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## Chunshan Song



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## Research Areas:

- Molecular Basket Sorbents for CO<sub>2</sub> & H<sub>2</sub>S/NO<sub>2</sub>/SO<sub>2</sub> Capture
- Processing of hydrocarbon fuels and bio-fuels for ultra clean fuels and fuel cells
  - Selective adsorption for removing sulfur (SARS)
  - Sulfur-tolerant and Carbon-resistant catalyst for low-temperature reforming of hydrocarbons

## Research Tools:

- catalytic reactions
- adsorption
- nano-porous materials
- analytical characterization of materials
- molecular simulation

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