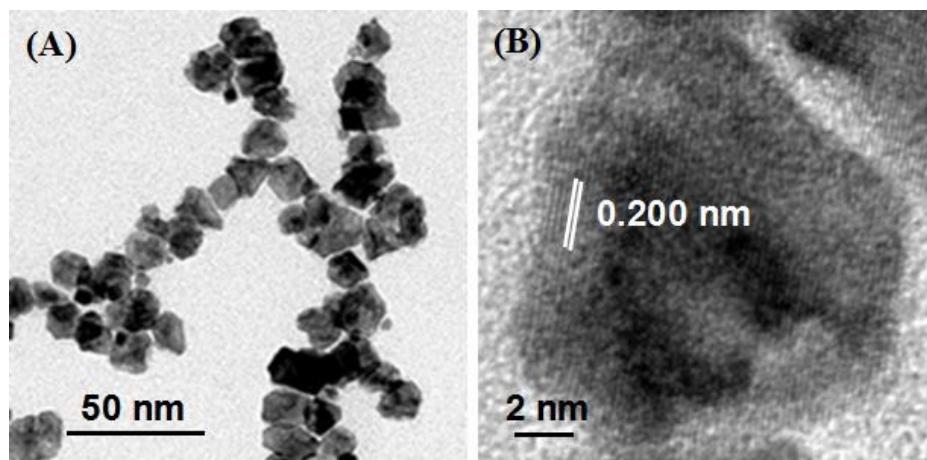


## Comparison of structure and methanol electrooxidation ability from irregular PtNi nanocrystal to PtNiRu nanodendrite

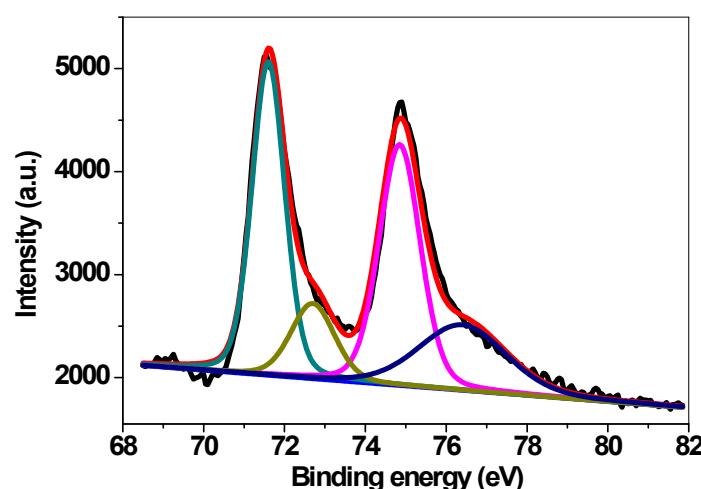
Zirong Li,<sup>1,2#</sup> Zhongyue Guan,<sup>2#</sup> Yuting Chang,<sup>2</sup> Die Hu,<sup>2</sup> Baokang Jin<sup>1\*</sup> and Lei Bai<sup>2\*</sup>

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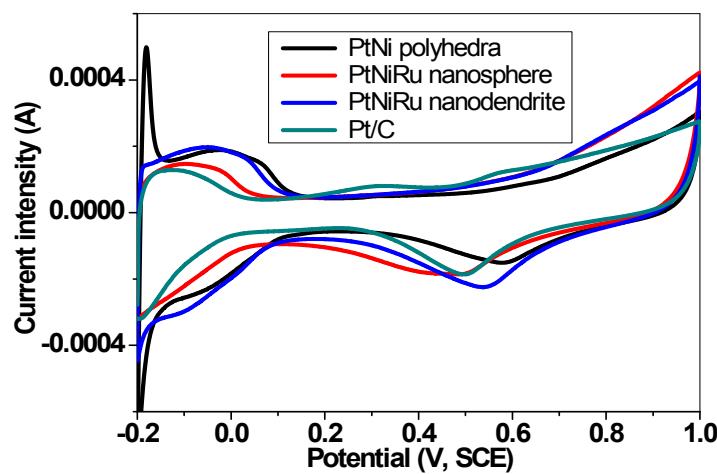
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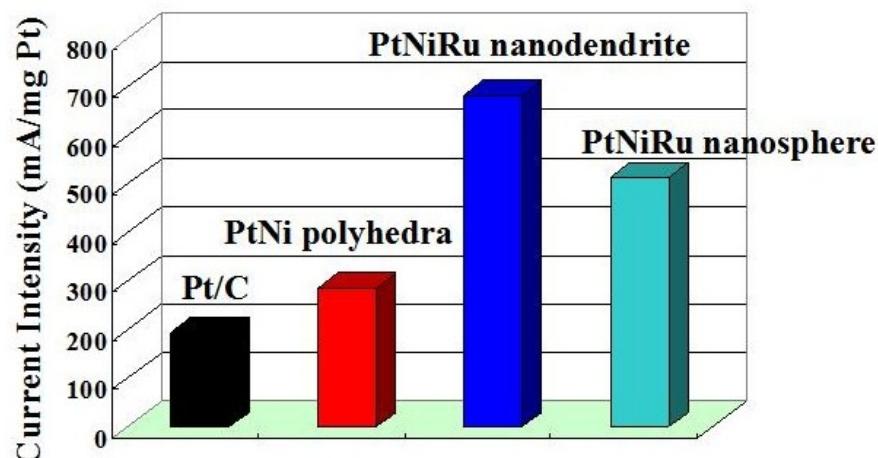
SFig.1. TEM (A) and HRTEM (B) image of PtNi polyhedra.



SFig.2. XPS spectrum of Pt 4f in the PtNi polyhedra.



**SFig. 3.** CV curves of the samples in 0.5 M  $\text{H}_2\text{SO}_4$ .



**SFig. 4.** Comparison of the mass activity of the samples.