

Supporting information

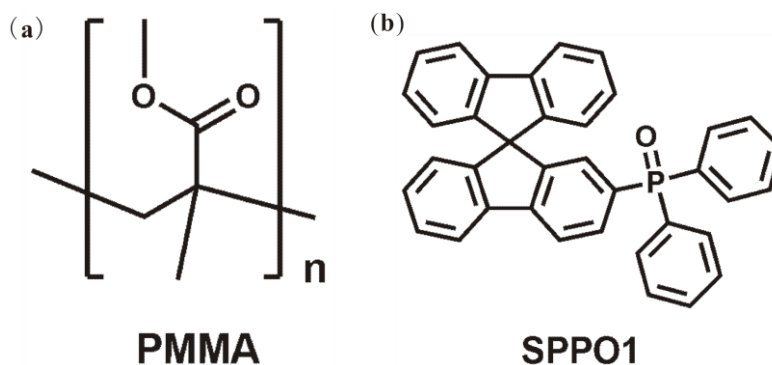


Figure S1. The molecular structures of (a) PMMA and (b) SPPO1.

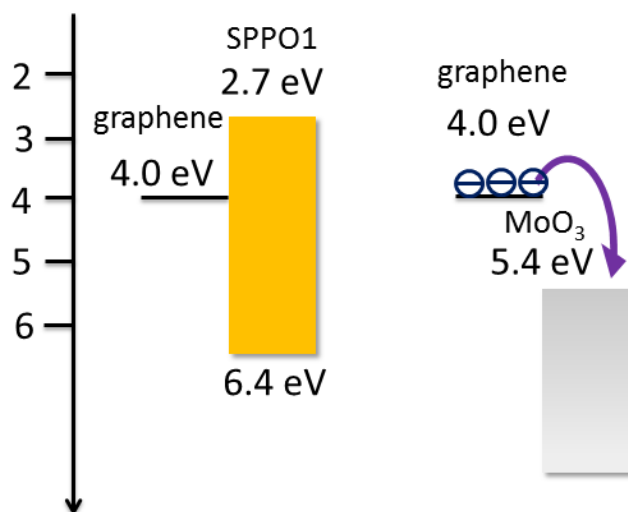


Figure S2. Energy band diagram of graphene and SPPO1. The band structure of graphene and MoO₃ is also illustrated for comparison.

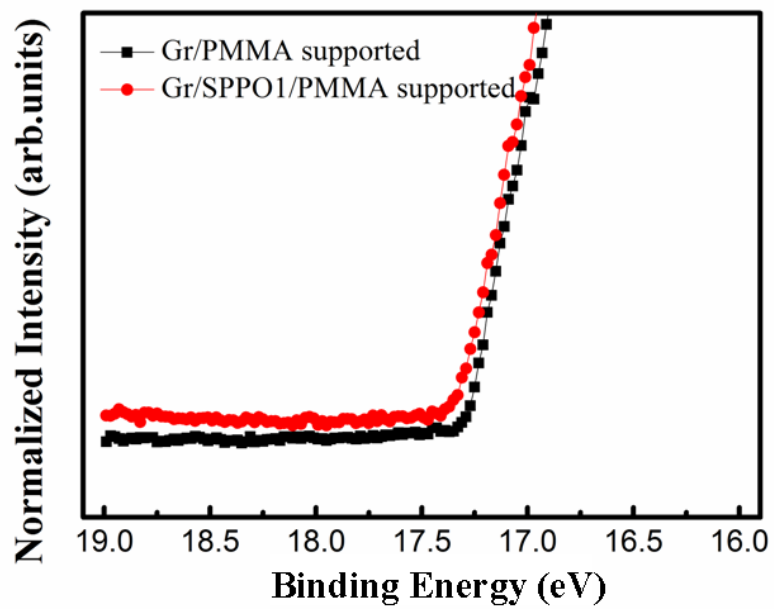


Figure S3. UPS spectra of G-P and G-PS.