Supplementary Information

Figure S1. FT-IR spectrum of (a) Ni-In-CH$_3$COO$^-$ LDHs, (b) DNA, (c) DNA-LDHs complexes.

Figure S2. Photograph of the colloidal suspension of Ni-In ELDHs nanosheets.
Figure S3. Zeta potential curve of the colloidal suspension of Ni-In ELDHs nanosheets.

Figure S4. XRD pattern of Ni-In LDHs after DNA desorption by the addition of HPO$_4^{2-}$. 