Reza Zarghami

List of Publications by Citations

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	Adsorption of cesium on copper hexacyanoferrate–PAN composite ion exchanger from aqueous solution. *Chemical Engineering Journal*, **2011**, 172, 572-580	14.7	169
151	Production of Nanocellulose and Its Applications in Drug Delivery: A Critical Review. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 15800-15827	8.3	85
150	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. *Journal of Chemical & Engineering Data*, **2012**, 57, 1544-1550	2.8	62
149	**2016**,		56
148	Review and implementation of CFD-DEM applied to chemical process systems. *Chemical Engineering Science*, **2020**, 221, 115646	4.4	48
147	Numerical investigation of effect of electrostatic forces on the hydrodynamics of gas–solid fluidized beds. *Powder Technology*, **2013**, 246, 16-25	5.2	47
146	Characterization of various structures in gas-solid fluidized beds by recurrence quantification analysis. *Particuology*, **2013**, 11, 647-656	2.8	44
145	Measurement Techniques to Monitor and Control Fluidization Quality in Fluidized Bed Dryers: A Review. *Drying Technology*, **2014**, 32, 1005-1051	2.6	42
144	Analytical approximate solutions for a general nonlinear resistor–nonlinear capacitor circuit model. *Applied Mathematical Modelling*, **2015**, 39, 6021-6031	4.5	42
143	Adsorption characteristic of 137Cs from aqueous solution using PAN-based sodium titanosilicate composite. *Journal of Radioanalytical and Nuclear Chemistry*, **2010**, 284, 461-469	1.5	42
142	Characterization of fluidized beds hydrodynamics by recurrence quantification analysis and wavelet transform. *International Journal of Multiphase Flow*, **2015**, 69, 31-41	3.6	41
141	Dynamics of two-phase flow in vertical pipes. *Journal of Fluids and Structures*, **2019**, 87, 150-173	3.1	40
140	Nonlinear Characterization of Pressure Fluctuations in Fluidized Beds. *Industrial & Engineering Chemistry Research*, **2008**, 47, 9497-9507	3.9	39
139	Fault diagnosis of chemical processes with incomplete observations: A comparative study. *Computers and Chemical Engineering*, **2016**, 84, 104-116	4	36
138	Insights into the granular flow in rotating drums. *Chemical Engineering Research and Design*, **2015**, 102, 12-25	5.5	36
137	Characterization of gas–solid fluidized bed hydrodynamics by vibration signature analysis. *International Journal of Multiphase Flow*, **2011**, 37, 788-793	3.6	34
136	Investigating the hydrodynamics of gas–solid bubbling fluidization using recurrence plot. *Advanced Powder Technology*, **2012**, 23, 380-386	4.6	33

135	A review on gravity flow of free-flowing granular solids in silos – Basics and practical aspects. *Chemical Engineering Science*, **2018**, 192, 1011-1035	4.4	32
134	New hybrid CPU-GPU solver for CFD-DEM simulation of fluidized beds. *Powder Technology*, **2017**, 316, 233-244	5.2	30
133	Evaluation of heat transfer coefficient in gas–solid fluidized beds using cluster-based approach. *Powder Technology*, **2007**, 172, 19-26	5.2	30
132	Insights in hydrodynamics of bubbling fluidized beds at elevated pressure by DEM–CFD approach. *Particuology*, **2010**, 8, 407-414	2.8	29
131	Granular mixing in nauta blenders. *Powder Technology*, **2017**, 305, 279-288	5.2	27
130	Determination of hydrodynamic behavior of gas–solid fluidized beds using statistical analysis of acoustic emissions. *International Journal of Multiphase Flow*, **2009**, 35, 1011-1016	3.6	27
129	Thermo-mechanical stability of axially graded Rayleigh pipes. *Mechanics Based Design of Structures and Machines*,1-30	1.7	26
128	Hydrodynamics of slot-rectangular spouted beds: Process intensification. *Chemical Engineering Research and Design*, **2017**, 121, 315-328	5.5	25
127	Dynamic characteristics of bubbling fluidization through recurrence rate analysis of pressure fluctuations. *Particuology*, **2013**, 11, 282-287	2.8	24
126	Evaluation of AMP–PAN composite for adsorption of Cs+ ions from aqueous solution using batch and fixed bed operations. *Journal of Radioanalytical and Nuclear Chemistry*, **2012**, 292, 609-617	1.5	23
125	Solubility of amiodarone HCl in propylene glycol+ethanol, propylene glycol+water and their ternary solvent mixtures at 25 and 37 °C. *Journal of Molecular Liquids*, **2013**, 186, 52-55	6	22
124	Characterization of the bubbling fluidization of nanoparticles. *Particuology*, **2014**, 16, 75-83	2.8	19
123	Monitoring of fluidized beds hydrodynamics using recurrence quantification analysis. *AICHE Journal* , **2013**, 59, 399-406	3.6	19
122	Chaos control in the cerium-catalyzed Belousov–Zhabotinsky reaction using recurrence quantification analysis measures. *Chaos, Solitons and Fractals*, **2015**, 76, 121-129	9.3	18
121	Study of transition velocity from bubbling to turbulent fluidisation by recurrence plots analysis on pressure fluctuations. *Canadian Journal of Chemical Engineering*, **2013**, 91, 368-375	2.3	18
120	Principles of viscous sintering in amorphous powders: A critical review. *Chemical Engineering Research and Design*, **2017**, 125, 328-347	5.5	18
119	The impact of source or sink limitations on yield formation of winter wheat (Triticum aestivum L.) due to post-anthesis water and nitrogen deficiencies. *Plant, Soil and Environment*, **2010**, 56, 218-227	2.2	18
118	Non-intrusive characterization of particle size changes in fluidized beds using recurrence plots. *AICHE Journal*, **2016**, 62, 3547-3561	3.6	17

117	Investigation of hydrodynamics of gas-solid fluidized beds using cross recurrence quantification analysis. *Advanced Powder Technology*, **2017**, 28, 1237-1248	4.6	16
116	Effect of distributor on fluidized bed hydrodynamics. *Canadian Journal of Chemical Engineering*, **2017**, 95, 2221-2234	2.3	16
115	Frequency-based characterization of liquid–solid fluidized bed hydrodynamics using the analysis of vibration signature and pressure fluctuations. *Powder Technology*, **2013**, 235, 787-796	5.2	16
114	Feedback control strategies for a cerium-catalyzed Belousov–Zhabotinsky chemical reaction system. *Canadian Journal of Chemical Engineering*, **2015**, 93, 1212-1221	2.3	16
113	Fault diagnosis of chemical processes considering fault frequency via Bayesian network. *Canadian Journal of Chemical Engineering*, **2016**, 94, 2315-2325	2.3	16
112	Catalytic hydrothermal treatment of pharmaceutical wastewater using sub- and supercritical water reactions. *Journal of Supercritical Fluids*, **2014**, 95, 265-272	4.2	15
111	Simulation of granular mixing in a static mixer by the discrete element method. *Powder Technology*, **2019**, 346, 171-179	5.2	15
110	Selection of minimal length of line in recurrence quantification analysis. *Physica A: Statistical Mechanics and Its Applications*, **2014**, 395, 112-120	3.3	14
109	Vibration time series analysis of bubbling and turbulent fluidization. *Particuology*, **2012**, 10, 292-297	2.8	14
108	A new correlation for minimum spouting velocity for conical spouted beds operating with high density particles. *Experimental Thermal and Fluid Science*, **2018**, 96, 358-370	3	13
107	Size of nanoparticle agglomerates in fluidization. *Canadian Journal of Chemical Engineering*, **2016**, 94, 476-484	2.3	13
106	Understanding bubble hydrodynamics in bubble columns. *Experimental Thermal and Fluid Science*, **2013**, 45, 63-74	3	13
105	Experimental investigation on the hydrodynamics of a gas–liquid–solid fluidized bed using vibration signature and pressure fluctuation analyses. *International Journal of Heat and Fluid Flow*, **2013**, 42, 190-199	2.4	13
104	Hydrodynamic characterisation of liquid–solid two-phase fluidised beds: Vibration signature and pressure fluctuations analyses. *Canadian Journal of Chemical Engineering*, **2012**, 90, 1646-1653	2.3	13
103	Monitoring of liquid sprayed conical spouted beds by recurrence plots. *Powder Technology*, **2017**, 316, 148-156	5.2	12
102	A novel approach for simultaneous hydrodynamic characterization of gas–liquid and gas–solid systems. *Chemical Engineering Science*, **2013**, 100, 74-82	4.4	12
101	Using particle trajectory for determining the fluidization regime in gas–solid fluidized beds. *Advanced Powder Technology*, **2012**, 23, 349-351	4.6	12
100	Adsorption of caesium from aqueous solution using cerium molybdate–tan composite. *Chemistry and Ecology*, **2012**, 28, 169-185	2.3	12

99	Analysis and modeling of particle–wall contact time in gas fluidized beds. *Chemical Engineering Science*, **2007**, 62, 4573-4578	4.4	12
98	Investigating the bubble dynamics in fluidized bed by CFD-DEM. *Powder Technology*, **2020**, 366, 938-948	5.2	11
97	Effect of temperature on fluidization of hydrophilic and hydrophobic nanoparticle agglomerates. *Experimental Thermal and Fluid Science*, **2018**, 96, 63-74	3	11
96	Dominant Flow Structures in Gas–Solid Fluidized Beds Using Time and Frequency Domains Analyses. *Particulate Science and Technology*, **2014**, 32, 498-505	2	11
95	Multi-scale analysis of flow structures in fluidized beds with immersed tubes. *Particuology*, **2015**, 21, 99-106	2.8	11
94	Characterization of Regime Transition in Fluidized Beds at High Velocities by Analysis of Vibration Signals. *Industrial & Engineering Chemistry Research*, **2012**, 51, 2855-2863	3.9	11
93	Predicting Transition Velocities from Bubbling to Turbulent Fluidization by S-Statistics on Vibration Signals. *Particulate Science and Technology*, **2013**, 31, 10-15	2	10
92	Adsorption modeling of CO2 in fluidized bed reactor. *Chemical Engineering Research and Design*, **2018**, 129, 111-121	5.5	10
91	An improved model for determining fractal structure of nano-agglomerates. *Canadian Journal of Chemical Engineering*, **2015**, 93, 1753-1759	2.3	9
90	Evaluating the Probabilities of Fluidization Regimes. *Industrial & Engineering Chemistry Research*, **2011**, 50, 4245-4251	3.9	9
89	The impact of source restriction on yield formation of corn (Zea mays L.) due to water deficiency. *Plant, Soil and Environment*, **2010**, 56, 476-481	2.2	9
88	Monitoring the Moisture Content of Solids in Fluidized Bed Dryers by Analysis of Pressure Fluctuations. *Drying Technology*, **2011**, 29, 1697-1704	2.6	9
87	Investigating the hydrodynamics of high temperature fluidized bed by recurrence plot. *Experimental Thermal and Fluid Science*, **2017**, 83, 88-99	3	8
86	Effect of changes in particle size on the hydrodynamics of gas-solid fluidized beds through wall vibration. *Powder Technology*, **2017**, 307, 129-136	5.2	8
85	Using S-statistic for investigating the effect of temperature on hydrodynamics of gas–solid fluidization. *Particuology*, **2013**, 11, 288-293	2.8	8
84	Dynamic analysis of the scale-up of fluidized beds. *Advanced Powder Technology*, **2017**, 28, 2621-2629	4.6	8
83	Numerical comparison of gas-liquid bubble columns and gas-solid fluidized beds. *Canadian Journal of Chemical Engineering*, **2015**, 93, 1838-1848	2.3	8
82	Conditional monitoring of moisture content in a fluidized bed dryer by the acoustic emission signature. *Korean Journal of Chemical Engineering*, **2012**, 29, 595-600	2.8	8

81	Nonlinear dynamics of a gas–solid fluidized bed by the state space analysis. *Chemical Engineering Science*, **2011**, 66, 4645-4653	4.4	8
80	Formation and Characterization of Beclomethasone Dipropionate Nanoparticles Using Rapid Expansion of Supercritical Solution. *Advanced Pharmaceutical Bulletin*, **2015**, 5, 343-9	4.5	8
79	Multiscale characterization of nanoparticles in a magnetically assisted fluidized bed. *Particuology*, **2020**, 51, 64-71	2.8	8
78	Investigation of Hydrodynamics of High-Temperature Fluidized Beds by Pressure Fluctuations. *Chemical Engineering and Technology*, **2016**, 39, 1527-1536	2	8
77	CFD-DEM modelling of particles attrition in jet-in-fluidized beds. *Chemical Engineering Research and Design*, **2019**, 148, 336-348	5.5	7
76	A new method for validation of a CFD–DEM model of gas–solid fluidized bed. *International Journal of Multiphase Flow*, **2012**, 47, 133-140	3.6	7
75	Probabilistic Approach to Particle-Wall Contact Time in Fluidized Beds. *Journal of Heat Transfer*, **2009**, 131,	1.8	7
74	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 (CROCUS SATIVUS L.). *Acta Horticulturae*, **2007**, 279-284	0.3	7
73	Experimental and DEM studies of velocity profiles and residence time distribution of non-spherical particles in silos. *Powder Technology*, **2020**, 373, 510-521	5.2	7
72	Enhancing the fluidization quality of nanoparticles using external fields. *Advanced Powder Technology*, **2018**, 29, 3145-3154	4.6	7
71	Analysis of Non-Isothermal Viscous Flow Coalescence at Micro Scale. *Canadian Journal of Chemical Engineering*, **2019**, 97, 2565-2572	2.3	6
70	Effects of the number of particles and coordination number on viscous-flow agglomerate sintering. *Particuology*, **2019**, 43, 76-83	2.8	6
69	Effect of interparticle force on gas dynamics in a bubbling gas–solid fluidized bed: A CFD-DEM study. *Chemical Engineering Research and Design*, **2019**, 152, 348-362	5.5	6
68	Mathematical modeling of cell growth in a 3D scaffold and validation of static and dynamic cultures. *Engineering in Life Sciences*, **2016**, 16, 290-298	3.4	6
67	5-Fluorouracil-loaded poly(vinyl alcohol)/chitosan blend nanofibers: morphology, drug release and cell culture studies. *Iranian Polymer Journal (English Edition)*, **2021**, 30, 167-177	2.3	6
66	Data-Driven Fault Diagnosis of Chemical Processes Based on Recurrence Plots. *Industrial & Engineering Chemistry Research*, **2021**, 60, 3038-3055	3.9	6
65	Fluidization of Nanoparticle Agglomerates at Elevated Temperatures. *Industrial & Engineering Chemistry Research*, **2017**, 56, 13955-13969	3.9	5
64	A novel and computationally efficient algorithm for stability analysis of multi input-multi output process control systems. *Korean Journal of Chemical Engineering*, **2015**, 32, 1733-1743	2.8	5

63	Dominant flow structures in gas□liquid□solid fluidized beds. *Canadian Journal of Chemical Engineering*, **2015**, 93, 942-950	2.3	5
62	Data-based fault detection in chemical processes: Managing records with operator intervention and uncertain labels. *Expert Systems With Applications*, **2016**, 63, 35-48	7.8	5
61	Recognition of Particle Size Changes in Fluidized Beds by Recurrence and Cross Recurrence Quantification Analyses. *Industrial & Engineering Chemistry Research*, **2018**, 57, 11778-11784	3.9	5
60	An improved model for estimating fractal structure of silica nano-agglomerates in a vibro-fluidized bed. *International Journal of Multiphysics*, **2015**, 9, 325-340	0.6	5
59	Hydrodynamic Characterization of Bubbling Fluidization by Principal Component Analysis of Pressure Fluctuations. *Particulate Science and Technology*, **2013**, 31, 51-57	2	5
58	Fusion of micro-macro data for fault diagnosis of a sweetening unit using Bayesian network. *Chemical Engineering Research and Design*, **2016**, 115, 325-334	5.5	5
57	Uncertainty in chemical process systems engineering: a critical review. *Reviews in Chemical Engineering*, **2019**,	5	5
56	Vibrational analysis of pipes based on the drift-flux two-phase flow model. *Ocean Engineering*, **2022** , 249, 110917	3.9	5
55	Effect of electrostatic charge of particles on hydrodynamics of gas-solid fluidized beds. *Advanced Powder Technology*, **2019**, 30, 815-828	4.6	4
54	Characterization of hydrodynamics of bubble columns by recurrence quantification analysis. *Chaos, Solitons and Fractals*, **2018**, 111, 213-226	9.3	4
53	Wall vibration for characterizing fluidization hydrodynamics. *Canadian Journal of Chemical Engineering*, **2014**, 92, 1783-1790	2.3	4
52	Nonlinear Dynamic Characteristics of Bubbling Fluidization **2012**, 300-331		4
51	CFD-DEM analysis of the spouted fluidized bed with non-spherical particles. *Canadian Journal of Chemical Engineering*, **2021**, 99, 2303	2.3	4
50	A hybrid deterministic□stochastic model for spouted beds. *Particuology*, **2019**, 42, 104-113	2.8	4
49	On the mixing characteristics of a poorly water soluble drug through microfluidic-assisted nanoprecipitation: Experimental and numerical study. *Canadian Journal of Chemical Engineering*, **2018**, 96, 1098-1108	2.3	4
48	Experimental investigation of bubble behavior in gas-solid fluidized bed. *Advanced Powder Technology*, **2020**, 31, 2680-2688	4.6	3
47	Soft sensor design and fault detection using Bayesian network and probabilistic principal component analysis. *Journal of Advanced Manufacturing and Processing*, **2019**, 1,	2.7	3
46	Nonintrusive characterization of fluidized bed hydrodynamics using vibration signature analysis. *AICHE Journal*, **2009**, 56, NA-NA	3.6	3

45	Fluidization characterization of nano-powders in the presence of electrical field. *Canadian Journal of Chemical Engineering*, **2018**, 96, 1109-1115	2.3	3
44	CFD-DEM Simulation of a Conical Spouted Bed Operating with High Density Particles. *Springer Proceedings in Physics*, **2017**, 947-955	0.2	2
43	Fluidization of electrically charged particles. *Journal of Electrostatics*, **2019**, 99, 9-18	1.7	2
42	Detecting Sudden Changes in Fluidization by Wall Vibration. *Particulate Science and Technology*, **2014**, 32, 412-417	2	2
41	Experimental study on the reduction of loratadine particle size through confined liquid impinging jets. *International Journal of Pharmaceutics*, **2020**, 587, 119668	6.5	2
40	On the drag force closures for multiphase flow modeling. *Chemical Product and Process Modeling*, **2020**,	1.1	2
39	CFD-DEM Formulation and Coupling **2016**, 257-340		2
38	Computational modeling of the electrostatic charge build-up in fluidized beds. *Journal of Electrostatics*, **2019**, 97, 108-120	1.7	2
37	Detection of Agglomeration by Analysis of Vibration Signatures in a Pilot-Scale Fluidized Bed Reactor of Propylene Polymerization. *International Journal of Chemical Reactor Engineering*, **2019**, 17,	1.2	2
36	Fault diagnosis of chemical processes based on joint recurrence quantification analysis. *Computers and Chemical Engineering*, **2021**, 155, 107549	4	2
35	Sustained release coating of ibuprofen pellets at Wurster fluidization: statistical approach. *Journal of Pharmaceutical Investigation*, **2015**, 45, 341-347	6.3	1
34	An Efficient Measure for Quantification of Nonlinearity in Chemical Engineering Processes Based on I/O Steady-State Loci. *Chemical Engineering Communications*, **2015**, 202, 1557-1563	2.2	1
33	Continuous nanoparticles production through a combination of a micro electro mechanical system and an electromagnetic resonator cavity. *Particulate Science and Technology*, **2018**, 36, 666-671	2	1
32	CFD-DEM Applications to Multiphase Flow **2016**, 341-371		1
31	Characterization of gas□liquid□solid fluidized beds by S statistics. *Particuology*, **2016**, 29, 135-142	2.8	1
30	Editorial Special Issue: Selected Extended Papers from the 12th International Conference on Membrane Science and Technology (MST2015) Symposium on Modeling and Simulation. *Chemical Product and Process Modeling*, **2016**, 11, 1-2	1.1	1
29	Investigating the Effect of Multiple Reference Frame Approach on the Modelling of an Oxidation Ditch. *International Journal of Environmental Research*, **2018**, 12, 429-437	2.9	1
28	New Fuzzy Model for Risk Assessment Based on Different Types of Consequences. *Oil and Gas Science and Technology*, **2014**,	1.9	1

27	Effect of internal tubes on the flow structures in gas-solid fluidized beds. *Journal of Physics: Conference Series*, **2013**, 423, 012025	0.3	1
26	Enhanced visible-light photocatalytic CO2 reduction over direct Z-scheme heterojunction Cu/P co-doped g-C3N4@TiO2 photocatalyst. *Chemical Papers*,1	1.9	1
25	Mixing of nanoparticle agglomerates in fluidization using CFD-DEM at ABF and APF regimes. *Chemical Engineering Research and Design*, **2021**, 169, 165-175	5.5	1
24	Hydrodynamics of bubbling fluidized bed for adsorption of CO2 with KOH/K2CO3. *Canadian Journal of Chemical Engineering*, **2019**, 97, 1317-1325	2.3	1
23	Charge transfer and bipolar charging of particles in a bubbling fluidized bed. *Particuology*, **2021**, 54, 109-115	2.8	1
22	Modeling methods for gravity flow of granular solids in silos. *Reviews in Chemical Engineering*, **2021**, 37, 449-479	5	1
21	CFD-DEM simulation of wall sheeting and particles charge in fluidized beds. *Canadian Journal of Chemical Engineering*, **2021**, 99, 1582-1594	2.3	1
20	Joint recurrence based root cause analysis of nonlinear multivariate chemical processes. *Journal of Process Control*, **2021**, 103, 19-33	3.9	1
19	Investigating the hydrodynamics of vibro-fluidized bed of hydrophilic titanium nanoparticles. *Chemical Engineering Research and Design*, **2021**, 174, 486-497	5.5	1
18	A novel heat exchanger design method using a delayed rejection adaptive metropolis hasting algorithm. *Applied Thermal Engineering*, **2018**, 137, 808-821	5.8	0
17	Oxygen diffusion in a spherical cell subject to nonlinear Michaelis-Menten kinetics: Mathematical analysis by two exact methods. *International Journal of Biomathematics*, **2017**, 10, 1750025	1.8	0
16	Modelling a Multiple Reference Frame Approach in an Oxidation Ditch of Activated Sludge Wastewater Treatment. *Lecture Notes in Civil Engineering*, **2017**, 713-717	0.3	0
15	Monitoring of the bubble columns hydrodynamics by recurrence quantification data analysis. *Chemical Engineering Research and Design*, **2021**, 171, 100-110	5.5	0
14	Interparticle Forces and External Fields **2016**, 372-411		
13	DEM Implementation **2016**, 68-151		
12	Non-Spherical Particles **2016**, 152-188		
11	DEM Applications to Granular Flows **2016**, 189-256		
10	Frequency Domain Analysis of Fluidized Beds with Vibration Time Series of the Bed Wall. *Applied Mechanics and Materials*, **2013**, 391, 477-481	0.3	

9	Editorial special section: selected extended papers from an International Conference on Energy and Environmental Technologies for Sustainable Development (CHEM-CONFLUX20). *Chemical Product and Process Modeling*, **2021**, 16, 67-68	1.1
8	Validation of a DEM Modeling of Gas-Solid Fluidized Bed using the S-statistic in the State-Space Domain. *International Journal of Multiphysics*, **2011**, 5, 79-88	0.6
7	Uncertainty propagation in condensate stabilization column. *Computer Aided Chemical Engineering*, **2012**, 31, 115-119	0.6
6	DEM Formulation **2016**, 15-67	
5	Unsupervised Monitoring of Flocculation Processes based on Recurrence Theory. *Computer Aided Chemical Engineering*, **2021**, 50, 1389-1394	0.6
4	Prediction of the characteristic time of powder caking in storage and test conditions: Experimental and modeling study. *Chemical Engineering Research and Design*, **2021**, 172, 226-234	5.5
3	Studying the effect of direction and strength of magnetic field on fluidization of nanoparticles by recurrence analysis. *Advanced Powder Technology*, **2022**, 33, 103561	4.6
2	Experimental methods in chemical engineering: Optical fibre probes in multiphase systems. *Canadian Journal of Chemical Engineering*,	2.3
1	Mixing assessment of an industrial anaerobic digestion reactor using CFD. *Renewable Energy*, **2022**, 192, 537-549	8.1