Keji Wan

List of Publications by Year
in descending order

32	510	759233 12	677142 22
papers	citations	h-index	g-index

32	32	32	355
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	TGâ€"GCâ€"MS study of volatile products from Shengli lignite pyrolysis. Fuel, 2015, 156, 121-128.	6.4	99
2	Adsorption of heavy metals in water by modifying Fe3O4 nanoparticles with oxidized humic acid. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 616, 126333.	4.7	63
3	Water desorption isotherms and net isosteric heat of desorption on lignite. Fuel, 2016, 171, 101-107.	6.4	43
4	Pore structure evolution and fractal characteristics of Zhaotong lignite during drying. Fuel, 2020, 267, 117309.	6.4	29
5	Hot-air drying behavior and fragmentation characteristic of single lignite particle. Fuel, 2019, 247, 209-216.	6.4	26
6	Calcium-Modified Fe₃O₄ Nanoparticles Encapsulated in Humic Acid for the Efficient Removal of Heavy Metals from Wastewater. Langmuir, 2021, 37, 10994-11007.	3.5	22
7	Modification of Zhaotong Lignite by Steam Explosion Treatment: Pore Structure and Oxygen-Containing Functional Groups. Energy & Fuels, 2019, 33, 4033-4040.	5.1	18
8	Preparation of Humic Acid/<scp>l</scp>-Cysteine-Codecorated Magnetic Fe₃O₄ Nanoparticles for Selective and Highly Efficient Adsorption of Mercury. ACS Omega, 2021, 6, 7941-7950.	3.5	17
9	Drying Kinetics of Soft and Hard Lignite and the Surface Characteristics of Products. Energy & Fuels, 2017, 31, 2439-2447.	5.1	16
10	Thermal fragmentation and pulverization properties of lignite in drying process and its mechanism. Drying Technology, 2018, 36, 1404-1412.	3.1	16
11	Adsorption of anionic azo dyes using lignite coke by one-step short-time pyrolysis. Fuel, 2020, 267, 117140.	6.4	14
12	Preparation of high-capacity macroporous adsorbent using lignite-derived humic acid and its multifunctional binding chemistry for heavy metals in wastewater. Journal of Cleaner Production, 2022, 363, 132498.	9.3	14
13	Changes in Physicochemical Properties and the Release of Inorganic Species during Hydrothermal Dewatering of Lignite. Industrial & Engineering Chemistry Research, 2019, 58, 13294-13302.	3.7	13
14	A comparison of acid treatment in the dewatering of Chinese and Australian lignites by mechanical thermal expression at high temperatures. Fuel Processing Technology, 2016, 144, 282-289.	7.2	11
15	Analysis of Water Forms in Lignite and Pore Size Distribution Measurement Utilizing Bound Water as a Molecular Probe. Energy & Fuels, 2017, 31, 11884-11891.	5.1	10
16	The relevance between water release behavior and pore evolution of hard lignite during the thermal-drying process. Journal of the Energy Institute, 2019, 92, 1689-1696.	5.3	10
17	Hot-air drying shrinkage process of lignite and its cracking mechanism. Fuel, 2022, 316, 123187.	6.4	10
18	Experimental Investigation of the Effects of Temperature, Moisture, and Physical Structure Variations on the Thermal Properties of Lignite. Energy & Fuels, 2017, 31, 7052-7059.	5.1	9

#	Article	IF	Citations
19	Modeling and analysis of lignite particle drying based on the volume averaging method. Drying Technology, 2022, 40, 77-88.	3.1	9
20	Adsorption of direct yellow brown D3G from aqueous solution using loaded modified low-cost lignite: Performance and mechanism. Environmental Technology (United Kingdom), 2021, 42, 1642-1651.	2.2	9
21	A comparison of desorption process of Chinese and Australian lignites by dynamic vapour sorption. Separation Science and Technology, 2016, 51, 1307-1316.	2.5	8
22	Effect of moisture distribution in pore structure on fragmentation characteristics of lignite. Drying Technology, 2018, 36, 1949-1957.	3.1	7
23	Experimental study of thermal fragmentation of lignite in drying process. Drying Technology, 2019, 37, 1731-1742.	3.1	7
24	Water Clusters in Lignite and Desorption Energy Calculation by Density Functional Theory. ACS Omega, 2019, 4, 14219-14225.	3.5	6
25	Characteristics of Moisture Transfer and Surface Crack Development of a Single Lignite Particle Driven by Humidity Difference. ACS Omega, 2021, 6, 18702-18710.	3.5	6
26	The fractionation of fulvic acid and the optimal fraction as explanatory factors for binding characteristics of lead in aqueous solution. Separation and Purification Technology, 2021, 275, 119061.	7.9	6
27	Oxidation of Congo red by Fenton coupled with micro and nanobubbles. Environmental Technology (United Kingdom), 2023, 44, 2539-2548.	2.2	4
28	Moisture removal behaviour of single hard lignite particle during drying and quantitative characterization for its surface damage. Canadian Journal of Chemical Engineering, 2022, 100, 2861-2871.	1.7	3
29	Multiphysics modeling of water transport in high-intensity lignite drying process on poreÂscale. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2018, 40, 2580-2589.	2.3	2
30	Exploring a new way to generate mesopores in lignite by employing steam explosion. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2021, 43, 600-610.	2.3	1
31	Surface properties of oxidized lignite and its application in congo red dye adsorption. International Journal of Coal Preparation and Utilization, 2022, 42, 3516-3530.	2.1	1
32	Remediation of the soil contaminated by heavy metals with nano-hydroxy iron phosphate coated with fulvic acid. Environmental Technology (United Kingdom), 2023, 44, 4123-4135.	2.2	1