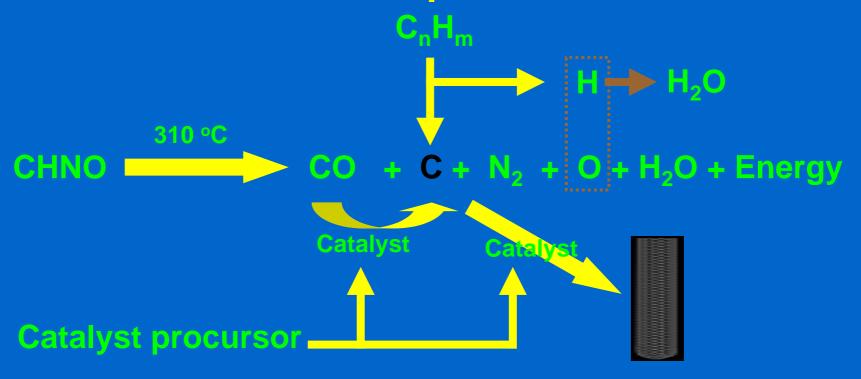
Catalytic Syntheses of Carbon Nanotubes by detonation of CHNO Explosives



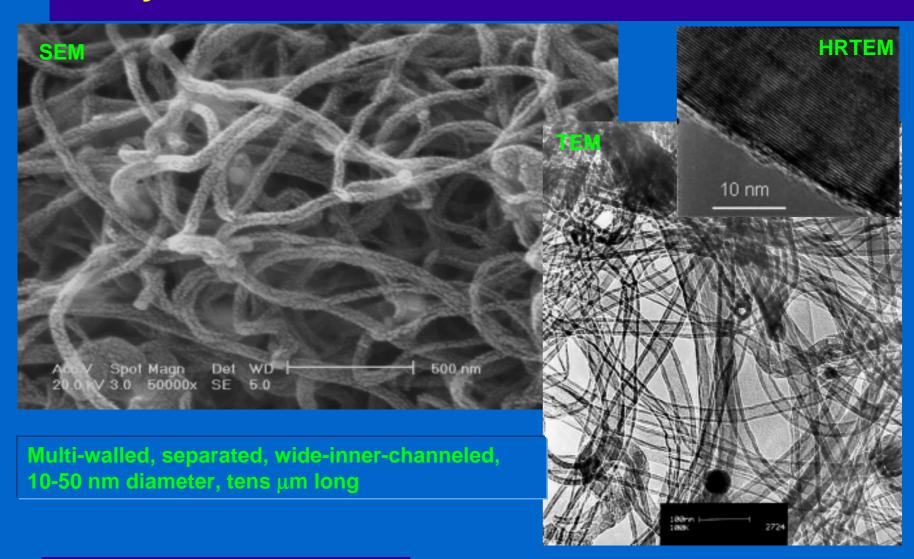
CHNO: picric acid or m-dinitrobenzene

C_nH_m: paraffin or benzene

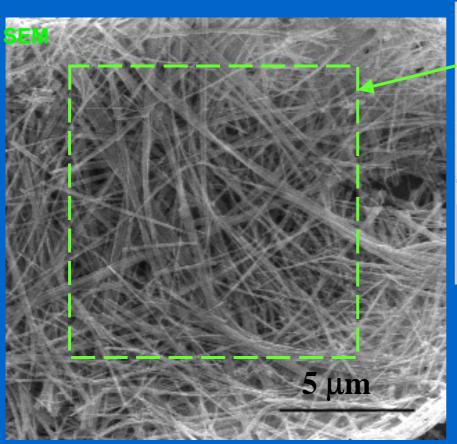
Catalyst procursor: cobalt acetate or nickel formate

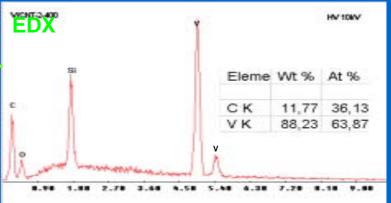
► Mixed mechanically

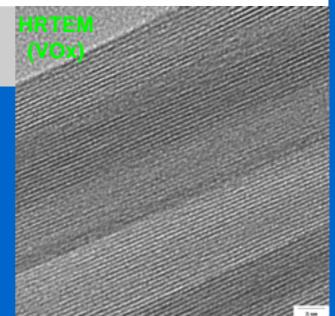
As-synthesized Carbon Nanotubes



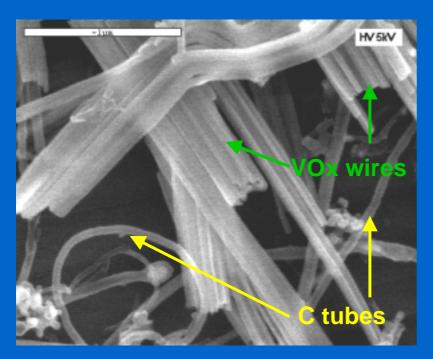
VOx Nanowire-Carbon Nanotube Composites



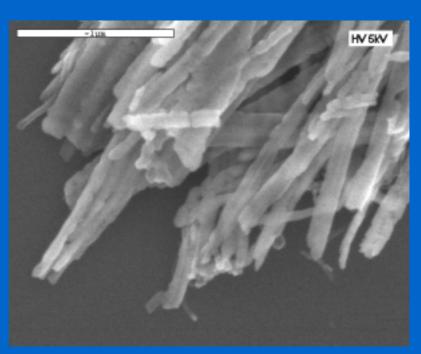




Thermal Stability of VOx Nanowire



As-synthesized



Treated at 400 °C in air

After heating-treatment, surfaces are roughed and some wires are condensed.