

Electronical Supporting Information

**Insights into the Effect of Surface Functional Groups on Catalytic
Performance for Hydrogen Generation from Sodium Borohydride**

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Table S1 Comparison of catalytic performance for NaBH₄ hydrolysis.

Catalyst	Activation Energy E _a (kJ/mol)	HGR ^b (mLmin ⁻¹ g ⁻¹ _{Metal})	Ref.
P(4-VP)BB-Ni	43.98	1803	51
P(AMPS)-Ru	n.i. ^a	7462	52
P(SGM)-Co	40.78	6859 (70°C)	53
1,4 BB-p(4-VP)-Co	47.60	20411 (70°C)	54
Pt-Ru/LiCoO ₂	n.i. ^a	53000	55
Pt/Resin-SH	64.27	980	This work
Pt/Resin-NH	40.99	5500	This work
Pt/Resin-NH	40.99	24400 (55°C)	This work

a) n.i.: not informed.

b) Reaction temperature: room temperature.

Reference:

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