# Shiliang Yang

List of Publications by Year
in descending order

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|---|---|---|---|
| 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 | DEM Study of the Effect of Impeller Design on Mixing Performance in a Vertical Mixer. Industrial &amp; 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 | CFDâ€"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 |

| # | ARTICLE | IF | CITATIONS |
|---|---------|----|-----------|
| 19 | Computational study of spout collapse and impact of partition plate in a double slot–rectangular spouted bed. AICHE Journal, 2015, 61, 4087-4101. | 3.6 | 7 |
| 20 | CFD–DEM 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 | Particle–scale investigation of the solid dispersion and residence properties in a 3–D spout–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 &amp; 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 &amp; 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 &amp; 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 &amp; Engineering Chemistry Research, 2013, 52, 7556-7568. | 3.7 | 57 |