Electronic Supplementary Material (ESI) for RSC Advances. This journal is © The Royal Society of Chemistry 2016



Supporting information:

Fig. S1: The different RDFs on the $(Au-Pd)_{256}$ nanoalloy with the x_{Au} =0.5 supported on the CNT bundles with the different diameters in vacuum (solid lines) and in vacuum after removing the propene molecules (cross points).



Fig. S2. The different RDFs for the nanoalloy with x_{Au} = 0.5 supported on the nanotube bundles with the different chiralities.



Fig. S3. The different RDFs for the supported nanoalloys with the different mole fractions.



Fig. S4. The different RDFs for the (Pd-Au)₂₅₆ nanoalloy deposited on the different supports.