

Dawei Wang

List of Publications by Citations

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

119
papers

5,184
citations

44
h-index

69
g-index

124
ext. papers

5,990
ext. citations

7.3
avg, IF

5.95
L-index

| # | Paper | IF | Citations |
|-----|---|------|-----------|
| 119 | Chemical looping processes for CO ₂ capture and carbonaceous fuel conversion [Prospect and opportunity. <i>Energy and Environmental Science</i> , 2012 , 5, 7254 | 35.4 | 263 |
| 118 | Biomass-based chemical looping technologies: the good, the bad and the future. <i>Energy and Environmental Science</i> , 2017 , 10, 1885-1910 | 35.4 | 248 |
| 117 | Clean coal conversion processes [Progress and challenges. <i>Energy and Environmental Science</i> , 2008 , 1, 248 | 35.4 | 208 |
| 116 | Fundamentals of gas-liquid-solid fluidization. <i>AICHE Journal</i> , 1985 , 31, 1-34 | 3.6 | 202 |
| 115 | Metal oxide redox chemistry for chemical looping processes. <i>Nature Reviews Chemistry</i> , 2018 , 2, 349-364 | 34.6 | 188 |
| 114 | Maximum stable bubble size and gas holdup in high-pressure slurry bubble columns. <i>AICHE Journal</i> , 1999 , 45, 665-680 | 3.6 | 172 |
| 113 | Chemical Looping Technology and Its Fossil Energy Conversion Applications. <i>Industrial & Engineering Chemistry Research</i> , 2010 , 49, 10200-10211 | 3.9 | 148 |
| 112 | Syngas Redox (SGR) Process to Produce Hydrogen from Coal Derived Syngas. <i>Energy & Fuels</i> , 2007 , 21, 2900-2908 | 4.1 | 148 |
| 111 | Chemical-looping technology platform. <i>AICHE Journal</i> , 2015 , 61, 2-22 | 3.6 | 141 |
| 110 | Electrical Capacitance Volume Tomography. <i>IEEE Sensors Journal</i> , 2007 , 7, 525-535 | 4 | 130 |
| 109 | Shale gas-to-syngas chemical looping process for stable shale gas conversion to high purity syngas with a H ₂ : CO ratio of 2 : 1. <i>Energy and Environmental Science</i> , 2014 , 7, 4104-4117 | 35.4 | 119 |
| 108 | Electrical capacitance volume tomography: design and applications. <i>Sensors</i> , 2010 , 10, 1890-917 | 3.8 | 116 |
| 107 | Gas and solids mixing in a turbulent fluidized bed. <i>AICHE Journal</i> , 2002 , 48, 1896-1909 | 3.6 | 110 |
| 106 | Ionic diffusion in the oxidation of iron [Effect of support and its implications to chemical looping applications. <i>Energy and Environmental Science</i> , 2011 , 4, 876 | 35.4 | 106 |
| 105 | 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> , 2011 , 4, 3661 | 35.4 | 105 |
| 104 | Syngas chemical looping gasification process: Bench-scale studies and reactor simulations. <i>AICHE Journal</i> , 2010 , 56, 2186-2199 | 3.6 | 103 |
| 103 | Activation Strategies for Calcium-Based Sorbents for CO ₂ Capture: A Perspective. <i>Industrial & Engineering Chemistry Research</i> , 2012 , 51, 2133-2142 | 3.9 | 99 |

| | | | |
|-----|---|------|----|
| 102 | Coal-Direct Chemical Looping Gasification for Hydrogen Production: Reactor Modeling and Process Simulation. <i>Energy & Fuels</i> , 2012 , 26, 3680-3690 | 4.1 | 97 |
| 101 | Bed nonhomogeneity in turbulent gas-solid fluidization. <i>AIChE Journal</i> , 2003 , 49, 1109-1126 | 3.6 | 80 |
| 100 | CO ₂ mineralization and utilization by alkaline solid wastes for potential carbon reduction. <i>Nature Sustainability</i> , 2020 , 3, 399-405 | 22.1 | 66 |
| 99 | 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 | 65 |
| 98 | Discrete simulation of gas-liquid bubble columns and gas-liquid-solid fluidized beds. <i>AIChE Journal</i> , 2004 , 50, 288-301 | 3.6 | 64 |
| 97 | Influence of Surface Modifiers on the Structure of Precipitated Calcium Carbonate. <i>Industrial & Engineering Chemistry Research</i> , 1999 , 38, 2283-2291 | 3.9 | 62 |
| 96 | Calcium Looping Process (CLP) for Enhanced Noncatalytic Hydrogen Production with Integrated Carbon Dioxide Capture. <i>Energy & Fuels</i> , 2010 , 24, 4408-4418 | 4.1 | 60 |
| 95 | Oxygen vacancy promoted methane partial oxidation over iron oxide oxygen carriers in the chemical looping process. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 32418-32428 | 3.6 | 58 |
| 94 | Utilization of CO ₂ as a partial substitute for methane feedstock in chemical looping methane-steam redox processes for syngas production. <i>Energy and Environmental Science</i> , 2017 , 10, 1345-1349 | 35.4 | 56 |
| 93 | 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> , 2017 , 10, 2318-2323 | 35.4 | 56 |
| 92 | Kinetics and Structural Characterization of Calcium-Based Sorbents Calcined under Subatmospheric Conditions for the High-Temperature CO ₂ Capture Process. <i>Industrial & Engineering Chemistry Research</i> , 2007 , 46, 35-42 | 3.9 | 55 |
| 91 | Nanostructure formation mechanism and ion diffusion in iron-titanium composite materials with chemical looping redox reactions. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 11302-11312 | 13 | 54 |
| 90 | Characteristics of draft tube gas-liquid-solid fluidized-bed bioreactor with immobilized living cells for phenol degradation. <i>Biotechnology and Bioengineering</i> , 1987 , 30, 498-504 | 4.9 | 54 |
| 89 | A Multimodal Tomography System Based on ECT Sensors. <i>IEEE Sensors Journal</i> , 2007 , 7, 426-433 | 4 | 53 |
| 88 | Characteristics of slugging regime and transition to turbulent regime for fluidized beds of large coarse particles. <i>AIChE Journal</i> , 1985 , 31, 1554-1562 | 3.6 | 51 |
| 87 | Application of the Moving-Bed Chemical Looping Process for High Methane Conversion. <i>Energy & Fuels</i> , 2013 , 27, 4119-4128 | 4.1 | 50 |
| 86 | Investigation of High-Reactivity Calcium Carbonate Sorbent for Enhanced SO ₂ Capture. <i>Industrial & Engineering Chemistry Research</i> , 1996 , 35, 598-606 | 3.9 | 50 |
| 85 | 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> , 2017 , 2, 70-74 | 20.1 | 49 |

| | | | |
|----|--|------|----|
| 84 | Near 100% CO selectivity in nanoscaled iron-based oxygen carriers for chemical looping methane partial oxidation. <i>Nature Communications</i> , 2019 , 10, 5503 | 17.4 | 48 |
| 83 | C2 Selectivity Enhancement in Chemical Looping Oxidative Coupling of Methane over a Mg/Mn Composite Oxygen Carrier by Li-Doping-Induced Oxygen Vacancies. <i>ACS Energy Letters</i> , 2018 , 3, 1730-1736 | 20.1 | 48 |
| 82 | Biological phenol degradation in a gas-liquid-solid fluidized bed reactor. <i>Biotechnology and Bioengineering</i> , 1989 , 33, 1029-38 | 4.9 | 47 |
| 81 | Direct numerical simulation of low-Reynolds-number flow past arrays of rotating spheres. <i>Journal of Fluid Mechanics</i> , 2015 , 765, 396-423 | 3.7 | 45 |
| 80 | Evolution of nanoscale morphology in single and binary metal oxide microparticles during reduction and oxidation processes. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 17511-17520 | 13 | 45 |
| 79 | Electrical capacitance volume tomography for imaging of pulsating flows in a trickle bed. <i>Chemical Engineering Science</i> , 2014 , 119, 77-87 | 4.4 | 45 |
| 78 | Adaptive Electrical Capacitance Volume Tomography. <i>IEEE Sensors Journal</i> , 2014 , 14, 1253-1259 | 4 | 45 |
| 77 | Pore-structure optimization of calcium carbonate for enhanced sulfation. <i>AIChE Journal</i> , 1997 , 43, 2323-2335 | 3.3 | 45 |
| 76 | Nonlinear forward problem solution for electrical capacitance tomography using feed-forward neural network. <i>IEEE Sensors Journal</i> , 2006 , 6, 441-449 | 4 | 45 |
| 75 | Hydrodynamic behavior of circulating fluidized bed with polymeric particles. <i>AIChE Journal</i> , 1994 , 40, 193-206 | 3.6 | 42 |
| 74 | Hydrodynamics of cocurrent gas-liquid-solid semifluidization with a liquid as the continuous phase. <i>AIChE Journal</i> , 1984 , 30, 288-294 | 3.6 | 42 |
| 73 | ECT studies of the choking phenomenon in a gas-solid circulating fluidized bed. <i>AIChE Journal</i> , 2004 , 50, 1386-1406 | 3.6 | 39 |
| 72 | Hydrodynamic characteristics of a gas-liquid-solid fluidized bed containing a binary mixture of particles. <i>AIChE Journal</i> , 1985 , 31, 1801-1810 | 3.6 | 35 |
| 71 | Gas-Solid Fluidization in Mini- and Micro-channels. <i>Industrial & Engineering Chemistry Research</i> , 2011 , 50, 4741-4751 | 3.9 | 32 |
| 70 | Modularization strategy for syngas generation in chemical looping methane reforming systems with CO ₂ as feedstock. <i>AIChE Journal</i> , 2017 , 63, 3343-3360 | 3.6 | 30 |
| 69 | Pressure fluctuation measurements and flow regime transitions in gas-liquid-solid fluidized beds. <i>AIChE Journal</i> , 1986 , 32, 338-340 | 3.6 | 30 |
| 68 | Improved cyclic redox reactivity of lanthanum modified iron-based oxygen carriers in carbon monoxide chemical looping combustion. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 20153-20160 | 13 | 29 |
| 67 | Kinetic Study of High-Pressure Carbonation Reaction of Calcium-Based Sorbents in the Calcium Looping Process (CLP). <i>Industrial & Engineering Chemistry Research</i> , 2011 , 50, 11528-11536 | 3.9 | 28 |

| | | | |
|----|---|-----|----|
| 66 | Chemical looping processes [particle characterization, ionic diffusion-reaction mechanism and reactor engineering. <i>Reviews in Chemical Engineering</i> , 2012 , 28, 1-42 | 5 | 28 |
| 65 | On the measurements of regime transition in high-pressure bubble columns. <i>Canadian Journal of Chemical Engineering</i> , 1999 , 77, 370-374 | 2.3 | 28 |
| 64 | Kinetics of high-pressure removal of hydrogen sulfide using calcium oxide powder. <i>AIChE Journal</i> , 2000 , 46, 1157-1167 | 3.6 | 27 |
| 63 | Electrostatic Characteristics of Hydrated Lime Powder during Transport. <i>Industrial & Engineering Chemistry Research</i> , 1996 , 35, 2748-2755 | 3.9 | 27 |
| 62 | Simulation of particulate removal in gas-solid fluidized beds. <i>AIChE Journal</i> , 1982 , 28, 39-49 | 3.6 | 27 |
| 61 | Chemical looping technology for energy and chemical production. <i>Wiley Interdisciplinary Reviews: Energy and Environment</i> , 2016 , 5, 216-241 | 4.7 | 27 |
| 60 | 3D-ECT Velocimetry for Flow Structure Quantification of Gas-Liquid-Solid Fluidized Beds. <i>Canadian Journal of Chemical Engineering</i> , 2008 , 81, 875-884 | 2.3 | 25 |
| 59 | Electrical Capacitance Volume Tomography Imaging of Three-Dimensional Flow Structures and Solids Concentration Distributions in a Riser and a Bend of a Gas-Solid Circulating Fluidized Bed. <i>Industrial & Engineering Chemistry Research</i> , 2012 , 51, 10968-10976 | 3.9 | 23 |
| 58 | Direct simulation of the buoyant rise of bubbles in infinite liquid using level set method. <i>Canadian Journal of Chemical Engineering</i> , 2008 , 86, 267-275 | 2.3 | 23 |
| 57 | On the particle terminal velocity in a gas-liquid medium with liquid as the continuous phase. <i>Canadian Journal of Chemical Engineering</i> , 1987 , 65, 881-886 | 2.3 | 23 |
| 56 | Characteristics of Choking Behavior in Circulating Fluidized Beds for Group B Particles. <i>Industrial & Engineering Chemistry Research</i> , 2004 , 43, 5507-5520 | 3.9 | 22 |
| 55 | Dual imaging modality of granular flow based on ECT sensors. <i>Granular Matter</i> , 2008 , 10, 75-80 | 2.6 | 21 |
| 54 | Synthesis of High-Surface-Area SiC through a Modified Sol-Gel Route: Control of the Pore Structure. <i>Industrial & Engineering Chemistry Research</i> , 2004 , 43, 4732-4739 | 3.9 | 21 |
| 53 | ECVT imaging and model analysis of the liquid distribution inside a horizontally installed passive cyclonic gas-liquid separator. <i>Chemical Engineering Science</i> , 2016 , 141, 231-239 | 4.4 | 20 |
| 52 | Chemical Looping Gasification for Producing High Purity, H ₂ -Rich Syngas in a Cocurrent Moving Bed Reducer with Coal and Methane Cofeeds. <i>Industrial & Engineering Chemistry Research</i> , 2018 , 57, 2461-2475 ¹⁹ | 3.9 | 19 |
| 51 | Slurry bubble column measurements using advanced electrical capacitance volume tomography sensors. <i>Powder Technology</i> , 2019 , 355, 474-480 | 5.2 | 18 |
| 50 | Calcium Looping Process for Enhanced Catalytic Hydrogen Production with Integrated Carbon Dioxide and Sulfur Capture. <i>Industrial & Engineering Chemistry Research</i> , 2011 , 50, 1716-1729 | 3.9 | 18 |
| 49 | Electrical Capacitance Volume Tomography for Characterization of Gas-Solid Slugging Fluidization with Geldart Group D Particles under High Temperatures. <i>Industrial & Engineering Chemistry Research</i> , 2018 , 57, 2687-2697 | 3.9 | 17 |

| | | | |
|----|--|------|----|
| 48 | ECVT imaging of 3D spiral bubble plume structures in gas-liquid bubble columns. <i>Canadian Journal of Chemical Engineering</i> , 2014 , 92, 2078-2087 | 2.3 | 17 |
| 47 | Clean coal technologies: OSCAR and CARBONOX commercial demonstrations. <i>AIChE Journal</i> , 2002 , 48, 2115-2123 | 3.6 | 17 |
| 46 | A Semianalytical Expression for the Drag Force of an Interactive Particle Due to Wake Effect. <i>Industrial & Engineering Chemistry Research</i> , 2002 , 41, 5094-5097 | 3.9 | 16 |
| 45 | Concentration multiplicity in a draft tube fluidized-bed bioreactor involving two limiting substrates. <i>Biotechnology and Bioengineering</i> , 1988 , 31, 24-34 | 4.9 | 15 |
| 44 | EXPERIMENTAL OBSERVATION OF NONHOMOGENEITY IN A LIQUID-SOLID FLUIDIZED BED OF SMALL PARTICLES. <i>Chemical Engineering Communications</i> , 1985 , 37, 141-157 | 2.2 | 15 |
| 43 | Design and Operations of a 15 kWth Subpilot Unit for the Methane-to-Syngas Chemical Looping Process with CO ₂ Utilization. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 6886-6899 | 3.9 | 15 |
| 42 | Bulk coarse particle arching phenomena in a moving bed with fine particle presence. <i>AIChE Journal</i> , 2014 , 60, 881-892 | 3.6 | 13 |
| 41 | Mechanism of selenium sorption by activated carbon. <i>Canadian Journal of Chemical Engineering</i> , 2000 , 78, 168-174 | 2.3 | 13 |
| 40 | Recurrent neural network based detection of faults caused by particle attrition in chemical looping systems. <i>Powder Technology</i> , 2020 , 367, 266-276 | 5.2 | 13 |
| 39 | Heterogeneous structure in gas-solid riser flows. <i>AIChE Journal</i> , 2008 , 54, 1459-1469 | 3.6 | 12 |
| 38 | Enhancing Nitrogen Electroreduction to Ammonia by Doping Chlorine on Reduced Graphene Oxide. <i>ACS Catalysis</i> , 2020 , 10, 14928-14935 | 13.1 | 12 |
| 37 | Operating Strategy of Chemical Looping Systems with Varied Reducer and Combustor Pressures. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 5228-5235 | 3.9 | 11 |
| 36 | Three-dimensional direct numerical simulation for film-boiling contact of moving particle and liquid droplet. <i>Physics of Fluids</i> , 2006 , 18, 117104 | 4.4 | 11 |
| 35 | Flow Characteristics of Coal Ash in a Circulating Fluidized Bed. <i>Industrial & Engineering Chemistry Research</i> , 1998 , 37, 1499-1509 | 3.9 | 11 |
| 34 | High-Pressure Reaction Kinetics of Hydrogen Sulfide and Uncalcined Limestone Powder. <i>Industrial & Engineering Chemistry Research</i> , 1999 , 38, 3802-3811 | 3.9 | 11 |
| 33 | Thermodynamic and Process Analyses of Syngas Production Using Chemical Looping Reforming Assisted by Flexible Dicalcium Ferrite-Based Oxygen Carrier Regeneration. <i>Energy & Fuels</i> , 2020 , 34, 6490-6500 | 4.1 | 11 |
| 32 | High-Pressure Chemical Looping Reforming Processes: System Analysis for Syngas Generation from Natural Gas and Reducing Tail Gases. <i>Energy & Fuels</i> , 2018 , 32, 10408-10420 | 4.1 | 11 |
| 31 | Syngas chemical looping process: Dynamic modeling of a moving-bed reducer. <i>AIChE Journal</i> , 2013 , 59, 3432-3443 | 3.6 | 10 |

| | | | |
|----|---|-----|----|
| 30 | Thermodynamic Investigation of Process Enhancement in Chemical Looping Reforming of Methane through Modified CaFe Oxygen Carrier Utilization. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 15531-15541 | 3.9 | 10 |
| 29 | Characteristics of high-pressure liquid-solid fluidization. <i>AIChE Journal</i> , 1997 , 43, 45-57 | 3.6 | 9 |
| 28 | Experimental Studies of Liquid Weeping and Bubbling Phenomena at Submerged Orifices. <i>Industrial & Engineering Chemistry Research</i> , 2002 , 41, 1666-1677 | 3.9 | 9 |
| 27 | Cyclic redox scheme towards shale gas reforming: a review and perspectives. <i>Reaction Chemistry and Engineering</i> , 2020 , 5, 2204-2220 | 4.9 | 9 |
| 26 | Hydrogen Production from Natural Gas Using an Iron-Based Chemical Looping Technology: Process Modeling, Heat Integration, and Exergy Analysis. <i>Energy Technology</i> , 2020 , 8, 1900377 | 3.5 | 9 |
| 25 | Liquid Entrainment in High-Pressure Bubble Columns. <i>Industrial & Engineering Chemistry Research</i> , 2005 , 44, 3776-3782 | 3.9 | 8 |
| 24 | Acetic Acid Production Using Calcium Ferrite-Assisted Chemical Looping Gasification of Petroleum Coke With In Situ Sulfur Capture. <i>Energy & Fuels</i> , 2020 , 34, 16560-16571 | 4.1 | 8 |
| 23 | Solid oxide fuel cells fueled with reduced Fe/Ti oxide. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 2242-2250 | 3.6 | 7 |
| 22 | Ionic transfer mechanism of COS reaction with CaO: Inert marker experiment and density functional theory (DFT) calculation. <i>AIChE Journal</i> , 2012 , 58, 2617-2620 | 3.6 | 6 |
| 21 | 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> , 1991 , 108, 347-364 ^{2,2} | 3.6 | 6 |
| 20 | Codoping Mg-Mn Based Oxygen Carrier with Lithium and Tungsten for Enhanced C ₂ Yield in a Chemical Looping Oxidative Coupling of Methane System. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 2651-2660 | 8.3 | 6 |
| 19 | SBA-16-Mediated Nanoparticles Enabling Accelerated Kinetics in Cyclic Methane Conversion to Syngas at Low Temperatures. <i>ACS Applied Energy Materials</i> , 2020 , 3, 9833-9840 | 6.1 | 4 |
| 18 | Noncatalytic gas-solid reactions in a vertical pneumatic transport reactor. <i>AIChE Journal</i> , 1984 , 30, 21-29 | 3.6 | 3 |
| 17 | Mechanistic Insight into Hydrogen-Assisted Carbon Dioxide Reduction with Ilmenite. <i>Energy & Fuels</i> , 2020 , 34, 15370-15378 | 4.1 | 3 |
| 16 | Driving Towards Highly Selective and Coking-Resistant Natural Gas Reforming Through a Hybrid Oxygen Carrier Design. <i>ChemCatChem</i> , 2021 , 13, 617-626 | 5.2 | 3 |
| 15 | A machine learning-based interaction force model for non-spherical and irregular particles in low Reynolds number incompressible flows. <i>Powder Technology</i> , 2021 , 392, 632-638 | 5.2 | 3 |
| 14 | CHEMICAL LOOPING TECHNOLOGY FOR FOSSIL FUEL CONVERSION WITH IN SITU CO ₂ CONTROL 2017 , 377-404 | | 2 |
| 13 | Coal-Direct Chemical Looping Process with In Situ Sulfur Capture for Energy Generation Using CaCu Oxygen Carriers. <i>Industrial & Engineering Chemistry Research</i> , 2021 , 60, 11231-11240 | 3.9 | 2 |

| | | | |
|----|---|-----|---|
| 12 | Enhanced methane conversion using Ni-doped calcium ferrite oxygen carriers in chemical looping partial oxidation systems with CO ₂ utilization. <i>Reaction Chemistry and Engineering</i> , 2021 , 6, 1928-1939 | 4.9 | 2 |
| 11 | Process Analysis of Chemical Looping Systems for Dimethyl Ether Synthesis from Coal 2020 , 5, 17-26 | | 1 |
| 10 | Particle Technology 2019 , 1-51 | | 1 |
| 9 | Three-dimensional dynamic characterization of square-nosed slugging phenomena in a fluidized bed. <i>Particuology</i> , 2021 , 67, 35-35 | 2.8 | 1 |
| 8 | 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> , 2021 , 99, 1520-1534 | 2.3 | 1 |
| 7 | Mo-Doped FeS Mediated H ₂ Production from H ₂ S via an In Situ Cyclic Sulfur Looping Scheme. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 11204-11211 | 8.3 | 1 |
| 6 | 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 |
| 5 | A machine learning-based particle-particle collision model for non-spherical particles with arbitrary shape. <i>Chemical Engineering Science</i> , 2022 , 251, 117439 | 4.4 | 0 |
| 4 | External Electric Field Induced Reaction Chemistry: A Review and Perspectives. <i>ACS Symposium Series</i> , 2020 , 207-227 | 0.4 | |
| 3 | The Moving Bed Fuel Reactor Process 2018 , 1-40 | | |
| 2 | The Role of Chemical Looping in Industrial Gas Separation 2022 , 199-237 | | |
| 1 | Applications of electrical capacitance tomography in industrial systems 2022 , 799-821 | | |