

Carbon:nickel nanocomposite templates - predefined stable catalysts for diameter-controlled growth of single-walled carbon nanotubes.

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Supporting Information:

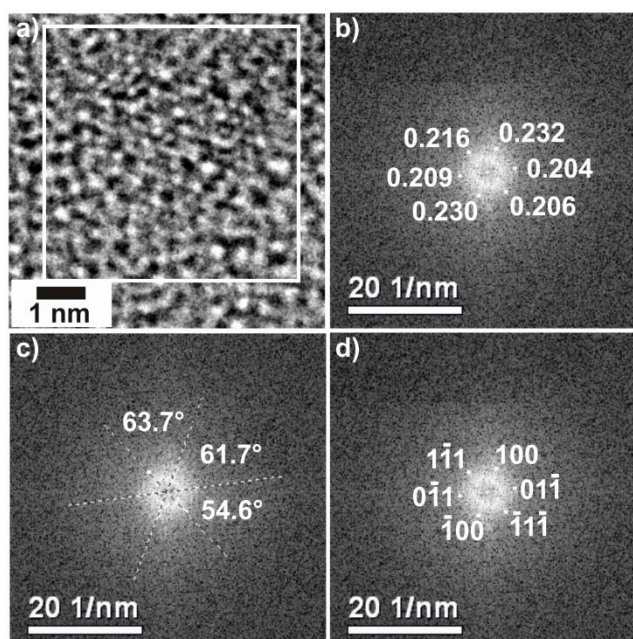


Figure 1. Cross-sectional TEM image of one selected crystalline NP of NCT type I with rh-Ni₃C lattice structure (a). Fast Fourier Transform (of the indicated area) with particular crystallographic parameters: interplanar distances in nm (b), interplanar angles (c) and Miller indices (d). For simplicity the Miller indices of hcp-Ni are displayed that has the same Ni sublattice structure as rh-Ni₃C.

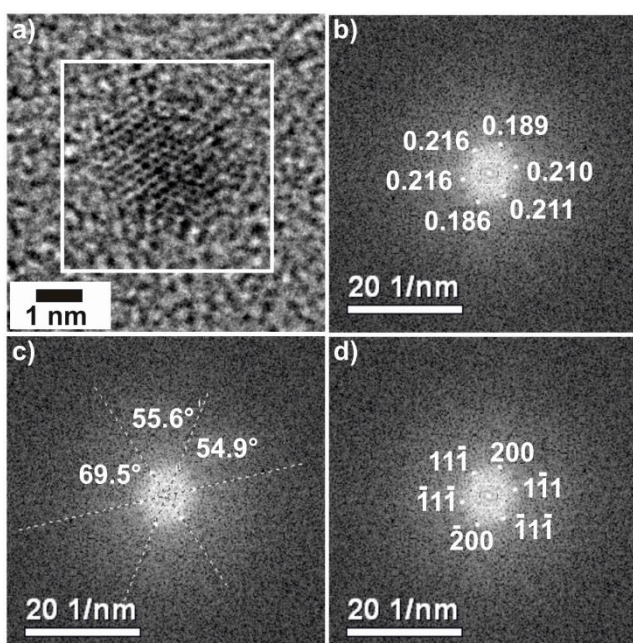


Figure 2. Cross-sectional TEM image of one selected crystalline NP of NCT type I with fcc-Ni lattice structure (a). Fast Fourier Transform (of the indicated area) with particular crystallographic parameters: interplanar distances in nm (b), interplanar angles (c) and Miller indices (d).