Supplementary Information

Self-assembly of silver nano-wires along the step-edge of graphite

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Figure S1: Partial (band decomposed) charge density isosurface plot for a silver adatom bonded at an ‘active site’ of an armchair step edge on HOPG. Top (half) layer C atoms are marked in blue.
Figure S2: Spin density isosurface plot for a silver adatom bonded at an ‘active site’ of an armchair step edge on HOPG.
Figure S3: Spin density isosurface plot for the Ag$_5$ cluster bonded at the armchair step edge on HOPG.