

Shiliang Yang

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

480
citations

759233

12
h-index

677142

22
g-index

25
all docs

25
docs citations

25
times ranked

279
citing authors

#	ARTICLE	IF	CITATIONS
1	Particle-scale investigation of the solid dispersion and residence properties in a 3D spout-fluid bed. <i>AICHE Journal</i> , 2014, 60, 2788-2804.	3.6	65
2	Computational Fluid Dynamics-Discrete Element Method Investigation of Solid Mixing Characteristics in an Internally Circulating Fluidized Bed. <i>Industrial & Engineering Chemistry Research</i> , 2013, 52, 7556-7568.	3.7	57
3	Segregation dynamics of a binary-size mixture in a three-dimensional rotating drum. <i>Chemical Engineering Science</i> , 2017, 172, 652-666.	3.8	47
4	Particle Dispersion and Circulation Patterns in a 3D Spouted Bed with or without Draft Tube. <i>Industrial & Engineering Chemistry Research</i> , 2013, 52, 9620-9631.	3.7	44
5	DEM study of granular flow characteristics in the active and passive regions of a three-dimensional rotating drum. <i>AICHE Journal</i> , 2016, 62, 3874-3888.	3.6	31
6	Three-Dimensional Modeling of Gas-Solid Motion in a Slot-Rectangular Spouted Bed with the Parallel Framework of the Computational Fluid Dynamics-Discrete Element Method Coupling Approach. <i>Industrial & Engineering Chemistry Research</i> , 2013, 52, 13222-13231.	3.7	20
7	Consistent second-order boundary implementations for convection-diffusion lattice Boltzmann method. <i>Physical Review E</i> , 2018, 97, 023302.	2.1	19
8	DEM study on the discharge characteristics of lognormal particle size distributions from a conical hopper. <i>AICHE Journal</i> , 2018, 64, 1174-1190.	3.6	19
9	Three-dimensional axial dispersion dynamics of granular flow in the rolling-regime rotating drum. <i>Powder Technology</i> , 2018, 332, 131-138.	4.2	18
10	Simulation of the granular flow of cylindrical particles in the rotating drum. <i>AICHE Journal</i> , 2018, 64, 3835-3848.	3.6	17
11	Segregation behavior of binary mixtures of cylindrical particles with different length ratios in the rotating drum. <i>AICHE Journal</i> , 2020, 66, e16799.	3.6	15
12	DEM study of the size-induced segregation dynamics of a ternary-size granular mixture in the rolling-regime rotating drum. <i>Physics of Fluids</i> , 2017, 29, .	4.0	14
13	Consistent lattice Boltzmann methods for incompressible axisymmetric flows. <i>Physical Review E</i> , 2016, 94, 023302.	2.1	12
14	Numerical study on the axial segregation dynamics of a binary-size granular mixture in a three-dimensional rotating drum. <i>Physics of Fluids</i> , 2017, 29, .	4.0	12
15	CFD-DEM simulation of the spout-annulus interaction in a 3D spouted bed with a conical base. <i>Canadian Journal of Chemical Engineering</i> , 2014, 92, 1130-1138.	1.7	11
16	A numerical study of the segregation phenomenon of lognormal particle size distributions in the rotating drum. <i>Physics of Fluids</i> , 2018, 30, .	4.0	11
17	CFD-DEM investigation into the scaling up of spout-fluid beds via two interconnected chambers. <i>AICHE Journal</i> , 2016, 62, 1898-1916.	3.6	10
18	DEM Study on the effect of particle-size distribution on jamming in a 3D conical hopper. <i>AICHE Journal</i> , 2018, 65, 512.	3.6	9

#	ARTICLE	IF	CITATIONS
19	Size-induced axial band structure and directional flow of a ternary-size granular material in a 3-D horizontal rotating drum. <i>Physics of Fluids</i> , 2018, 30, 053302.	4.0	9
20	Coupled Computational Fluid Dynamics and Discrete Element Method Study of the Solid Dispersion Behavior in an Internally Circulating Fluidized Bed. <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 6759-6772.	3.7	8
21	Alternative extrapolation-based symmetry boundary implementations for the axisymmetric lattice Boltzmann method. <i>Physical Review E</i> , 2017, 95, 043312.	2.1	8
22	Computational study of spout collapse and impact of partition plate in a double slot-rectangular spouted bed. <i>AIChE Journal</i> , 2015, 61, 4087-4101.	3.6	7
23	Forcing scheme analysis for the axisymmetric lattice Boltzmann method under incompressible limit. <i>Physical Review E</i> , 2017, 95, 043311.	2.1	7
24	Improving the operational stability of the multi-chamber spout-fluid bed via the insertion of a submerged partition plate. <i>AIChE Journal</i> , 2017, 63, 485-500.	3.6	6
25	DEM Study of the Effect of Impeller Design on Mixing Performance in a Vertical Mixer. <i>Industrial & Engineering Chemistry Research</i> , 2022, 61, 8112-8127.	3.7	4