Supplementary data

Control of Supramolecular Chirality for Polydiacetylene LB Films with the command Azobenzene Derivative Monolayer

Hao Jianga, Xiu-Juan Panb, Zhang-Yuan Leib, Gang Zou,a Qi-Jin Zhang,a Ke-Yi Wangb

aCAS Key Laboratory of Soft Matter Chemistry, Department of Polymer Science and Engineering, Key Laboratory of Optoelectronic Science and Technology in Anhui Province, University of Science and Technology of China, Hefei, Anhui 230026, P. R. China. E-mail: gangzou@ustc.edu.cn

bLaboratory of Optical Information Technology, Department of Precision Machinery and Precision Instrumentation, University of Science and Technology of China, Hefei 230027, China. E-mail: kywang@ustc.edu.cn

Figure S1. UV-vis spectra of DBA in chloroform solution in response to UV and visible irradiation
Figure S2. (a) UV-vis spectra and (b) CD spectra of DBA multilayer LB films before (dash line) and after (solid line) irradiated with left- or right-handed CPL.

Figure S3 TEM images of the PTDA Langmuir film

Figure S4. (a) UV-vis spectra of (i) before and (ii) after thermal treated PTDA/Azobenzene hybrid films and (b) CD spectra of (i) before and (ii) after thermal treated PTDA LB films.