

# Xiao Xu

## List of Publications by Year in descending order

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14  
papers

135  
citations

1163117

8  
h-index

1281871

11  
g-index

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all docs

14  
docs citations

14  
times ranked

129  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of the Mixed Oleophilic Fibrous Coalescer Geometry and the Operating Conditions on Oily Wastewater Separation. <i>Chemical Engineering and Technology</i> , 2016, 39, 255-262.	1.5	24
2	Dissolved gas separation using the pressure drop and centrifugal characteristics of an inner cone hydrocyclone. <i>Separation and Purification Technology</i> , 2016, 161, 121-128.	7.9	22
3	Impact of bubble coalescence on separation performance of a degassing hydrocyclone. <i>Separation and Purification Technology</i> , 2015, 152, 80-86.	7.9	16
4	Bubble separation dynamics in a planar cyclone: Experiments and CFD simulations. <i>AIChE Journal</i> , 2018, 64, 2689-2701.	3.6	15
5	Deformation and crawling of oil drop on solid substrates by shearing liquid. <i>Chemical Engineering Science</i> , 2019, 195, 720-729.	3.8	15
6	Interfacial Behavior and Internal Microflow of an Oil Droplet during the Process of the Oil Droplet Covering a Gas Bubble: Without and with NaCl. <i>Industrial &amp; Engineering Chemistry Research</i> , 2021, 60, 6006-6015.	3.7	13
7	Bubble size fractal dimension, gas holdup, and mass transfer in a bubble column with dual internals. <i>Chinese Journal of Chemical Engineering</i> , 2020, 28, 2968-2976.	3.5	11
8	Gas-liquid mass transfer and bubble size distribution in a multi-cyclone separator. <i>AIChE Journal</i> , 2019, 65, 221-229.	3.6	10
9	Droplet Evaporation on a Hydrophilic Mesh Considering Their Sunken Shapes in Holes. <i>Chemical Engineering and Technology</i> , 2020, 43, 143-149.	1.5	3
10	Bubbly flow in degassing cyclones and potential applications. <i>Reviews in Chemical Engineering</i> , 2021, 37, 813-825.	4.4	3
11	Computational Fluid Dynamics Simulation of the Impact of Structure on the Degassing Efficiency of a Cyclone. <i>Chemical Engineering and Technology</i> , 2016, 39, 522-528.	1.5	2
12	Circulating jet for enhancing the mass transfer in a gas-liquid stirred tank reactor. <i>AIChE Journal</i> , 0, , e17392.	3.6	1
13	Performance of a degassing cyclone with main and subsidiary chambers. <i>Chemical Engineering and Technology</i> , 0, , .	1.5	0
14	Hydrodynamics of an Airlift Column for Aeration in Molten Sulfur. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 117.	2.5	0