

Xiao Xu

List of Publications by Year in descending order

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14
papers

135
citations

1163117

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1281871

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14
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14
docs citations

14
times ranked

129
citing authors

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