Supporting Information

Angle-controlled arrangement of single-walled carbon nanotubes solubilised by 8-quinolinol metal chelate derivatives on mica†

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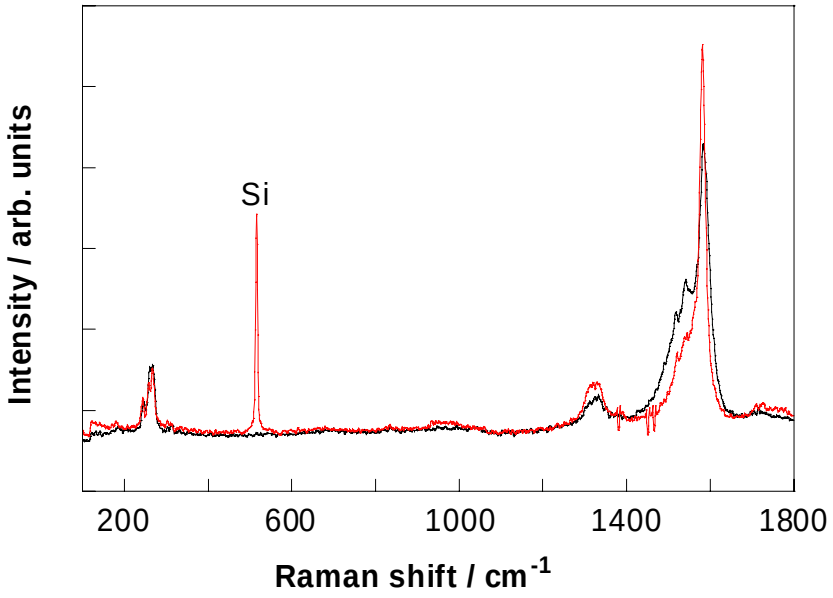

Fig. S1 Raman spectra of thin film of pristine SWNTs (black line) and the **2Cu**·SWNT mixture (red line).

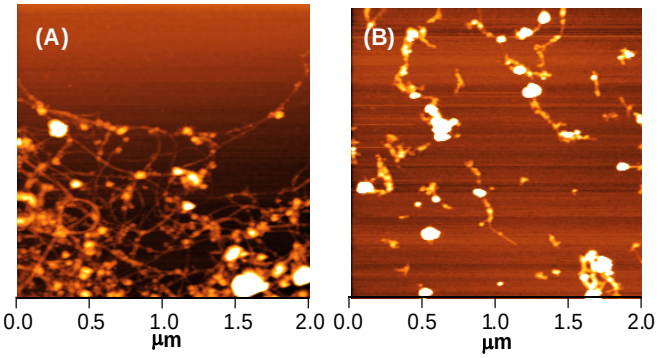

Fig. S2 Tapping mode AFM images of (A) the **2Cu**·SWNT mixture prepared using the sonication method and (B) the **2Pd**·SWNT mixture prepared using the HSVM method on mica.

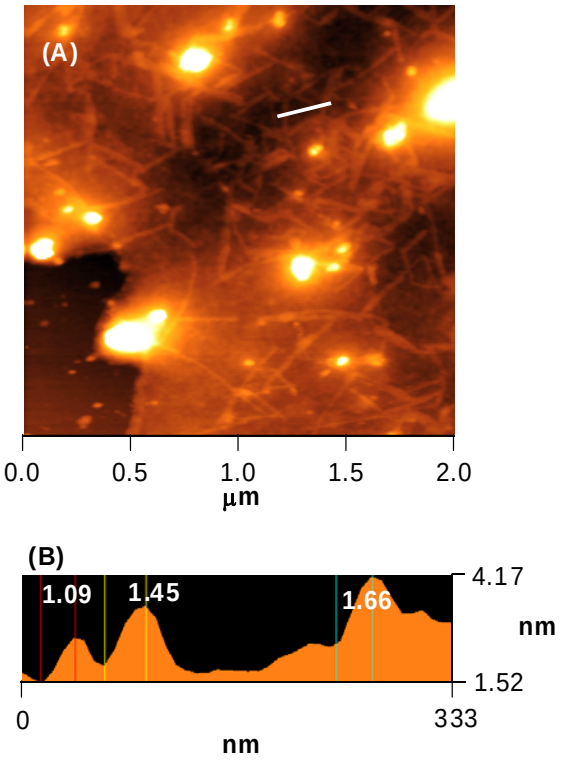

Fig. S3 Tapping mode AFM images of (A) a substrate in which an aqueous solution of SWNTs was dropped on mica previously deposited by **2Cu** using a spin-coated method on mica. (B) The height profile of the **2Cu**·SWNT mixture is measured along the white line in (A).

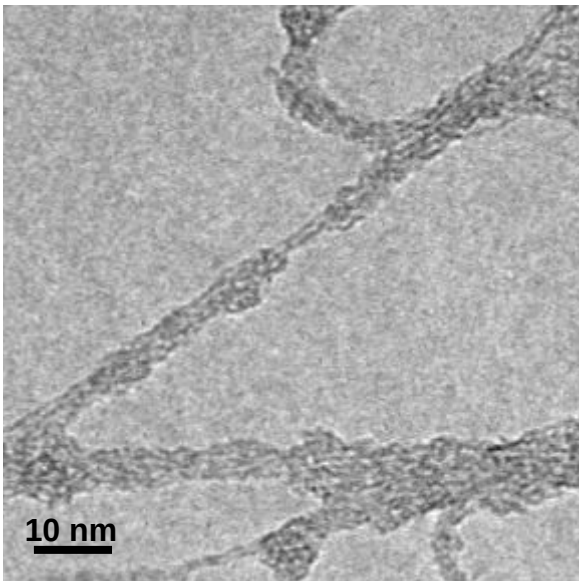

Fig. S4 A TEM image of the **2Cu**·SWNT complex.