

## Structure Design Principles

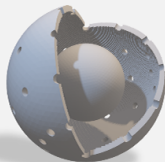


Rational design strategy  
Confinement engineering  
AI-assisted design



## Electrocatalysis

HER / OER / CO<sub>2</sub>RR / NRR etc.  
Reaction pathway engineering  
Selectivity control



Hollow  
Nanoarchitecture



## Mechanistic evaluation

Operando characterization  
Computational modeling  
Structure-function relationship



## Feedback

Data-driven optimization  
AI-assisted discovery  
Feedback loop

