

## Supporting Information for

### Carbon Supported High-Loading Sub-4 nm PtCo Alloy Electrocatalysts for Superior Oxygen Reduction Reaction

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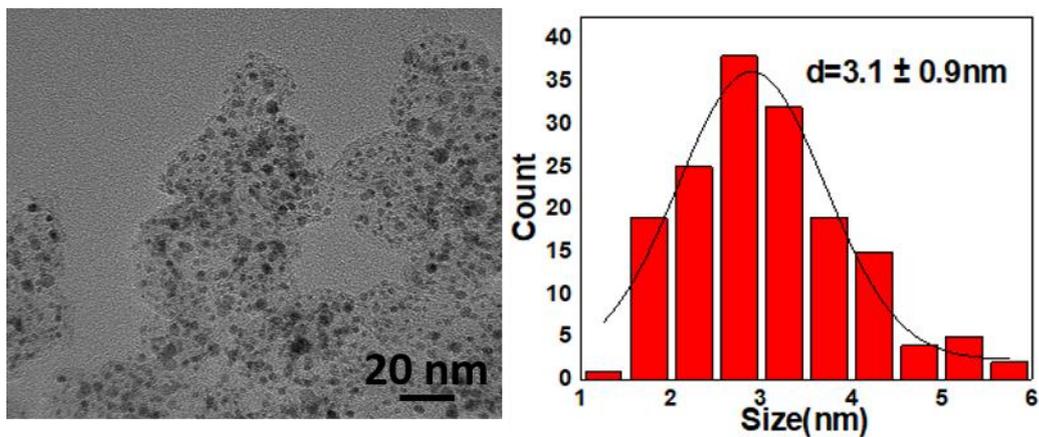
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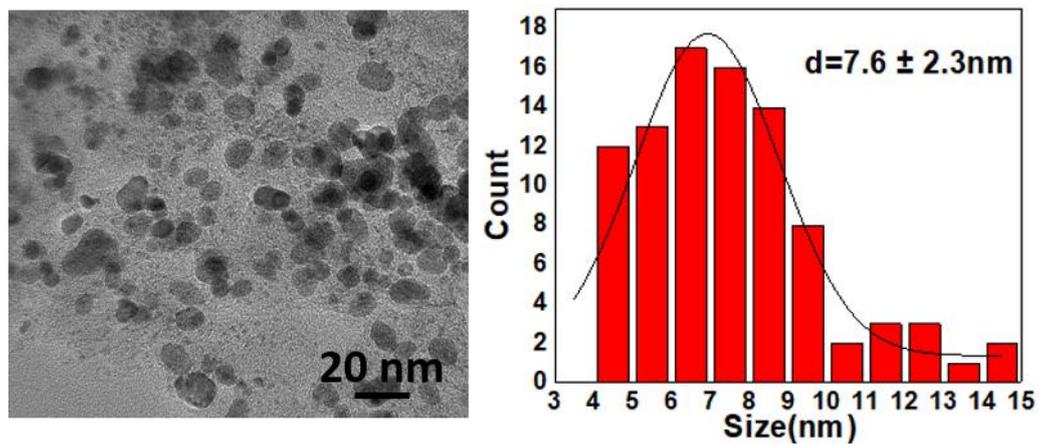
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**Figure S1**



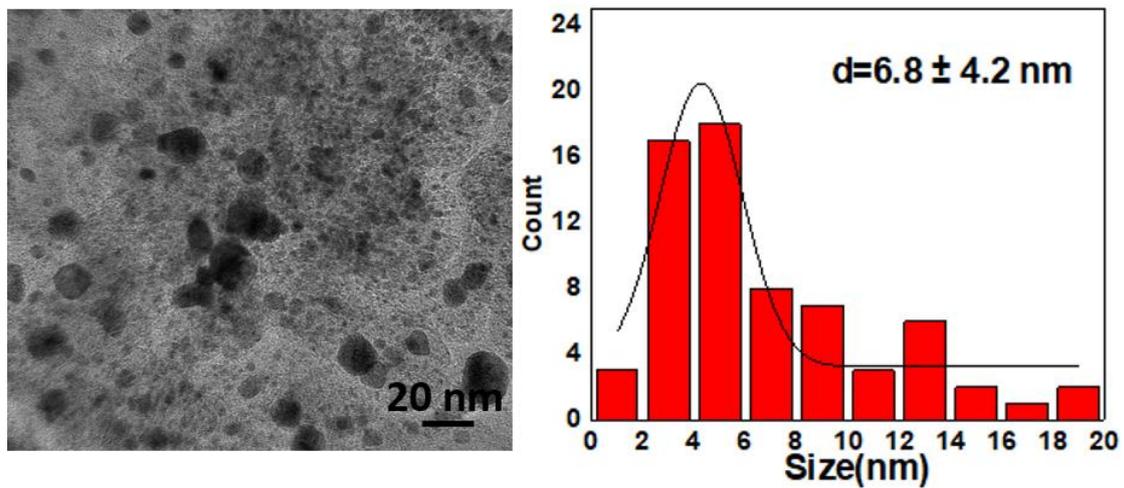
**Figure S1.** TEM image (left) and size distribution (right) of 40% Pt<sub>3</sub>Cu<sub>2</sub>/C catalyst.

**Figure S2**



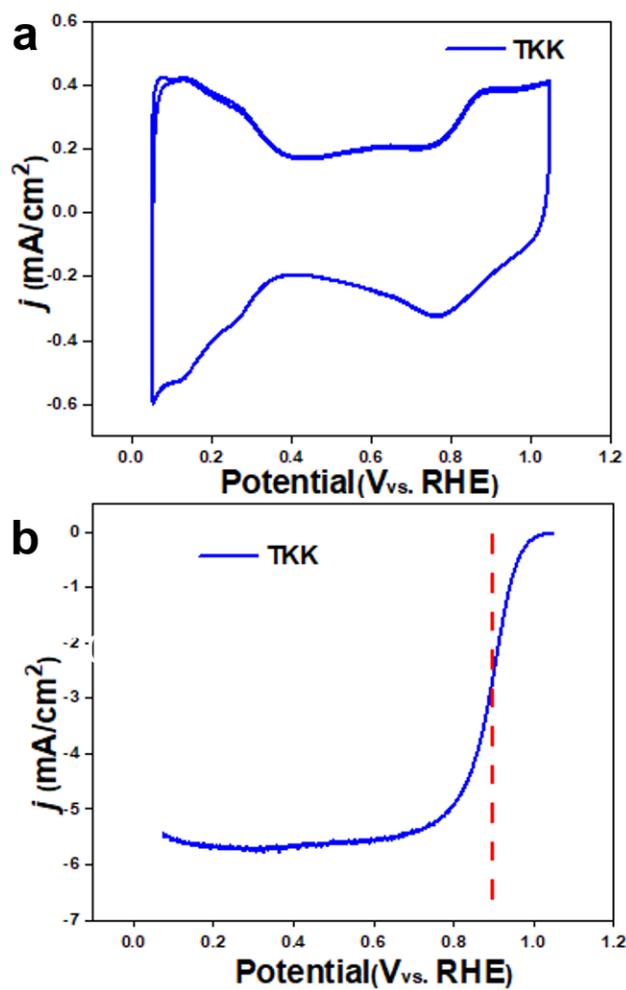
**Figure S2.** TEM image (left) and size distribution (right) of 40% Pt<sub>3</sub>Fe<sub>2</sub>/C catalyst.

**Figure S3**



**Figure S3.** TEM image (left) and size distribution (right) of 40% Pt<sub>3</sub>Ni<sub>2</sub>/C catalyst.

**Figure S4**



**Figure S4.** CV curve in  $\text{N}_2$ -saturated  $0.1 \text{ M HClO}_4$  (a), iR-corrected LSV curve in  $\text{O}_2$ -saturated  $0.1 \text{ M HClO}_4$  (b) of commercial PtCo/C catalysts (TANAKA TKK).