Supporting Information

CNTs/Ni Hybrid Nanostructured Arrays: Synthesis and Application as High-Performance Electrode Materials for Pseudocapacitor

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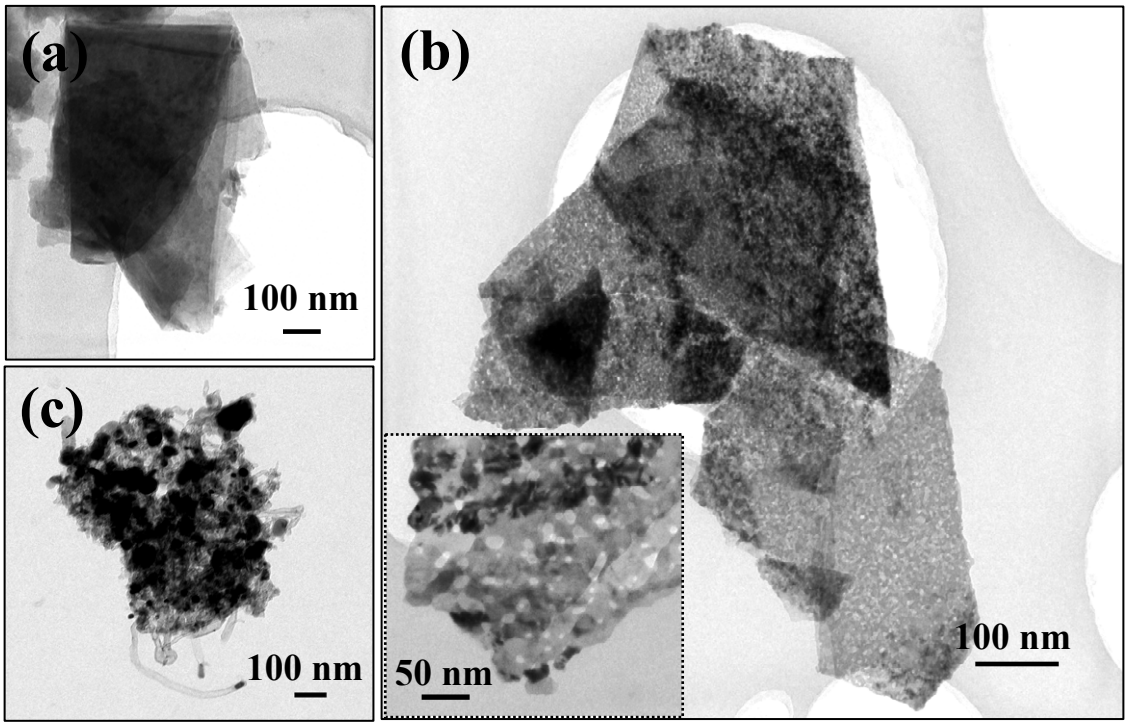

Fig. S1. TEM images of (a) nullaginite, (b) Ni and (c) CNTs/Ni hybrid nanowall structures. The inset is a magnified TEM image showing porous structures on Ni nanowalls.

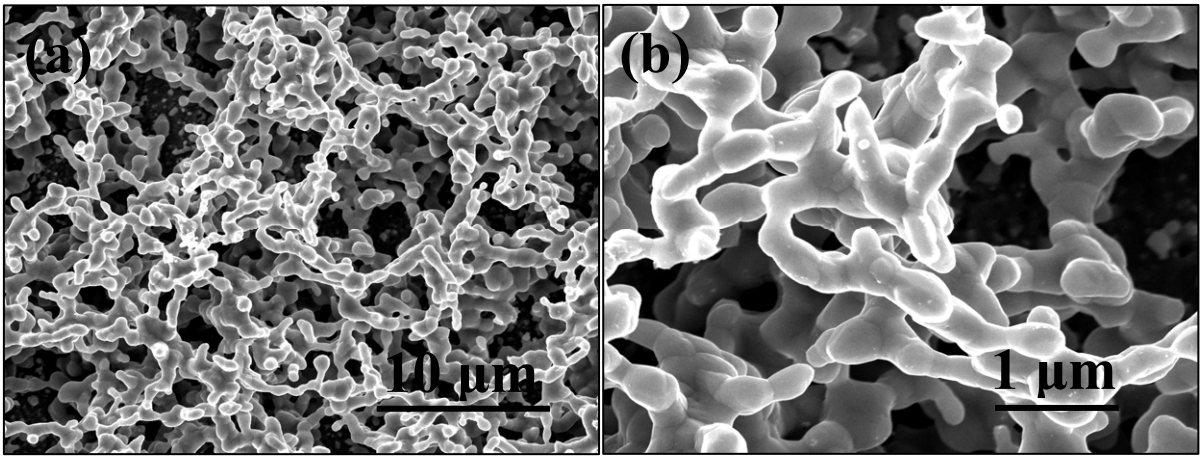

Fig. S2. SEM observations of as-evolved products reduced by H_2.

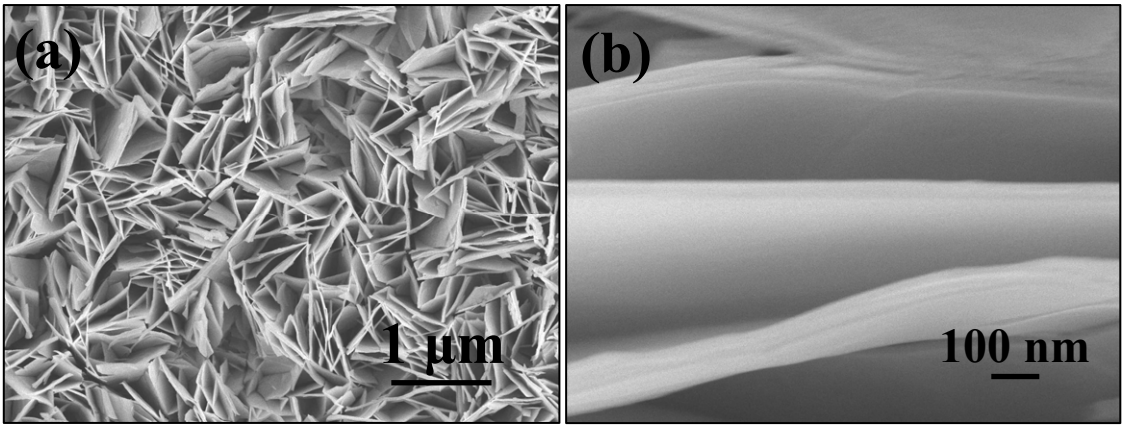

Fig. S3. SEM images of Ni-Mn LDH NSAs grown on Ti foil.

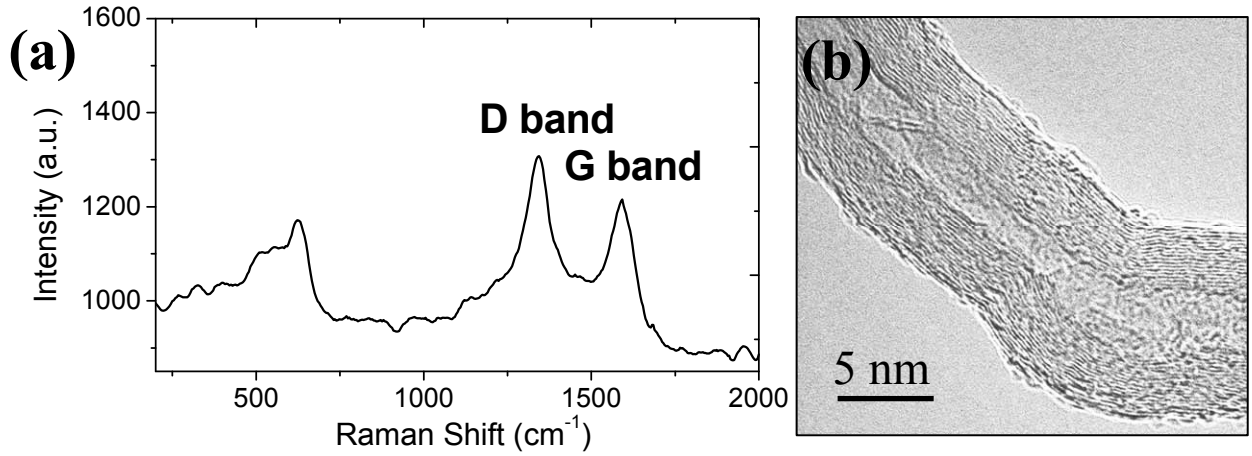

Fig. S4. (a) Raman spectrum of the hybrid products made from Ni-Mn LDH precursors. (b) TEM image of CNTs formed on "mountain" structures of this hybrid products.

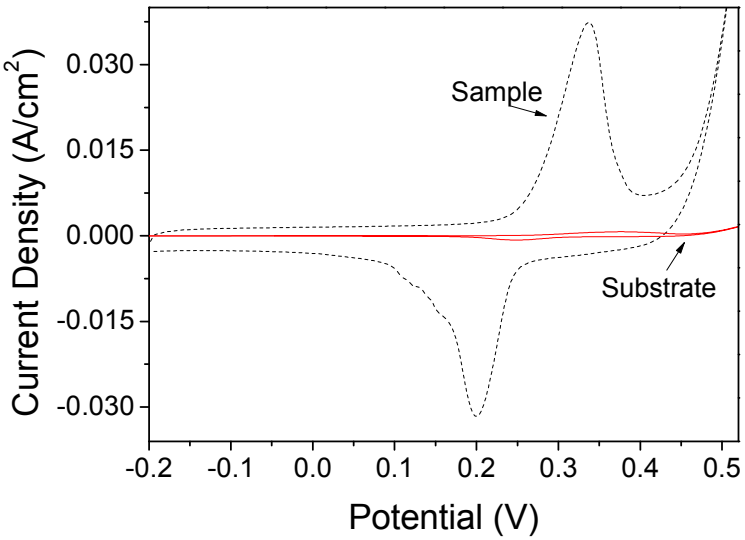

Fig. S5. The CV of pure stainless steel substrate in 6 M KOH solution at 50 mV/s after 5000 cycles. The CV of hybrid CNTs/Ni NSAs electrode is also shown for comparison.

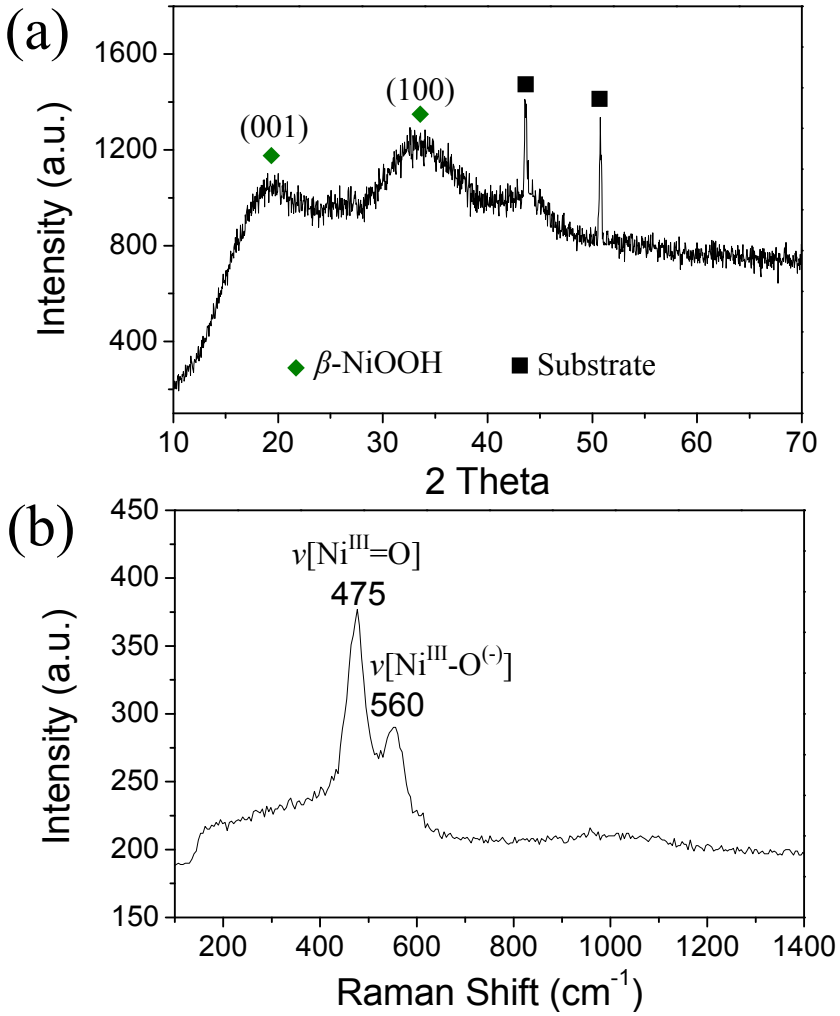

Fig. S6. (a) XRD pattern and (b) Raman spectrum of the activated sample (Ni NWAs).