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## Haoquan Hu



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## Research Areas:

- The application of supercritical fluid in extraction and chemical reactions
- The preparation and application of carbon and other porous materials
  - Preparation of mesoporous materials for catalyst and adsorbent
  - Preparation of carbon membrane and carbon aerogels
- Fundamental and applied research on the pyrolysis of coal, oil shale and biomass
  - The integrated process of coal pyrolysis with methane partial catalytic oxidation for high liquid product
  - The characterization of weak covalent bonds in low and medium rank coal and free radicals during coal pyrolysis
  - Coal and biomass to chemicals by hydroliquefaction
  - Kinetic study on coal direct liquefaction

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