

Abdul-Rauf Ibrahim

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

586
citations

567281

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610901

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docs citations

24
times ranked

830
citing authors

#	ARTICLE	IF	CITATIONS
1	Bimetallic Au-Pd/MgO as efficient catalysts for aerobic oxidation of benzyl alcohol: A green bio-reducing preparation method. <i>Applied Catalysis A: General</i> , 2012, 439-440, 179-186.	4.3	78
2	Vapor-Phase Propylene Epoxidation with H ₂ /O ₂ over Bioreduction Au/TS-1 Catalysts: Synthesis, Characterization, and Optimization. <i>Industrial & Engineering Chemistry Research</i> , 2011, 50, 9019-9026.	3.7	50
3	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
4	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
5	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
6	Synthesis of Gold Nanoplates with Bioreducing Agent Using Syringe Pumps: A Kinetic Control. <i>Industrial & Engineering Chemistry Research</i> , 2012, 51, 15753-15762.	3.7	37
7	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
8	Conversion of waste eggshells to mesoporous hydroxyapatite nanoparticles with high surface area. <i>Materials Letters</i> , 2013, 110, 195-197.	2.6	32
9	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
10	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
11	High-pressure gas-solid carbonation route coupled with a solid ionic liquid for rapid synthesis of rhombohedral calcite. <i>Journal of Supercritical Fluids</i> , 2012, 72, 78-83.	3.2	24
12	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
13	Functions of Ionic Liquids in Preparing Membranes for Liquid Separations: A Review. <i>Membranes</i> , 2020, 10, 395.	3.0	21
14	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
15	Supercritical Fluid Drying: Classification and Applications. <i>Recent Patents on Chemical Engineering</i> , 2010, 3, 230-244.	0.5	15
16	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
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	Solidâ€“Gas Carbonation Coupled with Solid Ionic Liquids for the Synthesis of CaCO ₃ : Performance, Polymorphic Control, and Self-Catalytic Kinetics. Industrial & Engineering Chemistry Research, 2013, 52, 9515-9524.	3.7	7
20	Instantaneous Solidâ€“Liquidâ€“Gas Carbonation of Ca(OH) ₂ and Chameleonic Phase Transformation in CO ₂ -Expanded Solution. Crystal Growth and Design, 2014, 14, 2733-2741.	3.0	7
21	Tetra- n -heptyl ammonium tetrafluoroborate: Synthesis, phase equilibrium with CO ₂ and pressure swing absorption for carbon capture. Journal of Supercritical Fluids, 2017, 120, 304-309.	3.2	6
22	Fabrication of multi-layered Co ₃ O ₄ /ZnO nanocatalysts for spectroscopic visualization: Effect of spatial positions on CO ₂ hydrogenation performance. Fuel, 2022, 321, 124042.	6.4	5
23	Ultra-fast route to synthesizing biogenic carbonate hydroxyapatite: Consequence of a high-pressure solid-solid preparation technique. Chemical Engineering and Processing: Process Intensification, 2019, 142, 107549.	3.6	1