Electronic Supplementary Material (ESI) for RSC Advances.

Supporting Information

Supercapacitive performance of hydrogenated TiO_2 nanotube arrays decorated with nickel oxides nanoparticles

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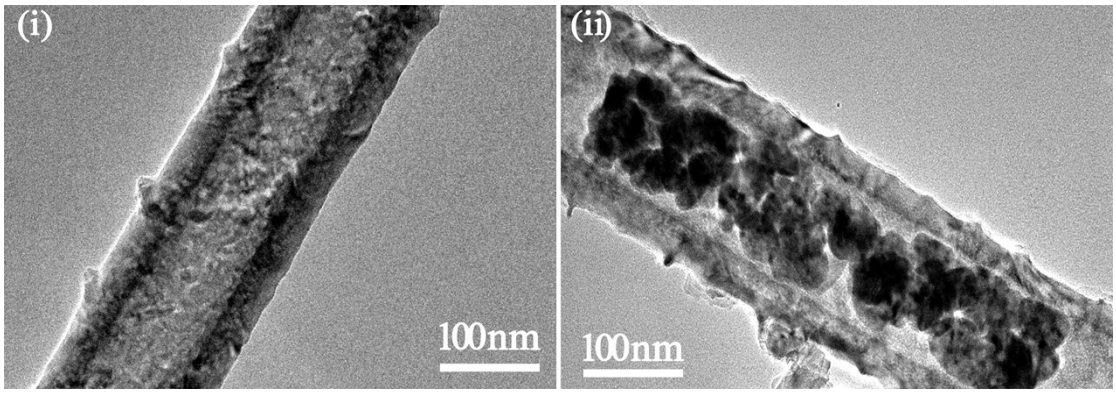

Fig. S1 TEM micrograph of individual (i) HTNTAs, (ii) NiO_x nanoparticle in the HTNTAs

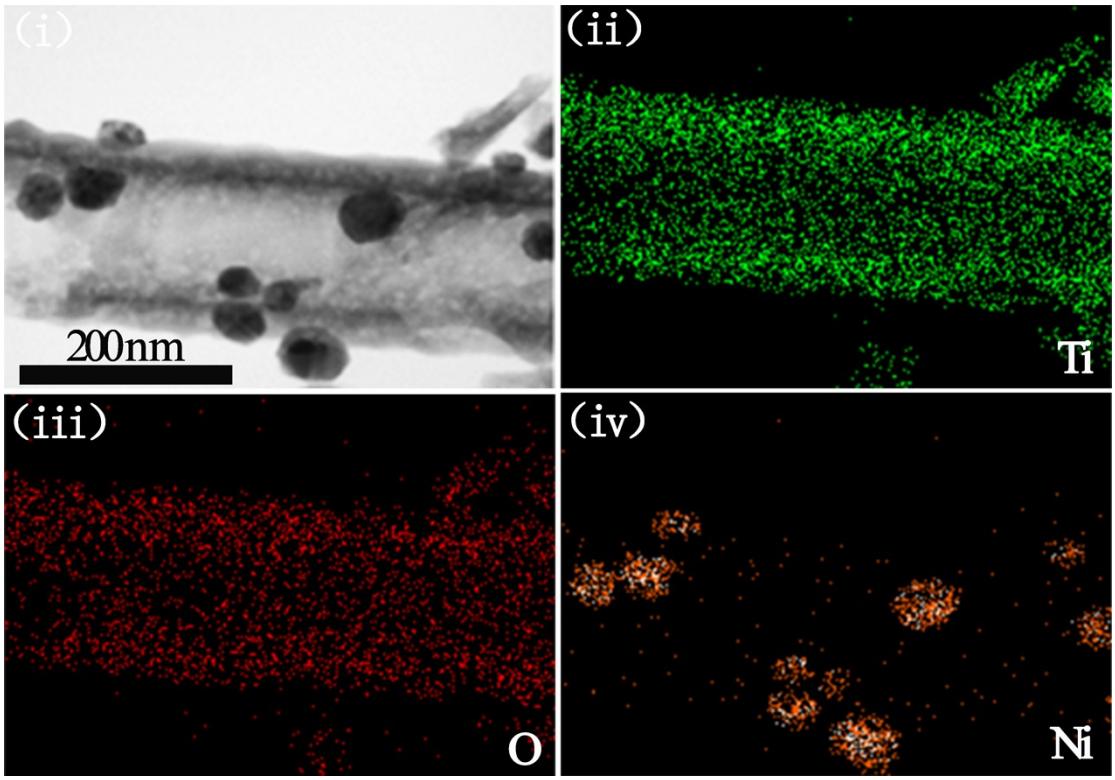

Fig. S2 (ii-iv) EDX mapping of (i) an individual NiO_x/HTNTAs nanocomposite.

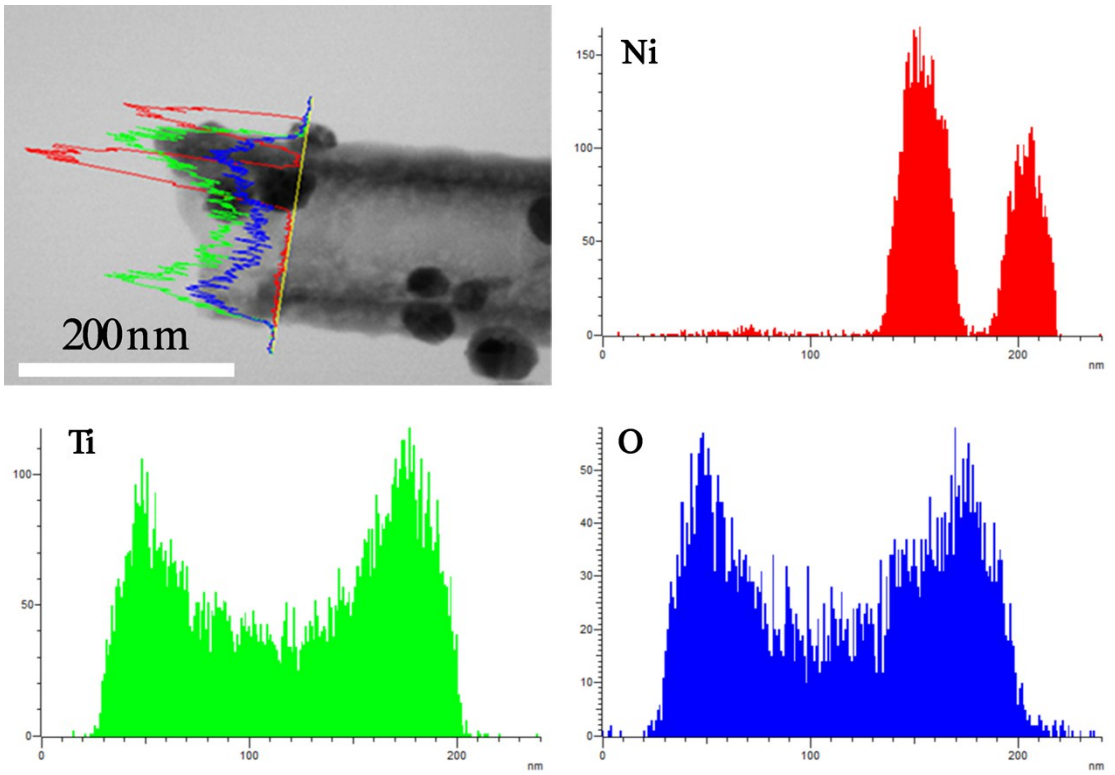

Fig. S3 EDX scanning micrograph of individual NiOx/HTNTAs nanocomposite

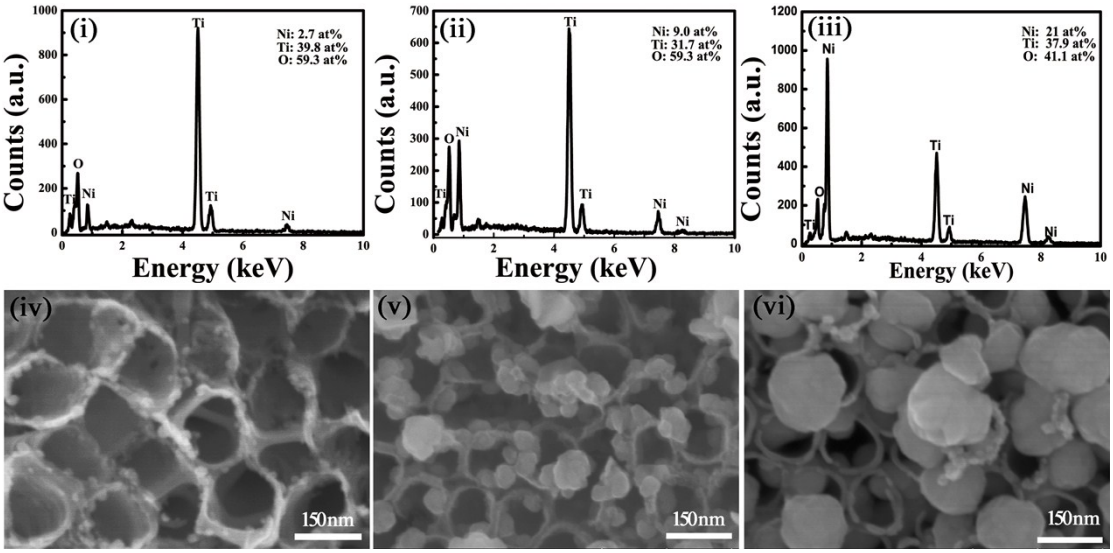

Fig. S4 The investigation of Ni loading amount and perfomance for NiO_x/HTNTAs prepared by 5mM, 10mM and 15mM $Ni(AC)_2$ solution: the EDX spectra of (i) 5-NiO_x/HTNTAs, (ii) 10-NiO_x/HTNTAs, (iii) 15-NiO_x/HTNTAs ; the FESEM image of (iv) 5-NiO_x/HTNTAs, (v) 10-NiO_x/HTNTAs, (vi) 15-NiO_x/HTNTAs.