

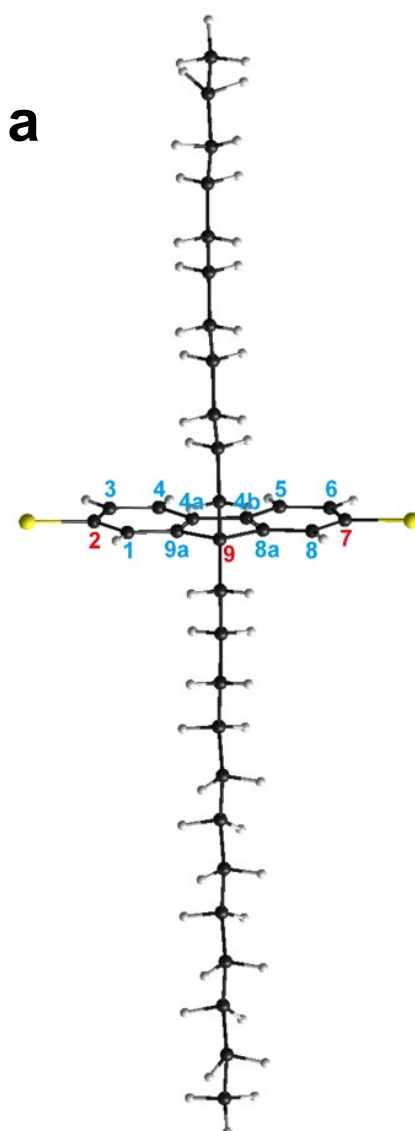
Electron Microscopy Reveals Soluble Hybrid Network of Individual Nanocrystal Self-Anchored by Bifunctional Thiol Fluorescent Bridges

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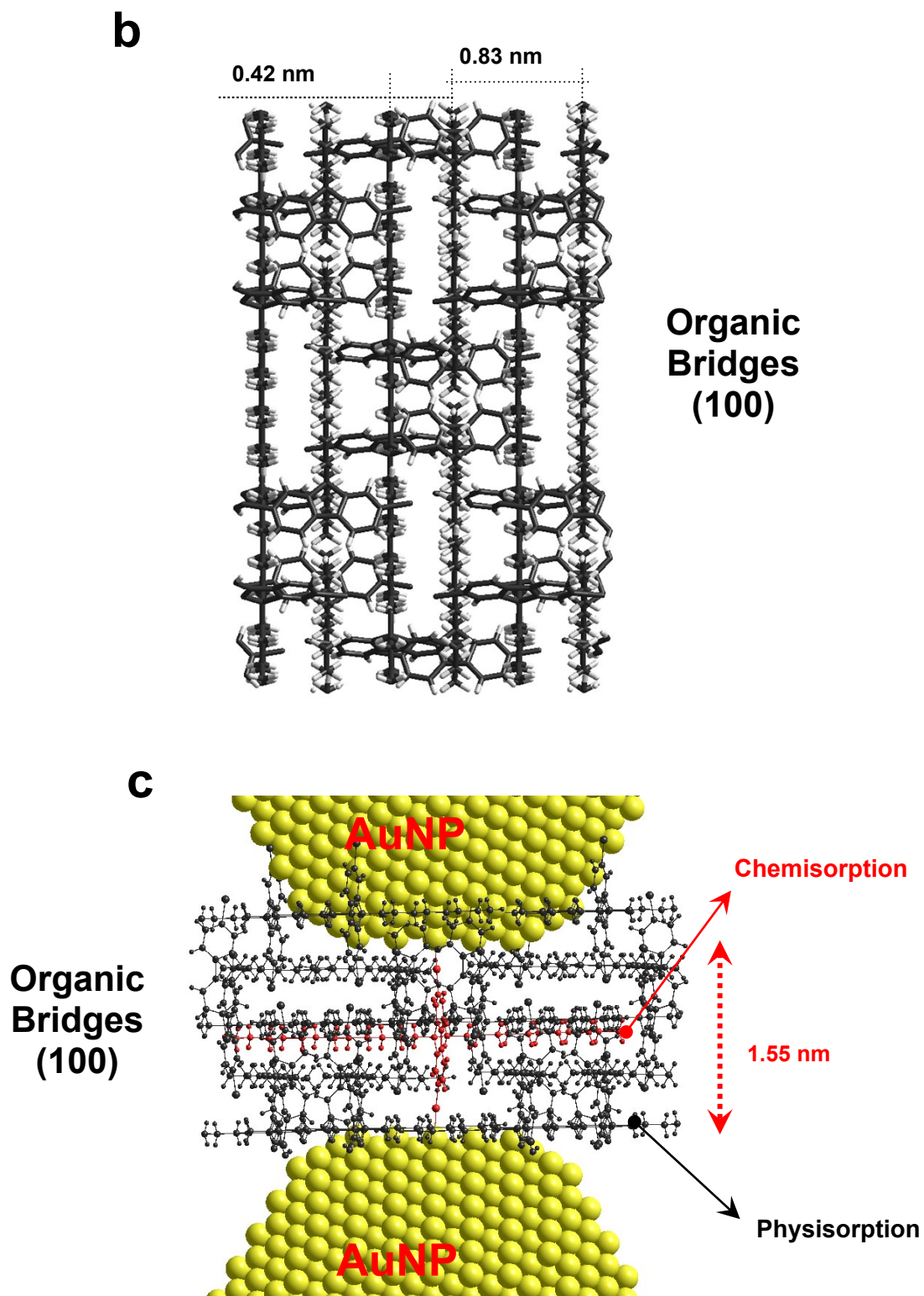


Figure S1. Schematic illustration of 9,9-Didodecyl-2,7-bisthiofluorene molecules. (a) Chemical structures of 9,9-Didodecyl-2,7-bisthiofluorene (FL) molecule. Sulfur atoms, yellow; carbon atoms, black; hydrogen atoms, white. (b) Illustration of the crystal packing of Dibromo-9,9-dioctyl-2,7-fluorene molecule determined by Mc Farlane et al. The view direction is oriented along the [100] zone axis parallel to the electron beam. (c) Overlapping arrangement of the crystal packing of Dibromo-9,9-dioctyl-2,7-fluorene molecules (Figure S1b) with two gold nanocrystals.

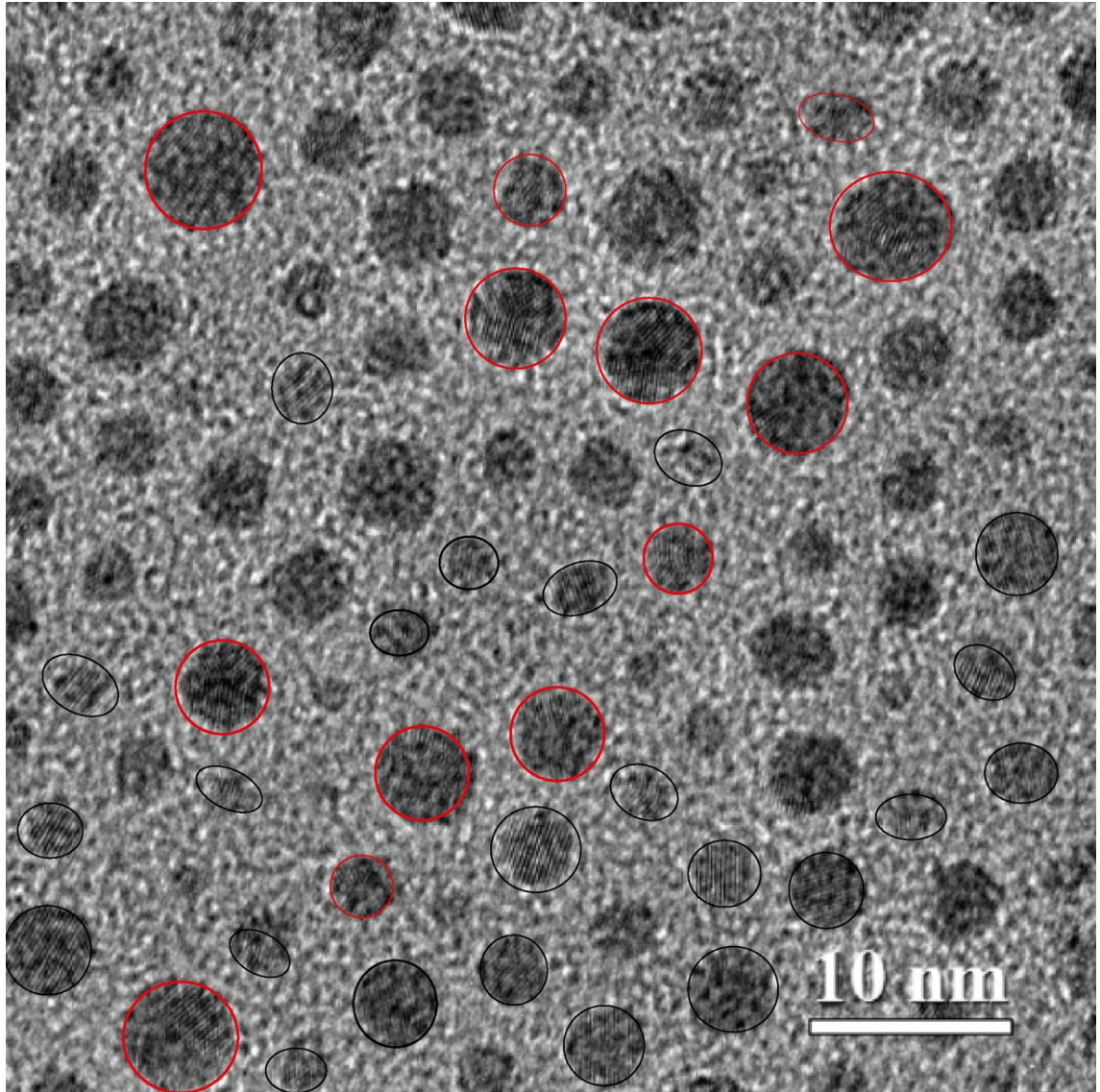


Figure S2. High resolution structural evidences of smallest gold nanocrystals. Visible lattice fringes of gold single-crystals are delimited by black contour line, while singly-twinned and multiply-twinned are delimited by red contour line