

Electronic supplementary information

***N,N*-Diarylamino End-capping Towards a New Strategy for Simultaneously Enhancement Open-Circuit Voltage, Short-Circuit Current Density and Fill Factor in Small Molecule Organic Solar Cells**

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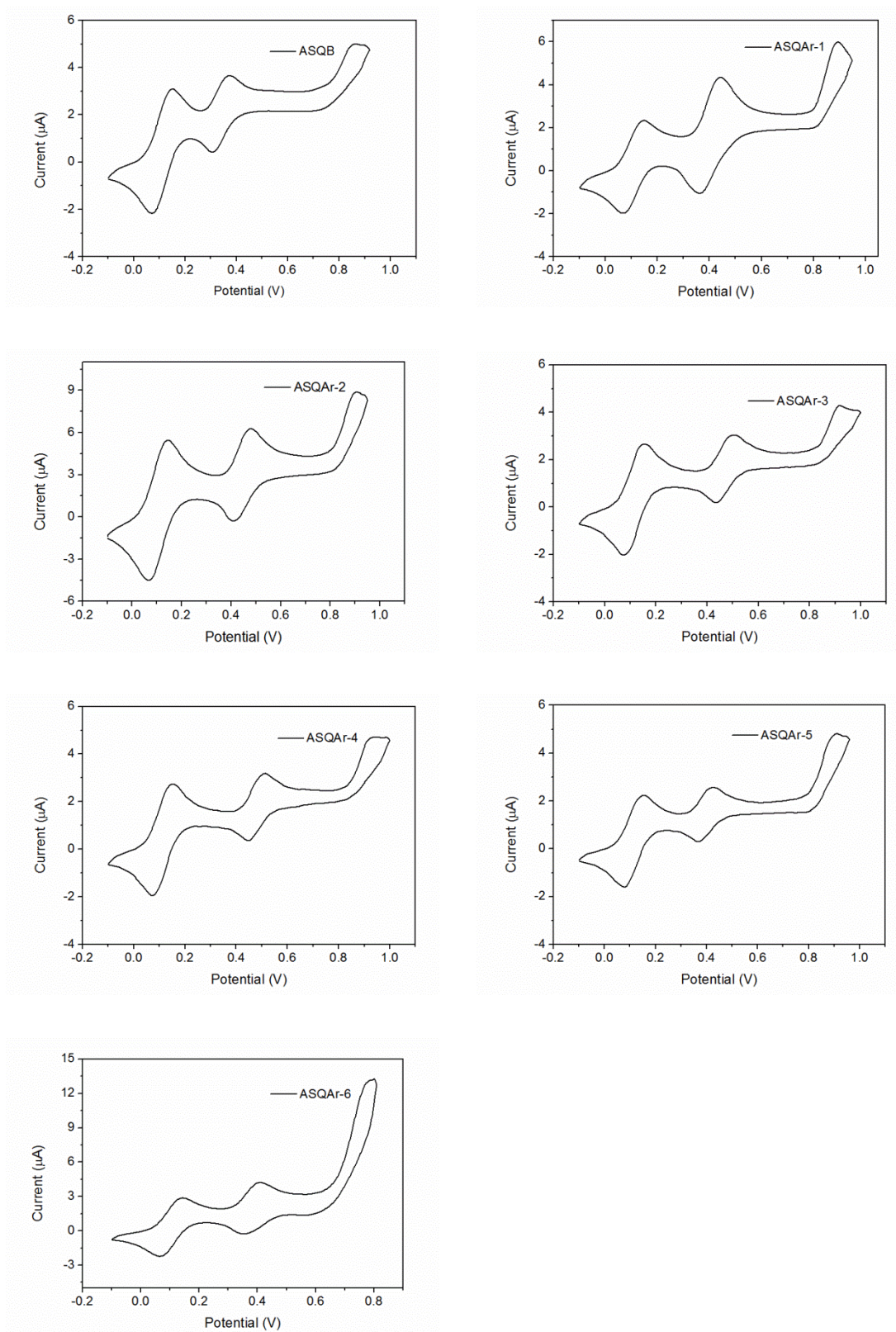
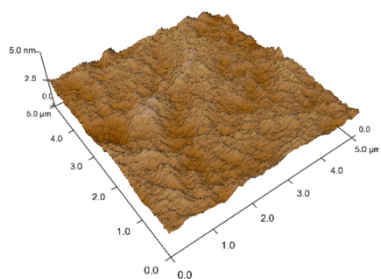
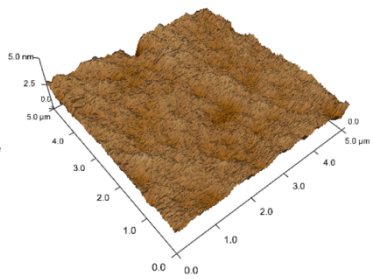


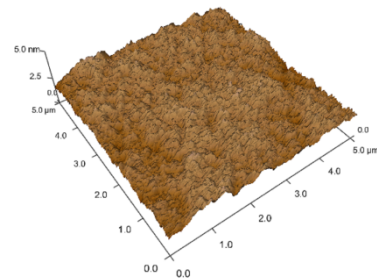
Fig. S1 Cyclic voltammogram of the squaraine derivatives in dichloromethane solution.



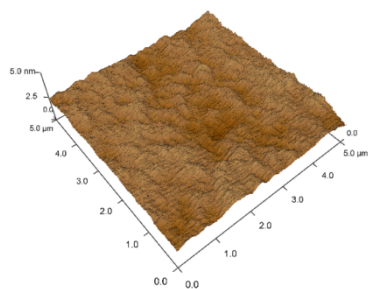
ASQB (RMS=0.24 nm)



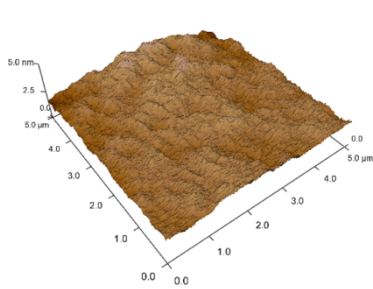
ASQAr-1 (RMS=0.23 nm)



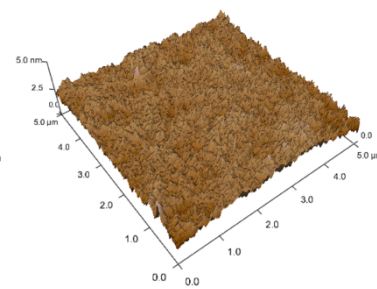
ASQAr-2 (RMS=0.25 nm)



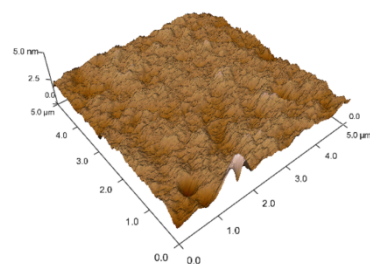
ASQAr-3 (RMS=0.21 nm)



ASQAr-4 (RMS=0.29 nm)



ASQAr-5 (RMS=0.25 nm)



ASQAr-6 (RMS=0.26 nm)

Fig. S2 3D image obtained by tapping-mode AFM showing the morphology of squaraine derivatives: PC₇₁BM (1: 5) blend films (size 5×5 μm).