

# Shiliang Yang

## List of Publications by Year in descending order

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25  
papers

480  
citations

758635

12  
h-index

676716

22  
g-index

25  
all docs

25  
docs citations

25  
times ranked

279  
citing authors

#	ARTICLE	IF	CITATIONS
1	DEM Study of the Effect of Impeller Design on Mixing Performance in a Vertical Mixer. Industrial & Engineering Chemistry Research, 2022, 61, 8112-8127.	1.8	4
2	Segregation behavior of binary mixtures of cylindrical particles with different length ratios in the rotating drum. AICHE Journal, 2020, 66, e16799.	1.8	15
3	Consistent second-order boundary implementations for convection-diffusion lattice Boltzmann method. Physical Review E, 2018, 97, 023302.	0.8	19
4	A numerical study of the segregation phenomenon of lognormal particle size distributions in the rotating drum. Physics of Fluids, 2018, 30, .	1.6	11
5	Three-dimensional axial dispersion dynamics of granular flow in the rolling-regime rotating drum. Powder Technology, 2018, 332, 131-138.	2.1	18
6	DEM study on the discharge characteristics of lognormal particle size distributions from a conical hopper. AICHE Journal, 2018, 64, 1174-1190.	1.8	19
7	DEM Study on the effect of particle size distribution on jamming in a 3D conical hopper. AICHE Journal, 2018, 65, 512.	1.8	9
8	Size-induced axial band structure and directional flow of a ternary-size granular material in a 3-D horizontal rotating drum. Physics of Fluids, 2018, 30, 053302.	1.6	9
9	Simulation of the granular flow of cylindrical particles in the rotating drum. AICHE Journal, 2018, 64, 3835-3848.	1.8	17
10	Numerical study on the axial segregation dynamics of a binary-size granular mixture in a three-dimensional rotating drum. Physics of Fluids, 2017, 29, .	1.6	12
11	Segregation dynamics of a binary-size mixture in a three-dimensional rotating drum. Chemical Engineering Science, 2017, 172, 652-666.	1.9	47
12	Forcing scheme analysis for the axisymmetric lattice Boltzmann method under incompressible limit. Physical Review E, 2017, 95, 043311.	0.8	7
13	Alternative extrapolation-based symmetry boundary implementations for the axisymmetric lattice Boltzmann method. Physical Review E, 2017, 95, 043312.	0.8	8
14	Improving the operational stability of the multi-chamber spout-fluid bed via the insertion of a submerged partition plate. AICHE Journal, 2017, 63, 485-500.	1.8	6
15	DEM study of the size-induced segregation dynamics of a ternary-size granular mixture in the rolling-regime rotating drum. Physics of Fluids, 2017, 29, .	1.6	14
16	Consistent lattice Boltzmann methods for incompressible axisymmetric flows. Physical Review E, 2016, 94, 023302.	0.8	12
17	CFD-DEM investigation into the scaling up of spout-fluid beds via two interconnected chambers. AICHE Journal, 2016, 62, 1898-1916.	1.8	10
18	DEM study of granular flow characteristics in the active and passive regions of a three-dimensional rotating drum. AICHE Journal, 2016, 62, 3874-3888.	1.8	31

#	ARTICLE	IF	CITATIONS
19	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.	1.8	7
20	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.	0.9	11
21	Particle-scale investigation of the solid dispersion and residence properties in a 3D spout-fluid bed. <i>AICHE Journal</i> , 2014, 60, 2788-2804.	1.8	65
22	Coupled Computational Fluid Dynamics and Discrete Element Method Study of the Solid Dispersion Behavior in an Internally Circulating Fluidized Bed. <i>Industrial &amp; Engineering Chemistry Research</i> , 2014, 53, 6759-6772.	1.8	8
23	Particle Dispersion and Circulation Patterns in a 3D Spouted Bed with or without Draft Tube. <i>Industrial &amp; Engineering Chemistry Research</i> , 2013, 52, 9620-9631.	1.8	44
24	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 &amp; Engineering Chemistry Research</i> , 2013, 52, 13222-13231.	1.8	20
25	Computational Fluid Dynamics-Discrete Element Method Investigation of Solid Mixing Characteristics in an Internally Circulating Fluidized Bed. <i>Industrial &amp; Engineering Chemistry Research</i> , 2013, 52, 7556-7568.	1.8	57