

# Vishnu K Pareek

## List of Publications by Year in descending order

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144  
papers

4,991  
citations

101384

36  
h-index

106150

65  
g-index

149  
all docs

149  
docs citations

149  
times ranked

6007  
citing authors

#	ARTICLE	IF	CITATIONS
1	Biomass pyrolysis—A review of modelling, process parameters and catalytic studies. <i>Renewable and Sustainable Energy Reviews</i> , 2015, 50, 1081-1096.	8.2	482
2	A review on photocatalysis for air treatment: From catalyst development to reactor design. <i>Chemical Engineering Journal</i> , 2017, 310, 537-559.	6.6	449
3	Synthesis of micro and nano-sized calcium carbonate particles and their applications. <i>Journal of Materials Chemistry A</i> , 2014, 2, 14270-14288.	5.2	295
4	From waste Coca Cola® to activated carbons with impressive capabilities for CO <sub>2</sub> adsorption and supercapacitors. <i>Carbon</i> , 2017, 116, 490-499.	5.4	188
5	A review on biomass pyrolysis models: Kinetic, network and mechanistic models. <i>Biomass and Bioenergy</i> , 2019, 123, 104-122.	2.9	183
6	A review of greywater characteristics and treatment processes. <i>Water Science and Technology</i> , 2013, 67, 1403-1424.	1.2	175
7	Synthesis and applications of porous non-silica metal oxide submicrospheres. <i>Chemical Society Reviews</i> , 2016, 45, 6013-6047.	18.7	147
8	Droplet impact dynamics on a spherical particle. <i>Chemical Engineering Science</i> , 2013, 100, 105-119.	1.9	122
9	Light intensity distribution in heterogenous photocatalytic reactors. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2008, 3, 171-201.	0.8	118
10	Artificial neural network modeling of a multiphase photodegradation system. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2002, 149, 139-146.	2.0	108
11	CFD simulation of solid—liquid stirred tanks. <i>Advanced Powder Technology</i> , 2012, 23, 445-453.	2.0	99
12	Some aspects of photocatalytic reactor modeling using computational fluid dynamics. <i>Chemical Engineering Science</i> , 2013, 101, 764-784.	1.9	91
13	Computational fluid dynamic (CFD) simulation of a pilot-scale annular bubble column photocatalytic reactor. <i>Chemical Engineering Science</i> , 2003, 58, 859-865.	1.9	71
14	On wetting characteristics of droplet on a spherical particle in film boiling regime. <i>Chemical Engineering Science</i> , 2016, 149, 181-203.	1.9	61
15	Hydrodynamics of an FCC riser using energy minimization multiscale drag model. <i>Chemical Engineering Journal</i> , 2011, 168, 812-821.	6.6	59
16	CFD simulation of solid—liquid stirred tanks for low to dense solid loading systems. <i>Particuology</i> , 2016, 29, 16-33.	2.0	58
17	Light intensity distribution in a photocatalytic reactor using finite volume. <i>AIChE Journal</i> , 2004, 50, 1273-1288.	1.8	57
18	Multi-fluid reactive modeling of fluidized bed pyrolysis process. <i>Chemical Engineering Science</i> , 2015, 123, 311-321.	1.9	57

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19	CFD modelling for a TiO <sub>2</sub> -coated glass-bead photoreactor irradiated by optical fibres: Photocatalytic degradation of oxalic acid. <i>Chemical Engineering Science</i> , 2009, 64, 1695-1706.	1.9	54
20	Structure and activity of strontium substituted LaCoO <sub>3</sub> perovskite catalysts for syngas conversion. <i>Journal of Molecular Catalysis A</i> , 2016, 416, 96-104.	4.8	53
21	Computational fluid dynamics analysis of liquefied natural gas dispersion for risk assessment strategies. <i>Journal of Loss Prevention in the Process Industries</i> , 2013, 26, 117-128.	1.7	50
22	Computational fluid dynamics simulation of LNG pool fire radiation for hazard analysis. <i>Journal of Loss Prevention in the Process Industries</i> , 2014, 29, 92-102.	1.7	49
23	Computational fluid dynamic modelling of FCC riser: A review. <i>Chemical Engineering Research and Design</i> , 2016, 111, 403-448.	2.7	49
24	CFD modeling of mixing/segregation behavior of biomass and biochar particles in a bubbling fluidized bed. <i>Chemical Engineering Science</i> , 2014, 106, 264-274.	1.9	47
25	A case study: Application of energy and exergy analysis for enhancing the process efficiency of a three stage propane pre-cooling cycle of the cascade LNG process. <i>Journal of Natural Gas Science and Engineering</i> , 2016, 29, 125-133.	2.1	46
26	Bubble generated turbulence and direct numerical simulations. <i>Chemical Engineering Science</i> , 2017, 157, 26-75.	1.9	45
27	Collision behaviour of a smaller particle into a larger stationary droplet. <i>Advanced Powder Technology</i> , 2015, 26, 280-295.	2.0	41
28	Bubbles in viscous liquids: Time dependent behaviour and wake characteristics. <i>Chemical Engineering Science</i> , 2016, 144, 298-309.	1.9	41
29	CFD simulation of a pilot scale slurry photocatalytic reactor and design of multiple-lamp reactors. <i>Chemical Engineering Science</i> , 2014, 111, 266-277.	1.9	40
30	A phenomenological model of the mechanisms of lignocellulosic biomass pyrolysis processes. <i>Computers and Chemical Engineering</i> , 2014, 60, 231-241.	2.0	40
31	Interactions in droplet and particle system of near unity size ratio. <i>Chemical Engineering Science</i> , 2017, 170, 154-175.	1.9	40
32	Interaction of bubbles rising inline in quiescent liquid. <i>Chemical Engineering Science</i> , 2017, 166, 1-10.	1.9	40
33	Extractive distillation for CO <sub>2</sub> -ethane azeotrope separation. <i>Chemical Engineering and Processing: Process Intensification</i> , 2012, 52, 155-161.	1.8	38
34	Planar SOFC system modelling and simulation including a 3D stack module. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 2919-2930.	3.8	38
35	Simulation of gas-solid flows in riser using energy minimization multiscale model: Effect of cluster diameter correlation. <i>Chemical Engineering Science</i> , 2011, 66, 3291-3300.	1.9	37
36	Influence of Microwaves on the Water Surface Tension. <i>Langmuir</i> , 2014, 30, 9875-9879.	1.6	37

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37	Effect of drag models on CFDâ€“DEM predictions of bubbling fluidized beds with Geldart D particles. Advanced Powder Technology, 2018, 29, 2658-2669.	2.0	36
38	The influence of corrosion inhibitors on hydrate formation temperature along the subsea natural gas pipelines. Journal of Petroleum Science and Engineering, 2014, 120, 239-252.	2.1	35
39	Effect of closure models on Eulerianâ€“Eulerian gasâ€“solid flow predictions in riser. Powder Technology, 2015, 269, 247-258.	2.1	35
40	Hazardous consequence dynamic simulation of LNG spill on water for ship-to-ship bunkering. Chemical Engineering Research and Design, 2017, 107, 402-413.	2.7	35
41	Effect of a cluster on gasâ€“solid drag from lattice Boltzmann simulations. Chemical Engineering Science, 2013, 102, 365-372.	1.9	33
42	Dry reforming of methane over Coâ€“Mo/Al <sub>2</sub> O <sub>3</sub> catalyst under low microwave power irradiation. Catalysis Science and Technology, 2018, 8, 5315-5324.	2.1	31
43	Selectivity enhancement for higher alcohol product in Fischer-Tropsch synthesis over nickel-substituted La <sub>0.9</sub> Sr <sub>0.1</sub> CoO <sub>3</sub> perovskite catalysts. Fuel, 2017, 206, 390-400.	3.4	30
44	Simulations of photodegradation of toluene and formaldehyde in a monolith reactor using computational fluid dynamics. AIChE Journal, 2011, 57, 724-734.	1.8	29
45	Dynamic simulation of hazard analysis of radiations from LNG pool fire. Journal of Loss Prevention in the Process Industries, 2015, 35, 200-210.	1.7	29
46	Dynamic study of frost formation on cryogenic surface. International Journal of Heat and Mass Transfer, 2020, 150, 119372.	2.5	29
47	Evaporation of a droplet on a heated spherical particle. Chemical Engineering Journal, 2015, 278, 309-319.	6.6	28
48	Two-Fluid Eulerian Simulation of Bubble Column Reactors with Distributors. Journal of Chemical Engineering of Japan, 2006, 39, 831-841.	0.3	26
49	Perovskite-derived trimetallic Co-Ni-Cu catalyst for higher alcohol synthesis from syngas. Fuel Processing Technology, 2019, 193, 141-148.	3.7	25
50	Multiphase flow simulation of a simplified coal pulveriser. Fuel Processing Technology, 2005, 86, 1195-1205.	3.7	24
51	Hollow micro/nanomaterials as nanoreactors for photocatalysis. APL Materials, 2013, 1, .	2.2	24
52	Lamp emission and quartz sleeve modelling in slurry photocatalytic reactors. Chemical Engineering Science, 2014, 111, 34-40.	1.9	22
53	CFD Simulations for Continuous Flow of Bubbles through Gas-Liquid Columns: Application of VOF Method. Chemical Product and Process Modeling, 2007, 2, .	0.5	20
54	Light intensity distribution in multi-lamp photocatalytic reactors. Chemical Engineering Science, 2013, 93, 11-21.	1.9	20

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55	Analysis of available data from liquefied natural gas rollover incidents to determine critical stability ratios. <i>AIChE Journal</i> , 2014, 60, 362-374.	1.8	20
56	Simultaneous estimation of states and inputs in a planar solid oxide fuel cell using nonlinear adaptive observer design. <i>Journal of Power Sources</i> , 2014, 248, 1218-1233.	4.0	20
57	Lupin seed $\hat{\imath}^3$ -conglutin: Extraction and purification methods - A review. <i>Trends in Food Science and Technology</i> , 2018, 73, 1-11.	7.8	20
58	Estimation of Bubble Properties in Bubbling Fluidized Bed Using ECVT Measurements. <i>Industrial &amp; Engineering Chemistry Research</i> , 2018, 57, 8319-8333.	1.8	20
59	Additively manufactured, highly-uniform flow distributor for process intensification. <i>Chemical Engineering and Processing: Process Intensification</i> , 2019, 143, 107595.	1.8	20
60	Particle residence time distribution (RTD) in three-phase annular bubble column reactor. <i>Chemical Engineering Science</i> , 2001, 56, 6063-6071.	1.9	19
61	Effect of Inlet Boundary Conditions on Computational Fluid Dynamics (CFD) Simulations of Gas-Solid Flows in Risers. <i>Industrial &amp; Engineering Chemistry Research</i> , 2012, 51, 1721-1728.	1.8	19
62	Highly Stable External Short-Circuit-Assisted Oxygen Ionic Transport Membrane Reactor for Carbon Dioxide Reduction Coupled with Methane Partial Oxidation. <i>Energy &amp; Fuels</i> , 2014, 28, 349-355.	2.5	19
63	Use of Pinch Concept To Optimize the Total Water Regeneration Network. <i>Industrial &amp; Engineering Chemistry Research</i> , 2014, 53, 3222-3235.	1.8	19
64	Kafirin adsorption on ion-exchange resins: Isotherm and kinetic studies. <i>Journal of Chromatography A</i> , 2014, 1356, 105-116.	1.8	18
65	Solid oxide fuel cell reactor analysis and optimisation through a novel multi-scale modelling strategy. <i>Computers and Chemical Engineering</i> , 2015, 78, 10-23.	2.0	18
66	Modeling of Cryogenic Liquefied Natural Gas Ambient Air Vaporizers. <i>Industrial &amp; Engineering Chemistry Research</i> , 2018, 57, 9281-9291.	1.8	18
67	Characteristics of energy production and dissipation around a bubble rising in water. <i>Chemical Engineering Science</i> , 2019, 193, 38-52.	1.9	18
68	A New Simplified Model for Light Scattering in Photocatalytic Reactors. <i>Industrial &amp; Engineering Chemistry Research</i> , 2003, 42, 26-36.	1.8	17
69	Photocatalytic Treatment of Shower Water Using a Pilot Scale Reactor. <i>International Journal of Photoenergy</i> , 2012, 2012, 1-7.	1.4	17
70	Synthesis of $\text{CaCO}_3$ @C yolk-shell particles for $\text{CO}_2$ adsorption. <i>RSC Advances</i> , 2015, 5, 24872-24876.	1.7	17
71	Evaporation of a suspended binary mixture droplet in a heated flowing gas stream. <i>Experimental Thermal and Fluid Science</i> , 2018, 91, 329-344.	1.5	17
72	Continuous Process for Photodegradation of Industrial Bayer Liquor. <i>Industrial &amp; Engineering Chemistry Research</i> , 2001, 40, 5120-5125.	1.8	16

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73	Organic-inorganic hybrid hierarchical aluminum phenylphosphonate microspheres. Journal of Colloid and Interface Science, 2014, 427, 35-41.	5.0	16
74	Comparison of vaporization models for feed droplet in fluid catalytic cracking risers. Chemical Engineering Research and Design, 2015, 101, 82-97.	2.7	16
75	Lowering greenhouse gas (GHG) emissions: techno-economic analysis of biomass conversion to biofuels and value-added chemicals. , 2019, 9, 454-473.		16
76	Modeling of a non-isothermal FCC riser. Chemical Engineering Journal, 2003, 92, 101-109.	6.6	15
77	A new fluid model for particles settling in a viscoplastic fluid. Chemical Engineering Science, 2011, 66, 729-739.	1.9	15
78	Sustainable synthesis of highly efficient sunlight-driven Ag embedded AgCl photocatalysts. RSC Advances, 2015, 5, 80488-80495.	1.7	15
79	Interaction dynamics of a spherical particle with a suspended liquid film. AIChE Journal, 2016, 62, 295-314.	1.8	15
80	Simultaneous measurements of two phases using an optical probe. Experimental and Computational Multiphase Flow, 2019, 1, 233-241.	1.9	15
81	The effects of fluid viscoelasticity on the settling behaviour of horizontally aligned spheres. Chemical Engineering Science, 2011, 66, 5822-5831.	1.9	14
82	Evaporation of a sessile binary droplet on a heated spherical particle. Experimental Thermal and Fluid Science, 2018, 99, 558-571.	1.5	14
83	A novel settling tank for produced water treatment: CFD simulations and PIV experiments. Journal of Petroleum Science and Engineering, 2019, 182, 106352.	2.1	14
84	Simulations of Bubble Column Reactors Using a Volume of Fluid Approach: Effect of Air Distributor. Canadian Journal of Chemical Engineering, 2007, 85, 290-301.	0.9	13
85	Effects of broth composition and light condition on antimicrobial susceptibility testing of ionic silver. Journal of Microbiological Methods, 2014, 105, 42-46.	0.7	13
86	Process modelling of biomass conversion to biofuels with combined heat and power. Bioresource Technology, 2015, 198, 309-315.	4.8	13
87	Effect of baffles on performance of fluid catalytic cracking riser. Particuology, 2018, 38, 18-30.	2.0	13
88	Simulations and Optimization of a Reduced CO <sub>2</sub> Emission Process for Methanol Production Using Syngas from Bi-reforming. Energy & Fuels, 2021, 35, 8844-8856.	2.5	13
89	Investigation of wear pattern in a complex coal pulveriser using CFD modelling. Fuel Processing Technology, 2006, 87, 687-694.	3.7	12
90	Hydrodynamics of a Fluid Catalytic Cracking Stripper Using $\gamma$ -ray Densitometry. Industrial & Engineering Chemistry Research, 2011, 50, 5933-5941.	1.8	12

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91	CFD study: Effect of pulsating flow on gas–solid hydrodynamics in FCC riser. <i>Particuology</i> , 2017, 31, 25-34.	2.0	12
92	Numerical study of fog formation around ambient air vaporizers. <i>Chemical Engineering Science</i> , 2018, 183, 37-46.	1.9	12
93	Modelling of particle segregation in fluidized beds. <i>Powder Technology</i> , 2019, 353, 202-218.	2.1	12
94	Intensified isothermal reactor for methanol synthesis. <i>Chemical Engineering and Processing: Process Intensification</i> , 2019, 143, 107606.	1.8	11
95	Sensitivity analysis of rate constants of Weekman's riser kinetics and evaluation of heat of cracking using CATCRACK. <i>Journal of Molecular Catalysis A</i> , 2002, 181, 263-274.	4.8	10
96	Light Intensity Distribution in a Dual-Lamp Photoreactor. <i>International Journal of Chemical Reactor Engineering</i> , 2005, 3, .	0.6	10
97	Computational fluid dynamics modelling and optimal configuring of a channelled optical fibre photoreactor. <i>Chemical Engineering Science</i> , 2010, 65, 5029-5040.	1.9	10
98	Hydrodynamic Study of Fluid Catalytic Cracker Unit Stripper. <i>Industrial &amp; Engineering Chemistry Research</i> , 2013, 52, 4660-4671.	1.8	10
99	Verification of EMMS formulation using lattice Boltzmann simulations. <i>Powder Technology</i> , 2014, 257, 30-39.	2.1	10
100	Experimental Study on Feasibility of H <sub>2</sub> and N <sub>2</sub> as Hydrate Inhibitors in Natural Gas Pipelines. <i>Journal of Chemical &amp; Engineering Data</i> , 2014, 59, 3756-3766.	1.0	10
101	Multiphase simulation of LNG vapour dispersion with effect of fog formation. <i>Applied Thermal Engineering</i> , 2020, 166, 114671.	3.0	10
102	Study on hydrodynamic performance of structured packings for gas-liquid flow: Effects of geometry parameters. <i>Chemical Engineering Research and Design</i> , 2021, 167, 318-326.	2.7	10
103	Influence of jet–jet interaction on droplet size and jet instability in immiscible liquid–liquid system. <i>Chemical Engineering Science</i> , 2015, 123, 247-254.	1.9	9
104	Modern Trends in CFD Simulations: Application to GTL Technology. <i>Chemical Product and Process Modeling</i> , 2006, 1, .	0.5	8
105	Targeting water utilities for the threshold problem without waste discharge. <i>Chemical Engineering Research and Design</i> , 2013, 91, 2569-2578.	2.7	8
106	Impact of HSPBT blade angle on gas phase hydrodynamics in a gas–liquid stirred tank. <i>Chemical Engineering Research and Design</i> , 2018, 130, 219-229.	2.7	8
107	Vortex shape and gas–liquid hydrodynamics in unbaffled stirred tank. <i>Canadian Journal of Chemical Engineering</i> , 2019, 97, 1913-1920.	0.9	8
108	Photocausticization of spent Bayer liquor: a pilot-scale study. <i>Journal of Environmental Management</i> , 2003, 7, 411-420.	1.7	7

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109	Modelling of the interaction between a falling n-heptane droplet and hot solid surface. Chemical Engineering Science, 2014, 116, 23-37.	1.9	7
110	Modeling and optimization of Carbon in leach (CIL) circuit for gold recovery. Minerals Engineering, 2015, 83, 136-148.	1.8	7
111	Hydrodynamics of macroscopic particles in slurry suspensions. Asia-Pacific Journal of Chemical Engineering, 2016, 11, 467-479.	0.8	7
112	Effect of bubble on the pressure spectra of oscillating grid turbulent flow at low Taylor-Reynolds number. Chemical Engineering Science, 2018, 190, 28-39.	1.9	7
113	Modelling and numerical simulation of liquid-solid circulating fluidized bed system for protein purification. Chemical Engineering Research and Design, 2013, 91, 1660-1673.	2.7	6
114	Reverse phase HPLC method for detection and quantification of lupin seed $\beta$ -conglutin. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2017, 1063, 123-129.	1.2	6
115	Modeling of absorption of NO <sub>2</sub> with chemical reaction in a falling raindrop. Korean Journal of Chemical Engineering, 2003, 20, 328-333.	1.2	5
116	Gas-solid flow hydrodynamics of an industrial scale catalyst lift engager. Chemical Engineering Journal, 2010, 159, 138-148.	6.6	5
117	LODOS - Going from BIM to CFD via CAD and model abstraction. Automation in Construction, 2018, 94, 85-92.	4.8	5
118	Investigation on fog formation of LNG ambient air vaporisers. Applied Thermal Engineering, 2021, 193, 117023.	3.0	5
119	Kinetic modelling of pyrolysis of cellulose using CPD model: effect of salt. Journal of Thermal Analysis and Calorimetry, 2022, 147, 9763-9777.	2.0	5
120	Optimized Process for Methanol Production via Bi-reforming Syngas. Industrial & Engineering Chemistry Research, 2022, 61, 5557-5567.	1.8	5
121	Dynamic Simulation of Reactive Batch Distillation Column for Ethyl Acetate Synthesis. Chemical Product and Process Modeling, 2007, 2, .	0.5	4
122	A NOVEL SPINNING DISC CONTINUOUS STIR TANK AND SETTLER REACTOR (SDCSTR) MODEL FOR CONTINUOUS SYNTHESIS OF TITANIA: A PHENOMENOLOGICAL MODEL. Chemical Engineering Communications, 2010, 198, 73-84.	1.5	4
123	Effect of column inclination and oscillation on liquid spreading in a trickle bed. Chemical Engineering Research and Design, 2019, 152, 165-179.	2.7	4
124	Three-Dimensional Hydrodynamics and Reaction Kinetics Analysis in FCC Riser Reactors. Chemical Product and Process Modeling, 2007, 2, .	0.5	3
125	A temperature-dependent potential model for mercury in the description of vapour-liquid equilibrium & adsorption in activated carbon. Chemical Engineering Science, 2020, 215, 115453.	1.9	3
126	Fast Pyrolysis Downer Reactor: Effect of Reactor Geometry on the Hydrodynamics. Industrial & Engineering Chemistry Research, 2022, 61, 4153-4167.	1.8	3



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127	Numerical evaluation of an additively manufactured uniform fractal flow mixer. <i>Chemical Engineering and Processing: Process Intensification</i> , 2022, 179, 109047.	1.8	3
128	Steady-State Simulation of Hybrid Nickel Leaching Circuit Using Syscad. <i>Chemical Product and Process Modeling</i> , 2006, 1, .	0.5	2
129	CFD Modelling of Flow and Solids Distribution in Carbon-in-Leach Tanks. <i>Metals</i> , 2015, 5, 1997-2020.	1.0	2
130	Dynamic tank in series modeling of direct internal reforming SOFC. <i>International Journal of Energy Research</i> , 2017, 41, 1563-1578.	2.2	2
131	Bioethanol production from sodium hydroxide " dilute sulfuric acid pretreatment of rice husk via simultaneous saccharification and fermentation. <i>MATEC Web of Conferences</i> , 2017, 101, 02013.	0.1	2
132	Treatment of winery wastewater by UV-A radiation. <i>International Journal of Environment and Waste Management</i> , 2009, 3, 278.	0.2	1
133	Particle deposition in natural gas pipelines using computational fluid dynamics modelling. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2012, 7, 841-847.	0.8	1
134	Hydrodynamics of a rectangular liquid JET in an immiscible liquid-liquid system. <i>Canadian Journal of Chemical Engineering</i> , 2013, 91, 122-126.	0.9	1
135	Convection and surface tension profiles for aqueous droplet under microwave radiation. , 2014, , .		1
136	In-situ observation of convection in droplet under microwave radiation by PIV. , 2014, , .		1
137	Reply to Comment on "Influence of Microwaves on the Water Surface Tension" Langmuir, 2015, 31, 10933-10934.	1.6	1
138	Dynamic Simulation on Deflagration of LNG Spill. <i>Journal of Combustion</i> , 2019, 2019, 1-12.	0.5	1
139	Packed bed methanol reactor with flow diverters. <i>Chemical Engineering and Processing: Process Intensification</i> , 2022, , 108916.	1.8	1
140	Guest editorial: computational fluid dynamics. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2008, 3, 95-96.	0.8	0
141	Hydrodynamic investigation of bubble-column reactors: effect of column configuration. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2010, 5, 626-636.	0.8	0
142	Multi-Scale Modelling of Biomass Pyrolysis Processes. <i>Computer Aided Chemical Engineering</i> , 2012, 30, 1133-1137.	0.3	0
143	Simulation and Analysis of Carbon-in-Leach (CIL) Circuits. <i>Computer Aided Chemical Engineering</i> , 2012, 31, 1206-1210.	0.3	0
144	Potential Impacts and Modelling of the Heat Loss Due to Copper Chelation in Natural Gas Processing and Transport. <i>Computer Aided Chemical Engineering</i> , 2011, 29, 1648-1652.	0.3	0