

# Xiaoyan Guo

## List of Publications by Year in descending order

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16  
papers

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citations

1684188

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58  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | CFD simulation of gas-liquid flow in a high-pressure bubble column with a modified population balance model. Chinese Journal of Chemical Engineering, 2018, 26, 1350-1358.                  | 3.5 | 16        |
| 2  | Controllable Preparation of Uniform Micron-Sized Barium Sulfate Spheres. Crystal Research and Technology, 2018, 53, 1700212.  | 1.3 | 10        |
| 3  | The catalytic characteristic and synthesis technique for 4-methyl-1-pentene over a potassium-supported superbases catalyst. Chemical Engineering Communications, 2019, 206, 346-354.        | 2.6 | 7         |
| 4  | Synthesis of Controllable Carboxylated Polystyrene Microspheres by Two-Step Dispersion Polymerization with Hydrocarbon Alcohols. International Journal of Polymer Science, 2018, 2018, 1-8. | 2.7 | 5         |
| 5  | Green synthesis of acetaldehyde oxime using ammonia oxidation in the TS-1/H <sub>2</sub> O <sub>2</sub> system. Reaction Kinetics, Mechanisms and Catalysis, 2018, 125, 1113-1125.          | 1.7 | 5         |
| 6  | Effects of the Microbubble Generation Mode on Hydrodynamic Parameters in Gas-Liquid Bubble Columns. Processes, 2020, 8, 663.  | 2.8 | 5         |
| 7  | Effect of the Cr <sub>2</sub> O <sub>3</sub> Promoter on Pt/WO <sub>3</sub> -ZrO <sub>2</sub> Catalysts for n-Heptane Isomerization. Catalysts, 2018, 8, 522.                               | 3.5 | 4         |
| 8  | The Formation and Application of Submicron Spherical BaTiO <sub>3</sub> Particles for the Diffusion Layer of Medical Dry Films. Crystals, 2019, 9, 594.                                     | 2.2 | 4         |
| 9  | Two-phase flow characteristics of gas-liquids in microchannels using electrical resistance tomography. Heat and Mass Transfer, 2022, 58, 99-114.  | 2.1 | 4         |
| 10 | An environmentally friendly acylation reaction of 2-methylnaphthalene in solvent-free condition in a micro-channel reactor. Green Processing and Synthesis, 2019, 8, 474-479.               | 3.4 | 2         |
| 11 | Preparation, Characteristics, and Application of Bifunctional TiO <sub>2</sub> Sheets. Materials, 2020, 13, 1615.   | 2.9 | 2         |
| 12 | Preparation, Characterisation, and Application of Bifunctional BaSO <sub>4</sub> Sheets. Materials, 2020, 13, 2903.   | 2.9 | 1         |
| 13 | Converting the E. coli Isochorismatase Nicotinamidase into <sup>13</sup> C-Lactamase. Microbiology Spectrum, 2022, 10, e0098521.  | 3.0 | 1         |
| 14 | Effect of Liquid Properties on Frictional Pressure Drop in a Gas-Liquid Two-Phase Microchannel. Processes, 2022, 10, 799.   | 2.8 | 1         |
| 15 | Simulation study on liquid percolation in diffusion layer of in-vitro diagnostic chips. Journal of Dispersion Science and Technology, 2021, 42, 1985-1999.                                  | 2.4 | 0         |
| 16 | Synthesis of tert-amylnbenzene for side-chain alkylation of cumene catalyzed by a solid superbases. Green Processing and Synthesis, 2021, 10, 874-881.                                      | 3.4 | 0         |