Electronic Supplementary Material (ESI) for Journal of Materials Chemistry A
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Supporting Information:

Pd-around-CeO_{2-x} Hybrid Nanostructure Catalyst: Three-Phase-Transfer Synthesis, Electrocatalytic Property and Dual Promoting Mechanism

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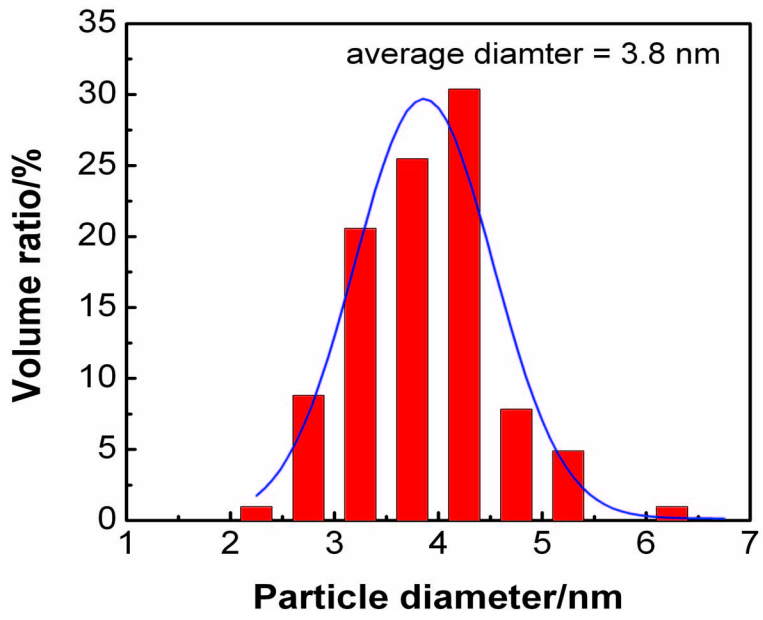

Fig. S1. The histogram of particle size distribution of the CeO_{2-x} nanoparticles.

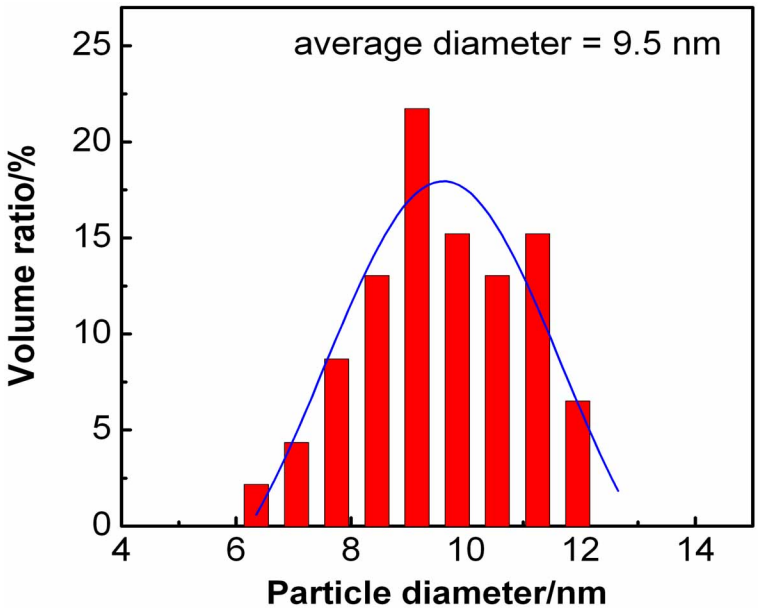

Fig. S2. The histogram of particle size distribution of the Pd-around-CeO_{2-x} hybrid nanostructure.

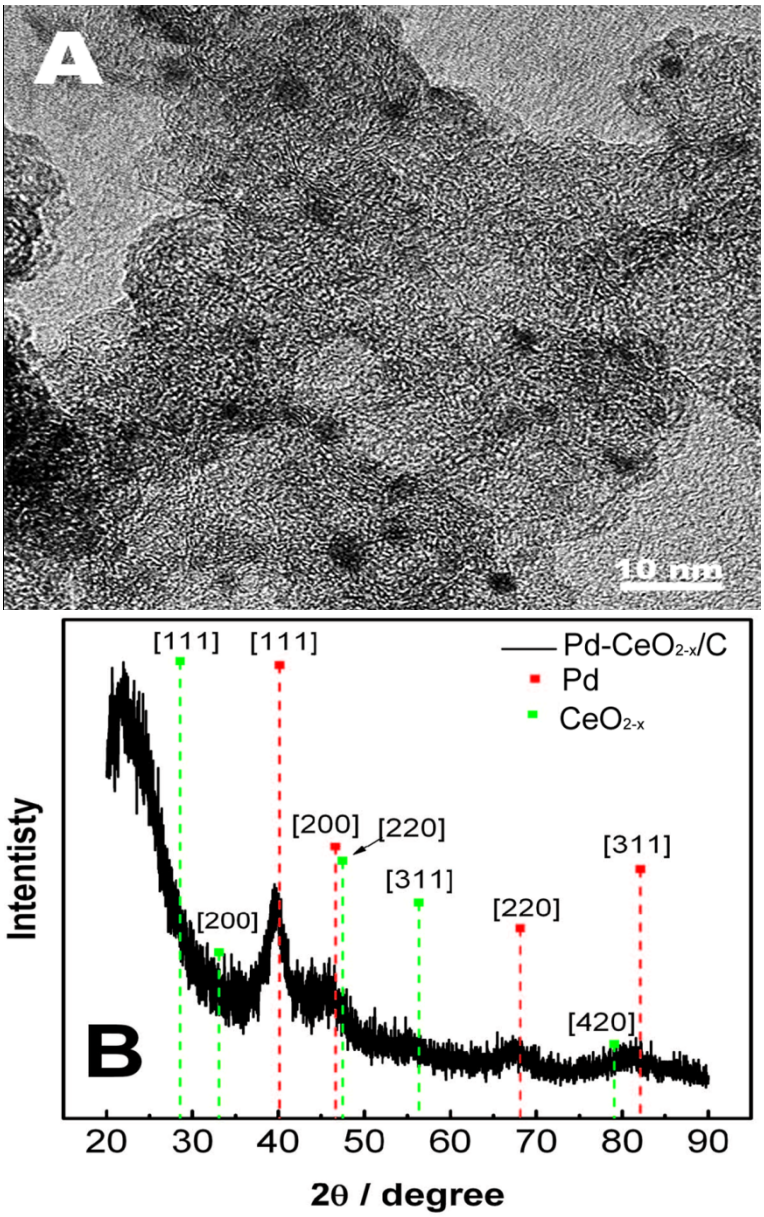

Fig. S3. The TEM image (A) and XRD pattern (B) of Pd-CeO_{2-x}/C catalyst.

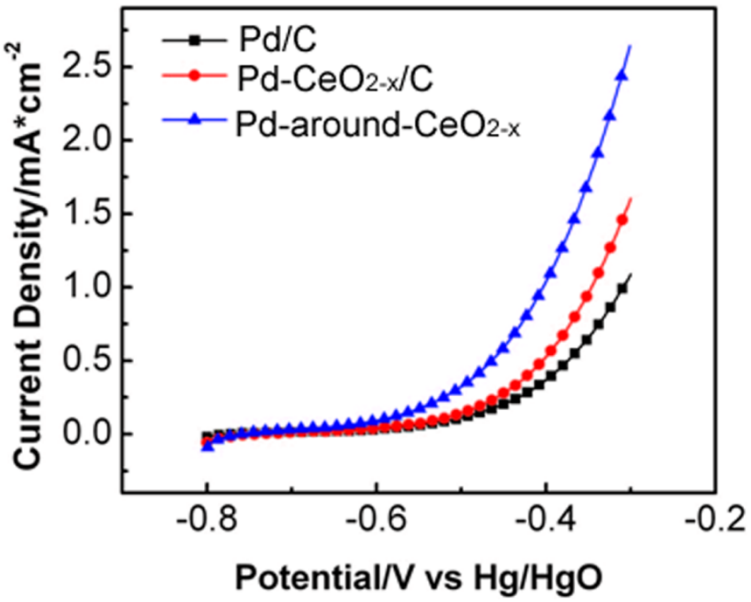

Fig. S4. The onset section of the ethanol electrooxidation reaction in 1.0 M KOH + 0.5 M C_2H_5OH solution