

Abdul-Rauf Ibrahim

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

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| # | ARTICLE | IF | CITATIONS |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 1 | Mesoporous poly(ionic liquid)s with dual active sites for highly efficient CO ₂ conversion. <i>Green Energy and Environment</i> , 2023, 8, 478-486. | 8.7 | 14 |
| 2 | CO ₂ hydrogenation over mesoporous Ni-Pt/SiO ₂ nanorod catalysts: Determining CH ₄ /CO selectivity by surface ratio of Ni/Pt. <i>Chemical Engineering Science</i> , 2022, 247, 117106. | 3.8 | 18 |
| 3 | Fabrication of organic solvent nanofiltration membrane using commercial PVDF substrate via interfacial polymerization on top of metal-organic frameworks interlayer. <i>Journal of Membrane Science</i> , 2022, 652, 120465. | 8.2 | 25 |
| 4 | Fabrication of multi-layered Co ₃ O ₄ /ZnO nanocatalysts for spectroscopic visualization: Effect of spatial positions on CO ₂ hydrogenation performance. <i>Fuel</i> , 2022, 321, 124042. | 6.4 | 5 |
| 5 | Fabrication of Folic Acid-Decorated Hollow ZIF-8/Au/CuS Nanocomposites for Enhanced and Selective Anticancer Therapy. <i>ACS Biomaterials Science and Engineering</i> , 2020, 6, 6095-6107. | 5.2 | 25 |
| 6 | Functions of Ionic Liquids in Preparing Membranes for Liquid Separations: A Review. <i>Membranes</i> , 2020, 10, 395. | 3.0 | 21 |
| 7 | Ultra-fast route to synthesizing biogenic carbonate hydroxyapatite: Consequence of a high-pressure solid-solid preparation technique. <i>Chemical Engineering and Processing: Process Intensification</i> , 2019, 142, 107549. | 3.6 | 1 |
| 8 | Tetra- n -heptyl ammonium tetrafluoroborate: Synthesis, phase equilibrium with CO ₂ and pressure swing absorption for carbon capture. <i>Journal of Supercritical Fluids</i> , 2017, 120, 304-309. | 3.2 | 6 |
| 9 | Preparation of large pore volume γ -alumina and its performance as catalyst support in phenol hydroxylation. <i>Microporous and Mesoporous Materials</i> , 2016, 231, 1-8. | 4.4 | 46 |
| 10 | Synthesis of Spongy-Like Mesoporous Hydroxyapatite from Raw Waste Eggshells for Enhanced Dissolution of Ibuprofen Loaded via Supercritical CO ₂ . <i>International Journal of Molecular Sciences</i> , 2015, 16, 7960-7975. | 4.1 | 43 |
| 11 | Synthesis of rod-like hydroxyapatite with high surface area and pore volume from eggshells for effective adsorption of aqueous Pb(II). <i>Materials Research Bulletin</i> , 2015, 62, 132-141. | 5.2 | 37 |
| 12 | Rapid Carbonation for Calcite from a Solid-Liquid-Gas System with an Imidazolium-Based Ionic Liquid. <i>International Journal of Molecular Sciences</i> , 2014, 15, 11350-11363. | 4.1 | 12 |
| 13 | Instantaneous Solid-Liquid-Gas Carbonation of Ca(OH) ₂ and Chameleonic Phase Transformation in CO ₂ -Expanded Solution. <i>Crystal Growth and Design</i> , 2014, 14, 2733-2741. | 3.0 | 7 |
| 14 | Synthesis of mesoporous alumina with CO ₂ expanded carbonation and its catalytic oxidation of cyclohexanone. <i>Journal of Supercritical Fluids</i> , 2014, 92, 190-196. | 3.2 | 10 |
| 15 | A High-Pressure Quartz Spring Method for Measuring Solubility and Diffusivity of CO ₂ in Ionic Liquids. <i>Industrial & Engineering Chemistry Research</i> , 2013, 52, 3926-3932. | 3.7 | 23 |
| 16 | Conversion of waste eggshells to mesoporous hydroxyapatite nanoparticles with high surface area. <i>Materials Letters</i> , 2013, 110, 195-197. | 2.6 | 32 |
| 17 | Solid-Liquid-Gas Carbonation Coupled with Solid Ionic Liquids for the Synthesis of CaCO ₃ : Performance, Polymorphic Control, and Self-Catalytic Kinetics. <i>Industrial & Engineering Chemistry Research</i> , 2013, 52, 9515-9524. | 3.7 | 7 |
| 18 | Kinetics of liquid phase oxidation of benzyl alcohol with hydrogen peroxide over bio-reduced Au/TS-1 catalysts. <i>Journal of Molecular Catalysis A</i> , 2013, 366, 215-221. | 4.8 | 46 |

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|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 19 | Synthesis of Gold Nanoplates with Bioreducing Agent Using Syringe Pumps: A Kinetic Control. Industrial & Engineering Chemistry Research, 2012, 51, 15753-15762. | 3.7 | 37 |
| 20 | Bimetallic Au-Pd/MgO as efficient catalysts for aerobic oxidation of benzyl alcohol: A green bio-reducing preparation method. Applied Catalysis A: General, 2012, 439-440, 179-186. | 4.3 | 78 |
| 21 | High-pressure gas-solid carbonation route coupled with a solid ionic liquid for rapid synthesis of rhombohedral calcite. Journal of Supercritical Fluids, 2012, 72, 78-83. | 3.2 | 24 |
| 22 | Vapor-Phase Propylene Epoxidation with H ₂ /O ₂ over Bioreduction Au/TS-1 Catalysts: Synthesis, Characterization, and Optimization. Industrial & Engineering Chemistry Research, 2011, 50, 9019-9026. | 3.7 | 50 |
| 23 | Supercritical Fluid Drying: Classification and Applications. Recent Patents on Chemical Engineering, 2010, 3, 230-244. | 0.5 | 15 |