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Main-chain polyoxometalate-containing donoracceptor conjugated copolymers: synthesis, characterization, morphological studies and applications in single-component photovoltaic cells

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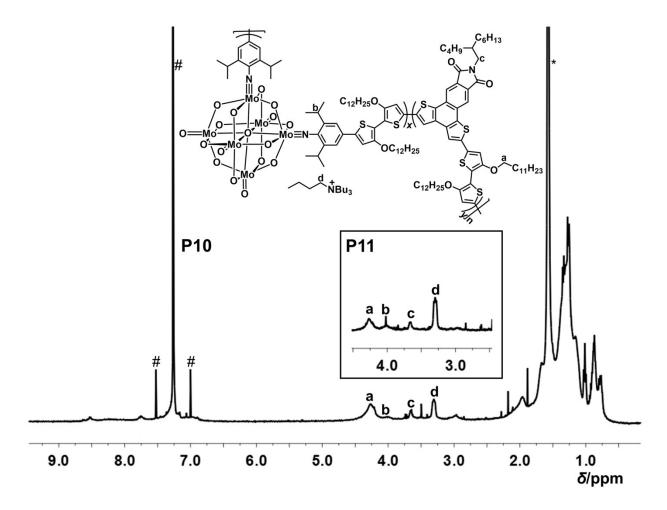


Fig. S1 ¹H NMR spectrum of **P10** in CDCl₃ (signals labeled with "#" or "*" are solvent peaks). The inset in rectangle displays the region of interest of the ¹H NMR spectrum of **P11** in CDCl₃.

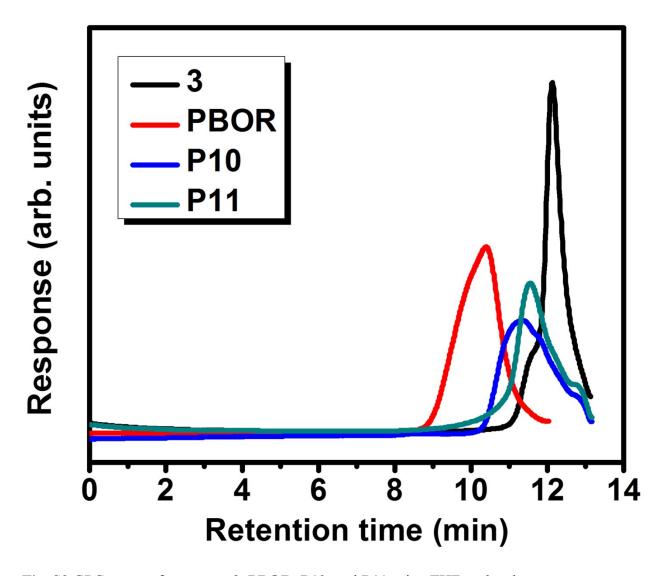


Fig. S2 GPC traces of monomer 3, PBOR, P10, and P11 using THF as the eluent.

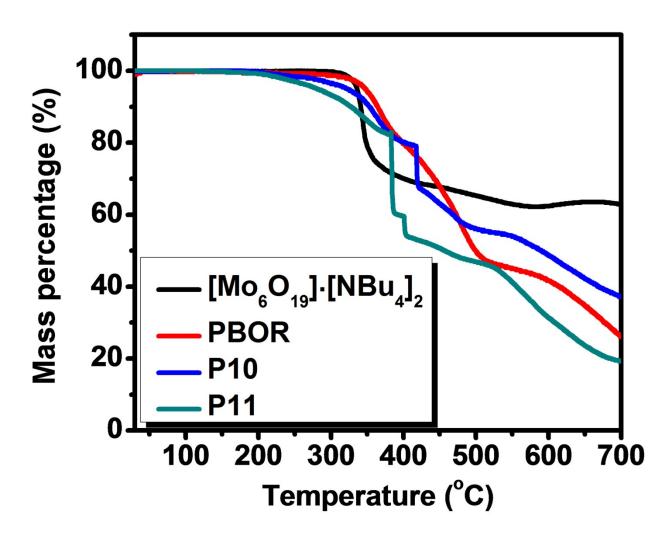


Fig. S3 TGA thermograms of $[Mo_6O_{19}] \cdot [NBu_4]_2$ cluster, PBOR, P10 and P11.

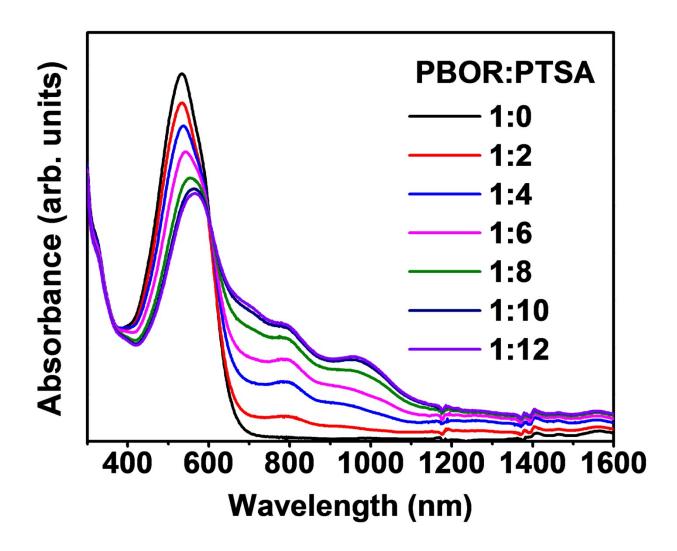


Fig. S4 Absorption spectra of dilute THF solutions of polymer **PBOR**:*p*-toluenesulfonic acid (PTSA) mixture in different molar ratios. The concentration of **PBOR** was kept as constant during measurements.