

Yan Zhao

List of Publications by Year in descending order

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Version: 2024-02-01

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papers

626
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759233

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all docs

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docs citations

24
times ranked

474
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of active alkali and alkaline earth metals on the reactivity of co-gasification char from coal and corn straws. <i>Journal of the Energy Institute</i> , 2022, 102, 42-53.	5.3	7
2	Study on Reactivity and Synergy Behavior of Cogasification between Biomass Char and Coal Char. <i>Energy & Fuels</i> , 2021, 35, 341-350.	5.1	9
3	Effect of active alkali and alkaline earth metals on physicochemical properties and gasification reactivity of co-pyrolysis char from coal blended with corn stalks. <i>Renewable Energy</i> , 2021, 171, 1213-1223.	8.9	25
4	Combined impacts of intrinsic alkali and alkaline earth metals and chemical structure on reactivity of low-rank coal char: New explanation for the role of water-soluble AAEMs during pyrolysis and gasification. <i>Fuel</i> , 2021, 305, 121405.	6.4	11
5	Physicochemical structure characteristics and intrinsic reactivity of demineralized coal char rapidly pyrolyzed at elevated pressure. <i>Journal of the Energy Institute</i> , 2020, 93, 1064-1073.	5.3	12
6	Influence of pyrolysis pressure on structure and combustion reactivity of Zhundong demineralized coal char. <i>Journal of the Energy Institute</i> , 2020, 93, 1798-1808.	5.3	20
7	Secondary air distribution in a 600 MWe multi-injection multi-staging down-fired boiler: A comprehensive study. <i>Journal of the Energy Institute</i> , 2020, 93, 1250-1260.	5.3	14
8	Impacts of intrinsic alkali and alkaline earth metals on chemical structure of low-rank coal char: Semi-quantitative results based on FT-IR structure parameters. <i>Fuel</i> , 2020, 278, 118229.	6.4	42
9	A Review on the Properties of Copyrolysis Char from Coal Blended with Biomass. <i>Energy & Fuels</i> , 2020, 34, 3996-4005.	5.1	13
10	Influence of different state alkali and alkaline earth metal on chemical structure of Zhundong coal char pyrolyzed at elevated pressures. <i>Fuel</i> , 2019, 254, 115691.	6.4	38
11	Physicochemical Properties and AAEM Retention of Copyrolysis Char from Coal Blended with Corn Stalks. <i>Energy & Fuels</i> , 2019, 33, 11082-11091.	5.1	8
12	Gasification reactivity of co-pyrolysis char from coal blended with corn stalks. <i>Bioresource Technology</i> , 2019, 279, 243-251.	9.6	41
13	Experimental and numerical simulation research on the inner secondary air ratio in a 600MW down-fired boiler. <i>International Journal of Energy Research</i> , 2019, 43, 1547-1562.	4.5	4
14	Pyrolysis Characteristics and Kinetics of Coal-Biomass Blends during Co-Pyrolysis. <i>Energy & Fuels</i> , 2019, 33, 1267-1278.	5.1	50
15	Investigation of the relationship between infrared structure and pyrolysis reactivity of coals with different ranks. <i>Fuel</i> , 2018, 216, 521-530.	6.4	76
16	Chemical structure and pyrolysis characteristics of demineralized Zhundong Coal. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2018, 40, 282-287.	2.3	14
17	Evaluation of chemical structure, pyrolysis reactivity and gaseous products of Shenmu coal of different particle sizes. <i>Journal of Analytical and Applied Pyrolysis</i> , 2018, 130, 294-304.	5.5	28
18	Thermogravimetric analysis and kinetics of the co-pyrolysis of coal blends with corn stalks. <i>Thermochimica Acta</i> , 2018, 659, 59-65.	2.7	60

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19	Selective enrichment of chemical structure during first grinding of Zhundong coal and its effect on pyrolysis reactivity. <i>Fuel</i> , 2017, 189, 46-56.	6.4	65
20	Impacts of chemical fractionation on Zhundong coal's chemical structure and pyrolysis reactivity. <i>Fuel Processing Technology</i> , 2017, 155, 144-152.	7.2	77
21	Inactivation and Removal of Crustaceans in Biologically Activated Carbon Filters with CO ₂ . <i>Journal of Environmental Engineering, ASCE</i> , 2014, 140, .	1.4	0
22	Mass transfer and reaction process of the wet desulfurization reactor with falling film by cross-flow scrubbing. <i>Korean Journal of Chemical Engineering</i> , 2007, 24, 481-488.	2.7	6
23	Study on Micromachine Tools in Fabrication of Microparts. , 2006, , .		6
24	Progress on the Co-Pyrolysis of Coal and Biomass. , 0, , .		0