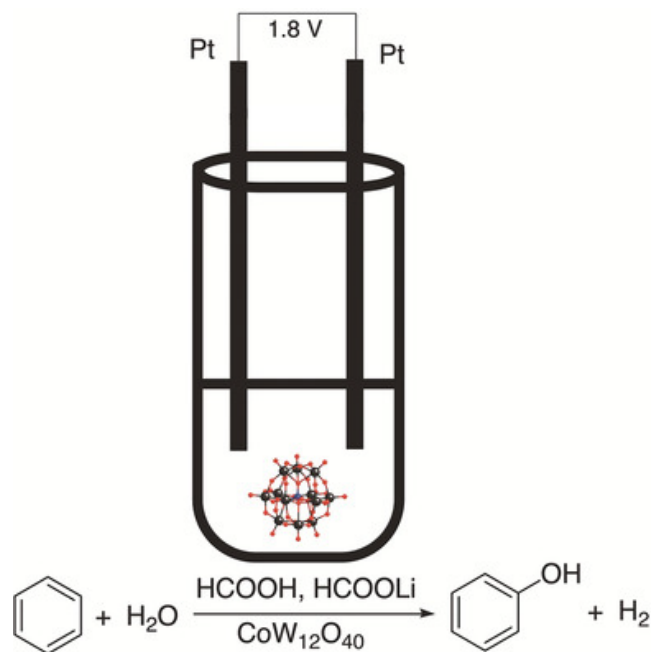


A sustainable method for phenol production using electrocatalytic oxidation of benzene.



## APPLICATIONS

- Production of phenol from benzene
- Production of acetaldehyde from ethylene
- Production of malonic and/or pyruvic acids from acrylic acid
- Production of various alcohols from aliphatic and aromatic hydrocarbons

## DEVELOPMENT STAGE

A proof of concept was demonstrated on a lab scale.

Non-optimized reaction conditions:  
Faradaic efficiency of 75% and 35% yield.

## DIFFERENTIATION



Safe – process  
in low Temp.



Highly Selective  
(no acetone as  
co-product)



Cost-Effective



Simple and  
fast process