Yan Zhao

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/4313155/publications.pdf

Version: 2024-02-01

24 papers	626 citations	759233 12 h-index	713466 21 g-index
24 all docs	24 docs citations	24 times ranked	474 citing authors

#	Article	IF	Citations
1	Impacts of chemical fractionation on Zhundong coal's chemical structure and pyrolysis reactivity. Fuel Processing Technology, 2017, 155, 144-152.	7.2	77
2	Investigation of the relationship between infrared structure and pyrolysis reactivity of coals with different ranks. Fuel, 2018, 216, 521-530.	6.4	76
3	Selective enrichment of chemical structure during first grinding of Zhundong coal and its effect on pyrolysis reactivity. Fuel, 2017, 189, 46-56.	6.4	65
4	Thermogravimetric analysis and kinetics of the co-pyrolysis of coal blends with corn stalks. Thermochimica Acta, 2018, 659, 59-65.	2.7	60
5	Pyrolysis Characteristics and Kinetics of Coalâ€“Biomass Blends during Co-Pyrolysis. Energy & Fuels, 2019, 33, 1267-1278.	5.1	50
6	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. Fuel, 2020, 278, 118229.	6.4	42
7	Gasification reactivity of co-pyrolysis char from coal blended with corn stalks. Bioresource Technology, 2019, 279, 243-251.	9.6	41
8	Influence of different state alkali and alkaline earth metal on chemical structure of Zhundong coal char pyrolyzed at elevated pressures. Fuel, 2019, 254, 115691.	6.4	38
9	Evaluation of chemical structure, pyrolysis reactivity and gaseous products of Shenmu coal of different particle sizes. Journal of Analytical and Applied Pyrolysis, 2018, 130, 294-304.	5.5	28
10	Effect of active alkali and alkaline earth metals on physicochemical properties and gasification reactivity of co-pyrolysis char from coal blended with corn stalks. Renewable Energy, 2021, 171, 1213-1223.	8.9	25
11	Influence of pyrolysis pressure on structure and combustion reactivity of Zhundong demineralized coal char. Journal of the Energy Institute, 2020, 93, 1798-1808.	5.3	20
12	Chemical structure and pyrolysis characteristics of demineralized Zhundong Coal. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2018, 40, 282-287.	2.3	14
13	Secondary air distribution in a 600 MWe multi-injection multi-staging down-fired boiler: A comprehensive study. Journal of the Energy Institute, 2020, 93, 1250-1260.	5.3	14
14	A Review on the Properties of Copyrolysis Char from Coal Blended with Biomass. Energy & Fuels, 2020, 34, 3996-4005.	5.1	13
15	Physicochemical structure characteristics and intrinsic reactivity of demineralized coal char rapidly pyrolyzed at elevated pressure. Journal of the Energy Institute, 2020, 93, 1064-1073.	5.3	12
16	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. Fuel, 2021, 305, 121405.	6.4	11
17	Study on Reactivity and Synergy Behavior of Cogasification between Biomass Char and Coal Char. Energy & Fuels, 2021, 35, 341-350.	5.1	9
18	Physicochemical Properties and AAEM Retention of Copyrolysis Char from Coal Blended with Corn Stalks. Energy & Fuels, 2019, 33, 11082-11091.	5.1	8

#	ARTICLE	IF	CITATIONS
19	Effect of active alkali and alkaline earth metals on the reactivity of co-gasification char from coal and corn straws. Journal of the Energy Institute, 2022, 102, 42-53.	5.3	7
20	Study on Micromachine Tools in Fabrication of Microparts. , 2006, , .		6
21	Mass transfer and reaction process of the wet desulfurization reactor with falling film by cross-flow scrubbing. Korean Journal of Chemical Engineering, 2007, 24, 481-488.	2.7	6
22	Experimentalâ€•and numericalâ€simulation research on the innerâ€“secondaryâ€•air ratio in a 600â€MW _e downâ€fired boiler. International Journal of Energy Research, 2019, 43, 1547-1562.	4.5	4
23	Inactivation and Removal of Crustaceans in Biologically Activated Carbon Filters with CO2. Journal of Environmental Engineering, ASCE, 2014, 140, .	1.4	0
24	Progress on the Co-Pyrolysis of Coal and Biomass. , 0, , .		0