## Dawei Wang

## List of Publications by Year in Descending Order

Source: https://exaly.com/author-pdf/2527748/dawei-wang-publications-by-year.pdf

Version: 2024-04-25

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

5,184 69 119 44 h-index g-index citations papers 124 5,990 7.3 5.95 L-index avg, IF ext. citations ext. papers

#	Paper	IF	Citations
119	A machine learning-based particle-particle collision model for non-spherical particles with arbitrary shape. <i>Chemical Engineering Science</i> , <b>2022</b> , 251, 117439	4.4	O
118	The Role of Chemical Looping in Industrial Gas Separation <b>2022</b> , 199-237		
117	Applications of electrical capacitance tomography in industrial systems <b>2022</b> , 799-821		
116	Three-dimensional dynamic characterization of square-nosed slugging phenomena in a fluidized bed. <i>Particuology</i> , <b>2021</b> , 67, 35-35	2.8	1
115	Driving Towards Highly Selective and Coking-Resistant Natural Gas Reforming Through a Hybrid Oxygen Carrier Design. <i>ChemCatChem</i> , <b>2021</b> , 13, 617-626	5.2	3
114	Simulation of a moving bed chemical looping system for electricity production from coal via chemical looping water splitting. <i>Canadian Journal of Chemical Engineering</i> , <b>2021</b> , 99, 1520-1534	2.3	1
113	Codoping Mg-Mn Based Oxygen Carrier with Lithium and Tungsten for Enhanced C2 Yield in a Chemical Looping Oxidative Coupling of Methane System. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2021</b> , 9, 2651-2660	8.3	6
112	Coal-Direct Chemical Looping Process with In Situ Sulfur Capture for Energy Generation Using Callu Oxygen Carriers. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2021</b> , 60, 11231-11240	3.9	2
111	Mo-Doped FeS Mediated H2 Production from H2S via an In Situ Cyclic Sulfur Looping Scheme. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2021</b> , 9, 11204-11211	8.3	1
110	A machine learning-based interaction force model for non-spherical and irregular particles in low Reynolds number incompressible flows. <i>Powder Technology</i> , <b>2021</b> , 392, 632-638	5.2	3
109	Enhanced methane conversion using Ni-doped calcium ferrite oxygen carriers in chemical looping partial oxidation systems with CO2 utilization. <i>Reaction Chemistry and Engineering</i> , <b>2021</b> , 6, 1928-1939	4.9	2
108	Process Analysis of Chemical Looping Systems for Dimethyl Ether Synthesis from Coal <b>2020</b> , 5, 17-26		1
107	CO2 mineralization and utilization by alkaline solid wastes for potential carbon reduction. <i>Nature Sustainability</i> , <b>2020</b> , 3, 399-405	22.1	66
106	External Electric Field Induced Reaction Chemistry: A Review and Perspectives. <i>ACS Symposium Series</i> , <b>2020</b> , 207-227	0.4	
105	Design and Operations of a 15 kWth Subpilot Unit for the Methane-to-Syngas Chemical Looping Process with CO2 Utilization. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2020</b> , 59, 6886-6899	3.9	15
104	Cyclic redox scheme towards shale gas reforming: a review and perspectives. <i>Reaction Chemistry and Engineering</i> , <b>2020</b> , 5, 2204-2220	4.9	9
103	Mechanistic Insight into Hydrogen-Assisted Carbon Dioxide Reduction with Ilmenite. <i>Energy &amp; Energy &amp; </i>	4.1	3

102	Enhancing Nitrogen Electroreduction to Ammonia by Doping Chlorine on Reduced Graphene Oxide. <i>ACS Catalysis</i> , <b>2020</b> , 10, 14928-14935	13.1	12
101	SBA-16-Mediated Nanoparticles Enabling Accelerated Kinetics in Cyclic Methane Conversion to Syngas at Low Temperatures. <i>ACS Applied Energy Materials</i> , <b>2020</b> , 3, 9833-9840	6.1	4
100	Thermodynamic Investigation of Process Enhancement in Chemical Looping Reforming of Methane through Modified CaHe Oxygen Carrier Utilization. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2020</b> , 59, 15531-15541	3.9	10
99	Acetic Acid Production Using Calcium Ferrite-Assisted Chemical Looping Gasification of Petroleum Coke With In Situ Sulfur Capture. <i>Energy &amp; Energy &amp; 2020</i> , 34, 16560-16571	4.1	8
98	Hydrogen Production from Natural Gas Using an Iron-Based Chemical Looping Technology: Process Modeling, Heat Integration, and Exergy Analysis. <i>Energy Technology</i> , <b>2020</b> , 8, 1900377	3.5	9
97	Recurrent neural network based detection of faults caused byparticle attrition in chemical looping systems. <i>Powder Technology</i> , <b>2020</b> , 367, 266-276	5.2	13
96	Thermodynamic and Process Analyses of Syngas Production Using Chemical Looping Reforming Assisted by Flexible Dicalcium Ferrite-Based Oxygen Carrier Regeneration. <i>Energy &amp; amp; Fuels</i> , <b>2020</b> , 34, 6490-6500	4.1	11
95	Operating Strategy of Chemical Looping Systems with Varied Reducer and Combustor Pressures. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2019</b> , 58, 5228-5235	3.9	11
94	Slurry bubble column measurements using advanced electrical capacitance volume tomography sensors. <i>Powder Technology</i> , <b>2019</b> , 355, 474-480	5.2	18
93	Particle Technology <b>2019</b> , 1-51		1
93 92	Particle Technology 2019, 1-51  Modulating Lattice Oxygen in Dual-Functional Mo-V-O Mixed Oxides for Chemical Looping Oxidative Dehydrogenation. <i>Journal of the American Chemical Society</i> , 2019, 141, 18653-18657	16.4	
	Modulating Lattice Oxygen in Dual-Functional Mo-V-O Mixed Oxides for Chemical Looping	16.4 17.4	65
92	Modulating Lattice Oxygen in Dual-Functional Mo-V-O Mixed Oxides for Chemical Looping Oxidative Dehydrogenation. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 18653-18657  Near 100% CO selectivity in nanoscaled iron-based oxygen carriers for chemical looping methane	17.4	65 48
92 91	Modulating Lattice Oxygen in Dual-Functional Mo-V-O Mixed Oxides for Chemical Looping Oxidative Dehydrogenation. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 18653-18657  Near 100% CO selectivity in nanoscaled iron-based oxygen carriers for chemical looping methane partial oxidation. <i>Nature Communications</i> , <b>2019</b> , 10, 5503  Chemical Looping Gasification for Producing High Purity, H2-Rich Syngas in a Cocurrent Moving Bed	17.4	65 48
92 91 90	Modulating Lattice Oxygen in Dual-Functional Mo-V-O Mixed Oxides for Chemical Looping Oxidative Dehydrogenation. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 18653-18657  Near 100% CO selectivity in nanoscaled iron-based oxygen carriers for chemical looping methane partial oxidation. <i>Nature Communications</i> , <b>2019</b> , 10, 5503  Chemical Looping Gasification for Producing High Purity, H2-Rich Syngas in a Cocurrent Moving Bed Reducer with Coal and Methane Cofeeds. <i>Industrial &amp; Democration Chemistry Research</i> , <b>2018</b> , 57, 24  Electrical Capacitance Volume Tomography for Characterization of GasBolid Slugging Fluidization with Geldart Group D Particles under High Temperatures. <i>Industrial &amp; Democratical &amp; Democratical Chemistry</i>	17.4 16 <del>1</del> -247	65 48 75 <sup>19</sup>
92 91 90 89	Modulating Lattice Oxygen in Dual-Functional Mo-V-O Mixed Oxides for Chemical Looping Oxidative Dehydrogenation. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 18653-18657  Near 100% CO selectivity in nanoscaled iron-based oxygen carriers for chemical looping methane partial oxidation. <i>Nature Communications</i> , <b>2019</b> , 10, 5503  Chemical Looping Gasification for Producing High Purity, H2-Rich Syngas in a Cocurrent Moving Bed Reducer with Coal and Methane Cofeeds. <i>Industrial &amp; Democration Chemistry Research</i> , <b>2018</b> , 57, 24  Electrical Capacitance Volume Tomography for Characterization of GasBolid Slugging Fluidization with Geldart Group D Particles under High Temperatures. <i>Industrial &amp; Democratic Chemistry Research</i> , <b>2018</b> , 57, 2687-2697	17.4 16 <b>- 2</b> 47 3.9	65 48 75 <sup>19</sup>
92 91 90 89 88	Modulating Lattice Oxygen in Dual-Functional Mo-V-O Mixed Oxides for Chemical Looping Oxidative Dehydrogenation. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 18653-18657  Near 100% CO selectivity in nanoscaled iron-based oxygen carriers for chemical looping methane partial oxidation. <i>Nature Communications</i> , <b>2019</b> , 10, 5503  Chemical Looping Gasification for Producing High Purity, H2-Rich Syngas in a Cocurrent Moving Bed Reducer with Coal and Methane Cofeeds. <i>Industrial &amp; Demistry Research</i> , <b>2018</b> , 57, 24  Electrical Capacitance Volume Tomography for Characterization of GasBolid Slugging Fluidization with Geldart Group D Particles under High Temperatures. <i>Industrial &amp; Demistry Research</i> , <b>2018</b> , 57, 2687-2697  The Moving Bed Fuel Reactor Process <b>2018</b> , 1-40	17.4 16 <b>- 2</b> 47 3.9	65 48 25 <sup>19</sup>

84	CHEMICAL LOOPING TECHNOLOGY FOR FOSSIL FUEL CONVERSION WITH IN SITU CO2 CONTROL <b>2017</b> , 377-404		2
83	Utilization of CO2 as a partial substitute for methane feedstock in chemical looping methaneEteam redox processes for syngas production. <i>Energy and Environmental Science</i> , <b>2017</b> , 10, 1345-1349	35.4	56
82	Biomass-based chemical looping technologies: the good, the bad and the future. <i>Energy and Environmental Science</i> , <b>2017</b> , 10, 1885-1910	35.4	248
81	Modularization strategy for syngas generation in chemical looping methane reforming systems with CO2 as feedstock. <i>AICHE Journal</i> , <b>2017</b> , 63, 3343-3360	3.6	30
80	Impact of 1% Lanthanum Dopant on Carbonaceous Fuel Redox Reactions with an Iron-Based Oxygen Carrier in Chemical Looping Processes. <i>ACS Energy Letters</i> , <b>2017</b> , 2, 70-74	20.1	49
79	Chemically and physically robust, commercially-viable iron-based composite oxygen carriers sustainable over 3000 redox cycles at high temperatures for chemical looping applications. <i>Energy and Environmental Science</i> , <b>2017</b> , 10, 2318-2323	35.4	56
78	Improved cyclic redox reactivity of lanthanum modified iron-based oxygen carriers in carbon monoxide chemical looping combustion. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 20153-20160	13	29
77	Oxygen vacancy promoted methane partial oxidation over iron oxide oxygen carriers in the chemical looping process. <i>Physical Chemistry Chemical Physics</i> , <b>2016</b> , 18, 32418-32428	3.6	58
76	ECVT imaging and model analysis of the liquid distribution inside a horizontally installed passive cyclonic gas[Iquid separator. <i>Chemical Engineering Science</i> , <b>2016</b> , 141, 231-239	4.4	20
75	Chemical looping technology for energy and chemical production. <i>Wiley Interdisciplinary Reviews:</i> Energy and Environment, <b>2016</b> , 5, 216-241	4.7	27
74	Solid oxide fuel cells fueled with reduced Fe/Ti oxide. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 2242-23	25103	7
73	Nanostructure formation mechanism and ion diffusion in ironlitanium composite materials with chemical looping redox reactions. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 11302-11312	13	54
72	Direct numerical simulation of low-Reynolds-number flow past arrays of rotating spheres. <i>Journal of Fluid Mechanics</i> , <b>2015</b> , 765, 396-423	3.7	45
71	Chemical-looping technology platform. AICHE Journal, <b>2015</b> , 61, 2-22	3.6	141
70	Bulk coarse particle arching phenomena in a moving bed with fine particle presence. <i>AICHE Journal</i> , <b>2014</b> , 60, 881-892	3.6	13
69	Evolution of nanoscale morphology in single and binary metal oxide microparticles during reduction and oxidation processes. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 17511-17520	13	45
68	Shale gas-to-syngas chemical looping process for stable shale gas conversion to high purity syngas with a H2 : CO ratio of 2 : 1. <i>Energy and Environmental Science</i> , <b>2014</b> , 7, 4104-4117	35.4	119
67	Electrical capacitance volume tomography for imaging of pulsating flows in a trickle bed. <i>Chemical Engineering Science</i> , <b>2014</b> , 119, 77-87	4.4	45

## (2010-2014)

66	ECVT imaging of 3D spiral bubble plume structures in gas-liquid bubble columns. <i>Canadian Journal of Chemical Engineering</i> , <b>2014</b> , 92, 2078-2087	2.3	17
65	Adaptive Electrical Capacitance Volume Tomography. <i>IEEE Sensors Journal</i> , <b>2014</b> , 14, 1253-1259	4	45
64	Syngas chemical looping process: Dynamic modeling of a moving-bed reducer. <i>AICHE Journal</i> , <b>2013</b> , 59, 3432-3443	3.6	10
63	Application of the Moving-Bed Chemical Looping Process for High Methane Conversion. <i>Energy &amp; Energy Energy</i> 2013, 27, 4119-4128	4.1	50
62	Coal-Direct Chemical Looping Gasification for Hydrogen Production: Reactor Modeling and Process Simulation. <i>Energy &amp; Double Supply Sup</i>	4.1	97
61	Chemical looping processes for CO2 capture and carbonaceous fuel conversion prospect and opportunity. <i>Energy and Environmental Science</i> , <b>2012</b> , 5, 7254	35.4	263
60	Activation Strategies for Calcium-Based Sorbents for CO2 Capture: A Perspective. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2012</b> , 51, 2133-2142	3.9	99
59	Electrical Capacitance Volume Tomography Imaging of Three-Dimensional Flow Structures and Solids Concentration Distributions in a Riser and a Bend of a GasBolid Circulating Fluidized Bed. <i>Industrial &amp; Distribution Chemistry Research</i> , <b>2012</b> , 51, 10968-10976	3.9	23
58	Ionic transfer mechanism of COS reaction with CaO: Inert marker experiment and density functional theory (DFT) calculation. <i>AICHE Journal</i> , <b>2012</b> , 58, 2617-2620	3.6	6
57	Chemical looping processes particle characterization, ionic diffusion-reaction mechanism and reactor engineering. <i>Reviews in Chemical Engineering</i> , <b>2012</b> , 28, 1-42	5	28
56	Role of metal oxide support in redox reactions of iron oxide for chemical looping applications: experiments and density functional theory calculations. <i>Energy and Environmental Science</i> , <b>2011</b> , 4, 366	1 <sup>35.4</sup>	105
55	Ionic diffusion in the oxidation of iron of support and its implications to chemical looping applications. <i>Energy and Environmental Science</i> , <b>2011</b> , 4, 876	35.4	106
54	Kinetic Study of High-Pressure Carbonation Reaction of Calcium-Based Sorbents in the Calcium Looping Process (CLP). <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2011</b> , 50, 11528-11536	3.9	28
53	GasBolid Fluidization in Mini- and Micro-channels. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2011</b> , 50, 4741-4751	3.9	32
52	Calcium Looping Process for Enhanced Catalytic Hydrogen Production with Integrated Carbon Dioxide and Sulfur Capture. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2011</b> , 50, 1716-1729	3.9	18
51	Electrical capacitance volume tomography: design and applications. <i>Sensors</i> , <b>2010</b> , 10, 1890-917	3.8	116
50	Calcium Looping Process (CLP) for Enhanced Noncatalytic Hydrogen Production with Integrated Carbon Dioxide Capture. <i>Energy &amp; Energy &amp; 2010</i> , 24, 4408-4418	4.1	60
49	Chemical Looping Technology and Its Fossil Energy Conversion Applications. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2010</b> , 49, 10200-10211	3.9	148

48	Syngas chemical looping gasification process: Bench-scale studies and reactor simulations. <i>AICHE Journal</i> , <b>2010</b> , 56, 2186-2199	3.6	103
47	Clean coal conversion processes (progress and challenges. <i>Energy and Environmental Science</i> , <b>2008</b> , 1, 248	35.4	208
46	Dual imaging modality of granular flow based on ECT sensors. <i>Granular Matter</i> , <b>2008</b> , 10, 75-80	2.6	21
45	Direct simulation of the buoyant rise of bubbles in infinite liquid using level set method. <i>Canadian Journal of Chemical Engineering</i> , <b>2008</b> , 86, 267-275	2.3	23
44	3D-ECT Velocimetry for Flow Structure Quantification of Gas-Liquid-Solid Fluidized Beds. <i>Canadian Journal of Chemical Engineering</i> , <b>2008</b> , 81, 875-884	2.3	25
43	Heterogeneous structure in gasBolid riser flows. <i>AICHE Journal</i> , <b>2008</b> , 54, 1459-1469	3.6	12
42	Kinetics and Structural Characterization of Calcium-Based Sorbents Calcined under Subatmospheric Conditions for the High-Temperature CO2Capture Process. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2007</b> , 46, 35-42	3.9	55
41	Syngas Redox (SGR) Process to Produce Hydrogen from Coal Derived Syngas. <i>Energy &amp; amp; Fuels</i> , <b>2007</b> , 21, 2900-2908	4.1	148
40	A Multimodal Tomography System Based on ECT Sensors. <i>IEEE Sensors Journal</i> , <b>2007</b> , 7, 426-433	4	53
39	Electrical Capacitance Volume Tomography. <i>IEEE Sensors Journal</i> , <b>2007</b> , 7, 525-535	4	130
38	Three-dimensional direct numerical simulation for film-boiling contact of moving particle and liquid droplet. <i>Physics of Fluids</i> , <b>2006</b> , 18, 117104	4.4	11
37	Nonlinear forward problem solution for electrical capacitance tomography using feed-forward neural network. <i>IEEE Sensors Journal</i> , <b>2006</b> , 6, 441-449	4	45
36	Liquid Entrainment in High-Pressure Bubble Columns. <i>Industrial &amp; Discourse amp; Engineering Chemistry Research</i> , <b>2005</b> , 44, 3776-3782	3.9	8
35	Discrete simulation of gas-liquid bubble columns and gas-liquid-solid fluidized beds. <i>AICHE Journal</i> , <b>2004</b> , 50, 288-301	3.6	64
34	ECT studies of the choking phenomenon in a gasBolid circulating fluidized bed. <i>AICHE Journal</i> , <b>2004</b> , 50, 1386-1406	3.6	39
33	Synthesis of High-Surface-Area SiC through a Modified Sol <b>©</b> el Route: Control of the Pore Structure. <i>Industrial &amp; Double Engineering Chemistry Research</i> , <b>2004</b> , 43, 4732-4739	3.9	21
32	Characteristics of Choking Behavior in Circulating Fluidized Beds for Group B Particles. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2004</b> , 43, 5507-5520	3.9	22
31	Bed nonhomogeneity in turbulent gas-solid fluidization. <i>AICHE Journal</i> , <b>2003</b> , 49, 1109-1126	3.6	80

30	Gas and solids mixing in a turbulent fluidized bed. AICHE Journal, 2002, 48, 1896-1909	3.6	110
29	Clean coal technologies: OSCAR and CARBONOX commercial demonstrations. <i>AICHE Journal</i> , <b>2002</b> , 48, 2115-2123	3.6	17
28	Experimental Studies of Liquid Weeping and Bubbling Phenomena at Submerged Orifices. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2002</b> , 41, 1666-1677	3.9	9
27	A Semianalytical Expression for the Drag Force of an Interactive Particle Due to Wake Effect. <i>Industrial &amp; Description of the Drag Force of an Interactive Particle Due to Wake Effect.</i>	3.9	16
26	Kinetics of high-pressure removal of hydrogen sulfide using calcium oxide powder. <i>AICHE Journal</i> , <b>2000</b> , 46, 1157-1167	3.6	27
25	Mechanism of selenium sorption by activated carbon. <i>Canadian Journal of Chemical Engineering</i> , <b>2000</b> , 78, 168-174	2.3	13
24	On the measurements of regime transition in high-pressure bubble columns. <i>Canadian Journal of Chemical Engineering</i> , <b>1999</b> , 77, 370-374	2.3	28
23	Maximum stable bubble size and gas holdup in high-pressure slurry bubble columns. <i>AICHE Journal</i> , <b>1999</b> , 45, 665-680	3.6	172
22	Influence of Surface Modifiers on the Structure of Precipitated Calcium Carbonate. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>1999</b> , 38, 2283-2291	3.9	62
21	High-Pressure Reaction Kinetics of Hydrogen Sulfide and Uncalcined Limestone Powder. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>1999</b> , 38, 3802-3811	3.9	11
20	Flow Characteristics of Coal Ash in a Circulating Fluidized Bed. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>1998</b> , 37, 1499-1509	3.9	11
19	Characteristics of high-pressure liquidBolid fluidization. <i>AICHE Journal</i> , <b>1997</b> , 43, 45-57	3.6	9
18	Pore-structure optimization of calcium carbonate for enhanced sulfation. <i>AICHE Journal</i> , <b>1997</b> , 43, 2323	- <b>3.8</b> 35	45
17	Investigation of High-Reactivity Calcium Carbonate Sorbent for Enhanced SO2 Capture. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>1996</b> , 35, 598-606	3.9	50
16	Electrostatic Characteristics of Hydrated Lime Powder during Transport. <i>Industrial &amp; amp;</i> Engineering Chemistry Research, <b>1996</b> , 35, 2748-2755	3.9	27
15	Hydrodynamic behavior of circulating fluidized bed with polymeric particles. <i>AICHE Journal</i> , <b>1994</b> , 40, 193-206	3.6	42
14	EFFECT OF STATIC LIQUID HEIGHT ON GAS-LIQUID MASS TRANSFER IN A DRAFT-TUBE BUBBLE COLUMN AND THREE-PHASE FLUIDIZED BED. <i>Chemical Engineering Communications</i> , <b>1991</b> , 108, 347-364	1 <sup>2.2</sup>	6
13	Biological phenol degradation in a gas-liquid-solid fluidized bed reactor. <i>Biotechnology and Bioengineering</i> , <b>1989</b> , 33, 1029-38	4.9	47

12	Concentration multiplicity in a draft tube fluidized-bed bioreactor involving two limiting substrates. <i>Biotechnology and Bioengineering</i> , <b>1988</b> , 31, 24-34	4.9	15
11	Characteristics of draft tube gas-liquid-solid fluidized-bed bioreactor with immobilized living cells for phenol degradation. <i>Biotechnology and Bioengineering</i> , <b>1987</b> , 30, 498-504	4.9	54
10	On the particle terminal velocity in a gas-liquid medium with liquid as the continuous phase. <i>Canadian Journal of Chemical Engineering</i> , <b>1987</b> , 65, 881-886	2.3	23
9	Pressure fluctuation measurements and flow regime transitions in gas-liquid-solid fluidized beds. <i>AICHE Journal</i> , <b>1986</b> , 32, 338-340	3.6	30
8	Fundamentals of gas-liquid-solid fluidization. AICHE Journal, 1985, 31, 1-34	3.6	202
7	Characteristics of slugging regime and transition to turbulent regime for fluidized beds of large coarse particles. <i>AICHE Journal</i> , <b>1985</b> , 31, 1554-1562	3.6	51
6	Hydrodynamic characteristics of a gas-liquid-solid fluidized bed containing a binary mixture of particles. <i>AICHE Journal</i> , <b>1985</b> , 31, 1801-1810	3.6	35
5	EXPERIMENTAL OBSERVATION OF NONHOMOGENEITY IN A LIQUID-SOLID FLUIDIZED BED OF SMALL PARTICLES. <i>Chemical Engineering Communications</i> , <b>1985</b> , 37, 141-157	2.2	15
4	Noncatalytic gas-solid reactions in a vertical pneumatic transport reactor. <i>AICHE Journal</i> , <b>1984</b> , 30, 21-2	<b>9</b> 3.6	3
3	Hydrodynamics of cocurrent gas-liquid-solid semifluidization with a liquid as the continuous phase. <i>AICHE Journal</i> , <b>1984</b> , 30, 288-294	3.6	42
2	Simulation of particulate removal in gas-solid fluidized beds. AICHE Journal, 1982, 28, 39-49	3.6	27
1	State of Scale-Up Development in Chemical Looping Technology for Biomass Conversions: A Review and Perspectives. <i>Waste and Biomass Valorization</i> ,1	3.2	1