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Strongly Coupled Co, N Co-Doped Carbon nanotubes/Graphene-like Carbon Nanosheets as Efficient Oxygen Reduction Electrocatalysts for Primary Zinc-Air Battery

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Carbon Nanosheets as Efficient Oxygen Reduction Electrocatalysts for  
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**Abstract**

Rational design and feasible synthesis strategy for the construction of carbon-based non-precious metal electrocatalysts for oxygen reduction reaction (ORR), which is the core electrode reaction of fuel cells or metal-air battery, is of paramount importance for the renewable energy conversion and storage applications. Herein, Co, N encapsulated nanocarbon hybrid of carbon nanotubes in situ grown between the graphene-like carbon nanosheets (Co-NCNT/Ng) are fabricated via a one-pot pyrolysis of the mixture of Co precursor, dicyandiamide and glucose. The optimized

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