

# Sustainable Energy Materials

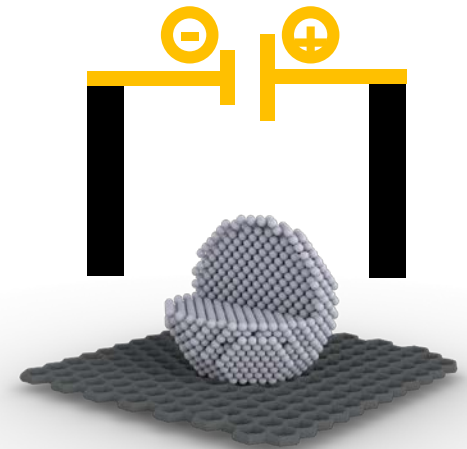
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Projects:

- Nanomaterials and electrocatalysis:
  - Polymer electrolyte membrane water electrolysis
  - Polymer electrolyte membrane fuel cells
  - Hydrogen peroxide production
  - Carbon dioxide reduction
- Stability of electrocatalysts

Goals:

- Reduce the noble metal content
- Increase the electrochemical stability
- Identify structure property relationships



**nanomaterials  
electrocatalysis**