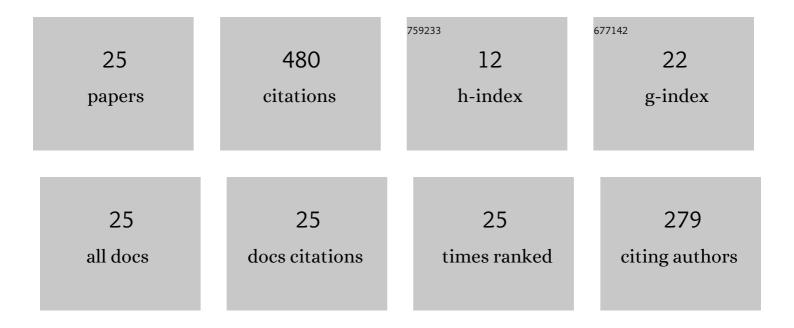
Shiliang Yang

List of Publications by Year in descending order

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SHULANC YANC

#	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.	3.7	4
2	Segregation behavior of binary mixtures of cylindrical particles with different length ratios in the rotating drum. AICHE Journal, 2020, 66, e16799.	3.6	15
3	Consistent second-order boundary implementations for convection-diffusion lattice Boltzmann method. Physical Review E, 2018, 97, 023302.	2.1	19
4	A numerical study of the segregation phenomenon of lognormal particle size distributions in the rotating drum. Physics of Fluids, 2018, 30, .	4.0	11
5	Three-dimensional axial dispersion dynamics of granular flow in the rolling-regime rotating drum. Powder Technology, 2018, 332, 131-138.	4.2	18
6	DEM study on the discharge characteristics of lognormal particle size distributions from a conical hopper. AICHE Journal, 2018, 64, 1174-1190.	3.6	19
7	DEM Study on the effect of particleâ€size distribution on jamming in a 3D conical hopper. AICHE Journal, 2018, 65, 512.	3.6	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.	4.0	9
9	Simulation of the granular flow of cylindrical particles in the rotating drum. AICHE Journal, 2018, 64, 3835-3848.	3.6	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, .	4.0	12
11	Segregation dynamics of a binary-size mixture in a three-dimensional rotating drum. Chemical Engineering Science, 2017, 172, 652-666.	3.8	47
12	Forcing scheme analysis for the axisymmetric lattice Boltzmann method under incompressible limit. Physical Review E, 2017, 95, 043311.	2.1	7
13	Alternative extrapolation-based symmetry boundary implementations for the axisymmetric lattice Boltzmann method. Physical Review E, 2017, 95, 043312.	2.1	8
14	Improving the operational stability of the multiâ€chamber spoutâ€fluid bed via the insertion of a submerged partition plate. AICHE Journal, 2017, 63, 485-500.	3.6	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, .	4.0	14
16	Consistent lattice Boltzmann methods for incompressible axisymmetric flows. Physical Review E, 2016, 94, 023302.	2.1	12
17	CFD–DEM investigation into the scaling up of spoutâ€fluid beds via two interconnected chambers. AICHE Journal, 2016, 62, 1898-1916.	3.6	10
18	DEM study of granular flow characteristics in the active and passive regions of a threeâ€dimensional rotating drum. AICHE Journal, 2016, 62, 3874-3888.	3.6	31

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#	Article	IF	CITATIONS
19	Computational study of spout collapse and impact of partition plate in a double slotâ€rectangular spouted bed. AICHE Journal, 2015, 61, 4087-4101.	3.6	7
20	CFDâ€ÐEM simulation of the spout–annulus interaction in a 3D spouted bed with a conical base. Canadian Journal of Chemical Engineering, 2014, 92, 1130-1138.	1.7	11
21	Particleâ€scale investigation of the solid dispersion and residence properties in a 3â€D spoutâ€fluid bed. AICHE Journal, 2014, 60, 2788-2804.	3.6	65
22	Coupled Computational Fluid Dynamics and Discrete Element Method Study of the Solid Dispersion Behavior in an Internally Circulating Fluidized Bed. Industrial & Engineering Chemistry Research, 2014, 53, 6759-6772.	3.7	8
23	Particle Dispersion and Circulation Patterns in a 3D Spouted Bed with or without Draft Tube. Industrial & Engineering Chemistry Research, 2013, 52, 9620-9631.	3.7	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. Industrial & Engineering Chemistry Research, 2013, 52, 13222-13231.	3.7	20
25	Computational Fluid Dynamics-Discrete Element Method Investigation of Solid Mixing Characteristics in an Internally Circulating Fluidized Bed. Industrial & Engineering Chemistry Research, 2013, 52, 7556-7568.	3.7	57