RSC advances

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Kinetic Impact of Pt Seed Morphology on the Highly Controlled Growth of Ni-based Nanostructures

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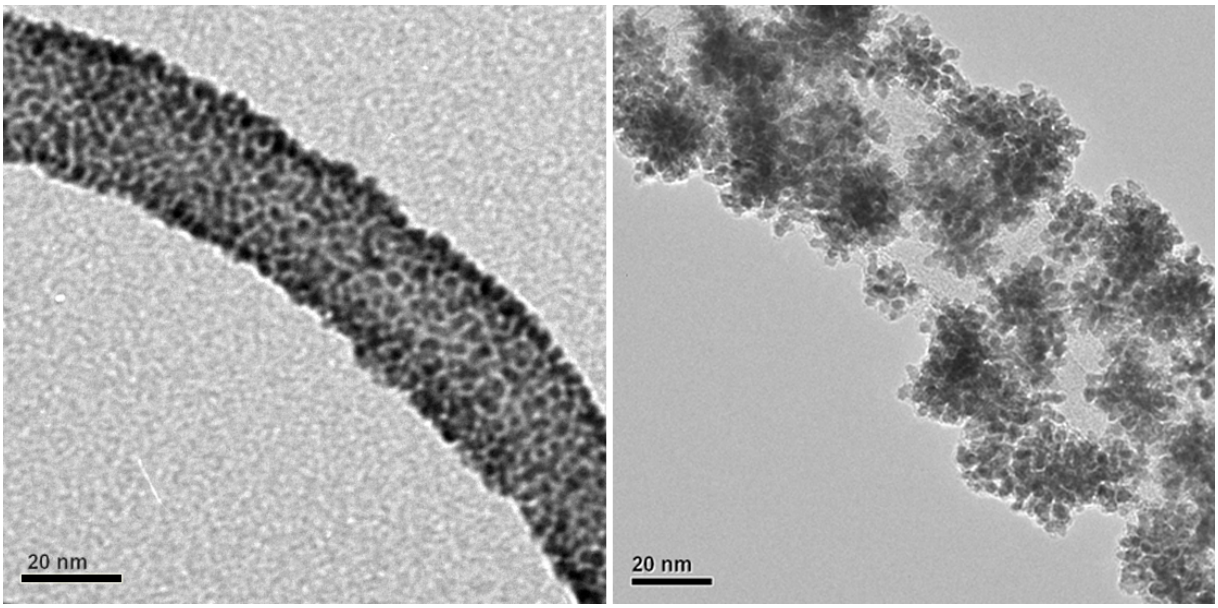

Figure S1. TEM images of spherical (left) and dendritic (right) Pt nanoparticles supported onto carbon nanotubes.

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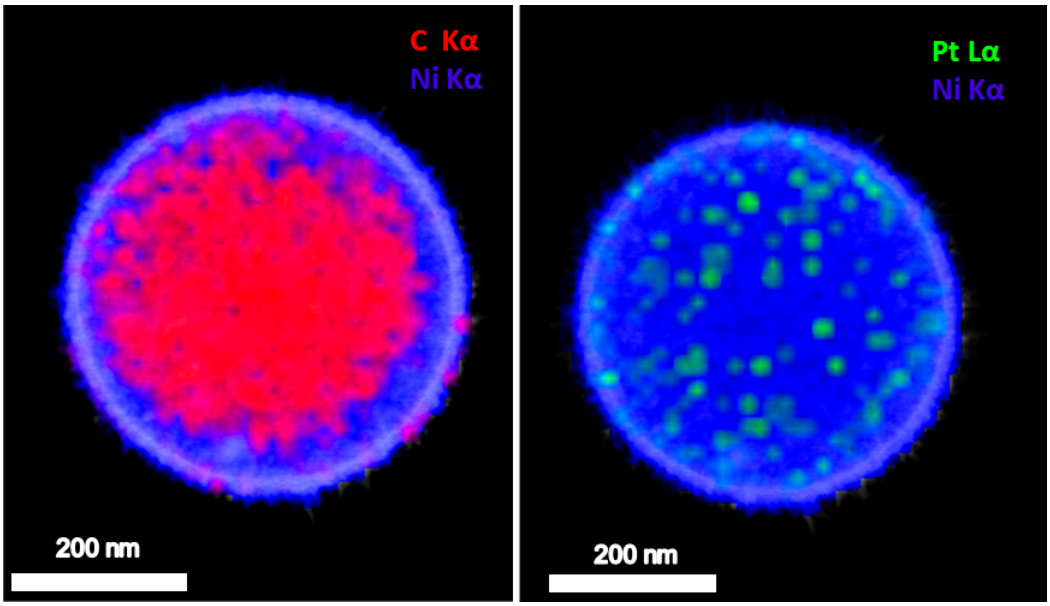

Figure S2. BF-STEM images showing the elemental mappings: (left) the red and blue colors correspond to the carbon and nickel registered in the PS core and the shell of the PS/Pt(d) nanocomposite, respectively; (right) the green and blue colors correspond to the platinum and nickel present on the surface.

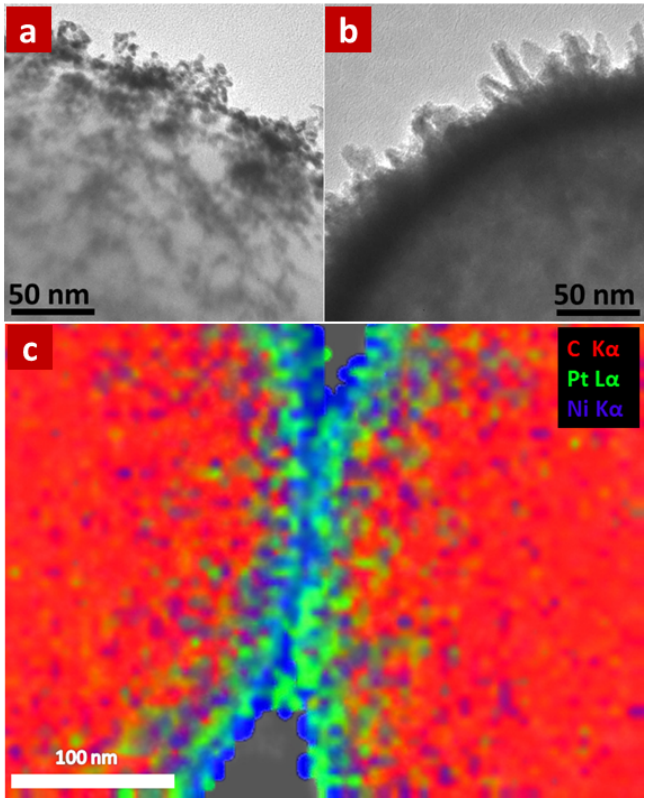

Figure S3. HRTEM images of the edge of two PS/Pt(d)/Ni spheres proving the growth of a Ni layer on the surface with: (a) low Ni content, and (b) higher Ni content; (c) STEM-EDS mapping showing the relative distribution of C, Pt and Ni. Both Pt and Ni are in contact and concentrated in the shell.