Zhipeng Li

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/7875300/publications.pdf

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23	377	840728 11	794568 19
papers	citations	h-index	g-index

23	23	23	291
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	PIV experiments and large eddy simulations of single-loop flow fields in Rushton turbine stirred tanks. Chemical Engineering Science, 2011, 66, 1219-1231.	3.8	83
2	Particleâ€resolved PIV experiments of solidâ€liquid mixing in a turbulent stirred tank. AICHE Journal, 2018, 64, 389-402.	3.6	35
3	Transitional flow in a Rushton turbine stirred tank. AICHE Journal, 2017, 63, 3610-3623.	3.6	30
4	Particle image velocimetry experiments and direct numerical simulations of solids suspension in transitional stirred tank flow. Chemical Engineering Science, 2018, 191, 288-299.	3.8	29
5	Particle Image Velocimetry Experiments and Large Eddy Simulations of Merging Flow Characteristics in Dual Rushton Turbine Stirred Tanks. Industrial & Engineering Chemistry Research, 2012, 51, 2438-2450.	3.7	22
6	Micromixing efficiency in a T-shaped confined impinging jet reactor. Chinese Journal of Chemical Engineering, 2015, 23, 350-355.	3.5	22
7	Mixing process of two miscible fluids in a lid-driven cavity. Chemical Engineering Journal, 2019, 362, 229-242.	12.7	22
8	Mechanisms for drawdown of floating particles in a laminar stirred tank flow. Chemical Engineering Journal, 2018, 346, 340-350.	12.7	21
9	Stereoâ€PIV experiments and large eddy simulations of flow fields in stirred tanks with Rushton and curvedâ€Blade turbines. AICHE Journal, 2013, 59, 3986-4003.	3.6	20
10	Analysis of Turbulence Structure in the Stirred Tank with a Deep Hollow Blade Disc Turbine by Time-resolved PIV. Chinese Journal of Chemical Engineering, 2010, 18, 588-599.	3.5	17
11	Suspending a solid sphere in laminar inertial liquid flowâ€”experiments and simulations. AICHE Journal, 2015, 61, 1455-1469.	3.6	13
12	Deformation and breakup of single drop in laminar and transitional jet flows. Chemical Engineering Journal, 2020, 386, 121812.	12.7	10
13	Models and Applications for Simulating Turbulent Solid–Liquid Suspensions in Stirred Tanks. Journal of Chemical Engineering of Japan, 2015, 48, 329-336.	0.6	9
14	Large Eddy Simulation of Flow Fields in Vessels Stirred by Dual Rushton Impeller Agitators. Journal of Chemical Engineering of Japan, 2007, 40, 684-691.	0.6	8
15	Multi-particle suspension in a laminar flow agitated by a Rushton turbine. Chemical Engineering Research and Design, 2018, 132, 831-842.	5.6	7
16	Numerical study of drop behavior in a pore space. Chemical Engineering Science, 2021, 233, 116351.	3.8	7
17	Transformation of Lewis acid during the carbonization and graphitization of mesophase pitches. Journal of Analytical and Applied Pyrolysis, 2013, 104, 433-440.	5.5	6
18	Film formation and surface renewal on a rotating spoked disk for polymer devolatilization. Chemical Engineering Research and Design, 2021, 170, 45-53.	5.6	6

#	Article	IF	Citations
19	Refractive Index-Matched PIV Experiments and CFD Simulations of Mixing in a Complex Dynamic Geometry. Industrial & Engineering Chemistry Research, 2020, 59, 7982-7992.	3.7	5
20	Lifting off a solid sphere from a flat bottom by laminar fluid flow. AICHE Journal, 2020, 66, e16886.	3.6	2
21	Computational and experimental investigation of flow fields in a Rushton turbine stirred tank with shearâ€thinning fluid. Asia-Pacific Journal of Chemical Engineering, 2022, 17, .	1.5	2
22	Micromixing Efficiency in an Asymmetric Confined Impinging Jet Reactor. Journal of Chemical Engineering of Japan, 2013, 46, 683-688.	0.6	1
23	Transformation of single drop breakup from binary to ternary and multiple in turbulent jet flows. Chinese Journal of Chemical Engineering, 2021, 34, 32-39.	3.5	0