

Novel Catalyst for Hydrogen Generation from Sodium Borohydride Solution

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A novel catalyst for hydrogen generation from sodium borohydride solution was investigated. The hydrolysis of NaBH₄ has been attracted because of the large hydrogen content of 10.9 wt.%. The special catalyst was necessary to produce hydrogen from NaBH₄ solution. For this purpose, the catalysts such as Pt, Ru, PtRu supported on LiCoO₂ and anion exchange resin were fabricated. The effects of support material, NaBH₄ concentration, catalyst loading were discussed.

References

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