Lanyun Wang

List of Publications by Year
in descending order

16 papers	358 citations	1040056 9 h-index	940533 16 g-index
16 all docs	16 docs citations	16 times ranked	393 citing authors

#	Article	IF	Citations
1	Enhanced N-doped Porous Carbon Derived from KOH-Activated Waste Wool: A Promising Material for Selective Adsorption of CO2/CH4 and CH4/N2. Nanomaterials, 2019, 9, 266.	4.1	77
2	Thermogravimetric Dynamics and FTIR Analysis on Oxidation Properties of Low-Rank Coal at Low and Moderate Temperatures. International Journal of Coal Preparation and Utilization, 2015, 35, 39-50.	2.1	58
3	SO2 absorption in pure ionic liquids: Solubility and functionalization. Journal of Hazardous Materials, 2020, 392, 122504.	12.4	58
4	Desulfurization of coal using four ionic liquids with [HSO4]â^'. Fuel, 2019, 236, 1181-1190.	6.4	39
5	Review on the ionic liquids affecting the desulfurization of coal by chemical agents. Journal of Cleaner Production, 2021, 284, 124788.	9.3	32
6	Effect of the reignition characteristics on long-flame coal by oxidization and water immersion. Environmental Science and Pollution Research, 2021, 28, 57348-57360.	5.3	22
7	Experimental Study on Organic Sulfur Removal in Bituminous Coal by a 1-Carboxymethyl-3-methyl Imidazolium Bisulfate Ionic Liquid and Hydrogen Peroxide Solution. ACS Omega, 2020, 5, 21127-21136.	3.5	11
8	Effort of ionic liquids with [HSO 4] â€•on oxidative desulphurization of coal. Canadian Journal of Chemical Engineering, 2019, 97, 1299-1306.	1.7	10
9	Thermal Properties and Key Groups Evolution of Low-Temperature Oxidation for Bituminous Coal under Lean-Oxygen Environment. ACS Omega, 2021, 6, 15115-15125.	3.5	10
10	CO₂ and CH₄ Sorption by Solid-State [P_{4Â4Â4Â4}][NTf₂] Ionic Liquid Based on Quartz Crystal Microbalance Experiments under Different Pressures. Energy & Fuels, 2017, 31, 4179-4185.	5.1	8
11	CO₂ and CH₄ Sorption by [N_{4Â4Â4Â4}][NTf₂] Ionic Liquid Using Quartz Crystal Microbalance Experiments under Different Pressures. Journal of Chemical & Engineering Data, 2017, 62, 1318-1325.	1.9	6
12	CO2 and CH4 sorption and selectivity by solid-state [P2 4 4 4][PF6], [P4 4 4 4][PF6] and [P6 4 4 4][PF6] ionic liquids under different pressures. Fuel, 2019, 253, 139-145.	6.4	6
13	Characteristics for Oxygen-Lean Combustion and Residual Thermodynamics in Coalfield-Fire Zones within Axial Pressure. ACS Omega, 2020, 5, 22502-22512.	3.5	6
14	CO2 and CH4 Sorption by Solid-State Ammonium and Imidazolium Ionic Liquids. Energy & Fuels, 2021, 35, 599-609.	5.1	6
15	Are Ionic Liquids Suitable for Suppressing Coal Spontaneous Combustion?. ACS Omega, 2021, 6, 6681-6690.	3.5	6
16	Experiment Investigation of SiO₂ Containing Amino Groups as a Kinetic Promoter for CO₂ Hydrates. ACS Omega, 2021, 6, 19748-19756.	3.5	3