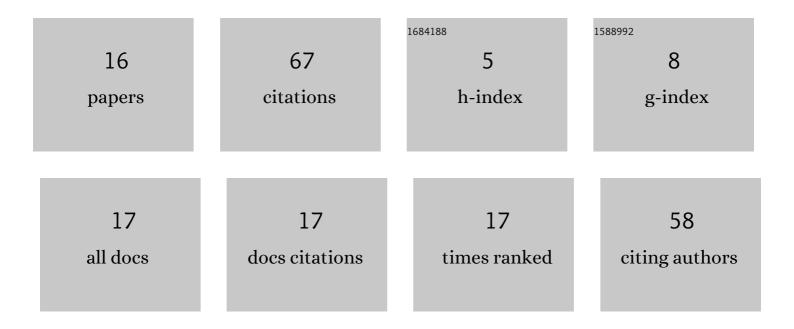
## Xiaoyan Guo

List of Publications by Year in descending order

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#	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 Micronâ€Sized Bariumâ€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 superbase 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/H2O2 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 Cr2O3 Promoter on Pt/WO3-ZrO2 Catalysts for n-Heptane Isomerization. Catalysts, 2018, 8, 522.	3.5	4
8	The Formation and Application of Submicron Spherical BaTiO3 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 TiO2 Sheets. Materials, 2020, 13, 1615.	2.9	2
12	Preparation, Characterisation, and Application of Bifunctional BaSO4 Sheets. Materials, 2020, 13, 2903.	2.9	1
13	Converting the E. coli Isochorismatase Nicotinamidase into Î <sup>3</sup> -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 <i>tert</i> -amylbenzene for side-chain alkylation of cumene catalyzed by a solid superbase. Green Processing and Synthesis, 2021, 10, 874-881.	3.4	0