

Electrocatalytic
Reactions

Water electrolysis

CO₂ reduction

Different fuel cells

Catalytic electrosynthesis

Electrocatalytic hydrogenation

Alcohol oxidation

Homogeneous electrocatalysis

Heterogeneous electrocatalysis

This work

1959 - 1960

1996

2019^a

2019^b - 2020

Solution Electrochemical-EPR

Film Electrochemical-EPR

Cell

Custom cell

Silica tube

Flat cell

Custom Loop Gap
Resonator (LGR) cell

Quartz tube

WE

Mercury electrode

Pt wire/mesh

Au wire/mesh

Ag wire

Graphite

3D mesoporous ITO

ITO thin film

Electrochemical-EPR