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Supporting Information

for

Formation of Parallel Aligned Nano-fibrils of Donor-Acceptor Conjugated Copolymer via Controlling J-aggregates and Post Treatment

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1 The theoretical thickness of the crystals was estimated by the Scherrer equation. The
2 Scherrer equation can be written as:

$$3 \quad D = K\lambda / B\cos\theta \quad (1)$$

4 D is the average thickness of grains, which was perpendicular to the crystal plane
5 direction. K is a dimensionless shape factor with the value of 0.89. λ is the X-ray
6 wavelength. B is the line broadening at half the maximum intensity (FWHM). It could
7 be measured in the XRD profile of PDQT film in figure S1. θ is the Bragg angle. The
8 theoretical thickness D was about 41 nm, which was in accordance with the measured
9 thickness of films.

10 **Figure Captions**

11 **Figure S1**

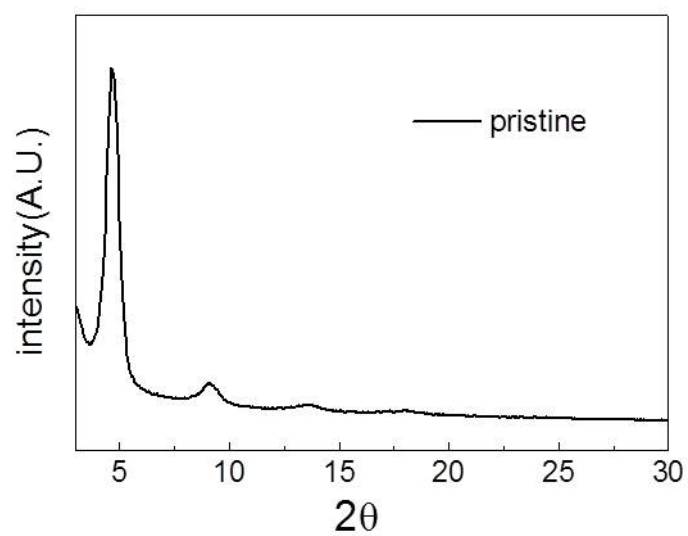
12 Out-plane GIXRD profile of PDQT film. The samples were cast from CF solution
13 with the concentration of 0.1 mg/mL

14 **Figure S2**

15 Thermal treatment of the PDQT films at 200 °C. The samples were cast from CF
16 solution with the same concentration of 0.1 mg/mL. The samples were heated to
17 corresponding temperature and kept for 20 min in nitrogen, and then cooled to the
18 room temperature at the rate of 10°C/min. The scale bar represents 5 μ m.

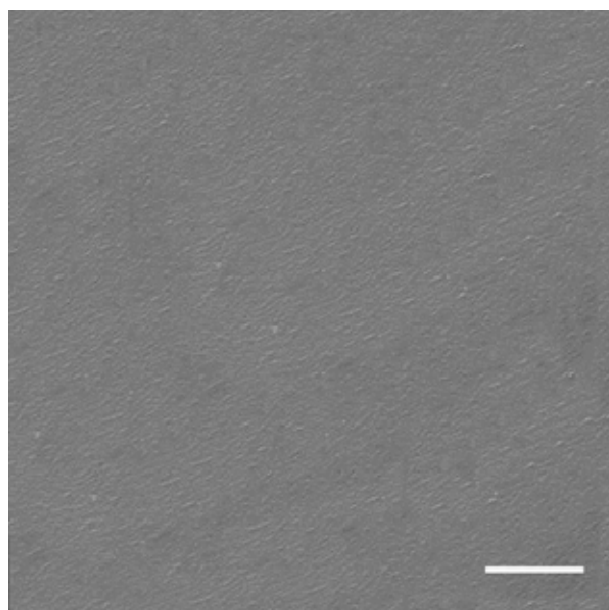
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1 **Figure S1**



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3 **Figure S2**



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