

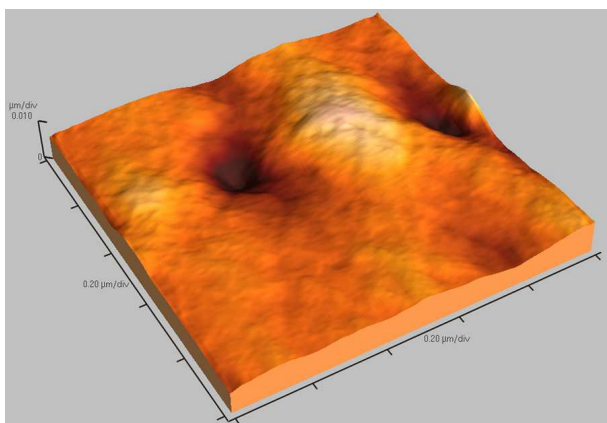
Supporting Information

Ageing of rubrene layers in Ni/rubrene heterostructures studied by magneto-optical Kerr effect spectroscopy

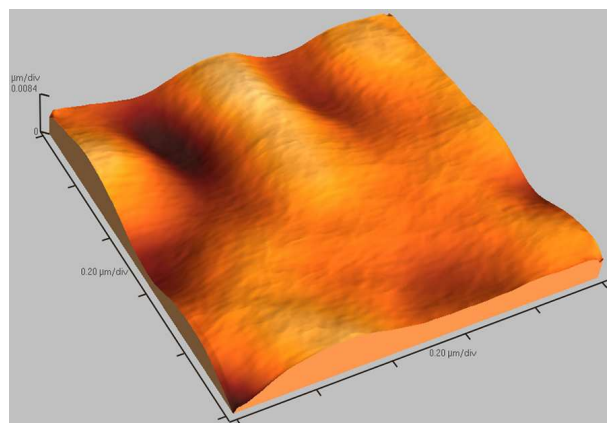
Wen Li, Michael Fronk, Hartmut Kupfer, Steffen Schulze, Michael Hietschold, Dietrich R.T. Zahn, and Georgeta Salvan



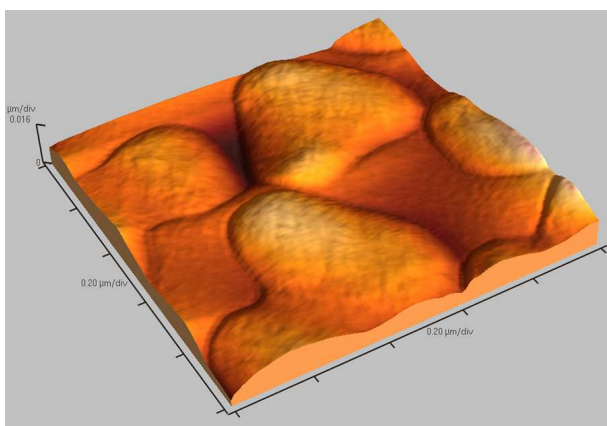
Figure S1. Lewis formula of rubrene (a) and rubrene peroxide (b) according to Ref. ^{S1}.



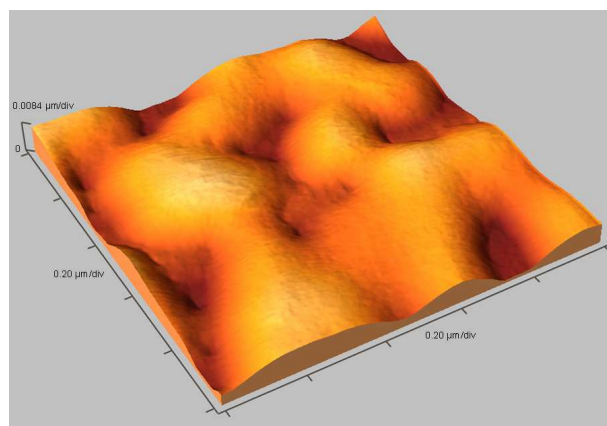
(a)



(c)



(b)



(d)

Figure S2. 3D AFM images of Ni(14 nm)/rubrene(50 nm) (a) and Ni(14 nm)/rubrene(15 nm) (b) bilayers and of rubrene single layers having the thickness 50 nm (c) and 15 nm (d).

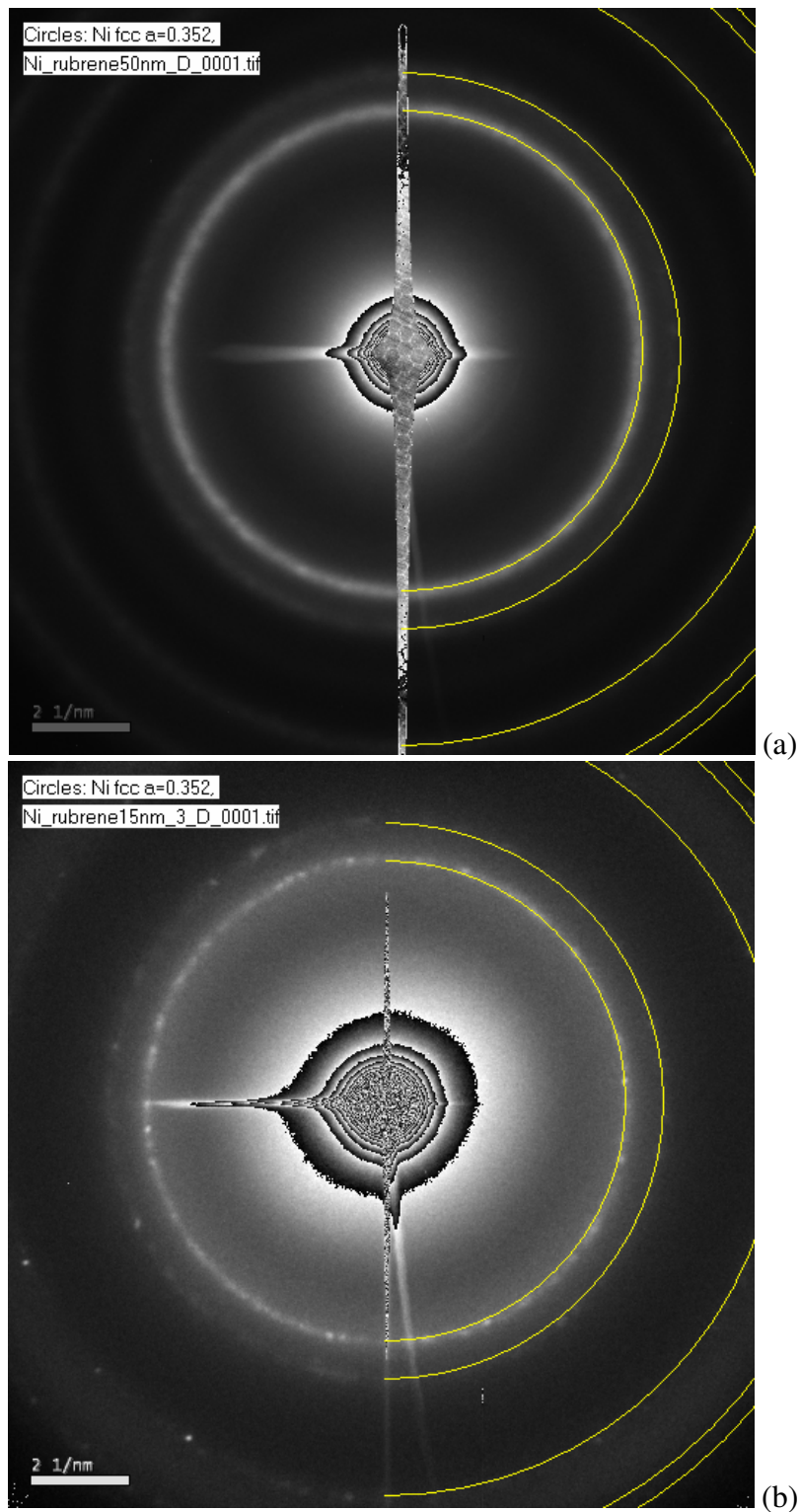


Figure S3. Electron diffraction images of Ni-covered carbon films detached from: (a) Ni(14 nm)/rubrene(50 nm); (b) Ni(14 nm)/rubrene(15 nm). The diffraction rings demonstrate the presence of crystallites with nanometer size consisting of Ni in the fcc structure.

References

(S1) Kloc, C.; Tan, K. J.; Toh, M. L.; Zhang, K. K.; Xu, Y. P. *Appl. Phys. A* 2009, 95, 219.