

Supporting Information

CMK3/ Graphene-N-Co, a low-cost and high-performance catalytic system

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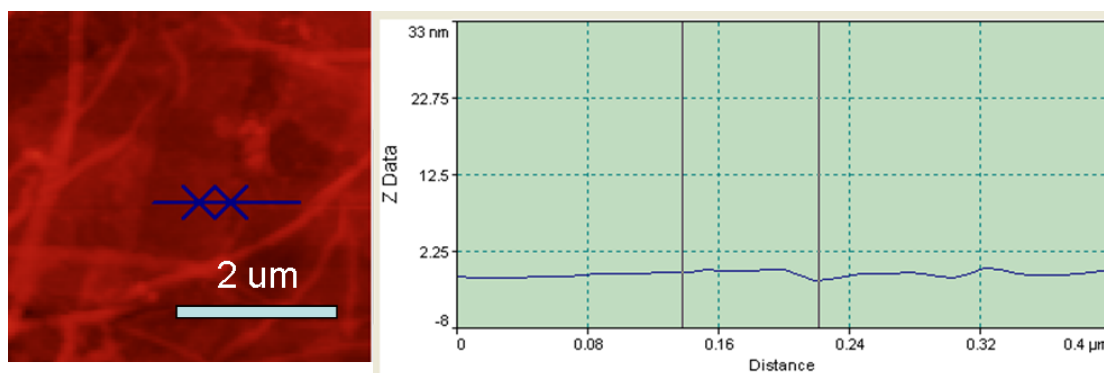


Figure S1. AFM height images of GO.

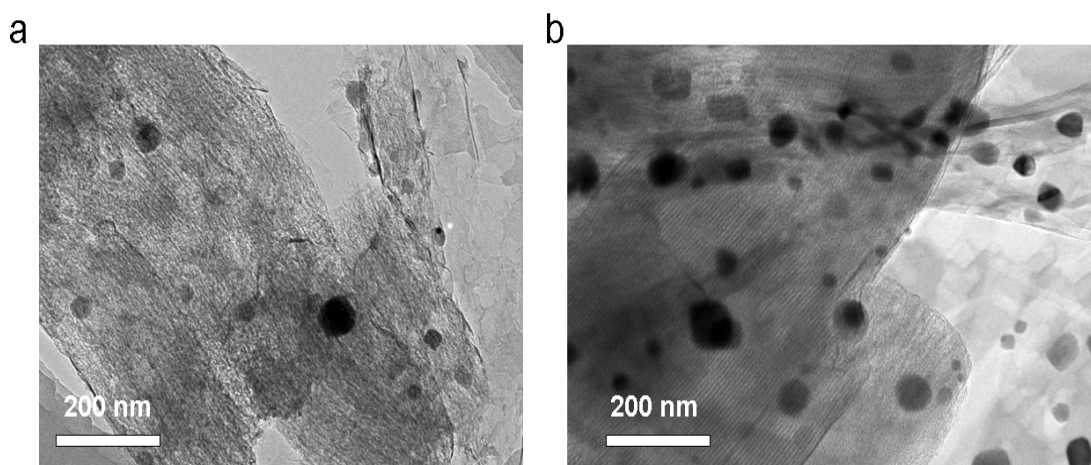


Figure S2. TEM images of the CMK3/G-N-Co with Co content of 0.8 wt% (a) and 4.0 wt.% (b)

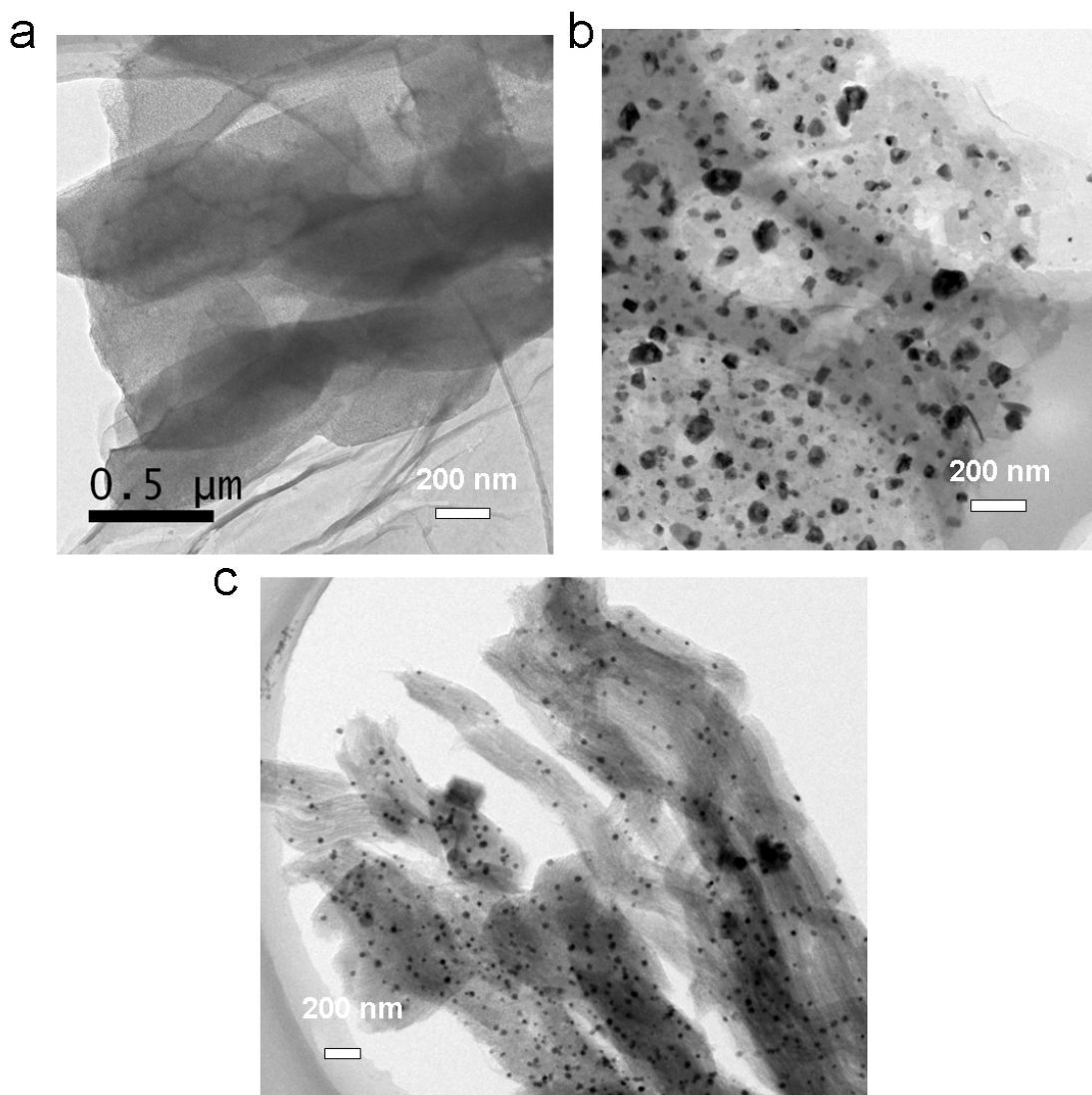


Figure S3. TEM images of the CMK3/G-N (a), G-N-Co (b) and CMK3-N-Co (c)

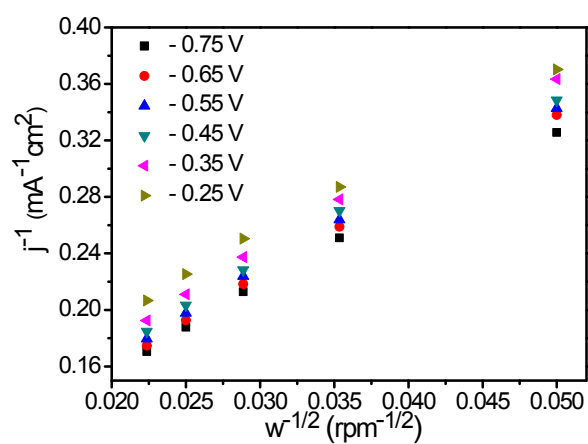


Figure S4. K-L plots at different electrode potentials for the typical CMK3/G-N-Co

Table S1 Percentage of cobalt element in the form of doping in the CMK3/G (%) and in the form of nanoparticles (%)

Products	Percentage of cobalt element in the form of doping in the CMK3/G (%)	Percentage of cobalt element in the form of nanoparticles (%)
P1, 850 °C, 50 min	26.4	73.6
P2, 900 °C, 50 min	12.4	87.6
P3, 950 °C, 50 min	11.6	88.4
P4, 1000 °C, 50 min	14.2	85.8
P5, 950 °C, 20 min	15.6	84.4
P6, 950 °C, 30 min	11.9	88.1