Supplementary Information

Interfacial assembly of Cinnamoyl-terminated Bolaamphiphiles at the air/water interface: headgroup-depended assembly, supramolecular Nanotube and Photochemical Sewing

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Figure S1 (a) AFM of HCDA films transferred at 0 mN/m; (b) AFM and (c) SEM of HCDA films transferred at 0.5 mN/m; (d) The CD spectra of the HCDA 10 layers LS film transferred at 0.5 mN/m and 0 mN/m.
Figure S2. CD spectra obtained from the mixture of KBr and HCDA assemblies peeled from the HCDA LS films on substrate.
Figure S3. The MALDI-TOF MS spectra of the LS films after 254 nm UV light irradiation; a) CDA; b) ACDA; c) HCDA.
Figure S4 The intensity (absorbance) ratios of the FT-IR absorption bands from three kinds of LS films after irradiated by UV light with different time scales: (a) the ratio of the intensity from the bands of cyclobutane ring deformation/C=\(\equiv\)C stretching; (b) Enlarged curve of the case of CDA.

Figure S5. SEM image of supramolecular nanotubes without UV irradiation treated with water for 1 minute (a), ethanol for 10 seconds (b), and dichloromethane for 10 seconds (c).

Figure S6 The AFM image (2\(\mu\)m×2\(\mu\)m) is HCDA nanotube after 90 min UV irradiation.
Figure S7. TEM image of the **HCDA** nanotube irradiated with 254 nm UV light for 2 minutes and again adsorbed with **TMPyP**.
Figure S8. The XRD spectra obtained from the LS films of the bolaamphiphiles; a) CDA; b) ACDA; c) HCDA.