

Shuai Gao

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

341
citations

758635

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996533

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docs citations

16
times ranked

306
citing authors

#	ARTICLE	IF	CITATIONS
1	The preparation of activated carbon discs from tar pitch and coal powder for adsorption of CO ₂ , CH ₄ and N ₂ . <i>Microporous and Mesoporous Materials</i> , 2017, 238, 19-26.	2.2	45
2	Activated carbon derived from bio-waste hemp hurd and retted hemp hurd for CO ₂ adsorption. <i>Composites Communications</i> , 2017, 5, 27-30.	3.3	35
3	Preparation of nano-biochar from conventional biorefineries for high-value applications. <i>Renewable and Sustainable Energy Reviews</i> , 2022, 157, 112057.	8.2	35
4	Copper single-atom catalyst as a high-performance electrocatalyst for nitrate-ammonium conversion. <i>Journal of Hazardous Materials</i> , 2022, 434, 128892.	6.5	34
5	Cobalt Electrochemical Recovery from Lithium Cobalt Oxides in Deep Eutectic Choline Chloride+Urea Solvents. <i>ChemSusChem</i> , 2021, 14, 2972-2983.	3.6	33
6	Effect of sonication and hydrogen peroxide oxidation of carbon nanotube modifiers on the microstructure of pitch-derived activated carbon foam discs. <i>Carbon</i> , 2017, 124, 142-151.	5.4	24
7	Co-adsorption capabilities and mechanisms of bentonite enhanced sludge biochar for de-risking norfloxacin and Cu ²⁺ contaminated water. <i>Chemosphere</i> , 2022, 299, 134414.	4.2	23
8	Carbonaceous Materials Coated Carbon Fibre Reinforced Polymer Matrix Composites. <i>Polymers</i> , 2021, 13, 2771.	2.0	22
9	Unveiling the effects of dimensionality of tin oxide-derived catalysts on CO ₂ reduction by using gas-diffusion electrodes. <i>Reaction Chemistry and Engineering</i> , 2021, 6, 345-352.	1.9	20
10	Effect of rheological properties of mesophase pitch and coal mixtures on pore development in activated carbon discs with high compressive strength. <i>Fuel Processing Technology</i> , 2018, 177, 219-227.	3.7	19
11	Carbon Monoliths by Assembling Carbon Spheres for Gas Adsorption. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 4957-4969.	1.8	14
12	Influence of porosity on the reactivity of inertinite and vitrinite toward sodium hypochlorite: Implications for enhancing coal seam gas development. <i>International Journal of Coal Geology</i> , 2021, 237, 103709.	1.9	12
13	Binder-free mechanochemical metal-organic framework nanocrystal coatings. <i>Nanoscale</i> , 2022, 14, 2221-2229.	2.8	11
14	Methane internal steam reforming in solid oxide fuel cells at intermediate temperatures. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 13969-13979.	3.8	11
15	Reversible Torsional Actuation of Hydrogel Filled Multifilament Fibre Actuator. <i>Actuators</i> , 2021, 10, 244.	1.2	3