

Reza Zarghami

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

152
papers

1,980
citations

25
h-index

37
g-index

162
ext. papers

2,394
ext. citations

3.5
avg, IF

5.39
L-index

#	Paper	IF	Citations
152	Vibrational analysis of pipes based on the drift-flux two-phase flow model. <i>Ocean Engineering</i> , 2022 , 249, 110917	3.9	5
151	Studying the effect of direction and strength of magnetic field on fluidization of nanoparticles by recurrence analysis. <i>Advanced Powder Technology</i> , 2022 , 33, 103561	4.6	
150	Mixing assessment of an industrial anaerobic digestion reactor using CFD. <i>Renewable Energy</i> , 2022 , 192, 537-549	8.1	
149	Editorial special section: selected extended papers from an International Conference on Energy and Environmental Technologies for Sustainable Development (CHEM-CONFLUX20). <i>Chemical Product and Process Modeling</i> , 2021 , 16, 67-68	1.1	
148	CFD-DEM analysis of the spouted fluidized bed with non-spherical particles. <i>Canadian Journal of Chemical Engineering</i> , 2021 , 99, 2303	2.3	4
147	Mixing of nanoparticle agglomerates in fluidization using CFD-DEM at ABF and APF regimes. <i>Chemical Engineering Research and Design</i> , 2021 , 169, 165-175	5.5	1
146	Monitoring of the bubble columns hydrodynamics by recurrence quantification data analysis. <i>Chemical Engineering Research and Design</i> , 2021 , 171, 100-110	5.5	0
145	Charge transfer and bipolar charging of particles in a bubbling fluidized bed. <i>Particuology</i> , 2021 , 54, 109-115	1.85	1
144	5-Fluorouracil-loaded poly(vinyl alcohol)/chitosan blend nanofibers: morphology, drug release and cell culture studies. <i>Iranian Polymer Journal (English Edition)</i> , 2021 , 30, 167-177	2.3	6
143	Modeling methods for gravity flow of granular solids in silos. <i>Reviews in Chemical Engineering</i> , 2021 , 37, 449-479	5	1
142	Unsupervised Monitoring of Flocculation Processes based on Recurrence Theory. <i>Computer Aided Chemical Engineering</i> , 2021 , 50, 1389-1394	0.6	
141	Data-Driven Fault Diagnosis of Chemical Processes Based on Recurrence Plots. <i>Industrial & Engineering Chemistry Research</i> , 2021 , 60, 3038-3055	3.9	6
140	CFD-DEM simulation of wall sheeting and particles charge in fluidized beds. <i>Canadian Journal of Chemical Engineering</i> , 2021 , 99, 1582-1594	2.3	1
139	Joint recurrence based root cause analysis of nonlinear multivariate chemical processes. <i>Journal of Process Control</i> , 2021 , 103, 19-33	3.9	1
138	Prediction of the characteristic time of powder caking in storage and test conditions: Experimental and modeling study. <i>Chemical Engineering Research and Design</i> , 2021 , 172, 226-234	5.5	
137	Investigating the hydrodynamics of vibro-fluidized bed of hydrophilic titanium nanoparticles. <i>Chemical Engineering Research and Design</i> , 2021 , 174, 486-497	5.5	1
136	Fault diagnosis of chemical processes based on joint recurrence quantification analysis. <i>Computers and Chemical Engineering</i> , 2021 , 155, 107549	4	2

135	Experimental investigation of bubble behavior in gas-solid fluidized bed. <i>Advanced Powder Technology</i> , 2020 , 31, 2680-2688	4.6	3
134	Investigating the bubble dynamics in fluidized bed by CFD-DEM. <i>Powder Technology</i> , 2020 , 366, 938-948	5.2	11
133	Review and implementation of CFD-DEM applied to chemical process systems. <i>Chemical Engineering Science</i> , 2020 , 221, 115646	4.4	48
132	Multiscale characterization of nanoparticles in a magnetically assisted fluidized bed. <i>Particuology</i> , 2020 , 51, 64-71	2.8	8
131	Experimental study on the reduction of loratadine particle size through confined liquid impinging jets. <i>International Journal of Pharmaceutics</i> , 2020 , 587, 119668	6.5	2
130	Experimental and DEM studies of velocity profiles and residence time distribution of non-spherical particles in silos. <i>Powder Technology</i> , 2020 , 373, 510-521	5.2	7
129	On the drag force closures for multiphase flow modeling. <i>Chemical Product and Process Modeling</i> , 2020 ,	1.1	2
128	Production of Nanocellulose and Its Applications in Drug Delivery: A Critical Review. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 15800-15827	8.3	85
127	Effect of electrostatic charge of particles on hydrodynamics of gas-solid fluidized beds. <i>Advanced Powder Technology</i> , 2019 , 30, 815-828	4.6	4
126	Analysis of Non-Isothermal Viscous Flow Coalescence at Micro Scale. <i>Canadian Journal of Chemical Engineering</i> , 2019 , 97, 2565-2572	2.3	6
125	CFD-DEM modelling of particles attrition in jet-in-fluidized beds. <i>Chemical Engineering Research and Design</i> , 2019 , 148, 336-348	5.5	7
124	Fluidization of electrically charged particles. <i>Journal of Electrostatics</i> , 2019 , 99, 9-18	1.7	2
123	Dynamics of two-phase flow in vertical pipes. <i>Journal of Fluids and Structures</i> , 2019 , 87, 150-173	3.1	40
122	Effects of the number of particles and coordination number on viscous-flow agglomerate sintering. <i>Particuology</i> , 2019 , 43, 76-83	2.8	6
121	Soft sensor design and fault detection using Bayesian network and probabilistic principal component analysis. <i>Journal of Advanced Manufacturing and Processing</i> , 2019 , 1,	2.7	3
120	Effect of interparticle force on gas dynamics in a bubbling gas-solid fluidized bed: A CFD-DEM study. <i>Chemical Engineering Research and Design</i> , 2019 , 152, 348-362	5.5	6
119	Simulation of granular mixing in a static mixer by the discrete element method. <i>Powder Technology</i> , 2019 , 346, 171-179	5.2	15
118	Uncertainty in chemical process systems engineering: a critical review. <i>Reviews in Chemical Engineering</i> , 2019 ,	5	5

117	A hybrid deterministic-stochastic model for spouted beds. <i>Particuology</i> , 2019 , 42, 104-113	2.8	4
116	Computational modeling of the electrostatic charge build-up in fluidized beds. <i>Journal of Electrostatics</i> , 2019 , 97, 108-120	1.7	2
115	Hydrodynamics of bubbling fluidized bed for adsorption of CO ₂ with KOH/K ₂ CO ₃ . <i>Canadian Journal of Chemical Engineering</i> , 2019 , 97, 1317-1325	2.3	1
114	Detection of Agglomeration by Analysis of Vibration Signatures in a Pilot-Scale Fluidized Bed Reactor of Propylene Polymerization. <i>International Journal of Chemical Reactor Engineering</i> , 2019 , 17,	1.2	2
113	Effect of temperature on fluidization of hydrophilic and hydrophobic nanoparticle agglomerates. <i>Experimental Thermal and Fluid Science</i> , 2018 , 96, 63-74	3	11
112	A novel heat exchanger design method using a delayed rejection adaptive metropolis hastig algorithm. <i>Applied Thermal Engineering</i> , 2018 , 137, 808-821	5.8	0
111	Characterization of hydrodynamics of bubble columns by recurrence quantification analysis. <i>Chaos, Solitons and Fractals</i> , 2018 , 111, 213-226	9.3	4
110	A new correlation for minimum spouting velocity for conical spouted beds operating with high density particles. <i>Experimental Thermal and Fluid Science</i> , 2018 , 96, 358-370	3	13
109	Continuous nanoparticles production through a combination of a micro electro mechanical system and an electromagnetic resonator cavity. <i>Particulate Science and Technology</i> , 2018 , 36, 666-671	2	1
108	Investigating the Effect of Multiple Reference Frame Approach on the Modelling of an Oxidation Ditch. <i>International Journal of Environmental Research</i> , 2018 , 12, 429-437	2.9	1
107	A review on gravity flow of free-flowing granular solids in silos [Basics and practical aspects. <i>Chemical Engineering Science</i> , 2018 , 192, 1011-1035	4.4	32
106	Recognition of Particle Size Changes in Fluidized Beds by Recurrence and Cross Recurrence Quantification Analyses. <i>Industrial & Engineering Chemistry Research</i> , 2018 , 57, 11778-11784	3.9	5
105	Fluidization characterization of nano-powders in the presence of electrical field. <i>Canadian Journal of Chemical Engineering</i> , 2018 , 96, 1109-1115	2.3	3
104	On the mixing characteristics of a poorly water soluble drug through microfluidic-assisted nanoprecipitation: Experimental and numerical study. <i>Canadian Journal of Chemical Engineering</i> , 2018 , 96, 1098-1108	2.3	4
103	Adsorption modeling of CO ₂ in fluidized bed reactor. <i>Chemical Engineering Research and Design</i> , 2018 , 129, 111-121	5.5	10
102	Enhancing the fluidization quality of nanoparticles using external fields. <i>Advanced Powder Technology</i> , 2018 , 29, 3145-3154	4.6	7
101	Monitoring of liquid sprayed conical spouted beds by recurrence plots. <i>Powder Technology</i> , 2017 , 316, 148-156	5.2	12
100	Investigating the hydrodynamics of high temperature fluidized bed by recurrence plot. <i>Experimental Thermal and Fluid Science</i> , 2017 , 83, 88-99	3	8

99	Investigation of hydrodynamics of gas-solid fluidized beds using cross recurrence quantification analysis. <i>Advanced Powder Technology</i> , 2017 , 28, 1237-1248	4.6	16
98	Effect of distributor on fluidized bed hydrodynamics. <i>Canadian Journal of Chemical Engineering</i> , 2017 , 95, 2221-2234	2.3	16
97	Hydrodynamics of slot-rectangular spouted beds: Process intensification. <i>Chemical Engineering Research and Design</i> , 2017 , 121, 315-328	5.5	25
96	New hybrid CPU-GPU solver for CFD-DEM simulation of fluidized beds. <i>Powder Technology</i> , 2017 , 316, 233-244	5.2	30
95	Effect of changes in particle size on the hydrodynamics of gas-solid fluidized beds through wall vibration. <i>Powder Technology</i> , 2017 , 307, 129-136	5.2	8
94	CFD-DEM Simulation of a Conical Spouted Bed Operating with High Density Particles. <i>Springer Proceedings in Physics</i> , 2017 , 947-955	0.2	2
93	Fluidization of Nanoparticle Agglomerates at Elevated Temperatures. <i>Industrial & Engineering Chemistry Research</i> , 2017 , 56, 13955-13969	3.9	5
92	Principles of viscous sintering in amorphous powders: A critical review. <i>Chemical Engineering Research and Design</i> , 2017 , 125, 328-347	5.5	18
91	Dynamic analysis of the scale-up of fluidized beds. <i>Advanced Powder Technology</i> , 2017 , 28, 2621-2629	4.6	8
90	Oxygen diffusion in a spherical cell subject to nonlinear Michaelis-Menten kinetics: Mathematical analysis by two exact methods. <i>International Journal of Biomathematics</i> , 2017 , 10, 1750025	1.8	0
89	Granular mixing in nauta blenders. <i>Powder Technology</i> , 2017 , 305, 279-288	5.2	27
88	Modelling a Multiple Reference Frame Approach in an Oxidation Ditch of Activated Sludge Wastewater Treatment. <i>Lecture Notes in Civil Engineering</i> , 2017 , 713-717	0.3	0
87	Fault diagnosis of chemical processes with incomplete observations: A comparative study. <i>Computers and Chemical Engineering</i> , 2016 , 84, 104-116	4	36
86	Interparticle Forces and External Fields 2016 , 372-411		
85	DEM Implementation 2016 , 68-151		
84	Non-Spherical Particles 2016 , 152-188		
83	DEM Applications to Granular Flows 2016 , 189-256		
82	CFD-DEM Applications to Multiphase Flow 2016 , 341-371		1

81	Non-intrusive characterization of particle size changes in fluidized beds using recurrence plots. <i>AIChE Journal</i> , 2016 , 62, 3547-3561	3.6	17
80	Characterization of gas-liquid-solid fluidized beds by S statistics. <i>Particuology</i> , 2016 , 29, 135-142	2.8	1
79	Size of nanoparticle agglomerates in fluidization. <i>Canadian Journal of Chemical Engineering</i> , 2016 , 94, 476-484	2.3	13
78	Data-based fault detection in chemical processes: Managing records with operator intervention and uncertain labels. <i>Expert Systems With Applications</i> , 2016 , 63, 35-48	7.8	5
77	Editorial Special Issue: Selected Extended Papers from the 12th International Conference on Membrane Science and Technology (MST2015) Symposium on Modeling and Simulation. <i>Chemical Product and Process Modeling</i> , 2016 , 11, 1-2	1.1	1
76	Mathematical modeling of cell growth in a 3D scaffold and validation of static and dynamic cultures. <i>Engineering in Life Sciences</i> , 2016 , 16, 290-298	3.4	6
75	Investigation of Hydrodynamics of High-Temperature Fluidized Beds by Pressure Fluctuations. <i>Chemical Engineering and Technology</i> , 2016 , 39, 1527-1536	2	8
74	CFD-DEM Formulation and Coupling 2016 , 257-340		2
73	Fusion of micro-macro data for fault diagnosis of a sweetening unit using Bayesian network. <i>Chemical Engineering Research and Design</i> , 2016 , 115, 325-334	5.5	5
72	DEM Formulation 2016 , 15-67		
71	Fault diagnosis of chemical processes considering fault frequency via Bayesian network. <i>Canadian Journal of Chemical Engineering</i> , 2016 , 94, 2315-2325	2.3	16
70	2016 ,		56
69	Sustained release coating of ibuprofen pellets at Wurster fluidization: statistical approach. <i>Journal of Pharmaceutical Investigation</i> , 2015 , 45, 341-347	6.3	1
68	Insights into the granular flow in rotating drums. <i>Chemical Engineering Research and Design</i> , 2015 , 102, 12-25	5.5	36
67	Chaos control in the cerium-catalyzed Belousov-Zhabotinsky reaction using recurrence quantification analysis measures. <i>Chaos, Solitons and Fractals</i> , 2015 , 76, 121-129	9.3	18
66	A novel and computationally efficient algorithm for stability analysis of multi input-multi output process control systems. <i>Korean Journal of Chemical Engineering</i> , 2015 , 32, 1733-1743	2.8	5
65	Dominant flow structures in gas-liquid-solid fluidized beds. <i>Canadian Journal of Chemical Engineering</i> , 2015 , 93, 942-950	2.3	5
64	Characterization of fluidized beds hydrodynamics by recurrence quantification analysis and wavelet transform. <i>International Journal of Multiphase Flow</i> , 2015 , 69, 31-41	3.6	41

63	An Efficient Measure for Quantification of Nonlinearity in Chemical Engineering Processes Based on I/O Steady-State Loci. <i>Chemical Engineering Communications</i> , 2015 , 202, 1557-1563	2.2	1
62	An improved model for estimating fractal structure of silica nano-agglomerates in a vibro-fluidized bed. <i>International Journal of Multiphysics</i> , 2015 , 9, 325-340	0.6	5
61	Numerical comparison of gas-liquid bubble columns and gas-solid fluidized beds. <i>Canadian Journal of Chemical Engineering</i> , 2015 , 93, 1838-1848	2.3	8
60	Feedback control strategies for a cerium-catalyzed Belousov-Zhabotinsky chemical reaction system. <i>Canadian Journal of Chemical Engineering</i> , 2015 , 93, 1212-1221	2.3	16
59	An improved model for determining fractal structure of nano-agglomerates. <i>Canadian Journal of Chemical Engineering</i> , 2015 , 93, 1753-1759	2.3	9
58	Multi-scale analysis of flow structures in fluidized beds with immersed tubes. <i>Particuology</i> , 2015 , 21, 99-106	2.8	11
57	Analytical approximate solutions for a general nonlinear resistor-nonlinear capacitor circuit model. <i>Applied Mathematical Modelling</i> , 2015 , 39, 6021-6031	4.5	42
56	Formation and Characterization of Beclomethasone Dipropionate Nanoparticles Using Rapid Expansion of Supercritical Solution. <i>Advanced Pharmaceutical Bulletin</i> , 2015 , 5, 343-9	4.5	8
55	Dominant Flow Structures in Gas-Solid Fluidized Beds Using Time and Frequency Domains Analyses. <i>Particulate Science and Technology</i> , 2014 , 32, 498-505	2	11
54	Measurement Techniques to Monitor and Control Fluidization Quality in Fluidized Bed Dryers: A Review. <i>Drying Technology</i> , 2014 , 32, 1005-1051	2.6	42
53	Catalytic hydrothermal treatment of pharmaceutical wastewater using sub- and supercritical water reactions. <i>Journal of Supercritical Fluids</i> , 2014 , 95, 265-272	4.2	15
52	Wall vibration for characterizing fluidization hydrodynamics. <i>Canadian Journal of Chemical Engineering</i> , 2014 , 92, 1783-1790	2.3	4
51	Characterization of the bubbling fluidization of nanoparticles. <i>Particuology</i> , 2014 , 16, 75-83	2.8	19
50	Selection of minimal length of line in recurrence quantification analysis. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2014 , 395, 112-120	3.3	14
49	New Fuzzy Model for Risk Assessment Based on Different Types of Consequences. <i>Oil and Gas Science and Technology</i> , 2014 ,	1.9	1
48	Detecting Sudden Changes in Fluidization by Wall Vibration. <i>Particulate Science and Technology</i> , 2014 , 32, 412-417	2	2
47	Study of transition velocity from bubbling to turbulent fluidisation by recurrence plots analysis on pressure fluctuations. <i>Canadian Journal of Chemical Engineering</i> , 2013 , 91, 368-375	2.3	18
46	Monitoring of fluidized beds hydrodynamics using recurrence quantification analysis. <i>AIChE Journal</i> , 2013 , 59, 399-406	3.6	19

45	Using S-statistic for investigating the effect of temperature on hydrodynamics of gas-solid fluidization. <i>Particuology</i> , 2013 , 11, 288-293	2.8	8
44	Understanding bubble hydrodynamics in bubble columns. <i>Experimental Thermal and Fluid Science</i> , 2013 , 45, 63-74	3	13
43	Characterization of various structures in gas-solid fluidized beds by recurrence quantification analysis. <i>Particuology</i> , 2013 , 11, 647-656	2.8	44
42	Solubility of amiodarone HCl in propylene glycol+ethanol, propylene glycol+water and their ternary solvent mixtures at 25 and 37°C. <i>Journal of Molecular Liquids</i> , 2013 , 186, 52-55	6	22
41	Dynamic characteristics of bubbling fluidization through recurrence rate analysis of pressure fluctuations. <i>Particuology</i> , 2013 , 11, 282-287	2.8	24
40	Experimental investigation on the hydrodynamics of a gas-liquid-solid fluidized bed using vibration signature and pressure fluctuation analyses. <i>International Journal of Heat and Fluid Flow</i> , 2013 , 42, 190-199	2.4	13
39	Frequency-based characterization of liquid-solid fluidized bed hydrodynamics using the analysis of vibration signature and pressure fluctuations. <i>Powder Technology</i> , 2013 , 235, 787-796	5.2	16
38	Numerical investigation of effect of electrostatic forces on the hydrodynamics of gas-solid fluidized beds. <i>Powder Technology</i> , 2013 , 246, 16-25	5.2	47
37	A novel approach for simultaneous hydrodynamic characterization of gas-liquid and gas-solid systems. <i>Chemical Engineering Science</i> , 2013 , 100, 74-82	4.4	12
36	Effect of internal tubes on the flow structures in gas-solid fluidized beds. <i>Journal of Physics: Conference Series</i> , 2013 , 423, 012025	0.3	1
35	Frequency Domain Analysis of Fluidized Beds with Vibration Time Series of the Bed Wall. <i>Applied Mechanics and Materials</i> , 2013 , 391, 477-481	0.3	
34	Hydrodynamic Characterization of Bubbling Fluidization by Principal Component Analysis of Pressure Fluctuations. <i>Particulate Science and Technology</i> , 2013 , 31, 51-57	2	5
33	Predicting Transition Velocities from Bubbling to Turbulent Fluidization by S-Statistics on Vibration Signals. <i>Particulate Science and Technology</i> , 2013 , 31, 10-15	2	10
32	Vibration time series analysis of bubbling and turbulent fluidization. <i>Particuology</i> , 2012 , 10, 292-297	2.8	14
31	A new method for validation of a CFD-DEM model of gas-solid fluidized bed. <i>International Journal of Multiphase Flow</i> , 2012 , 47, 133-140	3.6	7
30	Solubility of 2-Butyl-3-benzofuranyl 4-(2-(Diethylamino)ethoxy)-3,5-diiodophenyl Ketone Hydrochloride (Amiodarone HCl) in Ethanol + Water and N-Methyl-2-pyrrolidone + Water Mixtures at Various Temperatures. <i>Journal of Chemical & Engineering Data</i> , 2012 , 57, 1544-1550	2.8	62
29	Using particle trajectory for determining the fluidization regime in gas-solid fluidized beds. <i>Advanced Powder Technology</i> , 2012 , 23, 349-351	4.6	12
28	Investigating the hydrodynamics of gas-solid bubbling fluidization using recurrence plot. <i>Advanced Powder Technology</i> , 2012 , 23, 380-386	4.6	33

27	Adsorption of caesium from aqueous solution using cerium molybdate/PAN composite. <i>Chemistry and Ecology</i> , 2012 , 28, 169-185	2.3	12
26	Characterization of Regime Transition in Fluidized Beds at High Velocities by Analysis of Vibration Signals. <i>Industrial & Engineering Chemistry Research</i> , 2012 , 51, 2855-2863	3.9	11
25	Hydrodynamic characterisation of liquid-solid two-phase fluidised beds: Vibration signature and pressure fluctuations analyses. <i>Canadian Journal of Chemical Engineering</i> , 2012 , 90, 1646-1653	2.3	13
24	Evaluation of AMP/PAN composite for adsorption of Cs ⁺ ions from aqueous solution using batch and fixed bed operations. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2012 , 292, 609-617	1.5	23
23	Conditional monitoring of moisture content in a fluidized bed dryer by the acoustic emission signature. <i>Korean Journal of Chemical Engineering</i> , 2012 , 29, 595-600	2.8	8
22	Nonlinear Dynamic Characteristics of Bubbling Fluidization 2012 , 300-331		4
21	Uncertainty propagation in condensate stabilization column. <i>Computer Aided Chemical Engineering</i> , 2012 , 31, 115-119	0.6	
20	Evaluating the Probabilities of Fluidization Regimes. <i>Industrial & Engineering Chemistry Research</i> , 2011 , 50, 4245-4251	3.9	9
19	Nonlinear dynamics of a gas-solid fluidized bed by the state space analysis. <i>Chemical Engineering Science</i> , 2011 , 66, 4645-4653	4.4	8
18	Adsorption of cesium on copper hexacyanoferrate/PAN composite ion exchanger from aqueous solution. <i>Chemical Engineering Journal</i> , 2011 , 172, 572-580	14.7	169
17	Characterization of gas-solid fluidized bed hydrodynamics by vibration signature analysis. <i>International Journal of Multiphase Flow</i> , 2011 , 37, 788-793	3.6	34
16	Monitoring the Moisture Content of Solids in Fluidized Bed Dryers by Analysis of Pressure Fluctuations. <i>Drying Technology</i> , 2011 , 29, 1697-1704	2.6	9
15	Validation of a DEM Modeling of Gas-Solid Fluidized Bed using the S-statistic in the State-Space Domain. <i>International Journal of Multiphysics</i> , 2011 , 5, 79-88	0.6	
14	The impact of source or sink limitations on yield formation of winter wheat (<i>Triticum aestivum</i> L.) due to post-anthesis water and nitrogen deficiencies. <i>Plant, Soil and Environment</i> , 2010 , 56, 218-227	2.2	18
13	The impact of source restriction on yield formation of corn (<i>Zea mays</i> L.) due to water deficiency. <i>Plant, Soil and Environment</i> , 2010 , 56, 476-481	2.2	9
12	Adsorption characteristic of ¹³⁷ Cs from aqueous solution using PAN-based sodium titanate composite. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2010 , 284, 461-469	1.5	42
11	Insights in hydrodynamics of bubbling fluidized beds at elevated pressure by DEM-CFD approach. <i>Particuology</i> , 2010 , 8, 407-414	2.8	29
10	Probabilistic Approach to Particle-Wall Contact Time in Fluidized Beds. <i>Journal of Heat Transfer</i> , 2009 , 131,	1.8	7

9	Nonintrusive characterization of fluidized bed hydrodynamics using vibration signature analysis. <i>AIChE Journal</i> , 2009 , 56, NA-NA	3.6	3
8	Determination of hydrodynamic behavior of gas-solid fluidized beds using statistical analysis of acoustic emissions. <i>International Journal of Multiphase Flow</i> , 2009 , 35, 1011-1016	3.6	27
7	Nonlinear Characterization of Pressure Fluctuations in Fluidized Beds. <i>Industrial & Engineering Chemistry Research</i> , 2008 , 47, 9497-9507	3.9	39
6	Analysis and modeling of particle-wall contact time in gas fluidized beds. <i>Chemical Engineering Science</i> , 2007 , 62, 4573-4578	4.4	12
5	Evaluation of heat transfer coefficient in gas-solid fluidized beds using cluster-based approach. <i>Powder Technology</i> , 2007 , 172, 19-26	5.2	30
4	EFFECTS OF DIFFERENT HORMONE TREATMENTS ON NONEMBRYOGENIC AND EMBRYOGENIC CALLUS INDUCTION AND TIME-TERM ENZYME TREATMENTS ON NUMBER AND VIABILITY OF ISOLATED PROTOPLASTS IN SAFFRON (<i>CROCUS SATIVUS L.</i>). <i>Acta Horticulturae</i> , 2007 , 279-284	0.3	7
3	Enhanced visible-light photocatalytic CO ₂ reduction over direct Z-scheme heterojunction Cu/P co-doped g-C ₃ N ₄ @TiO ₂ photocatalyst. <i>Chemical Papers</i> , 1	1.9	1
2	Thermo-mechanical stability of axially graded Rayleigh pipes. <i>Mechanics Based Design of Structures and Machines</i> , 1-30	1.7	26
1	Experimental methods in chemical engineering: Optical fibre probes in multiphase systems. <i>Canadian Journal of Chemical Engineering</i> ,	2.3	