

Xiaohan Ren

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8604631/publications.pdf>

Version: 2024-02-01

36
papers

892
citations

516710

16
h-index

477307

29
g-index

36
all docs

36
docs citations

36
times ranked

705
citing authors

#	ARTICLE	IF	CITATIONS
1	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, .	2.3	3
2	Typical Damage Prediction and Reliability Analysis of Superheater Tubes in Power Station Boilers Based on Multisource Data Analysis. Energies, 2022, 15, 1005.	3.1	3
3	Recycling of Lithium Batteries—A Review. Energies, 2022, 15, 1611.	3.1	34
4	Rapid Quantitation of Coal Proximate Analysis by Using Laser-Induced Breakdown Spectroscopy. Energies, 2022, 15, 2728.	3.1	4
5	Preparation of activated coke by carbonization, activation, ammonization and thermal treatment of sewage sludge and waste biomass for SO ₂ absorption applications. Fuel Processing Technology, 2022, 231, 107233.	7.2	24
6	Biomass and Coal Modification to Prepare Activated Coke for Desulfurization and Denitrification. Energies, 2022, 15, 2904.	3.1	2
7	System Performance Analyses of Supercritical CO ₂ Brayton Cycle for Sodium-Cooled Fast Reactor. Energies, 2022, 15, 3555.	3.1	1
8	Torrefaction of corn straw in oxygen and carbon dioxide containing gases: Mass/energy yields and evolution of gaseous species. Fuel, 2021, 285, 119044.	6.4	24
9	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, .	2.3	5
10	Activated coke preparation by physical activation of coal and biomass co-carbonized chars. Journal of Analytical and Applied Pyrolysis, 2021, 156, 105137.	5.5	23
11	Effects of Activation Conditions on the Properties of Sludge-Based Activated Coke. ACS Omega, 2021, 6, 22020-22032.	3.5	6
12	Simulation Study on the Effect of Flue Gas on Flow Field and Rotor Stress in Gas Turbines. Energies, 2021, 14, 6135.	3.1	5
13	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.	3.0	8
14	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, .	2.3	12
15	Chlorine Release from Co-Pyrolysis of Corn Straw and Lignite in Nitrogen and Oxidative Pyrolysis. Energies, 2021, 14, 8227.	3.1	4
16	Assessment of low-rank coal and biomass co-pyrolysis system coupled with gasification. International Journal of Energy Research, 2020, 44, 2652-2664.	4.5	15
17	Experimental investigation on the ignition and combustion characteristics of pyrolyzed char and bituminous coal blends. Fuel, 2020, 281, 118732.	6.4	20
18	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.	8.8	5

#	ARTICLE	IF	CITATIONS
19	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.	6.4	5
20	Release of Sulfur and Nitrogen during Co-pyrolysis of Coal and Biomass under Inert Atmosphere. ACS Omega, 2020, 5, 30001-30010.	3.5	20
21	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, .	2.3	6
22	Nitrogen-Bearing Emissions From Burning Corn Straw in a Fixed-Bed Reactor: Effects of Fuel Moisture, Torrefaction, and Air Flowrate. Journal of Energy Resources Technology, Transactions of the ASME, 2019, 141, .	2.3	19
23	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.	5.1	13
24	Assessment of Chopped Corn Straw Lengths for Combustion in a Fixed Bed Using a Numerical Model. Energy & Fuels, 2018, 32, 5187-5198.	5.1	5
25	Emissions of SO ₂ , NO _x , CO ₂ , and HCl from Co-firing of coals with raw and torrefied biomass fuels. Fuel, 2018, 211, 363-374.	6.4	155
26	Reduction of HCl Emissions from Combustion of Biomass by Alkali Carbonate Sorbents or by Thermal Pretreatment. Journal of Energy Engineering - ASCE, 2018, 144, 04018045.	1.9	21
27	Use of Alkali Carbonate Sorbents for Capturing Chlorine-Bearing Gases from Corn Straw Torrefaction. Energy & Fuels, 2018, 32, 11843-11851.	5.1	10
28	Hydrogen chloride emissions from combustion of raw and torrefied biomass. Fuel, 2017, 200, 37-46.	6.4	54
29	Evolution of Chlorine-Bearing Gases During Corn Straw Torrefaction at Different Temperatures. Energy & Fuels, 2017, 31, 13713-13723.	5.1	20
30	Carbon, sulfur and nitrogen oxide emissions from combustion of pulverized raw and torrefied biomass. Fuel, 2017, 188, 310-323.	6.4	163
31	Reduction of Sulfur Dioxide Emissions by Burning Coal Blends. Journal of Energy Resources Technology, Transactions of the ASME, 2016, 138, .	2.3	29
32	Curtailing the generation of sulfur dioxide and nitrogen oxide emissions by blending and oxy-combustion of coals. Fuel, 2016, 181, 772-784.	6.4	55
33	Influence of simulated MSW sizes on the combustion process in a fixed bed: CFD and experimental approaches. Waste Management, 2016, 49, 272-286.	7.4	33
34	Effect of ash content on the combustion process of simulated MSW in the fixed bed. Waste Management, 2016, 48, 236-249.	7.4	21
35	Numerical simulation of gas concentration and dioxin formation for MSW combustion in a fixed bed. Journal of Environmental Management, 2015, 157, 111-117.	7.8	15
36	Numerical and experimental studies on effects of moisture content on combustion characteristics of simulated municipal solid wastes in a fixed bed. Waste Management, 2015, 39, 166-178.	7.4	50