Ke Liu

List of Publications by Year
in descending order

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21 papers	430 citations	687363 13 h-index	752698 20 g-index
21 all docs	21 docs citations	21 times ranked	327 citing authors

#	Article	IF	Citations
1	Recent advances in the beneficiation of ultrafine coal particles. Fuel Processing Technology, 2018, 178, 104-125.	7.2	59
2	Noble metal water gas shift catalysis: Kinetics study and reactor design. International Journal of Hydrogen Energy, 2005, 30, 1259-1264.	7.1	43
3	Kinetics of Zinc Oxide Sulfidation for Packed-Bed Desulfurizer Modeling. Energy & Fuels, 2007, 21, 1863-1871.	5.1	35
4	High-pressure carbon dioxide-hydrothermal enhance yield and methylene blue adsorption performance of banana pseudo-stem activated carbon. Bioresource Technology, 2022, 354, 127137.	9.6	33
5	Improvement on slurry ability and combustion dynamics of low quality coals with ultra-high ash content. Chemical Engineering Research and Design, 2020, 156, 391-401.	5.6	26
6	The performance and dispersing mechanism of anionic dispersants in slurries prepared by upgraded coal. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 606, 125450.	4.7	24
7	The role of bulk micro-nanobubbles in reagent desorption and potential implication in flotation separation of highly hydrophobized minerals. Ultrasonics Sonochemistry, 2020, 64, 104996.	8.2	24
8	Aggregates characterizations of the ultra-fine coal particles induced by nanobubbles. Fuel, 2021, 297, 120765.	6.4	23
9	LBM study of aggregation of monosized spherical particles in homogeneous isotropic turbulence. Chemical Engineering Science, 2019, 201, 201-211.	3.8	22
10	Influence of different dispersants on rheological behaviors of coal water slurry prepared from a low quality coal. RSC Advances, 2019, 9, 32911-32921.	3.6	22
11	The Enhancement on Rheology, Flowability, and Stability of Coal Water Slurry Prepared by Multipeak Gradation Technology. Energy & Fuels, 2021, 35, 2006-2015.	5.1	22
12	Improvement on combustible matter recovery in coal slime flotation with the addition of sodium silicate. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 603, 125220.	4.7	18
13	Assessing the performance of an industrial <scp>SBCR</scp> for <scp>F</scp>ischerâ€“<scp>T</scp>ropsch synthesis: Experimental and modeling. AICHE Journal, 2015, 61, 3838-3857.	3.6	17
14	Collecting behaviors of high internal phase (HIP) emulsion in flotation of ultrafine high-ash content coal slime. International Journal of Coal Preparation and Utilization, 2022, 42, 2635-2655.	2.1	11
15	Electrokinetic potential reduction of fine particles induced by gas nucleation. Ultrasonics Sonochemistry, 2020, 67, 105167.	8.2	10
16	Understanding the Role of Polyvinylpyrrolidone on Ultrafine Low-Rank Coal Flotation. ACS Omega, 2022, 7, 10196-10204.	3.5	10
17	Comparative study on distribution characteristics of anionic dispersants in coal water slurry. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2022, 648, 129176.	4.7	10
18	Understanding the adsorption behaviors of naphthalene sulfonate formaldehyde in coal water slurry. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 628, 127245.	4.7	7

#	Article	IF	Citations
19	Effect of Sulfur Poisoning in High Pressure Catalytic Partial Oxidation of Methane over Rhâ^'Ce/Al₂O₃ Catalyst. Industrial & Engineering Chemistry Research, 2011, 50, 4373-4380.	3.7	5
20	Using emulsified and pre-dispersed hydrocarbon oil in waste coal reprocessing: A case study. Fuel, 2021, 306, 121628.	6.4	5
21	Efficient Separation of Ultrafine Coal Assisted by Selective Adsorption of Polyvinylpyrrolidone. Minerals (Basel, Switzerland), 2022, 12, 725.	2.0	4