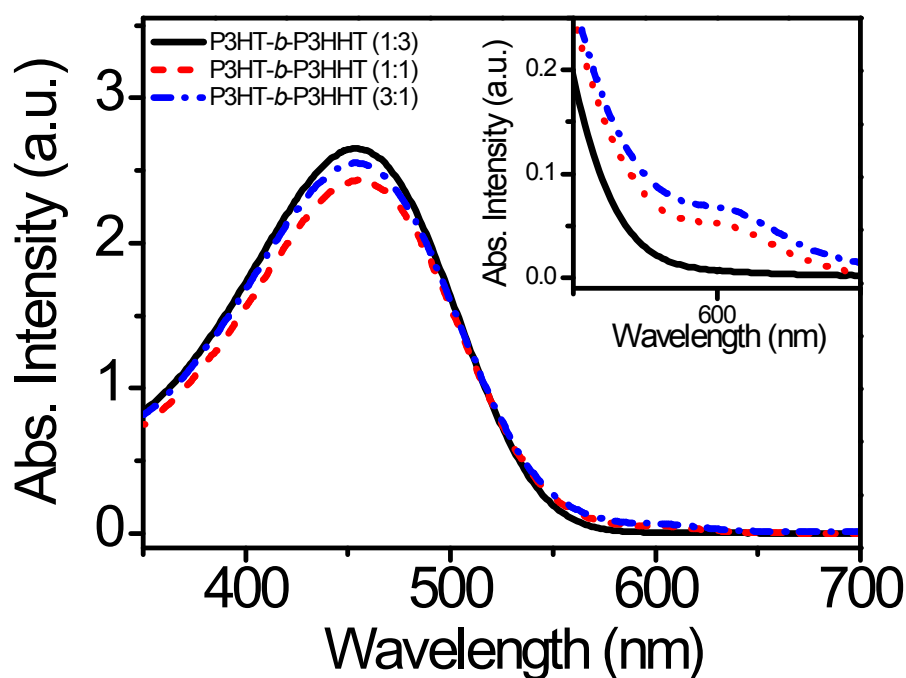


# Controlling the Morphology and Crystallization of Thiophene-Based All-Conjugated Diblock Copolymer by Solvent Blending

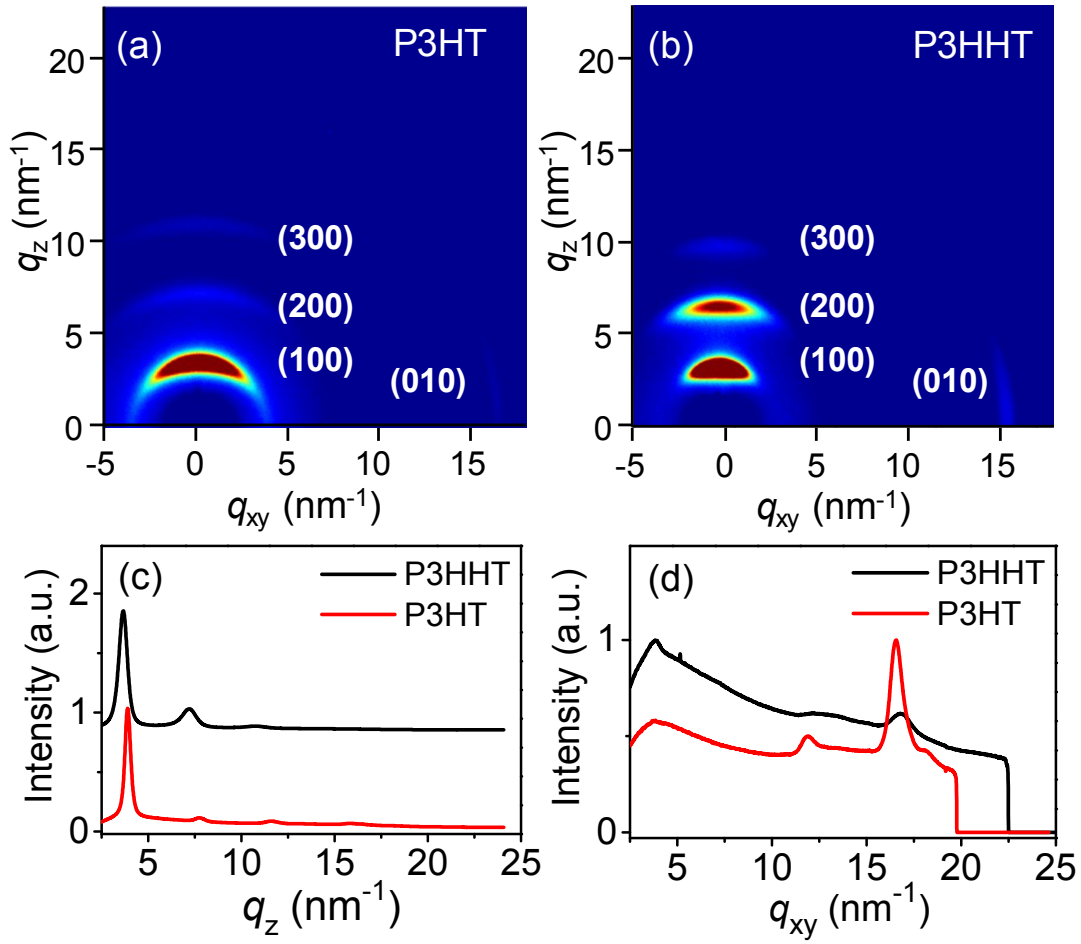
Huina Cui, Xiubao Yang, Juan Peng,\* and Feng Qiu\*

*State Key Laboratory of Molecular Engineering of Polymers, Department of Macromolecular Science, Fudan University, Shanghai 200433, China.*

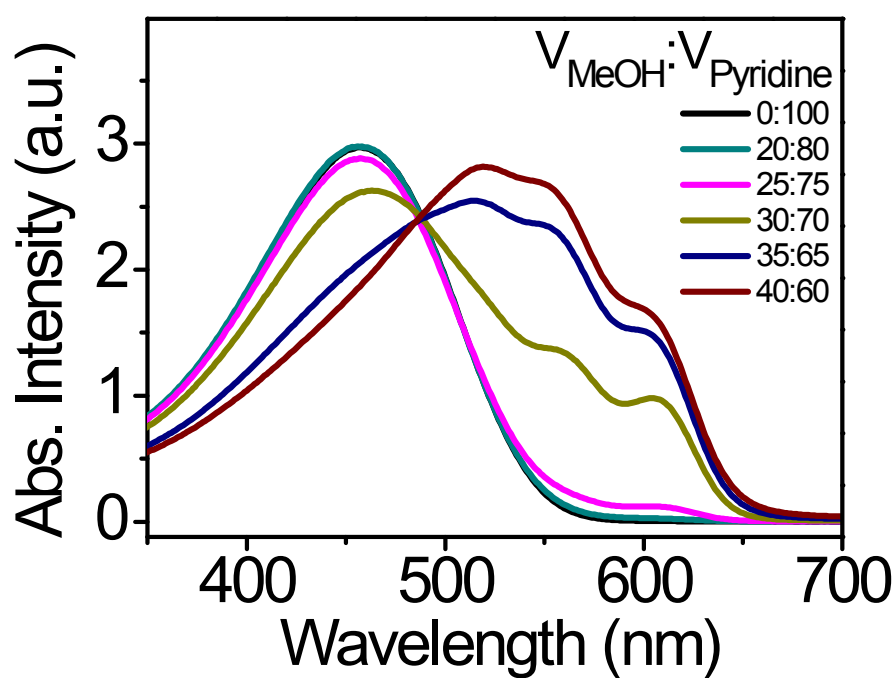
*E-mail:* [juanpeng@fudan.edu.cn](mailto:juanpeng@fudan.edu.cn); [fengqiu@fudan.edu.cn](mailto:fengqiu@fudan.edu.cn)



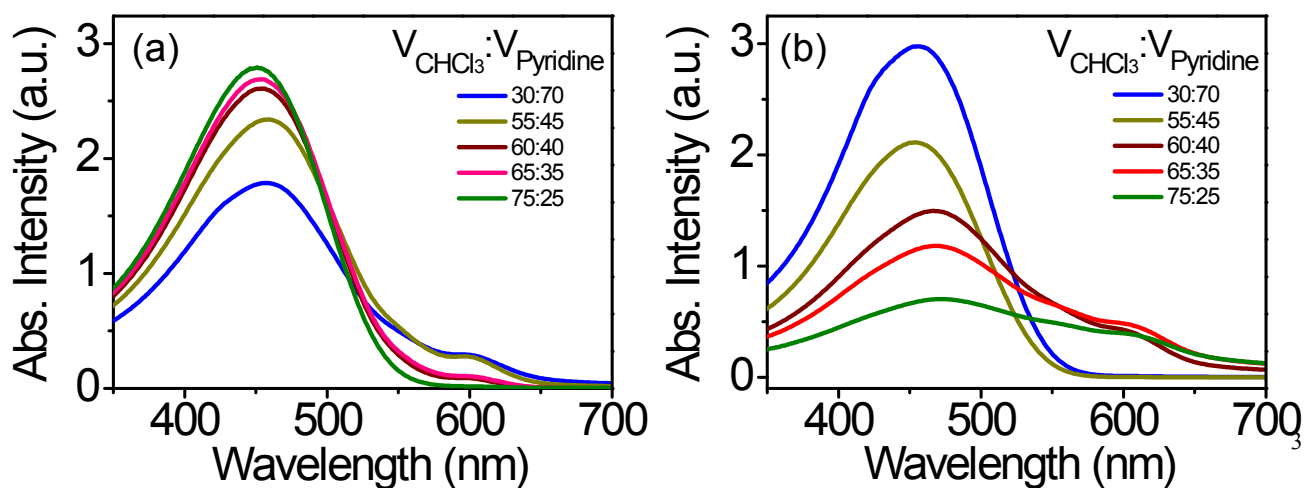
**Figure S1.** UV-vis of P3HT-*b*-P3HHT of various block ratios in pyridine.



**Figure S2.** 2D GIXRD patterns of (a) P3HT and (b) P3HHT homopolymer films. (c and d) 1D GIXRD profiles reduced along the (c) out-of-plane direction and (d) in-plane direction from P3HT and P3HHT homopolymer films.



**Figure S3.** UV-vis spectra of P3HHT homopolymer in the methanol/pyridine solutions with different solvent ratios.



**Figure S4.** UV–vis spectra of (a) P3HT and (b) P3HHT homopolymers in the chloroform/pyridine solutions with different solvent ratio.