

Wang Chengxiu

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

322
citations

933447

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839539

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all docs

22
docs citations

22
times ranked

182
citing authors

#	ARTICLE	IF	CITATIONS
1	Axial and radial development of solids holdup in a high flux/density gas–solids circulating fluidized bed. <i>Chemical Engineering Science</i> , 2014, 108, 233-243.	3.8	67
2	Detailed measurements of particle velocity and solids flux in a high density circulating fluidized bed riser. <i>Chemical Engineering Science</i> , 2014, 114, 9-20.	3.8	37
3	A comparison of flow development in high density gas–solids circulating fluidized bed downer and riser reactors. <i>AIChE Journal</i> , 2015, 61, 1172-1183.	3.6	34
4	Performance evaluation of high density riser and downer: Experimental study using ozone decomposition. <i>Chemical Engineering Journal</i> , 2015, 262, 478-489.	12.7	25
5	Comparative kinetics of coal and oil shale pyrolysis in a micro fluidized bed reaction analyzer. <i>Carbon Resources Conversion</i> , 2019, 2, 217-224.	5.9	23
6	Catalytic Ozone Decomposition in a High Density Circulating Fluidized Bed Riser. <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 6613-6623.	3.7	20
7	3D CPFD simulations of gas-solids flow in a CFB downer with cluster-based drag model. <i>Powder Technology</i> , 2020, 361, 400-413.	4.2	20
8	CPFD Simulation of Hydrodynamics, Heat Transfer, and Reactions in a Downer Reactor for Coal Pyrolysis with Binary Particles. <i>Energy & Fuels</i> , 2019, 33, 12295-12307.	5.1	13
9	Hydrodynamics and reactor performance evaluation of a high flux gas–solids circulating fluidized bed downer: Experimental study. <i>AIChE Journal</i> , 2014, 60, 3412-3423.	3.6	12
10	Numerical Simulation of the Pilot-Scale High-Density Circulating Fluidized Bed Riser. <i>Industrial & Engineering Chemistry Research</i> , 2021, 60, 3184-3197.	3.7	10
11	Cluster Identification by a <i>k</i> -means Algorithm-Assisted Imaging Method in a Laboratory-Scale Circulating Fluidized Bed. <i>Industrial & Engineering Chemistry Research</i> , 2022, 61, 942-956.	3.7	10
12	Full-Loop Simulation of Gas–Solids Flow in a Pilot-Scale Circulating Fluidized Bed. <i>Chemical Engineering and Technology</i> , 2019, 42, 932-939.	1.5	8
13	Effects of Operating Parameters on Solids Flux in a High-Density/Flux Circulating Fluidized Bed Riser Reactor. <i>Energy & Fuels</i> , 2019, 33, 10343-10355.	5.1	7
14	Experimental Study of Solids Motion in an 18 m Gas–Solids Circulating Fluidized Bed with High Solids Flux. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 23468-23480.	3.7	7
15	Axial flow structure of solids holdup in an 18-m high-density CFB riser based on pressure measurements. <i>Particuology</i> , 2021, 54, 116-125.	3.6	7
16	Flow of High Solids Density Suspensions in an 18 m High Circulating Fluidized Bed. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 1336-1349.	3.7	5
17	Particle Velocity Distribution and Its Prediction in a 14 m Two-Dimensional Circulating Fluidized Bed Riser. <i>Industrial & Engineering Chemistry Research</i> , 2021, 60, 1901-1911.	3.7	5
18	Quantitative Measurement of Solids Holdup for Group A and B Particles Using Images and Its Application in Fluidized Bed Reactors. <i>Processes</i> , 2022, 10, 610.	2.8	4

#	ARTICLE	IF	CITATIONS
19	CPFD simulation of cluster effect on mass transfer and reaction in downer with FCC particles. Powder Technology, 2022, 405, 117572.	4.2	4
20	Quantitative Study of the Gas-Solids Flow and Its Heterogeneity/Nonuniformity in a 14 m Two-Dimensional CFB Riser Reactor. Industrial & Engineering Chemistry Research, 2020, 59, 437-449.	3.7	3
21	Flow characteristics in a pilot-scale circulating fluidized bed with high solids flux up to 1800 kg/m ² s. Powder Technology, 2022, 405, 117542.	4.2	1