Supplementary Material

Enhancing Power Conversion Efficiency of Polymer Solar Cells via Selection of Quinoxaline Substituents

Özge Karagaçtı[a], Sevki Can Cevher[a], Gonul Hizalan[a], Serife O. Hacioglu[a], Levent Toppare[a,b,c,d], Ali Cirpan[a,b,c,e]

a. Department of Chemistry, Middle East Technical University, 06800 Ankara, Turkey.
b. Department of Polymer Science and Technology, Middle East Technical University, 06800 Ankara, Turkey
c. Department of Biotechnology, Middle East Technical University, 06800 Ankara, Turkey
d. The Center for Solar Energy Research and Application (GUNAM), Middle East Technical University, 06800 Ankara, Turkey
e. Department of Micro and Nanotechnology, Middle East Technical University, 06800 Ankara, Turkey

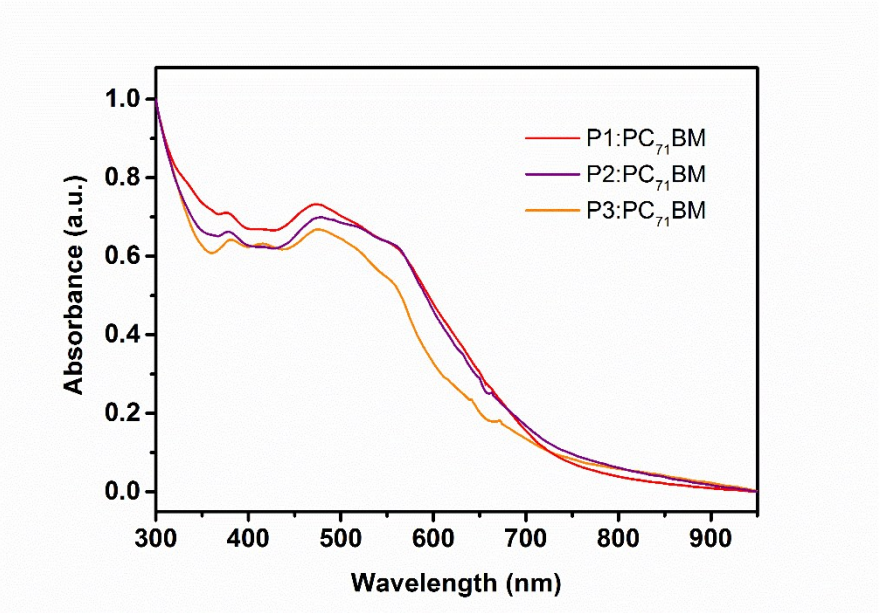

Fig S1. UV-Vis spectra of polymer:PCBM blends

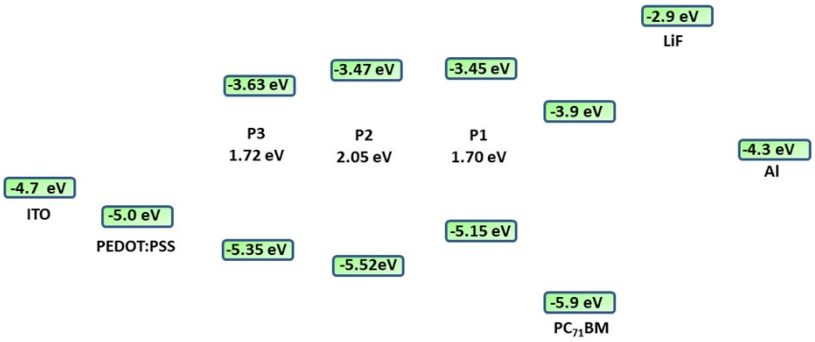

Fig S2. Energy Level diagram for ITO/PEDOT:PSS/ Polymer:PC71BM /LiF /Al device

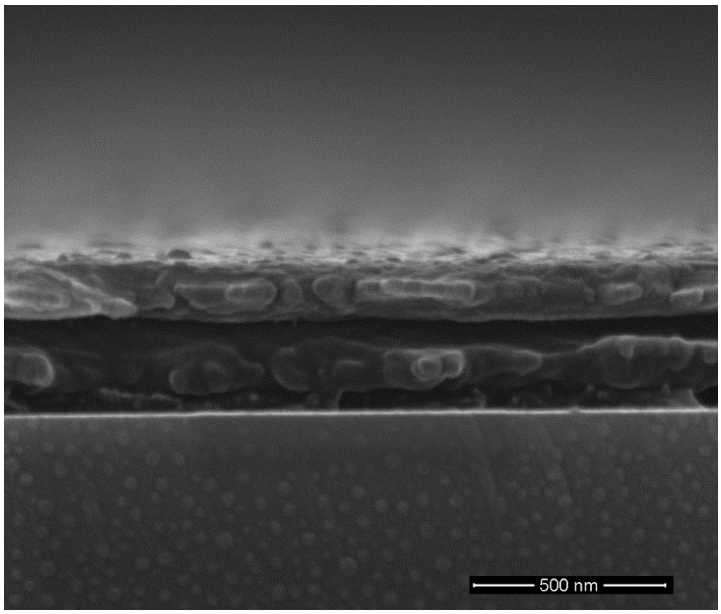

Fig S3. Cross sectional SEM image for the best performance solar cell based on P2:$PC_{71}BM$ (1:4)