

# Baizhong Sun

## List of Publications by Year in descending order

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Version: 2024-02-01

18  
papers

256  
citations

933447

10  
h-index

940533

16  
g-index

18  
all docs

18  
docs citations

18  
times ranked

203  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Effects of calcium oxide on nitrogen oxide precursor formation during sludge protein pyrolysis. <i>Energy</i> , 2019, 189, 116217.	8.8	36
3	Effect of blending sewage sludge with coal on combustion and ash slagging behavior. <i>RSC Advances</i> , 2019, 9, 29482-29492.	3.6	17
4	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
5	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
6	Preparation and thermal properties of palmitic acid/expanded graphite/carbon fiber composite phase change materials for thermal energy storage. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020, 141, 25-35.	3.6	15
7	Effects of carbohydrates on NO <sub>3</sub> precursor formation from proteins during sewage sludge pyrolysis. <i>Environmental Technology and Innovation</i> , 2021, 23, 101594.	6.1	14
8	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
9	Quantitative study of the pyrolysis of levoglucosan to generate small molecular gases. <i>RSC Advances</i> , 2019, 9, 18791-18802.	3.6	12
10	Influence of Sewage Sludge on Ash Fusion during Combustion of Maize Straw. <i>Energy &amp; Fuels</i> , 2019, 33, 10237-10246.	5.1	12
11	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
12	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
13	Parametric analysis of a packed bed thermal storage device with phase change material capsules in a solar heating system application. <i>Building Simulation</i> , 2021, 14, 523-533.	5.6	9
14	Effects of lipids on sludge and chlorella protein pyrolysis by thermogravimetry Fourier transform infrared spectrometry. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 107011.	6.7	8
15	Mechanistic investigation of CO generation by pyrolysis of furan and its main derivatives. <i>RSC Advances</i> , 2019, 9, 9099-9105.	3.6	7
16	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
17	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
18	Pyrolysis of Biomass: The Effect of Lipids During Protein Pyrolysis by Thermogravimetry Fourier Transform Infrared Spectrometry. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0