

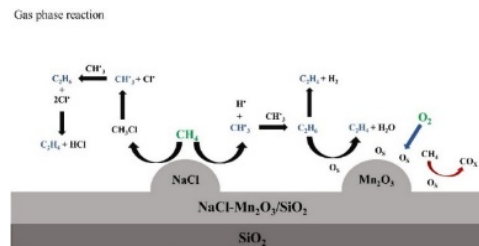
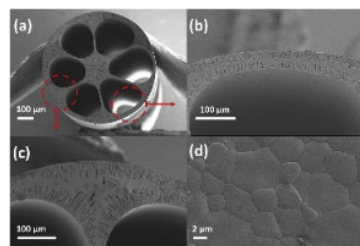
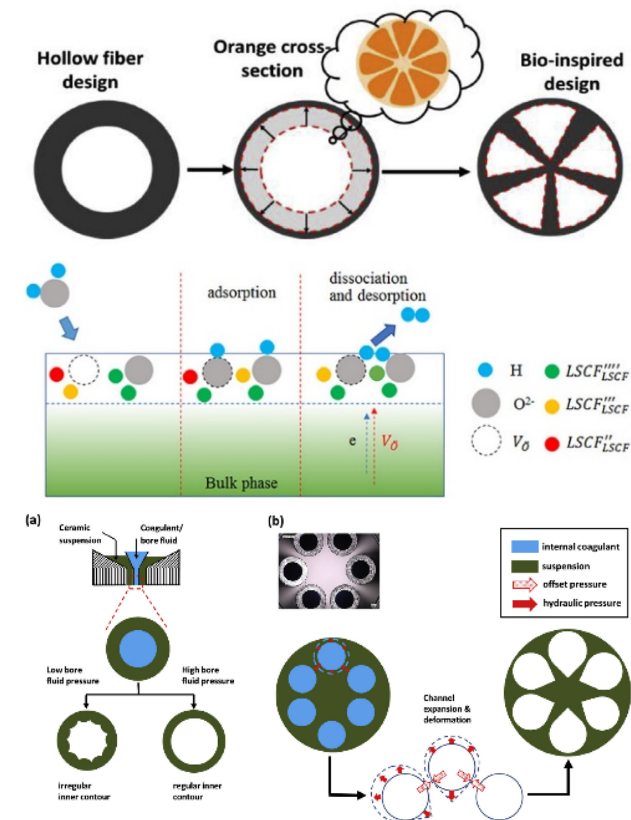


Research Area:

- Synthesis gas and hydrogen production
- Solar thermochemical reaction
- Water splitting
- Engineering of photocatalysis
- CO₂ Utilization
- Synthesis gas to synthesis fuels/chemicals
- Micro reactor technologies

Research Explanation:

" Engineering of catalytic processes and petrochemical reactions; Development of new catalysts; Experimental and simulated research of environmentally-friendly alternative energy methods including hydrogen and synthesis gas production, thermochemical cycles processes, CO₂ and N₂O utilization, syngas to chemicals (e.g. DME synthesis, methanol synthesis, CO₂ to methanol and CO₂ to syngas), hydro-treating, biomass to energy (e.g. gasification and pyrolysis). "



Chemical and Process Engineering

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Collaboration:

