

Ming-Xin Xu

List of Publications by Year in descending order

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23
papers

554
citations

623188

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433
citing authors

#	ARTICLE	IF	CITATIONS
1	Influence of operating parameters on N ₂ O emission in O ₂ /CO ₂ combustion with high oxygen concentration in circulating fluidized bed. <i>Applied Energy</i> , 2016, 173, 197-209.	5.1	58
2	Coal combustion emission and ash formation characteristics at high oxygen concentration in a 1 MWth pilot-scale oxy-fuel circulating fluidized bed. <i>Applied Energy</i> , 2017, 197, 203-211.	5.1	48
3	Deactivation Mechanism of the Commercial V ₂ O ₅ –MoO ₃ /TiO ₂ Selective Catalytic Reduction Catalyst by Arsenic Poisoning in Coal-Fired Power Plants. <i>Energy & Fuels</i> , 2020, 34, 4865-4873.	2.5	48
4	Effects of CO ₂ on the fuel nitrogen conversion during coal rapid pyrolysis. <i>Fuel</i> , 2016, 184, 430-439.	3.4	47
5	Direct catalytic decomposition of N ₂ O over bismuth modified NiO catalysts. <i>Journal of Hazardous Materials</i> , 2021, 401, 123334.	6.5	38
6	Effects of gaseous agents on the evolution of char physical and chemical structures during biomass gasification. <i>Bioresource Technology</i> , 2019, 292, 121994.	4.8	37
7	Reduction of recycled NO over char during oxy-fuel fluidized bed combustion: Effects of operating parameters. <i>Applied Energy</i> , 2017, 199, 310-322.	5.1	36
8	The characteristics of recycled NO reduction over char during oxy-fuel fluidized bed combustion. <i>Applied Energy</i> , 2017, 190, 553-562.	5.1	31
9	The experimental study on nitrogen oxides and SO ₂ emission for oxy-fuel circulation fluidized bed combustion with high oxygen concentration. <i>Fuel</i> , 2015, 146, 81-87.	3.4	28
10	Formation mechanism of NO precursors during the pyrolysis of 2,5-diketopiperazine based on experimental and theoretical study. <i>Science of the Total Environment</i> , 2021, 801, 149663.	3.9	28
11	Green and Moderate Activation of Coal Fly Ash and Its Application in Selective Catalytic Reduction of NO with NH ₃ . <i>Environmental Science & Technology</i> , 2022, 56, 2582-2592.	4.6	21
12	Study on the limestone sulfation behavior under oxy-fuel circulating fluidized bed combustion condition. <i>Journal of the Energy Institute</i> , 2018, 91, 358-368.	2.7	20
13	Experimental Results for Oxy-fuel Combustion with High Oxygen Concentration in a 1MWth Pilot-scale Circulating Fluidized Bed. <i>Energy Procedia</i> , 2014, 63, 362-371.	1.8	19
14	Experimental research on the process of compression and purification of CO ₂ in oxy-fuel combustion. <i>Applied Energy</i> , 2020, 259, 114123.	5.1	17
15	Calcium sulfation characteristics at high oxygen concentration in a 1MWth pilot scale oxy-fuel circulating fluidized bed. <i>Fuel Processing Technology</i> , 2018, 171, 192-197.	3.7	14
16	Experimental study on N ₂ O emission in O ₂ /CO ₂ combustion with high oxygen concentration in circulating fluidized bed. <i>Journal of the Energy Institute</i> , 2019, 92, 128-135.	2.7	13
17	Catalytic oxidation of NH ₃ over circulating ash in the selective non-catalytic reduction process during circulating fluidized bed combustion. <i>Fuel</i> , 2020, 271, 117546.	3.4	12
18	First-principles insights into the adsorption and interaction mechanism of selenium on selective catalytic reduction catalyst. <i>Chemosphere</i> , 2021, 275, 130057.	4.2	10

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19	Experimental Study on Oxy-Fuel Combustion and NO Emission in a Spouted-Fluidized Bed with under Bed Feeding. <i>Journal of Thermal Science</i> , 2021, 30, 1132-1140.	0.9	9
20	Effect of alkali metal ions on the formation mechanism of HCN during pyridine pyrolysis. <i>International Journal of Coal Science and Technology</i> , 2021, 8, 349-359.	2.7	8
21	Catalytic Steam Reforming of Benzene as a Bio-tar Model Compound over Ni-Fe/TiO ₂ Catalysts. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 8930-8939.	3.2	8
22	Effects of sulfation on the ash fusibility and minerals evolution of corn straw during oxy-fuel combustion. <i>Fuel</i> , 2022, 309, 122140.	3.4	4
23	Experimental Investigation into NO Removal over Circulating Ash in Selective Noncatalytic Reduction during Circulating Fluidized Bed Combustion. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 9451-9458.	1.8	0