

Xiaohan Ren

List of Publications by Year in descending order

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36
papers

892
citations

516561

16
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477173

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docs citations

36
times ranked

705
citing authors

#	ARTICLE	IF	CITATIONS
1	Carbon, sulfur and nitrogen oxide emissions from combustion of pulverized raw and torrefied biomass. <i>Fuel</i> , 2017, 188, 310-323.	3.4	163
2	Emissions of SO ₂ , NO _x , CO ₂ , and HCl from Co-firing of coals with raw and torrefied biomass fuels. <i>Fuel</i> , 2018, 211, 363-374.	3.4	155
3	Curtailing the generation of sulfur dioxide and nitrogen oxide emissions by blending and oxy-combustion of coals. <i>Fuel</i> , 2016, 181, 772-784.	3.4	55
4	Hydrogen chloride emissions from combustion of raw and torrefied biomass. <i>Fuel</i> , 2017, 200, 37-46.	3.4	54
5	Numerical and experimental studies on effects of moisture content on combustion characteristics of simulated municipal solid wastes in a fixed bed. <i>Waste Management</i> , 2015, 39, 166-178.	3.7	50
6	Recycling of Lithium Batteries—A Review. <i>Energies</i> , 2022, 15, 1611.	1.6	34
7	Influence of simulated MSW sizes on the combustion process in a fixed bed: CFD and experimental approaches. <i>Waste Management</i> , 2016, 49, 272-286.	3.7	33
8	Reduction of Sulfur Dioxide Emissions by Burning Coal Blends. <i>Journal of Energy Resources Technology, Transactions of the ASME</i> , 2016, 138, .	1.4	29
9	Torrefaction of corn straw in oxygen and carbon dioxide containing gases: Mass/energy yields and evolution of gaseous species. <i>Fuel</i> , 2021, 285, 119044.	3.4	24
10	Preparation of activated coke by carbonization, activation, ammonization and thermal treatment of sewage sludge and waste biomass for SO ₂ absorption applications. <i>Fuel Processing Technology</i> , 2022, 231, 107233.	3.7	24
11	Activated coke preparation by physical activation of coal and biomass co-carbonized chars. <i>Journal of Analytical and Applied Pyrolysis</i> , 2021, 156, 105137.	2.6	23
12	Effect of ash content on the combustion process of simulated MSW in the fixed bed. <i>Waste Management</i> , 2016, 48, 236-249.	3.7	21
13	Reduction of HCl Emissions from Combustion of Biomass by Alkali Carbonate Sorbents or by Thermal Pretreatment. <i>Journal of Energy Engineering - ASCE</i> , 2018, 144, 04018045.	1.0	21
14	Evolution of Chlorine-Bearing Gases During Corn Straw Torrefaction at Different Temperatures. <i>Energy & Fuels</i> , 2017, 31, 13713-13723.	2.5	20
15	Experimental investigation on the ignition and combustion characteristics of pyrolyzed char and bituminous coal blends. <i>Fuel</i> , 2020, 281, 118732.	3.4	20
16	Release of Sulfur and Nitrogen during Co-pyrolysis of Coal and Biomass under Inert Atmosphere. <i>ACS Omega</i> , 2020, 5, 30001-30010.	1.6	20
17	Nitrogen-Bearing Emissions From Burning Corn Straw in a Fixed-Bed Reactor: Effects of Fuel Moisture, Torrefaction, and Air Flowrate. <i>Journal of Energy Resources Technology, Transactions of the ASME</i> , 2019, 141, .	1.4	19
18	Numerical simulation of gas concentration and dioxin formation for MSW combustion in a fixed bed. <i>Journal of Environmental Management</i> , 2015, 157, 111-117.	3.8	15

#	ARTICLE	IF	CITATIONS
19	Assessment of low-rank coal and biomass co-pyrolysis system coupled with gasification. International Journal of Energy Research, 2020, 44, 2652-2664.	2.2	15
20	Experimental Study on Ignition and Combustion Characteristics of Pyrolyzed Char in an O ₂ -Enriched Atmosphere with Multiple Optical Diagnostic Techniques. Energy & Fuels, 2019, 33, 5682-5694.	2.5	13
21	Sulfur and Nitrogen Release From Co-Pyrolysis of Coal and Biomass Under Oxidative and Non-Oxidative Conditions. Journal of Energy Resources Technology, Transactions of the ASME, 2021, 143, .	1.4	12
22	Use of Alkali Carbonate Sorbents for Capturing Chlorine-Bearing Gases from Corn Straw Torrefaction. Energy & Fuels, 2018, 32, 11843-11851.	2.5	10
23	Investigation of mineral-element migration upon pyrolysis and quantitative prediction of volatiles in coal using laser-induced breakdown spectroscopy. Journal of Analytical Atomic Spectrometry, 2021, 36, 1399-1409.	1.6	8
24	Effects of Activation Conditions on the Properties of Sludge-Based Activated Coke. ACS Omega, 2021, 6, 22020-22032.	1.6	6
25	A Numerical and Experimental Study on the Effects of CO ₂ on Laminar Diffusion Methane/Air Flames. Journal of Energy Resources Technology, Transactions of the ASME, 2020, 142, .	1.4	6
26	Assessment of Chopped Corn Straw Lengths for Combustion in a Fixed Bed Using a Numerical Model. Energy & Fuels, 2018, 32, 5187-5198.	2.5	5
27	Effects of preheating primary air and fuel size on the combustion characteristics of blended pinewood and corn straw in a fixed bed. Energy, 2020, 210, 118481.	4.5	5
28	Effects of oxygen concentration on the thermal and chemical structures of laminar coflow CO/H ₂ diffusion flames burning in O ₂ /H ₂ O atmosphere. Fuel, 2020, 270, 117474.	3.4	5
29	Effects of Carbonization on the Co-Activation of Sludge and Biomass to Produce Activated Coke. Journal of Energy Resources Technology, Transactions of the ASME, 2021, 143, .	1.4	5
30	Simulation Study on the Effect of Flue Gas on Flow Field and Rotor Stress in Gas Turbines. Energies, 2021, 14, 6135.	1.6	5
31	Chlorine Release from Co-Pyrolysis of Corn Straw and Lignite in Nitrogen and Oxidative Pyrolysis. Energies, 2021, 14, 8227.	1.6	4
32	Rapid Quantitation of Coal Proximate Analysis by Using Laser-Induced Breakdown Spectroscopy. Energies, 2022, 15, 2728.	1.6	4
33	Preparation of Activated Coke by One-Step Activation Method, Ammonization, and K ₂ CO ₃ Modification of Coal and Biomass. Journal of Energy Resources Technology, Transactions of the ASME, 2022, 144, .	1.4	3
34	Typical Damage Prediction and Reliability Analysis of Superheater Tubes in Power Station Boilers Based on Multisource Data Analysis. Energies, 2022, 15, 1005.	1.6	3
35	Biomass and Coal Modification to Prepare Activated Coke for Desulfurization and Denitrification. Energies, 2022, 15, 2904.	1.6	2
36	System Performance Analyses of Supercritical CO ₂ Brayton Cycle for Sodium-Cooled Fast Reactor. Energies, 2022, 15, 3555.	1.6	1