Xiaobin Zhou

List of Publications by Year
in descending order

13	599	840776 11	1125743 13
papers	citations	h-index	g-index

13	13	13	423
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Controllable synthesis various morphologies of 3D hierarchical MnOx-TiO2 nanocatalysts for photothermocatalysis toluene and NO with free-ammonia. Journal of Colloid and Interface Science, 2022, 608, 3004-3012.	9.4	13
2	Energy-efficient carbon dioxide capture using a novel low-viscous secondary amine-based nonaqueous biphasic solvent: Performance, mechanism, and thermodynamics. Energy, 2022, 255, 124570.	8.8	24
3	Multi-templates surface molecularly imprinted polymer for simultaneous and rapid determination of sulfonamides and quinolones in water: effect of carbon-carbon double bond. Environmental Science and Pollution Research, 2021, 28, 54950-54959.	5.3	5
4	Novel Nonaqueous Liquidâ€“Liquid Biphasic Solvent for Energy-Efficient Carbon Dioxide Capture with Low Corrosivity. Environmental Science & Technology, 2020, 54, 16138-16146.	10.0	59
5	Kinetics and Thermodynamics of CO₂ Absorption into a Novel DETA-AMP-PMDETA Biphasic Solvent. ACS Sustainable Chemistry and Engineering, 2019, 7, 13400-13410.	6.7	31
6	Understanding the corrosion behavior of carbon steel in amino-functionalized ionic liquids for CO2 capture assisted by weight loss and electrochemical techniques. International Journal of Greenhouse Gas Control, 2019, 83, 216-227.	4.6	41
7	Low-viscosity and efficient regeneration of carbon dioxide capture using a biphasic solvent regulated by 2-amino-2-methyl-1-propanol. Applied Energy, 2019, 235, 379-390.	10.1	69
8	Performance and Mechanisms of Triethylene Tetramine (TETA) and 2-Amino-2-methyl-1-propanol (AMP) in Aqueous and Nonaqueous Solutions for CO₂ Capture. ACS Sustainable Chemistry and Engineering, 2018, 6, 1352-1361.	6.7	70
9	Designing and Screening of Multi-Amino-Functionalized Ionic Liquid Solution for CO₂ Capture by Quantum Chemical Simulation. ACS Sustainable Chemistry and Engineering, 2018, 6, 1182-1191.	6.7	67
10	Mechanism and Kinetics of CO₂ Absorption into an Aqueous Solution of a Triamino-Functionalized Ionic Liquid. Energy & Fuels, 2017, 31, 1793-1802.	5.1	28
11	Evaluation of the novel biphasic solvents for CO 2 capture: Performance and mechanism. International Journal of Greenhouse Gas Control, 2017, 60, 120-128.	4.6	80
12	Evaluation of the Multi-amine Functionalized Ionic Liquid for Efficient Postcombustion CO₂ Capture. Energy & Fuels, 2016, 30, 7489-7495.	5.1	44
13	Highly efficient removal of chromium(VI) by Fe/Ni bimetallic nanoparticles in an ultrasound-assisted system. Chemosphere, 2016, 160, 332-341.	8.2	68