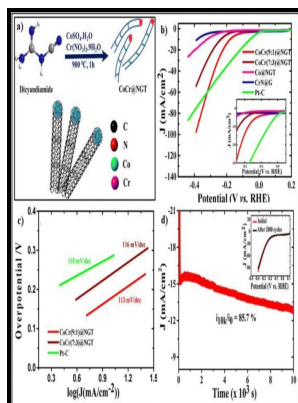


Nickel-based amorphous alloys with Cr/V additions for the hydrogen evolution reaction in alkaline solution

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Electrochemical Behavior of Ni

The first two pathways are due to dehydrogenation which would lead either to adsorbed CH_3CHOH or $\text{CH}_3\text{CH}_2\text{O}$ in the first step. However, it remains a great challenge to address the sluggish reaction kinetics and severe deactivation problems of hydrogen evolution reaction HER.

Electrochemical Behavior of Ni

In a typical synthesis, the electrodeposition was conducted in an electrolyte containing 0.

The hydrogen evolution reaction on amorphous nickel and cobalt alloys

Leger, Catalysis Sustainable Energy Production, P. The overall experimental data indicate that interesting electrocatalytic performances are displayed by the Fe75Mo20MM5 electrode, which exhibits the highest activity towards the HER. The Impact Factor itself is based only on Web of Science Core Collection citation data from the last three years and thus reflects only recent impact.

Bacterial nanocellulose as a green and flexible electrode matrix for efficient hydrogen evolution reaction in alkaline conditions

Conclusion The electrocatalytic performance of Fe75Mo20R5 $\frac{1}{4}$ Gd, Dy, Er, MM crystalline alloys for hydrogen evolution in 1 M NaOH solution at 298 K was studied by linear dc polarization and electrochemical impedance spectroscopy techniques.

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