

# Navid Mostoufi

## 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.

218  
papers

3,651  
citations

33  
h-index

47  
g-index

227  
ext. papers

4,195  
ext. citations

3.7  
avg, IF

5.72  
L-index

#	Paper	IF	Citations
218	Vibrational analysis of pipes based on the drift-flux two-phase flow model. <i>Ocean Engineering</i> , <b>2022</b> , 249, 110917	3.9	5
217	Studying the effect of direction and strength of magnetic field on fluidization of nanoparticles by recurrence analysis. <i>Advanced Powder Technology</i> , <b>2022</b> , 33, 103561	4.6	
216	Mixing assessment of an industrial anaerobic digestion reactor using CFD. <i>Renewable Energy</i> , <b>2022</b> , 192, 537-549	8.1	
215	Monitoring of the bubble columns hydrodynamics by recurrence quantification data analysis. <i>Chemical Engineering Research and Design</i> , <b>2021</b> , 171, 100-110	5.5	0
214	Charge transfer and bipolar charging of particles in a bubbling fluidized bed. <i>Particuology</i> , <b>2021</b> , 54, 109-115	1.85	1
213	Revisiting classification of powders based on interparticle forces. <i>Chemical Engineering Science</i> , <b>2021</b> , 229, 116029	4.4	4
212	Numerical investigation of agglomeration phenomenon in fluidized beds by a combined CFD-DEM/PBM technique. <i>Engineering Computations</i> , <b>2021</b> , 38, 1303-1329	1.4	1
211	The impact of clearance on mixing time for interface-added substrate. <i>Bioprocess and Biosystems Engineering</i> , <b>2021</b> , 44, 701-711	3.7	0
210	Unsupervised Monitoring of Flocculation Processes based on Recurrence Theory. <i>Computer Aided Chemical Engineering</i> , <b>2021</b> , 50, 1389-1394	0.6	
209	Data-Driven Fault Diagnosis of Chemical Processes Based on Recurrence Plots. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2021</b> , 60, 3038-3055	3.9	6
208	CFD-DEM simulation of wall sheeting and particles charge in fluidized beds. <i>Canadian Journal of Chemical Engineering</i> , <b>2021</b> , 99, 1582-1594	2.3	1
207	Joint recurrence based root cause analysis of nonlinear multivariate chemical processes. <i>Journal of Process Control</i> , <b>2021</b> , 103, 19-33	3.9	1
206	Investigating the hydrodynamics of vibro-fluidized bed of hydrophilic titanium nanoparticles. <i>Chemical Engineering Research and Design</i> , <b>2021</b> , 174, 486-497	5.5	1
205	Hybrid fuzzy-GMC control of gas-phase propylene copolymerization in fluidized bed reactors. <i>Chemical Engineering Journal Advances</i> , <b>2021</b> , 8, 100161	3.6	0
204	Fault diagnosis of chemical processes based on joint recurrence quantification analysis. <i>Computers and Chemical Engineering</i> , <b>2021</b> , 155, 107549	4	2
203	Investigating bubble dynamics in a semi-cylindrical gas-solid fluidized bed. <i>Powder Technology</i> , <b>2020</b> , 370, 129-136	5.2	3
202	Investigating the bubble dynamics in fluidized bed by CFD-DEM. <i>Powder Technology</i> , <b>2020</b> , 366, 938-948	5.2	11

201	Review and implementation of CFD-DEM applied to chemical process systems. <i>Chemical Engineering Science</i> , <b>2020</b> , 221, 115646	4.4	48
200	Multiscale characterization of nanoparticles in a magnetically assisted fluidized bed. <i>Particuology</i> , <b>2020</b> , 51, 64-71	2.8	8
199	Effect of electrostatic charge of particles on hydrodynamics of gas-solid fluidized beds. <i>Advanced Powder Technology</i> , <b>2019</b> , 30, 815-828	4.6	4
198	Effect of operation conditions on coating of pharmaceutical pellets with a film of HPMC/PEG in a Wurster coater. <i>Powder Technology</i> , <b>2019</b> , 354, 804-814	5.2	1
197	Fluidization of electrically charged particles. <i>Journal of Electrostatics</i> , <b>2019</b> , 99, 9-18	1.7	2
196	Dynamics of two-phase flow in vertical pipes. <i>Journal of Fluids and Structures</i> , <b>2019</b> , 87, 150-173	3.1	40
195	Investigating the flow structures in semi-cylindrical bubbling fluidized bed using pressure fluctuation signals. <i>Advanced Powder Technology</i> , <b>2019</b> , 30, 1247-1256	4.6	7
194	Development of a PAT tool for monitoring the Wurster coater performance. <i>International Journal of Pharmaceutics</i> , <b>2019</b> , 561, 171-186	6.5	3
193	Soft sensor design and fault detection using Bayesian network and probabilistic principal component analysis. <i>Journal of Advanced Manufacturing and Processing</i> , <b>2019</b> , 1,	2.7	3
192	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> , <b>2019</b> , 152, 348-362	5.5	6
191	Kinetics of leaching: a review. <i>Reviews in Chemical Engineering</i> , <b>2019</b> ,	5	14
190	Simulation of granular mixing in a static mixer by the discrete element method. <i>Powder Technology</i> , <b>2019</b> , 346, 171-179	5.2	15
189	Uncertainty in chemical process systems engineering: a critical review. <i>Reviews in Chemical Engineering</i> , <b>2019</b> ,	5	5
188	Detecting stability of conical spouted beds based on information entropy theory. <i>Powder Technology</i> , <b>2019</b> , 343, 185-193	5.2	9
187	A hybrid deterministic-stochastic model for spouted beds. <i>Particuology</i> , <b>2019</b> , 42, 104-113	2.8	4
186	Computational modeling of the electrostatic charge build-up in fluidized beds. <i>Journal of Electrostatics</i> , <b>2019</b> , 97, 108-120	1.7	2
185	On the stability of Wurster fluid bed of pharmaceutical pellets. <i>Particuology</i> , <b>2019</b> , 45, 81-90	2.8	5
184	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> , <b>2019</b> , 17,	1.2	2

183	Investigating bubble dynamics in a bubble column containing shear thinning liquid using a dual-tip probe. <i>Experimental Thermal and Fluid Science</i> , <b>2018</b> , 94, 34-48	3	7
182	Effect of temperature on fluidization of hydrophilic and hydrophobic nanoparticle agglomerates. <i>Experimental Thermal and Fluid Science</i> , <b>2018</b> , 96, 63-74	3	11
181	Fuzzy-GMC Control of Gas-Phase Propylene Copolymerization in Fluidized Bed Reactor. <i>MATEC Web of Conferences</i> , <b>2018</b> , 156, 07002	0.3	0
180	Characterization of hydrodynamics of bubble columns by recurrence quantification analysis. <i>Chaos, Solitons and Fractals</i> , <b>2018</b> , 111, 213-226	9.3	4
179	A new correlation for minimum spouting velocity for conical spouted beds operating with high density particles. <i>Experimental Thermal and Fluid Science</i> , <b>2018</b> , 96, 358-370	3	13
178	Medicinal stability of vitamin C coated with TiO <sub>2</sub> by ALD. <i>Particulate Science and Technology</i> , <b>2018</b> , 36, 727-733	2	1
177	Hydrodynamic design of multi-zone circulating reactors using CFD. <i>Canadian Journal of Chemical Engineering</i> , <b>2018</b> , 96, 670-678	2.3	2
176	Characterization of flow properties of pharmaceutical pellets in draft tube conical spout-fluid beds. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2018</b> , 68, 274-281	6.3	6
175	Recognition of Particle Size Changes in Fluidized Beds by Recurrence and Cross Recurrence Quantification Analyses. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2018</b> , 57, 11778-11784	3.9	5
174	Fluidization characterization of nano-powders in the presence of electrical field. <i>Canadian Journal of Chemical Engineering</i> , <b>2018</b> , 96, 1109-1115	2.3	3
173	Hybrid Model Based Control of Propylene Copolymerization in Fluidized Bed Reactor. <i>Computer Aided Chemical Engineering</i> , <b>2018</b> , 44, 751-756	0.6	1
172	Enhancing the fluidization quality of nanoparticles using external fields. <i>Advanced Powder Technology</i> , <b>2018</b> , 29, 3145-3154	4.6	7
171	Monitoring of liquid sprayed conical spouted beds by recurrence plots. <i>Powder Technology</i> , <b>2017</b> , 316, 148-156	5.2	12
170	Investigating the effect of channel geometry on selective catalytic reduction of NO <sub>x</sub> in monolith reactors. <i>Chemical Engineering Research and Design</i> , <b>2017</b> , 118, 21-30	5.5	16
169	Investigating the hydrodynamics of high temperature fluidized bed by recurrence plot. <i>Experimental Thermal and Fluid Science</i> , <b>2017</b> , 83, 88-99	3	8
168	Investigation of hydrodynamics of gas-solid fluidized beds using cross recurrence quantification analysis. <i>Advanced Powder Technology</i> , <b>2017</b> , 28, 1237-1248	4.6	16
167	Measurement of bubble size distribution in activated sludge bubble column bioreactor. <i>Biochemical Engineering Journal</i> , <b>2017</b> , 125, 212-220	4.2	17
166	Effect of distributor on fluidized bed hydrodynamics. <i>Canadian Journal of Chemical Engineering</i> , <b>2017</b> , 95, 2221-2234	2.3	16

165	Performance evaluation of different approaches for early detection of defluidization. <i>Powder Technology</i> , <b>2017</b> , 316, 139-147	5.2	6
164	Hydrodynamics of slot-rectangular spouted beds: Process intensification. <i>Chemical Engineering Research and Design</i> , <b>2017</b> , 121, 315-328	5.5	25
163	New hybrid CPU-GPU solver for CFD-DEM simulation of fluidized beds. <i>Powder Technology</i> , <b>2017</b> , 316, 233-244	5.2	30
162	Effect of changes in particle size on the hydrodynamics of gas-solid fluidized beds through wall vibration. <i>Powder Technology</i> , <b>2017</b> , 307, 129-136	5.2	8
161	CFD-DEM Simulation of a Conical Spouted Bed Operating with High Density Particles. <i>Springer Proceedings in Physics</i> , <b>2017</b> , 947-955	0.2	2
160	Fluidization of Nanoparticle Agglomerates at Elevated Temperatures. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2017</b> , 56, 13955-13969	3.9	5
159	Effective coating of titania nanoparticles with alumina via atomic layer deposition. <i>Applied Surface Science</i> , <b>2017</b> , 426, 480-496	6.7	17
158	Dynamic analysis of the scale-up of fluidized beds. <i>Advanced Powder Technology</i> , <b>2017</b> , 28, 2621-2629	4.6	8
157	Granular mixing in nauta blenders. <i>Powder Technology</i> , <b>2017</b> , 305, 279-288	5.2	27
156	Fault diagnosis of chemical processes with incomplete observations: A comparative study. <i>Computers and Chemical Engineering</i> , <b>2016</b> , 84, 104-116	4	36
155	Comparative simulation of a fluidised bed reformer using industrial process simulators. <i>International Journal of Sustainable Energy</i> , <b>2016</b> , 35, 664-674	2.7	4
154	Interparticle Forces and External Fields <b>2016</b> , 372-411		
153	DEM Implementation <b>2016</b> , 68-151		
152	Non-Spherical Particles <b>2016</b> , 152-188		
151	DEM Applications to Granular Flows <b>2016</b> , 189-256		
150	CFD-DEM Applications to Multiphase Flow <b>2016</b> , 341-371		1
149	Optimization and dissolution kinetics of vanadium recovery from LD converter slag in alkaline media. <i>Russian Journal of Non-Ferrous Metals</i> , <b>2016</b> , 57, 395-404	0.8	4
148	Non-intrusive characterization of particle size changes in fluidized beds using recurrence plots. <i>AIChE Journal</i> , <b>2016</b> , 62, 3547-3561	3.6	17

147	Early Detection of Agglomeration in Conical Spouted Beds Using Recurrence Plots. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2016</b> , 55, 7179-7190	3.9	10
146	Size of nanoparticle agglomerates in fluidization. <i>Canadian Journal of Chemical Engineering</i> , <b>2016</b> , 94, 476-484	2.3	13
145	Experimental investigating the effect of bed geometry on solids mixing in fluidized beds. <i>Particulate Science and Technology</i> , <b>2016</b> , 34, 127-133	2	3
144	Investigation of Hydrodynamics of High-Temperature Fluidized Beds by Pressure Fluctuations. <i>Chemical Engineering and Technology</i> , <b>2016</b> , 39, 1527-1536	2	8
143	CFD-DEM Formulation and Coupling <b>2016</b> , 257-340		2
142	Fusion of micro-macro data for fault diagnosis of a sweetening unit using Bayesian network. <i>Chemical Engineering Research and Design</i> , <b>2016</b> , 115, 325-334	5.5	5
141	DEM Formulation <b>2016</b> , 15-67		
140	Fault diagnosis of chemical processes considering fault frequency via Bayesian network. <i>Canadian Journal of Chemical Engineering</i> , <b>2016</b> , 94, 2315-2325	2.3	16
139	<b>2016</b> ,		56
138	Sustained release coating of ibuprofen pellets at Wurster fluidization: statistical approach. <i>Journal of Pharmaceutical Investigation</i> , <b>2015</b> , 45, 341-347	6.3	1
137	Insights into the granular flow in rotating drums. <i>Chemical Engineering Research and Design</i> , <b>2015</b> , 102, 12-25	5.5	36
136	Early detection of agglomeration in a polyethylene fluidized bed at high temperature and pressure by vibration signature analysis. <i>Chemical Engineering Research and Design</i> , <b>2015</b> , 104, 156-163	5.5	11
135	Investigating the effect of sparger configuration on the hydrodynamics of a full-scale membrane bioreactor using computational fluid dynamics. <i>RSC Advances</i> , <b>2015</b> , 5, 105218-105226	3.7	4
134	Modified two-phase model with hybrid control for gas phase propylene copolymerization in fluidized bed reactors. <i>Chemical Engineering Journal</i> , <b>2015</b> , 264, 706-719	14.7	19
133	Characterization of fluidized beds hydrodynamics by recurrence quantification analysis and wavelet transform. <i>International Journal of Multiphase Flow</i> , <b>2015</b> , 69, 31-41	3.6	41
132	Flow structure characterization in conical spouted beds using pressure fluctuation signals. <i>Powder Technology</i> , <b>2015</b> , 269, 392-400	5.2	27
131	Numerical comparison of gas-liquid bubble columns and gas-solid fluidized beds. <i>Canadian Journal of Chemical Engineering</i> , <b>2015</b> , 93, 1838-1848	2.3	8
130	Sequential Modeling of Heavy Liquid Fuel Combustion in a Fluidized Bed. <i>Chemical Engineering and Technology</i> , <b>2015</b> , 38, 1853-1864	2	2

129	An improved model for determining fractal structure of nano-agglomerates. <i>Canadian Journal of Chemical Engineering</i> , <b>2015</b> , 93, 1753-1759	2.3	9
128	Multi-scale analysis of flow structures in fluidized beds with immersed tubes. <i>Particuology</i> , <b>2015</b> , 21, 99-106	2.8	11
127	A solids mixing rate correlation for small scale fluidized beds. <i>Particuology</i> , <b>2015</b> , 21, 55-64	2.8	12
126	CFD simulation of fluidized bed reactors for polyolefin production [A review]. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2014</b> , 20, 3919-3946	6.3	83
125	Effect of Temperature on Fluidization Regimes. <i>Chemical Engineering and Technology</i> , <b>2014</b> , 37, 1593-1599		7
124	Measurement Techniques to Monitor and Control Fluidization Quality in Fluidized Bed Dryers: A Review. <i>Drying Technology</i> , <b>2014</b> , 32, 1005-1051	2.6	42
123	Wall vibration for characterizing fluidization hydrodynamics. <i>Canadian Journal of Chemical Engineering</i> , <b>2014</b> , 92, 1783-1790	2.3	4
122	Experimental and Modeling Analysis of Propylene Polymerization in a Pilot-Scale Fluidized Bed Reactor. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2014</b> , 53, 8694-8705	3.9	27
121	Characterization of the bubbling fluidization of nanoparticles. <i>Particuology</i> , <b>2014</b> , 16, 75-83	2.8	19
120	ECONOMIC DESIGN AND OPTIMIZATION OF ZEOLITE-BASED CUMENE PRODUCTION PLANT. <i>Chemical Engineering Communications</i> , <b>2014</b> , 201, 1270-1293	2.2	3
119	Selection of minimal length of line in recurrence quantification analysis. <i>Physica A: Statistical Mechanics and Its Applications</i> , <b>2014</b> , 395, 112-120	3.3	14
118	Evaluating Performance of Honey Bee Mating Optimization. <i>Journal of Optimization Theory and Applications</i> , <b>2014</b> , 160, 1020-1026	1.6	5
117	Hydrodynamics of an Airlift Bioreactor Treating Petroleum-based Liquids: Experiment and CFDM. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , <b>2014</b> , 36, 1296-1304	1.6	2
116	Detecting Sudden Changes in Fluidization by Wall Vibration. <i>Particulate Science and Technology</i> , <b>2014</b> , 32, 412-417	2	2
115	Reduction of membrane fouling by innovative method (injection of air jet). <i>Journal of Environmental Health Science &amp; Engineering</i> , <b>2014</b> , 12, 128	2.9	5
114	Experimental study of the VOC emitted from crude oil tankers. <i>Chemical Engineering Research and Design</i> , <b>2014</b> , 92, 929-937	5.5	25
113	Experimental investigation of cluster properties in dense gas-solid fluidized beds of different diameters. <i>Particuology</i> , <b>2014</b> , 16, 69-74	2.8	20
112	Investigating agglomeration phenomena in an air-polyethylene fluidized bed using DEM-CFD approach. <i>Chemical Engineering Research and Design</i> , <b>2014</b> , 92, 102-118	5.5	18



111	Study of transition velocity from bubbling to turbulent fluidisation by recurrence plots analysis on pressure fluctuations. <i>Canadian Journal of Chemical Engineering</i> , <b>2013</b> , 91, 368-375	2.3	18
110	A mechanistic study of agglomeration in fluidised beds at elevated pressures. <i>Canadian Journal of Chemical Engineering</i> , <b>2013</b> , 91, 560-569	2.3	9
109	Modelling and optimisation of continuous catalytic regeneration process using bee colony algorithm. <i>Canadian Journal of Chemical Engineering</i> , <b>2013</b> , 91, 1256-1269	2.3	5
108	Application of Honey-Bee Mating Optimization to Naphtha Reforming Reactor. <i>International Journal of Chemical Reactor Engineering</i> , <b>2013</b> , 11, 293-308	1.2	1
107	The role of the hydrogen bond in dense nanoparticle-gas suspensions. <i>Physical Chemistry Chemical Physics</i> , <b>2013</b> , 15, 5788-93	3.6	49
106	Experimental Study and Computational Fluid Dynamics Simulation of a Full-Scale Membrane Bioreactor for Municipal Wastewater Treatment Application. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2013</b> , 52, 9930-9939	3.9	27
105	Using S-statistic for investigating the effect of temperature on hydrodynamics of gas-solid fluidization. <i>Particuology</i> , <b>2013</b> , 11, 288-293	2.8	8
104	Dynamics and Predictive Control of Gas Phase Propylene Polymerization in Fluidized Bed Reactors. <i>Chinese Journal of Chemical Engineering</i> , <b>2013</b> , 21, 1015-1029	3.2	20
103	Understanding bubble hydrodynamics in bubble columns. <i>Experimental Thermal and Fluid Science</i> , <b>2013</b> , 45, 63-74	3	13
102	Characterization of various structures in gas-solid fluidized beds by recurrence quantification analysis. <i>Particuology</i> , <b>2013</b> , 11, 647-656	2.8	44
101	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> , <b>2013</b> , 42, 190-199	2.4	13
100	Frequency-based characterization of liquid-solid fluidized bed hydrodynamics using the analysis of vibration signature and pressure fluctuations. <i>Powder Technology</i> , <b>2013</b> , 235, 787-796	5.2	16
99	Numerical investigation of effect of electrostatic forces on the hydrodynamics of gas-solid fluidized beds. <i>Powder Technology</i> , <b>2013</b> , 246, 16-25	5.2	47
98	A novel approach for simultaneous hydrodynamic characterization of gas-liquid and gas-solid systems. <i>Chemical Engineering Science</i> , <b>2013</b> , 100, 74-82	4.4	12
97	Effect of internal tubes on the flow structures in gas-solid fluidized beds. <i>Journal of Physics: Conference Series</i> , <b>2013</b> , 423, 012025	0.3	1
96	Comprehensive study of regime transitions throughout a bubble column using resistivity probe. <i>Chemical Engineering Science</i> , <b>2013</b> , 100, 15-22	4.4	22
95	Cluster size distribution in the freeboard of a gas-solid fluidized bed. <i>Powder Technology</i> , <b>2013</b> , 246, 1-6	5.2	21
94	Frequency Domain Analysis of Fluidized Beds with Vibration Time Series of the Bed Wall. <i>Applied Mechanics and Materials</i> , <b>2013</b> , 391, 477-481	0.3	



93	Experimental Study and Modeling of Fouling in Immersed Membrane Bioreactor Operating in Constant Pressure Filtration. <i>Mathematical Problems in Engineering</i> , <b>2013</b> , 2013, 1-7	1.1	4
92	Effect of hydrodynamics on kinetics of gluconic acid enzymatic production in bubble column reactor. <i>Chemical Industry and Chemical Engineering Quarterly</i> , <b>2013</b> , 19, 411-422	0.7	4
91	Predicting Transition Velocities from Bubbling to Turbulent Fluidization by S-Statistics on Vibration Signals. <i>Particulate Science and Technology</i> , <b>2013</b> , 31, 10-15	2	10
90	The Hydrodynamics of a Bubble Column Bioreactor with Oil-based Liquids: Experiments and CFD Simulation. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , <b>2013</b> , 35, 2156-2165	1.6	2
89	Vibration time series analysis of bubbling and turbulent fluidization. <i>Particuology</i> , <b>2012</b> , 10, 292-297	2.8	14
88	Effect of fines on segregation of binary mixtures in gas-solid fluidized beds. <i>Powder Technology</i> , <b>2012</b> , 225, 7-20	5.2	30
87	A new method for validation of a CFD-DEM model of gas-solid fluidized bed. <i>International Journal of Multiphase Flow</i> , <b>2012</b> , 47, 133-140	3.6	7
86	Using particle trajectory for determining the fluidization regime in gas-solid fluidized beds. <i>Advanced Powder Technology</i> , <b>2012</b> , 23, 349-351	4.6	12
85	Investigating the hydrodynamics of gas-solid bubbling fluidization using recurrence plot. <i>Advanced Powder Technology</i> , <b>2012</b> , 23, 380-386	4.6	33
84	Improved Modeling of Bubble Column Reactors by Considering the Bubble Size Distribution. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2012</b> , 51, 5705-5714	3.9	13
83	Characterization of Regime Transition in Fluidized Beds at High Velocities by Analysis of Vibration Signals. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2012</b> , 51, 2855-2863	3.9	11
82	Modeling the Growth of Carbon Nanotubes in a Floating Catalyst Reactor. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2012</b> , 51, 1143-1149	3.9	14
81	Application of bee colony algorithm for optimization of CCR reforming process. <i>Computer Aided Chemical Engineering</i> , <b>2012</b> , 31, 620-624	0.6	
80	Coalescence efficiency of bubbles in bubble columns. <i>Canadian Journal of Chemical Engineering</i> , <b>2012</b> , 90, 1579-1587	2.3	6
79	Hydrodynamic characterisation of liquid-solid two-phase fluidised beds: Vibration signature and pressure fluctuations analyses. <i>Canadian Journal of Chemical Engineering</i> , <b>2012</b> , 90, 1646-1653	2.3	13
78	Conditional monitoring of moisture content in a fluidized bed dryer by the acoustic emission signature. <i>Korean Journal of Chemical Engineering</i> , <b>2012</b> , 29, 595-600	2.8	8
77	Two phase steady-state particle size distribution in a gas-phase fluidized bed ethylene polymerization reactor. <i>Chemical Engineering Science</i> , <b>2012</b> , 73, 1-7	4.4	15
76	Improved single phase modeling of propylene polymerization in a fluidized bed reactor. <i>Computers and Chemical Engineering</i> , <b>2012</b> , 36, 35-47	4	21

75	Kinetic Modeling of Carbon Nanotube Production and Minimization of Amorphous Carbon Overlayer Deposition in Floating Catalyst Method. <i>International Journal of Chemical Reactor Engineering</i> , <b>2012</b> , 10,	1.2	3
74	Optimization of Fluidized Bed Reactor of Oxidative Coupling of Methane. <i>International Journal of Chemical Reactor Engineering</i> , <b>2012</b> , 10, 1-21	1.2	1
73	Nonlinear Dynamic Characteristics of Bubbling Fluidization <b>2012</b> , 300-331		4
72	Uncertainty propagation in condensate stabilization column. <i>Computer Aided Chemical Engineering</i> , <b>2012</b> , 31, 115-119	0.6	
71	CFD-DEM Study of Temperature and Concentration Distribution in a Polyethylene Fluidized Bed Reactor. <i>Particulate Science and Technology</i> , <b>2011</b> , 29, 163-178	2	14
70	Evaluating the Probabilities of Fluidization Regimes. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2011</b> , 50, 4245-4251	3.9	9
69	Nonlinear dynamics of a gas-solid fluidized bed by the state space analysis. <i>Chemical Engineering Science</i> , <b>2011</b> , 66, 4645-4653	4.4	8
68	Kinetics of chemical leaching of chalcopyrite from low grade copper ore: behavior of different size fractions. <i>International Journal of Minerals, Metallurgy and Materials</i> , <b>2011</b> , 18, 638-645	3.1	16
67	Modeling of a multizone gas-phase polyethylene reactor with a cluster-based approach. <i>Journal of Applied Polymer Science</i> , <b>2011</b> , 122, 393-405	2.9	1
66	Dynamic modeling of gas phase propylene homopolymerization in fluidized bed reactors. <i>Chemical Engineering Science</i> , <b>2011</b> , 66, 1189-1199	4.4	32
65	Characterization of solids mixing patterns in bubbling fluidized beds. <i>Chemical Engineering Research and Design</i> , <b>2011</b> , 89, 817-826	5.5	65
64	Synergistic Effect of D2EHPA and Cyanex 272 on Separation of Zinc and Manganese by Solvent Extraction. <i>Separation Science and Technology</i> , <b>2011</b> , 46, 2305-2312	2.5	24
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44	Determination of hydrodynamic behavior of gas-solid fluidized beds using statistical analysis of acoustic emissions. <i>International Journal of Multiphase Flow</i> , <b>2009</b> , 35, 1011-1016	3.6	27
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