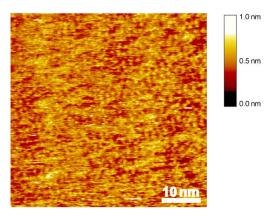


## Epitaxial Supramolecular Assembly of Fullerenes Formed by Using Coronene Template on Au(111) Surface in Solution

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*Figure S1.* Typical large-scale (50 x 50 nm²) STM image of opencage  $C_{60}$  derivative adlayer formed on the coronene-modified Au(111) surface in 0.1 M HClO<sub>4</sub>. Tip potential and tunneling current were 0.35 V and 2.0 nA.

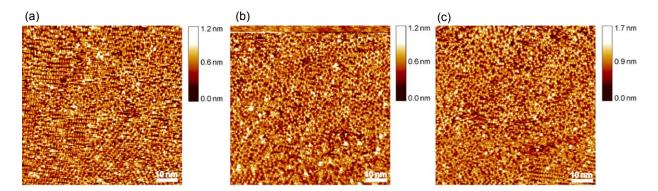
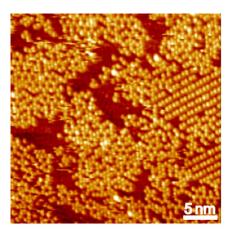


Figure S2. Typical large-scale (75 x 75 nm $^2$ ) STM images of C<sub>70</sub> adlayer formed on the coronene-modified Au(111) surface in 0.1 M HClO<sub>4</sub>. The electrode potential was held at (a) 0.53 V, (b) and (c) 0.29 V vs RHE. Tip potential and tunneling current were 0.46 V and 0.15 nA.



**Figure S3.** Typical large-scale (40 x 40 nm²) STM image of  $C_{130}$  adlayer formed on the coronene-modified Au(111) surface in 0.1 M HClO<sub>4</sub>. Tip potential and tunneling current were 0.35 V and 1.0 nA