

Electronic Supplementary Information

A facile general strategy for synthesis of palladium-based bimetallic alloyed nanodendrites with enhanced electrocatalytic performance for methanol and ethylene glycol oxidation

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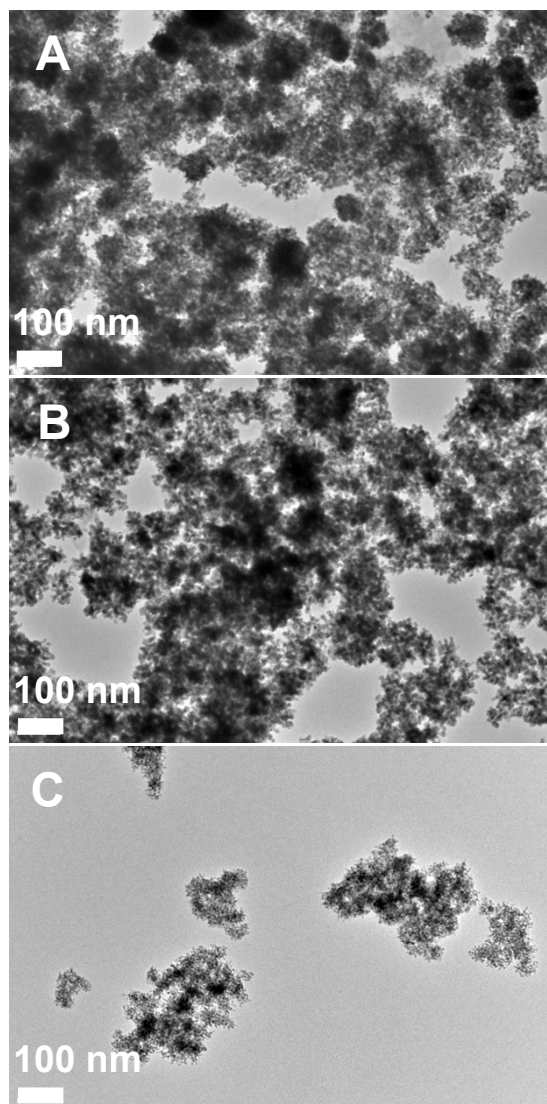


Fig. S1. TEM images of the (A) PdPt, (B) PdCo, and (C) PdNi products prepared without HDPC.

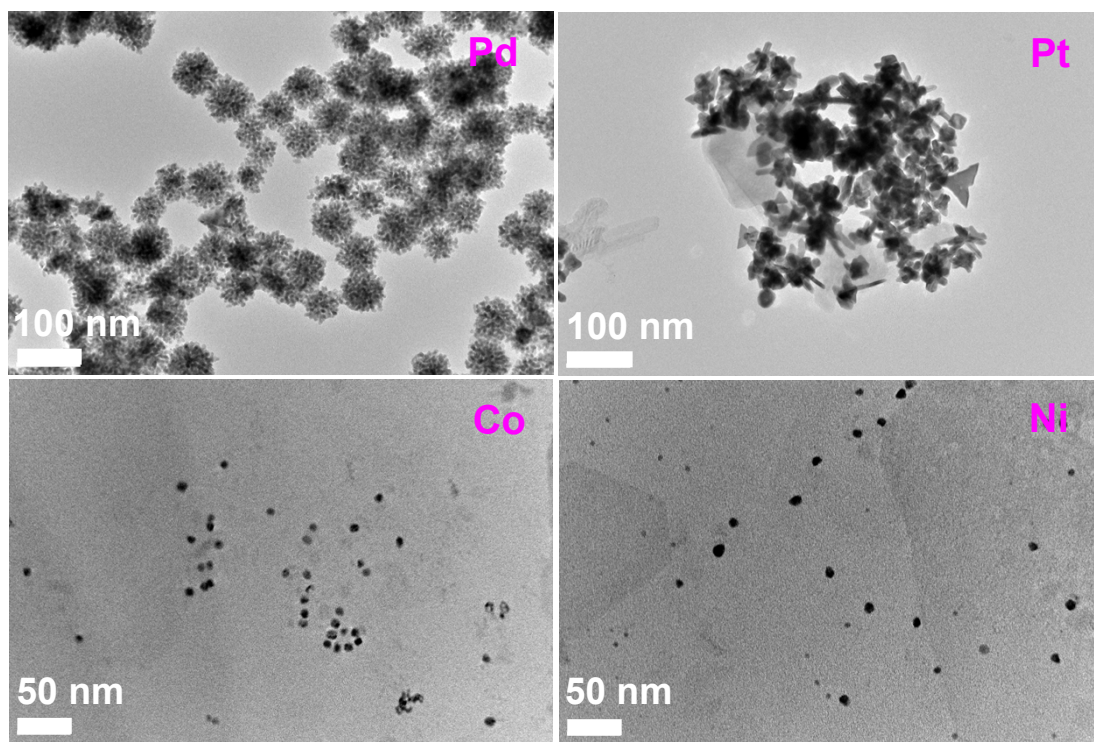


Fig. S2. TEM images of individual Pd, Pt, Co and Ni products.

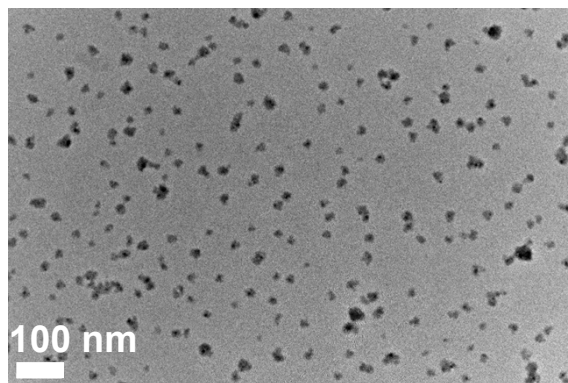


Fig. S3. TEM image of the commercial Pd black catalyst.

Table S1. The electrocatalytic activity of the bimetallic Pd-based catalysts for methanol oxidation

Catalysts	SA (mA cm ⁻²)	MA (mA mg ⁻¹)	references
PdPt NDs	3.34	1052.33	This work
PdCo NDs	2.90	737.82	
PdNi NDs	2.12	467.36	
Pt ₁ Pd ₃ nanocubes/graphene	unavailable	420	1
Pd ₃₄ Pt ₆₆ nanoparticles	0.70	unavailable	2
PtPd nanoicosahedrons	0.33	unavailable	3
Au@Pd core-shell nanoparticles	unavailable	151.9	4
AuPd/graphene	unavailable	80	5
PdAg/C	0.707	unavailable	6
porous PdCu nanoparticles	unavailable	363	7
PdRu/graphene	0.29	unavailable	8

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