

## Keywords List, Chinese Journal of Chemical Engineering(CJChE )

- absorption
- activated carbon
- activation
- activity coefficient
- adsorbents
- adsorption
- aeration
- aerobic
- aerosol
- agglomeration
- aggregation
- alcohol
- algorithm
- alkane
- alumina
- anaerobic
- antibody
- aqueous solution
- attrition
- autocatalysis
- azeotrope
- batchwise
- benzene
- binary mixture
- biocatalysis
- biochemical engineering
- biodiesel
- bioenergy
- biofilm
- biofuel
- biological engineering
- biomass
- biomedical engineering
- biomolecular engineering
- bioprocess
- bioreactors
- bioseparation
- biotechnology
- biotemplating
- blend
- bubble
- bubble column
- bubble column reactor
- carbon dioxide
- carbon monoxide
- catalysis
- catalyst
- catalyst activation
- catalyst support
- cell biology
- cell engineering
- centrifugation
- chaos
- chemical analysis
- chemical processes
- chemical reaction
- chemical reactors
- chromatography
- circulating fluidized bed
- CO<sub>2</sub> capture
- coagulation
- coal combustion
- coalescence
- coking
- colloid
- column
- complex fluids
- complexes
- composites
- compressor
- computational chemistry
- computational fluid dynamics,CFD
- computer simulation
- condensation
- control
- convection
- corrosion
- crushing
- crystallization
- deactivation
- degradation
- DEM
- deposition
- desalination
- design
- desorption
- dialysis
- diffusion
- discrete element modeling
- dispersion
- dissolution
- distillation
- distributions
- DNA
- downstream processing
- drainage
- drying
- dust
- dynamic modeling
- dynamic simulation
- dynamics
- economics
- elasticity
- electrochemistry
- electrolysis
- electrolytes
- electronic materials
- electro-osmosis
- electrophoresis
- emulsions
- enthalpy
- entropy
- environment
- enzyme
- equation of state
- equilibrium
- esterification
- evaporation
- exergy
- experimental validation
- explosions
- extraction
- extrusion
- fabrication
- fermentation
- film
- filtration
- fixed-bed
- flotation
- flow
- flow regimes
- flue gas
- fluid mechanics
- fluidization
- fluidized-bed
- foam
- food processing
- formulation
- fouling
- fractals
- fuel
- fuel cells
- gas
- gas holdup
- gasification
- gas-liquid flow
- gels
- genetic algorithm
- global optimization
- granular flow
- granular materials
- granulation
- greenhouse gas
- HDS
- heat conduction
- heat transfer
- homogenization
- humidification
- hydrate
- hydrocarbons
- hydrodynamics
- Hydrogen
- hydrogen production
- hydrogenation
- hydrolysis
- hydrothermal
- imaging
- immobilization
- instability
- instrumentation
- integration
- interface
- interfacial rheology
- interfacial tension
- ion exchange
- ionic liquids
- kinetic modeling
- kinetic theory
- kinetics
- laminar flow
- leaching
- liquefaction
- manufacture
- mass transfer
- mathematical modeling
- measurement

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|-------------------------|-------------------------|-------------------------|---------------------------|
| ● mechanical properties | ● Numerical analysis    | ● production            | ● stability               |
| ● membranes             | ● numerical simulation  | ● protein               | ● static mixer            |
| ● mesoscale             | ● optimal design        | ● protein denaturation  | ● statistical             |
| ● metabolism            | ● optimization          | ● protein refolding     | thermodynamics            |
| ● methane               | ● organic compounds     | ● protein stability     | ● steady state            |
| ● microchannels         | ● oxidation             | ● pump                  | ● stirred vessel          |
| ● microelectronics      | ● packed bed            | ● purification          | ● supercritical carbon    |
| ● microfluidics         | ● parameter estimation  | ● pyrolysis             | dioxide                   |
| ● microreactor          | ● parameter             | ● radiation             | ● supercritical fluid     |
| ● microscale            | identification          | ● radical               | ● supercritical water     |
| ● microstructure        | ● partial oxidation     | ● reaction              | ● support                 |
| ● mixing                | ● particle              | ● reaction engineering  | ● surface                 |
| ● mixtures              | ● particle formation    | ● reaction kinetics     | ● surfactants             |
| ● model                 | ● particle size         | ● reactive distillation | ● suspensions             |
| ● model reduction       | distribution            | ● reactivity            | ● sustainability          |
| ● model-predictive      | ● particulate processes | ● reactors              | ● syngas                  |
| control                 | ● peptide               | ● recovery              | ● synthesis               |
| ● Molding               | ● permeability          | ● reduction             | ● synthetic biology       |
| ● molecular sieves      | ● permeation            | ● regeneration          | ● systems engineering     |
| ● molecular biology     | ● pervaporation         | ● remediation           | ● thermodynamic           |
| ● molecular engineering | ● petroleum             | ● renewable energy      | properties                |
| ● molecular simulation  | ● pharmaceuticals       | ● residence time        | ● thermodynamics          |
| ● molecular synthesis   | ● phase change          | distribution            | ● thermodynamics          |
| ● momentum transfer     | ● phase equilibria      | ● rheology              | process                   |
| ● monoclonal antibody   | ● photochemistry        | ● riser                 | ● tissue engineering      |
| ● monolith              | ● PIV                   | ● safety                | ● tomography              |
| ● Monte Carlo           | ● pneumatic conveying   | ● scale-up              | ● transient response      |
| simulation              | ● pollution             | ● SCR                   | ● transition              |
| ● morphology            | ● polymer processing    | ● sedimentation         | ● transport               |
| ● moulding              | ● polymerization        | ● segregation           | ● transport processes     |
| ● moving bed            | ● polymers              | ● selectivity           | ● trickle-bed reactor     |
| ● multiphase flow       | ● population balance    | ● separation            | ● turbulence              |
| ● multiphase reaction   | ● population balance    | ● sequestration         | ● turbulent flow          |
| ● multiphase reactor    | equations               | ● silica                | ● two-phase flow          |
| ● multiscale            | ● porous media          | ● simulation            | ● ultrafiltration         |
| ● nanofiltration        | ● powder technology     | ● sintering             | ● vapor liquid equilibria |
| ● nanomaterials         | ● powders               | ● size distribution     | ● vaporization            |
| ● nanoparticles         | ● precipitation         | ● slurry                | ● virus-like particle     |
| ● nanostructure         | ● prediction            | ● soft solids           | ● viscosity               |
| ● nanotechnology        | ● preparation           | ● solar energy          | ● voidage                 |
| ● natural gas           | ● principal component   | ● solid mechanics       | ● waste treatment         |
| ● neural networks       | analysis                | ● solubility            | ● waste water             |
| ● NMR                   | ● process control       | ● solution              | ● wind energy             |
| ● nonlinear dynamics    | ● process systems       | ● solvent extraction    | ● zeolite                 |
| ● non-Newtonian fluids  | ● product design        | ● solvents              |                           |
| ● nucleation            | ● product engineering   | ● sorbents              |                           |