Wang Chengxiu

List of Publications by Year
in descending order

21	322	933447 10	839539 18
papers	citations	h-index	g-index

22	22	22	182
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Cluster Identification by a k-means Algorithm-Assisted Imaging Method in a Laboratory-Scale Circulating Fluidized Bed. Industrial & Engineering Chemistry Research, 2022, 61, 942-956.	3.7	10
2	Quantitative Measurement of Solids Holdup for Group A and B Particles Using Images and Its Application in Fluidized Bed Reactors. Processes, 2022, 10, 610.	2.8	4
3	Flow characteristics in a pilot-scale circulating fluidized bed with high solids flux up to 1800Âkg/m2 s. Powder Technology, 2022, 405, 117542.	4.2	1
4	CPFD simulation of cluster effect on mass transfer and reaction in downer with FCC particles. Powder Technology, 2022, 405, 117572.	4.2	4
5	Axial flow structure of solids holdup in an 18-m high-density CFB riser based on pressure measurements. Particuology, 2021, 54, 116-125.	3.6	7
6	Particle Velocity Distribution and Its Prediction in a 14 m Two-Dimensional Circulating Fluidized Bed Riser. Industrial & Engineering Chemistry Research, 2021, 60, 1901-1911.	3.7	5
7	Numerical Simulation of the Pilot-Scale High-Density Circulating Fluidized Bed Riser. Industrial & Engineering Chemistry Research, 2021, 60, 3184-3197.	3.7	10
8	3D CPFD simulations of gas-solids flow in a CFB downer with cluster-based drag model. Powder Technology, 2020, 361, 400-413.	4.2	20
9	Flow of High Solids Density Suspensions in an 18 m High Circulating Fluidized Bed. Industrial & Engineering Chemistry Research, 2020, 59, 1336-1349.	3.7	5
10	Quantitative Study of the Gasâ€“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
11	Comparative kinetics of coal and oil shale pyrolysis in a micro fluidized bed reaction analyzer. Carbon Resources Conversion, 2019, 2, 217-224.	5.9	23
12	Effects of Operating Parameters on Solids Flux in a High-Density/-Flux Circulating Fluidized Bed Riser Reactor. Energy & Fuels, 2019, 33, 10343-10355.	5.1	7
13	Fullâ€Loop Simulation of Gasâ€Solids Flow in a Pilotâ€Scale Circulating Fluidized Bed. Chemical Engineering and Technology, 2019, 42, 932-939.	1.5	8
14	Experimental Study of Solids Motion in an 18 m Gasâ€“Solids Circulating Fluidized Bed with High Solids Flux. Industrial & Engineering Chemistry Research, 2019, 58, 23468-23480.	3.7	7
15	CPFD Simulation of Hydrodynamics, Heat Transfer, and Reactions in a Downer Reactor for Coal Pyrolysis with Binary Particles. Energy & Fuels, 2019, 33, 12295-12307.	5.1	13
16	A comparison of flow development in high density gasâ€solids circulating fluidized bed downer and riser reactors. AIChE Journal, 2015, 61, 1172-1183.	3.6	34
17	Performance evaluation of high density riser and downer: Experimental study using ozone decomposition. Chemical Engineering Journal, 2015, 262, 478-489.	12.7	25
18	Detailed measurements of particle velocity and solids flux in a high density circulating fluidized bed riser. Chemical Engineering Science, 2014, 114, 9-20.	3.8	37

#	Article	IF	Citations
19	Hydrodynamics and reactor performance evaluation of a high flux gasâ€solids circulating fluidized bed downer: Experimental study. AIChE Journal, 2014, 60, 3412-3423.	3.6	12
20	Catalytic Ozone Decomposition in a High Density Circulating Fluidized Bed Riser. Industrial & Engineering Chemistry Research, 2014, 53, 6613-6623.	3.7	20
21	Axial and radial development of solids holdup in a high flux/density gasâ€“solids circulating fluidized bed. Chemical Engineering Science, 2014, 108, 233-243.	3.8	67