Supporting Information

Enhanced Performance of Polymer Solar Cells Based on PTB7-Th:PC$_{71}$BM Doped with 1-Bromo-4-Nitrobenzene

Rui Fan, Zhaoxiang Huai, Yansheng Sun, Xiaowei Li, Guangsheng Fu *, Shahua Huang, Lixin Wang * and Shaopeng Yang *

![Absorbance vs Wavelength](image)

**Fig. S1.** Ultraviolet–visible absorption spectra of PTB7-Th:PC$_{71}$BM with the different proportion of 1-bromo-4-nitrobenzene.
Fig. S2. AFM height images (left) and phase images (right) of films with addition of 1-bromo-4-nitrobenzene at mass ratios of 0wt%、10wt%、15wt%、20wt% and 25wt% showing a 1um×1um surface area.