

STM Investigation of the Conjugated Oligo(p-phenylene-ethynylene) (OPE) Surface Nanostructures

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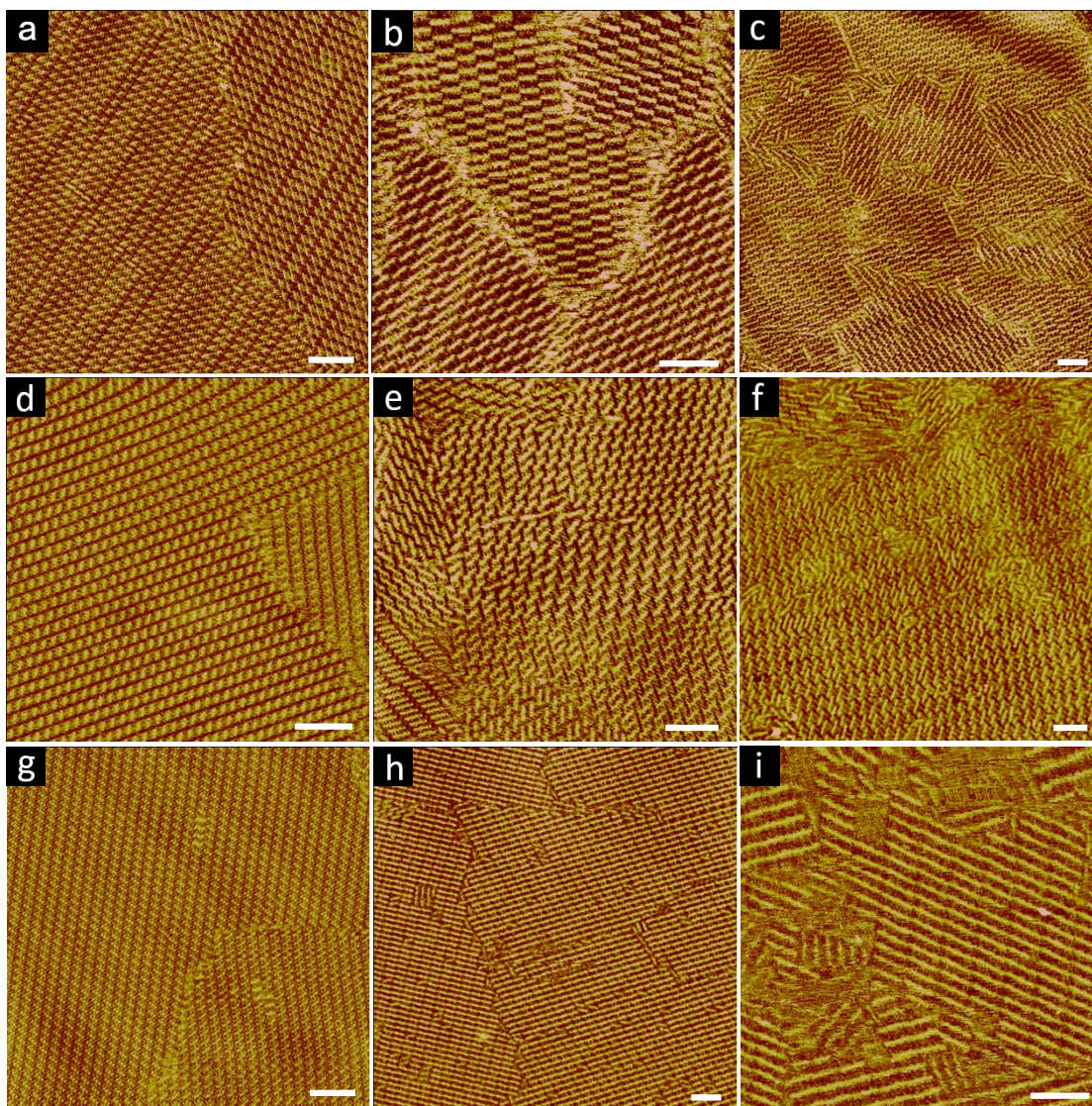


Fig. S1 Large-scale STM images for the self-assembled structures of compounds **1a** (a: $I_{\text{set}} = 329.6$ pA, $V_{\text{bias}} = 501.6$ mV), **1b** (b: $I_{\text{set}} = 268.6$ pA, $V_{\text{bias}} = 579.9$ mV), **1c** (c: $I_{\text{set}} = 296.0$ pA, $V_{\text{bias}} = 447.4$ mV), **4a** (d: $I_{\text{set}} = 397.0$ pA, $V_{\text{bias}} = 418.5$ mV), **4b** (e: $I_{\text{set}} = 299.1$ pA, $V_{\text{bias}} = 423.4$ mV), **4c** (f: $I_{\text{set}} = 299.1$ pA, $V_{\text{bias}} = 618.5$ mV), **5a** (g: $I_{\text{set}} = 329.6$ pA, $V_{\text{bias}} = 541.7$ mV), **5b** (h: $I_{\text{set}} = 299.1$ pA, $V_{\text{bias}} = 630.1$ mV), and **5c** (i: $I_{\text{set}} = 299.1$ pA, $V_{\text{bias}} = 509.0$ mV) at the chloroform/HOPG interfaces with the scale bars of 10 nm.