Huilin Lu

List of Publications by Year
in descending order

166 papers	5,186 citations	117571 34 h-index	102432 66 g-index
168 all docs	168 docs citations	168 times ranked	3017 citing authors

#	ARTICLE	IF	CITATIONS
1	Heat transfer and flow behaviour of aqueous suspensions of TiO2 nanoparticles (nanofluids) flowing upward through a vertical pipe. International Journal of Heat and Mass Transfer, 2007, 50, 2272-2281.	2.5	812
2	Hydrodynamics of binary fluidization in a riser: CFD simulation using two granular temperatures. Chemical Engineering Science, 2003, 58, 3777-3792.	1.9	342
3	Numerical investigation into the convective heat transfer of TiO2 nanofluids flowing through a straight tube under the laminar flow conditions. Applied Thermal Engineering, 2009, 29, 1965-1972.	3.0	236
4	Hydrodynamic simulation of gas–solid flow in a riser using kinetic theory of granular flow. Chemical Engineering Journal, 2003, 95, 1-13.	6.6	217
5	Size segregation of binary mixture of solids in bubbling fluidized beds. Powder Technology, 2003, 134, 86-97.	2.1	163
6	Computer simulations of gas–solid flow in spouted beds using kinetic–frictional stress model of granular flow. Chemical Engineering Science, 2004, 59, 865-878.	1.9	150
7	Hydrodynamic modelling of binary mixture in a gas bubbling fluidized bed using the kinetic theory of granular flow. Chemical Engineering Science, 2003, 58, 1197-1205.	1.9	145
8	Equation of state and radial distribution functions of FCC particles in a CFB. AICHE Journal, 1998, 44, 279-293.	1.8	135
9	Investigation of mixing/segregation of mixture particles in gas–solid fluidized beds. Chemical Engineering Science, 2007, 62, 301-317.	1.9	114
10	CFD studies of dual circulating fluidized bed reactors for chemical looping combustion processes. Chemical Engineering Journal, 2014, 236, 121-130.	6.6	102
11	Collisional viscosity of FCC particles in a CFB. AICHE Journal, 1996, 42, 2503-2510.	1.8	100
12	Kinetic theory of fluidized binary granular mixtures. Physical Review E, 2001, 64, 061301.	0.8	85
13	A coal combustion model for circulating fluidized bed boilers. Fuel, 2000, 79, 165-172.	3.4	81
14	Hydrodynamics of gas–solid flow around immersed tubes in bubbling fluidized beds. Powder Technology, 2004, 145, 88-105.	2.1	62
15	Simulation and experiment of segregating/mixing of rice husk–sand mixture in a bubbling fluidized bed. Fuel, 2005, 84, 1739-1748.	3.4	59
16	Numerical simulations of flow behavior of gas and particles in spouted beds using frictional-kinetic stresses model. Powder Technology, 2009, 196, 184-193.	2.1	59
17	Prediction of particle motion in a two-dimensional bubbling fluidized bed using discrete hard-sphere model. Chemical Engineering Science, 2005, 60, 3217-3231.	1.9	58
18	Kinetic theory of fluidized binary granular mixtures with unequal granular temperature. Physica A: Statistical Mechanics and Its Applications, 2000, 284, 265-276.	1.2	54

#	Article	IF	Citations
19	Modeling of cluster structure-dependent drag with Eulerian approach for circulating fluidized beds. Powder Technology, 2011, 208, 98-110.	2.1	53
20	Hydrodynamic Simulations of Gasâ‟Solid Flow in a Riser. Industrial & Engineering Chemistry Research, 2003, 42, 2390-2398.	1.8	51
21	Numerical simulation of particle motion in vibrated fluidized beds. Powder Technology, 2010, 197, 25-35.	2.1	51
22	Multiphase CFD Simulation of Solid Propellant Combustion in a Small Gun Chamber. International Journal of Chemical Engineering, 2014, 2014, 1-10.	1.4	51
23	Numerical study of particle cluster flow in risers with cluster-based approach. Chemical Engineering Science, 2005, 60, 6757-6767.	1.9	50
24	Numerical prediction of flow behavior of cuttings carried by Herschel-Bulkley fluids in horizontal well using kinetic theory of granular flow. Powder Technology, 2018, 329, 386-398.	2.1	50
25	Fluid dynamic simulation in a chemical looping combustion with two interconnected fluidized beds. Fuel Processing Technology, 2011, 92, 385-393.	3.7	47
26	Flow behavior of clusters in a riser simulated by direct simulation Monte Carlo method. Chemical Engineering Journal, 2005, 106, 197-211.	6.6	43
27	Effects of flow behavior index and consistency coefficient on hydrodynamics of power-law fluids and particles in fluidized beds. Powder Technology, 2020, 366, 249-260.	2.1	42
28	Numerical predictions of flow behavior and cluster size of particles in riser with particle rotation model and cluster-based approach. Chemical Engineering Science, 2008, 63, 4116-4125.	1.9	39
29	Effect of orbital motion of drill pipe on the transport of non-Newtonian fluid-cuttings mixture in horizontal drilling annulus. Journal of Petroleum Science and Engineering, 2019, 174, 201-215.	2.1	37
30	Hydrodynamic simulation of fuel-reactor in chemical looping combustion process. Chemical Engineering Research and Design, 2011, 89, 1501-1510.	2.7	36
31	A cluster structure-dependent drag coefficient model applied to risers. Powder Technology, 2012, 225, 176-189.	2.1	36
32	Hydrodynamics of gasâ€"solid risers using cluster structure-dependent drag model. Powder Technology, 2014, 254, 214-227.	2.1	36
33	Numerical prediction of combustion of carbon particle clusters in a circulating fluidized bed riser. Chemical Engineering Journal, 2006, 118, 1-10.	6.6	35
34	Numerical simulation of flow behavior of particles and clusters in riser using two granular temperatures. Powder Technology, 2008, 182, 282-293.	2.1	35
35	Study on forced convective heat transfer of non-newtonian nanofluids. Journal of Thermal Science, 2009, 18, 20-26.	0.9	35
36	Numerical simulation of particle motion in a gradient magnetically assisted fluidized bed. Powder Technology, 2010, 203, 555-564.	2.1	35

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37	Simulation of effect of catalyst particle cluster on dry methane reforming in circulating fluidized beds. Chemical Engineering Journal, 2007, 131, 123-134.	6.6	32
38	Numerical Simulations of Hydrodynamic Behaviour in Spouted Beds. Chemical Engineering Research and Design, 2001, 79, 593-599.	2.7	31
39	Investigation of cuttings transport in directional and horizontal drilling wellbores injected with pulsed drilling fluid using CFD approach. Tunnelling and Underground Space Technology, 2019, 90, 183-193.	3.0	30
40	Numerical simulation of bubble and particles motions in a bubbling fluidized bed using direct simulation Monte-Carlo method. Powder Technology, 2006, 169, 159-171.	2.1	28
41	Numerical study on the cluster flow behavior in the riser of circulating fluidized beds. Chemical Engineering Journal, 2009, 150, 374-384.	6.6	27
42	Numerical simulations of gasâ€"solid flow in tapered risers. Powder Technology, 2006, 169, 89-98.	2.1	26
43	Prediction on immersed tubes erosion using two-fluid model in a bubbling fluidized bed. Chemical Engineering Science, 2009, 64, 3072-3082.	1.9	26
44	Modeling of Chemical Looping Combustion of Methane Using a Ni-Based Oxygen Carrier. Energy & Fuels, 2014, 28, 3420-3429.	2.5	26
45	DSMC prediction of granular temperatures of clusters and dispersed particles in a riser. Powder Technology, 2009, 192, 225-233.	2.1	25
46	Simulation of the Chemical Looping Reforming Process in the Fuel Reactor with a Bubble-Based Energy Minimization Multiscale Model. Energy & Fuels, 2013, 27, 5008-5015.	2.5	25
47	Multi-scale simulation of chemical looping combustion in dual circulating fluidized bed. Applied Energy, 2015, 155, 719-727.	5.1	25
48	Dimension measurements of hydrodynamic attractors in circulating fluidized beds. Powder Technology, 1997, 90, 179-185.	2.1	24
49	Simulation of cohesive particle motion in a sound-assisted fluidized bed. Powder Technology, 2011, 207, 65-77.	2.1	24
50	Numerical investigation of solid circulation flux in an internally circulating fluidized bed with different gas distributor designs. Powder Technology, 2016, 301, 1103-1111.	2.1	24
51	Numerical simulation of different flow regimes in a horizontal rotating ellipsoidal drum. Powder Technology, 2016, 291, 86-96.	2.1	24
52	Numerical study of gasâ€"solid flow in a precalciner using kinetic theory of granular flow. Chemical Engineering Journal, 2004, 102, 151-160.	6.6	23
53	CFD studies on mass transfer of gas-to-particle cluster in a circulating fluidized bed. Computers and Chemical Engineering, 2009, 33, 393-401.	2.0	23
54	Numerical simulation of flow behavior of agglomerates in gasâ€"cohesive particles fluidized beds using agglomerates-based approach. Chemical Engineering Science, 2010, 65, 1462-1473.	1.9	23

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55	Experimental and numerical investigation on heat transfer of Therminol heat transfer fluid in an internally four-head ribbed tube. International Journal of Thermal Sciences, 2017, 116, 32-44.	2.6	23
56	Predictions of coal combustion and desulfurization in a CFB riser reactor by kinetic theory of granular mixture with unequal granular temperature. Fuel Processing Technology, 2014, 126, 163-172.	3.7	22
57	A second-order moment method of dense gas–solid flow for bubbling fluidization. Chemical Engineering Science, 2009, 64, 5013-5027.	1.9	21
58	Numerical analysis of particle clustering effects on desulphurization and NO emission in a circulating fluidized bed combustor. Fuel, 2008, 87, 870-877.	3.4	20
59	Numerical simulation of gas-particle flow with a second-order moment method in bubbling fluidized beds. Powder Technology, 2010, 199, 213-225.	2.1	20
60	A bubbling fluidization model using kinetic theory of rough spheres. AICHE Journal, 2012, 58, 440-455.	1.8	20
61	A coupled Eulerian fluid phase-Eulerian solids phase-Lagrangian discrete particles hybrid model applied to gas-solids bubbling fluidized beds. Powder Technology, 2017, 315, 385-397.	2.1	20
62	Eulerian simulations of bubble behaviour in a two-dimensional gas-solid bubbling fluidized bed. International Journal of Energy Research, 2002, 26, 1285-1293.	2.2	19
63	CFD simulations of bubbling beds of rough spheres. Chemical Engineering Science, 2008, 63, 5653-5662.	1.9	19
64	Computational Fluid Dynamic Simulation Based Cluster Structures-Dependent Drag Coefficient Model in Dual Circulating Fluidized Beds of Chemical Looping Combustion. Industrial & Engineering Chemistry Research, 2012, 51, 1396-1412.	1.8	19
65	Experimental and numerical studies of heat transfer and friction factor of therminol liquid phase heat transfer fluid in a ribbed tube. Applied Thermal Engineering, 2016, 95, 165-177.	3.0	19
66	Numerical study of coal particle cluster combustion under quiescent conditions. Chemical Engineering Science, 2007, 62, 4336-4347.	1.9	18
67	Numerical analysis of interphase heat and mass transfer of cluster in a circulating fluidized bed. Powder Technology, 2009, 189, 87-96.	2.1	18
68	Flow of gas and particles in a bubbling fluidized bed with a filtered two-fluid model. Chemical Engineering Science, 2010, 65, 2664-2679.	1.9	18
69	A comprehensive stress model for gas-particle flows in dense and dilute regimes. Chemical Engineering Science, 2020, 226, 115833.	1.9	18
70	Numerical Predication of Cracking Reaction of Particle Clusters in Fluid Catalytic Cracking Riser Reactors. Chinese Journal of Chemical Engineering, 2008, 16, 670-678.	1.7	17
71	Numerical Simulation of Hydrogen Production via Chemical Looping Reforming in Interconnected Fluidized Bed Reactor. Industrial & Engineering Chemistry Research, 2014, 53, 4182-4191.	1.8	17
72	Modeling of Bubble-Structure-Dependent Drag for Bubbling Fluidized Beds. Industrial & Engineering Chemistry Research, 2014, 53, 15776-15785.	1.8	17

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73	Simulations of dynamic properties of particles in horizontal rotating ellipsoidal drums. Applied Mathematical Modelling, 2016, 40, 7708-7723.	2.2	17
74	Prediction of flow behavior of particles in a tapered bubbling fluidized bed using a second-order moment-frictional stresses model. Chemical Engineering Science, 2012, 84, 170-181.	1.9	16
75	A second-order moment method applied to gas–solid risers. AICHE Journal, 2012, 58, 3653-3675.	1.8	16
76	Simulated configurational temperature of particles and a model of constitutive relations of rapid-intermediate-dense granular flow based on generalized granular temperature. International Journal of Multiphase Flow, 2015, 77, 1-18.	1.6	16
77	Simulations and experiments of laminar heat transfer for Therminol heat transfer fluids in a rifled tube. Applied Thermal Engineering, 2016, 102, 861-872.	3.0	16
78	Discrete particle simulations for flow of binary particle mixture in a bubbling fluidized bed with a transport energy weighted averaging scheme. Chemical Engineering Science, 2009, 64, 1707-1718.	1.9	15
79	Simulation of flow behavior of particles by cluster structure-dependent drag coefficient model for chemical looping combustion process: Air reactor modeling. Fuel Processing Technology, 2012, 104, 219-233.	3.7	15
80	Hydrodynamic modeling of particle rotation in bubbling gas-fluidized beds. International Journal of Multiphase Flow, 2012, 39, 159-178.	1.6	15
81	Multi-scale heat transfer in fluidized bed reactors by Eulerian CFD modeling. Fuel, 2015, 139, 646-651.	3.4	15
82	Assessment of CO_2 capture using potassium-based sorbents in circulating fluidized bed reactor by multiscale modeling. Fuel, 2016, 164, 66-72.	3.4	15
83	Prediction of flow behavior of micro-particles in risers in the presence of van der Waals forces. Chemical Engineering Journal, 2007, 132, 137-149.	6.6	14
84	Prediction of Radial Distribution Function of Particles in a Gas–Solid Fluidized Bed Using Discrete Hard-Sphere Model. Industrial & Engineering Chemistry Research, 2009, 48, 1343-1352.	1.8	14
85	A dynamic cluster structure-dependent drag coefficient model applied to gas-solid risers. Powder Technology, 2018, 325, 381-395.	2.1	14
86	Simulation of effect of catalytic particle clustering on methane steam reforming in a circulating fluidized bed reformer. Chemical Engineering Journal, 2008, 139, 136-146.	6.6	13
87	CFD simulation of gas–solid flow with a cluster structure-dependent drag coefficient model in circulating fluidized beds. Applied Mathematical Modelling, 2013, 37, 8179-8202.	2.2	13
88	Numerical Simulation of Particle Segregation in Vibration Fluidized Beds. Chemical Engineering and Technology, 2014, 37, 2109-2115.	0.9	13
89	Analysis of SO_2 and NO_x Emissions Using Two-Fluid Method Coupled with Eddy Dissipation Concept Reaction Submodel in Circulating Fluidized Bed Combustors. Energy & Fuels, 2014, 28, 2227-2235.	2.5	13
90	Numerical computation of a circulating fluidized bed combustor. International Journal of Energy Research, 1998, 22, 1351-1364.	2.2	12

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91	Computations of Fluid Dynamics of a 50 MWe Circulating Fluidized Bed Combustor. Industrial & Engineering Chemistry Research, 2010, 49, 5132-5140.	1.8	12
92	Numerical modeling of a bubbling fluidized bed coal gasifier by kinetic theory of rough spheres. Fuel, 2014, 130, 197-202.	3.4	12
93	Cluster structure-dependent drag model for liquidâ€"solid circulating fluidized bed. Advanced Powder Technology, 2015, 26, 14-23.	2.0	12
94	Simulated pulsed flow of gas and particles in a horizontal oppose-pulsed gas jets of bubbling fluidized bed. Advanced Powder Technology, 2018, 29, 3507-3519.	2.0	12
95	Chaotic behavior of local temperature fluctuations in a laboratory-scale circulating fluidized bed. Powder Technology, 2002, 123, 59-68.	2.1	11
96	Computational fluid dynamics of riser using kinetic theory of rough spheres. Powder Technology, 2012, 228, 56-68.	2.1	11
97	Modeling of reactive gasâ€"solid flows in riser reactors using a multi-scale chemical reaction model. Chemical Engineering Science, 2014, 116, 773-780.	1.9	11
98	Prediction of configurational and granular temperatures of particles using DEM in reciprocating grates. Powder Technology, 2015, 269, 495-504.	2.1	11
99	Simulated second-order moments of clusters and dispersed particles in riser. Chemical Engineering Science, 2013, 101, 800-812.	1.9	10
100	Simulations of configurational and granular temperatures of particles using DEM in roller conveyor. Powder Technology, 2014, 268, 436-445.	2.1	10
101	Extension of cluster-structure dependent drag model to simulation of riser with Geldart B particles. Advanced Powder Technology, 2016, 27, 57-63.	2.0	10
102	Investigation of interstitial fluid effect on the hydrodynamics of granular in liquid-solid fluidized beds with CFD-DEM. Powder Technology, 2017, 322, 353-368.	2.1	10
103	Simulation of motion of particles in reciprocating grates using DEM. Powder Technology, 2013, 246, 218-228.	2.1	9
104	Insights in Steam Reforming of Glycerol in a Fluidized Bed by Computational Fluid Dynamics Modeling. Energy & Fuels, 2016, 30, 8335-8342.	2.5	9
105	CFD-DEM study of the effects of direct current electric field on gas-solid fluidization. Powder Technology, 2020, 362, 416-427.	2.1	9
106	Numerical Simulation of Fluid Dynamics of a Riser: Influence of Particle Rotation. Industrial & Engineering Chemistry Research, 2010, 49, 3585-3596.	1.8	8
107	Thermo-hydraulic performance of liquid phase heat transfer fluid (Therminol) in a ribbed tube. Experimental Thermal and Fluid Science, 2016, 72, 149-160.	1.5	8
108	Numerical Modeling of Gas Tubular Distributors in Bubbling Fluidized-Bed Incinerators. Industrial & Engineering Chemistry Research, 2006, 45, 6818-6827.	1.8	7

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109	Numerical Simulations of Flow Behaviour of Agglomerates of Nano-Size Particles in Bubbling and Spouted Beds with an Agglomerate-Based Approach. Food and Bioproducts Processing, 2007, 85, 231-240.	1.8	7
110	Simulation of particles and gas flow behavior in a riser using a filtered two-fluid model. Chemical Engineering Science, 2011, 66, 593-603.	1.9	7
111	CFD simulation of bubbling fluidized beds using kinetic theory of rough sphere. Chemical Engineering Science, 2012, 71, 185-201.	1.9	7
112	Interior Ballistics Twoâ€Phase Reactive Flow Model Applied to Small Caliber Projectileâ€Gun System. Propellants, Explosives, Pyrotechnics, 2015, 40, 720-728.	1.0	7
113	Determination of Pressure Profile During Closed-Vessel Test Through Computational Fluid Dynamics Simulation. Journal of Thermal Science and Engineering Applications, 2016, 8, .	0.8	7
114	Evaluation of a bubble-structure dependent drag model for the simulation of bubbling fluidization with Geldart A particles. Powder Technology, 2016, 289, 44-51.	2.1	7
115	Two-Fluid Simulation of a Three-Dimensional Spout-Fluid Bed: Flow Structures, Regimes, and Insight into the Mechanism of Particleâ€"Particle Momentum Transfer. Industrial & Engineering Chemistry Research, 2021, 60, 7950-7965.	1.8	7
116	Computational simulations using a low density ratio-based kinetic theory of granular flow in subcritical water fluidized beds. Advanced Powder Technology, 2022, 33, 103424.	2.0	7
117	Simulations of flow behavior of fuel particles in a conceptual helium-cooled spout fluidized bed nuclear reactor. Nuclear Engineering and Design, 2009, 239, 106-115.	0.8	6
118	Numerical study of melted PCM inside a horizontal annulus with threads in a three-dimensional model. RSC Advances, 2015, 5, 12178-12185.	1.7	6
119	Numerical prediction of flow hydrodynamics of wet molecular sieve particles in a liquid-fluidized bed. Particuology, 2016, 25, 42-50.	2.0	6
120	Impact velocity-dependent restitution coefficient using a coupled Eulerian fluid phase-Eulerian solid phase-Lagrangian discrete particles phase model in gas-monodisperse particles internally circulating fluidized bed. International Journal of Multiphase Flow, 2018, 105, 142-158.	1.6	6
121	Numerical simulation of flow behavior of topped gas-particles jet in a bubbling fluidized bed. Powder Technology, 2019, 348, 51-64.	2.1	6
122	Computations of a Circulating Fluidized-Bed Boiler with Wide Particle Size Distributions. Industrial & Engineering Chemistry Research, 2000, 39, 3212-3220.	1.8	5
123	A numerical study on the gas fluidisation of secondary agglomerates of nanoparticles. Progress in Natural Science: Materials International, 2005, 15, 111-116.	1.8	5
124	Numerical Simulations of the Effect of Conical Dimension on the Hydrodynamic Behaviour in Spouted Beds. Canadian Journal of Chemical Engineering, 2004, 82, 20-29.	0.9	5
125	Simulation of Performance of Cracking Reactions of Particle Clusters in FCC Risers. Industrial & Engineering Chemistry Research, 2008, 47, 4632-4640.	1.8	5
126	Modeling of a Chemical Looping Combustion Process in Interconnected Fluidized Beds with a Cuâ€Based Oxygen Carrier. Chemical Engineering and Technology, 2013, 36, 1503-1510.	0.9	5

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127	Thermo-hydraulic performance of Therminol liquid phase heat transfer fluid in a ribbed tube of solar heater. Renewable Energy, 2017, 101, 919-929.	4.3	5
128	Computational fluid dynamics analysis of the circulation characteristics of a binary mixture of particles in an internally circulating fluidized bed. Applied Mathematical Modelling, 2019, 72, 1-16.	2.2	5
129	Comparative analysis of heterogeneous gas-solid flow using dynamic cluster structure-dependent drag model in risers. International Journal of Multiphase Flow, 2020, 122, 103126.	1.6	5
130	Computations of mixing/segregation of binary mixtures in supercritical water fluidized bed. Chemical Engineering Science, 2021, 229, 116027.	1.9	5
131	Computational simulations of hydrodynamics of supercritical methanol fluid fluidized beds using a low density ratio-based kinetic theory of granular flow. Journal of Supercritical Fluids, 2022, 186, 105598.	1.6	5
132	Hydrodynamic Modeling of Gasâ˜'Particle Flows in Dâ˜'D Calciners. Industrial & Engineering Chemistry Research, 2005, 44, 3033-3041.	1.8	4
133	Numerical simulation of flow behavior of top-gas jet in a gas-particles bubbling fluidized bed. Powder Technology, 2018, 338, 664-676.	2.1	4
134	Modified MFIX code to simulate hydrodynamics of gas-solids bubbling fluidized beds: A model of coupled kinetic theory of granular flow and discrete element method. Powder Technology, 2019, 357, 417-427.	2.1	4
135	Analysis of SO_2 Physisorption by Edge-Functionalized Nanoporous Carbons Using Grand Canonical Monte Carlo Methods and Density Functional Theory: Implications for SO_2 Removal. ACS Omega, 2021, 6, 33735-33746.	1.6	4
136	CFD study of binary mixture mixing/segregation of supercritical carbon dioxide fluidized bed. Powder Technology, 2022, 397, 117029.	2.1	4
137	Numerical simulation of gas and particle flow in cyclone separators. , 2013, , .		3
138	Numerical Simulation of Particle Flow Motion in a Two-Dimensional Modular Pebble-Bed Reactor with Discrete Element Method. Science and Technology of Nuclear Installations, 2013, 2013, 1-12.	0.3	3
139	Multi-scale study of hydrodynamics in an interconnected fluidized bed for the chemical looping combustion process. RSC Advances, 2015, 5, 53404-53411.	1.7	3
140	Investigation of Aggregation Kernel and Simulation of Cohesive Particle Flow. Chemical Engineering and Technology, 2016, 39, 1858-1866.	0.9	3
141	Predicted configurational and translational granular temperatures of particles for low-velocity intruder impacting on granular bed using DEM. Powder Technology, 2016, 297, 283-293.	2.1	3
142	Numerical Simulations of Solid Circulation Characteristics in an Internally Circulating Elevated Fluidized Bed. Chemical Engineering and Technology, 2017, 40, 769-777.	0.9	3
143	Modeling of coal combustion in a 25-MW FBC power plant. Energy, 1999, 24, 199-208.	4.5	2
144	Heat transfer and friction factor of Therminol liquid phase heat transfer fluid in a ribbed tube. Chinese Journal of Chemical Engineering, 2017, 25, 1343-1351.	1.7	2

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145	Numerical simulations of gas-particle flow behavior created by low-level rotary-winged aircraft flight over particle bed. Applied Mathematics and Mechanics (English Edition), 2019, 40, 397-406.	1.9	2
146	Entrainment of particles and gas induced by draft fan over the particles bed. Advanced Powder Technology, 2020, 31, 198-210.	2.0	2
147	Clusters intermittent simulations using dynamic cluster structure-dependent drag model in gas-particles risers. Chemical Engineering Science, 2020, 221, 115643.	1.9	2
148	Analysis of dissipative mechanisms of cluster heterogeneous structures in gas–solid riser. Chemical Engineering Science, 2021, 246, 116878.	1.9	2
149	Pulsation active method-based particle cluster regulation using dynamic cluster structure-dependent drag model in a fluidized bed riser. Chemical Engineering Science, 2022, 249, 117370.	1.9	2
150	Passive method-based clusters regulation of two-stage fluidized bed riser using dynamic cluster structure-dependent drag model. Chemical Engineering Journal, 2022, 431, 134111.	6.6	2
151	IBM-LBM-DEM Study of Two-Particle Sedimentation: Drafting-Kissing-Tumbling and Effects of Particle Reynolds Number and Initial Positions of Particles. Energies, 2022, 15, 3297.	1.6	2
152	The imaginary plane mothod of radiation heat transfer in the freeboard of atmospheric bubbling fluidized bed boiler. Journal of Thermal Science, 1993, 2, 18-24.	0.9	1
153	Study of Flow Characteristics of Ultrafine $CaCO_3$ Powders in a Spouted Bed. Chemical Engineering and Technology, 2017, 40, 622-630.	0.9	1
154	Transition of sub- and super-critical water fluidized beds using low density ratio kinetic theory of granular flow. Powder Technology, 2022, 407, 117689.	2.1	1
155	Computer simulations and measurements of radial solid flow distribution in a riser. Journal of Thermal Science, 1998, 7, 71-77.	0.9	0
156	Numerical Study on the Flow Behavior of Near Wall Cluster in the Circulating Fluidized Bed. , 2009, , .		0
157	Answer to "Comment on two-dimensional discrete particle model by Berrouk and Wu". Chemical Engineering Journal, 2010, 160, 812.	6.6	0
158	Study of Flow of Fine Particles with an Agglomerate-Based Approach. , 2010, , .		0
159	Large-eddy simulation of the flow behaviors of gas and particles in a riser. , 2011, , .		0
160	Experimental and CFD study on the hydrodynamic characters of dense liquid-solid fluidized bed. , 2013, , .		0
161	Simulation of hydrodynamics using large eddy simulation-second-order moment model in circulating fluidized beds. , 2013, , .		0
162	Modeling of air and particles flow with revolving rotor hovering over the particles layer. Powder Technology, 2020, 376, 272-284.	2.1	0

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163	Homogeneous and Nonhomogeneous Interfacial Momentum Closure. , 2021, , 53-88.		0
164	Constitutive Equations with Kinetic Theory of Granular Flow. , 2021, , 11-51.		0
165	Cases for Numerical Simulations of Fluidized Bed Systems. , 2021, , 151-198.		0
166	Transition fluidization in pulsating subcritical water fluidized beds. Chemical Engineering Research and Design, 2022, 184, 488-500.	2.7	0