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Pd doped three-dimensional porous Ni film supported on Ni foam and its high performance towards NaBH_4 electrooxidation

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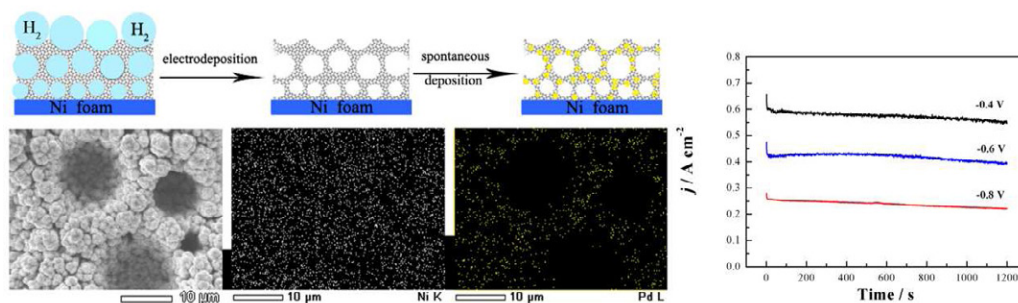
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Graphic abstract



A novel, simple 3D electrode with high performance for NaBH_4 oxidation is prepared. The oxidation current density on the Pd-porous Ni/Ni foam electrode at a potential of -0.6 V (2.2 A mg^{-1}) is about 22 times of that for Pd/C (0.1 A mg^{-1}) reported previously.

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