.	5.1	12
15	Co-combustion of Oil Shale Retorting Solid Waste with Cornstalk Particles in a Circulating Fluidized Bed. <i>Energy &amp; Fuels</i> , 2015, 29, 6832-6838.	5.1	11
16	Experimental Study on Product Gas and Tar Removal in Air-Steam Gasification of Corn Straw in a Bench-Scale Internally Circulating Fluidized Bed. <i>Energy &amp; Fuels</i> , 2020, 34, 1908-1917.	5.1	11
17	Synergistic effects of co-combustion of sewage sludge and corn stalk and the resulting gas emission characteristics. <i>IET Renewable Power Generation</i> , 2020, 14, 1596-1605.	3.1	11
18	Research on the evolution characteristics of oxygen-containing functional groups during the combustion process of the torrefied corn stalk. <i>Biomass and Bioenergy</i> , 2022, 158, 106343.	5.7	10

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19	Migration characteristics of heavy metals during co-combustion of dehydrated sludge with straw. <i>Journal of Fuel Chemistry and Technology</i> , 2022, 50, 283-294.	2.0	9
20	Combustion characteristics of activated carbon particles. <i>Journal of Thermal Analysis and Calorimetry</i> , 2017, 130, 1191-1200.	3.6	8
21	Mechanistic investigation of CO generation by pyrolysis of furan and its main derivatives. <i>RSC Advances</i> , 2019, 9, 9099-9105.	3.6	7
22	Experimental study on influence of operating parameters on tar components from corn straw gasification in fluidized bed. <i>Frontiers in Energy</i> , 2021, 15, 374-383.	2.3	5
23	Response surface analysis of energy balance and optimum condition for torrefaction of corn straw. <i>Korean Journal of Chemical Engineering</i> , 2022, 39, 1287-1298.	2.7	5
24	Pyrolysis Characteristics of Indonesian Oil Sand in a Fixed Bed. <i>ACS Omega</i> , 2022, 7, 23315-23321.	3.5	4
25	Study on Spontaneous Combustion Characteristics and Risk of Oil Shale. <i>Combustion Science and Technology</i> , 0, , 1-17.	2.3	3
26	Numerical simulation of high-temperature corrosion and NOx generation characteristics of a boiler. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 0, , 1-22.	2.3	1