Electronic Supplementary Material (ESI) for Sustainable Energy & Fuels.

Supporting information

Highly active, durable and pH-universal hybrid oxide nanocrystals for efficient oxygen evolution

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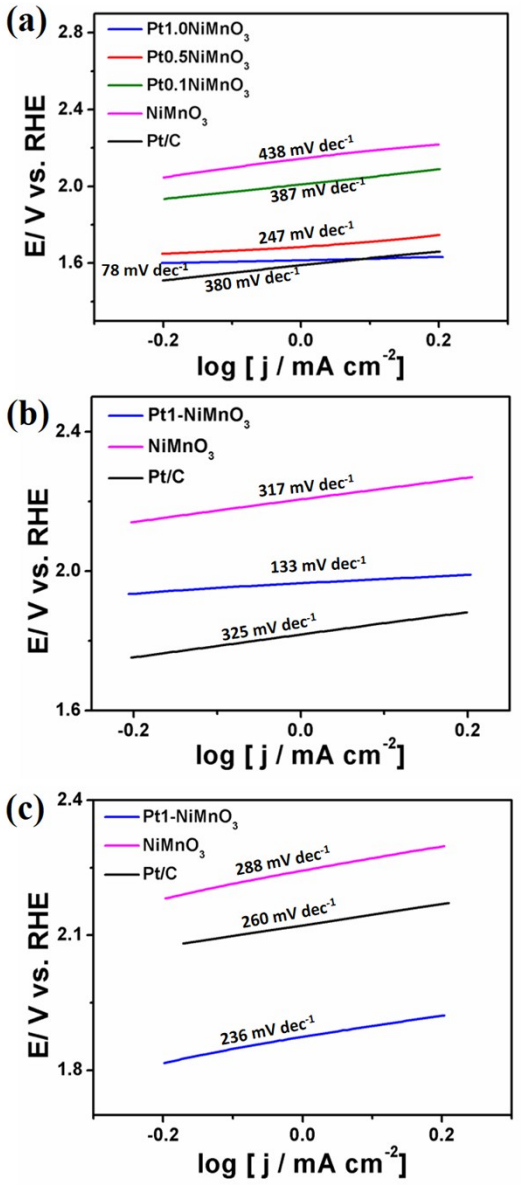

Figure S1. Tafel plot of the as-synthesized nanocatalysts relative to commercial Pt/C measured in (A) 1 M KOH, (b) PBS (pH 7.4), and (c) 0.5 H_2SO_4.

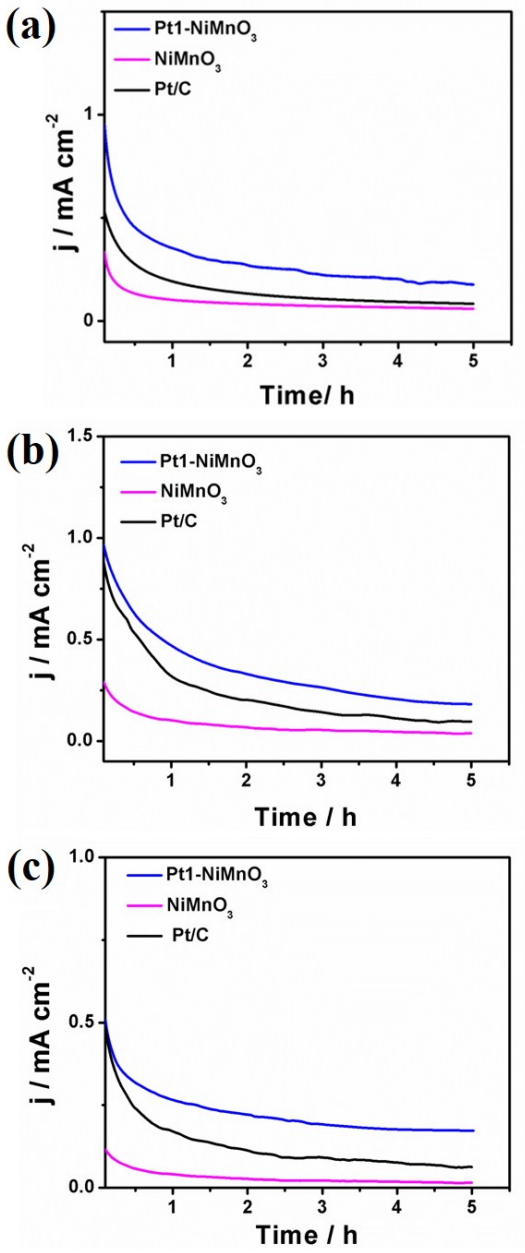

Figure S2. Chronoamperometric tests of the as-synthesized nanocatalysts relative to commercial Pt/C measured for 5 h in (A) 1 M KOH at 1.6 V, (b) PBS (pH 7.4) at 1.82 V, and (c) 0.5 H_2SO_4 at 1.8 V vs. RHE.

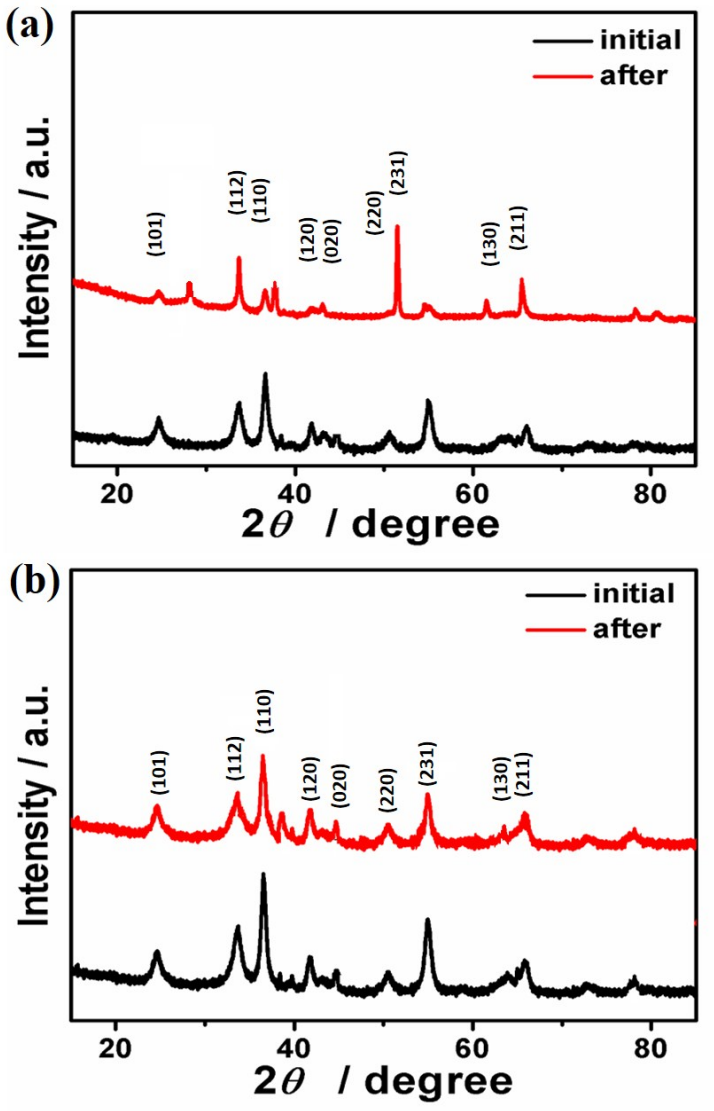

Figure S3. (a) XRD of $NiMnO_3$ and (b) of Pt1-$NiMnO_3$ before and after accelerated durability test for 5 hours in 1M KOH.

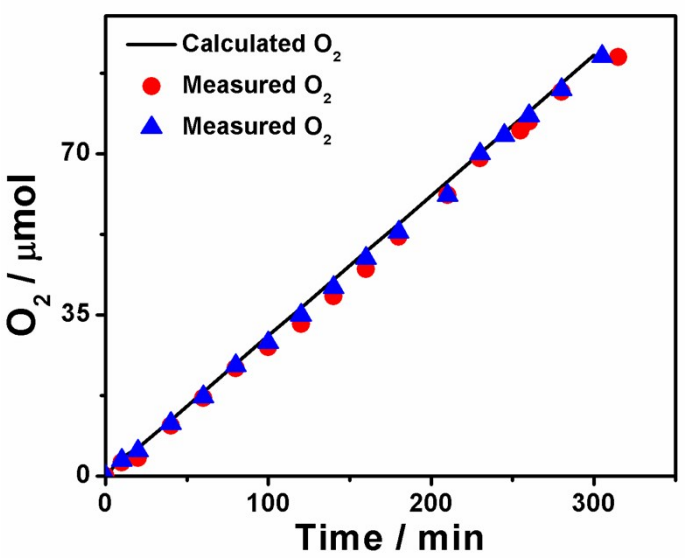

Figure S4. The amount of O_2 calculated theoretically (black-line) and measured experimentally by time on Pt1-$NiMnO_3$ (blue) and $NiMnO_3$ (red) in 1 M KOH.