Solvent effects on electrosynthesis, morphological and

electrochromic properties of a nitrogen analog of PEDOT

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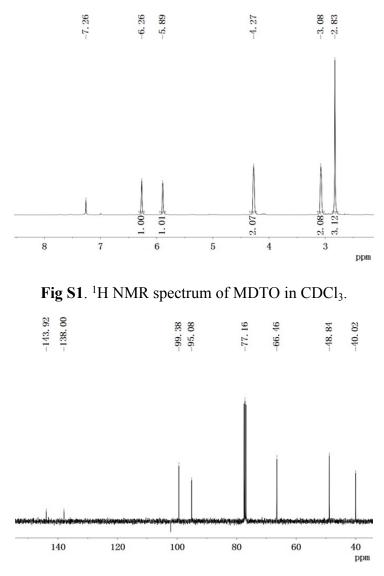


Fig S2. ¹³C NMR spectrum of MDTO in CDCl₃.

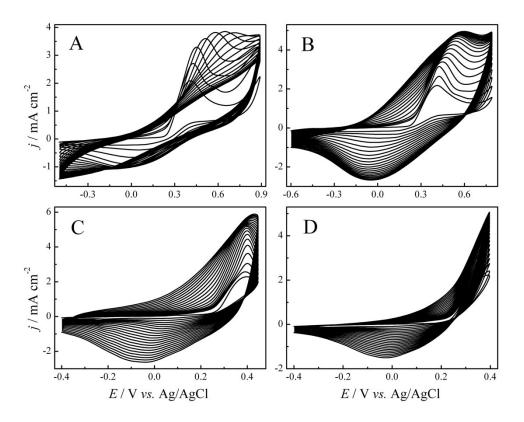


Fig. S3 Electropolymerization of 0.01 mol L^{-1} MDTO in deionized water under different potential scanning ranges. Supporting electrolyte: 0.1 mol L^{-1} LiClO₄.

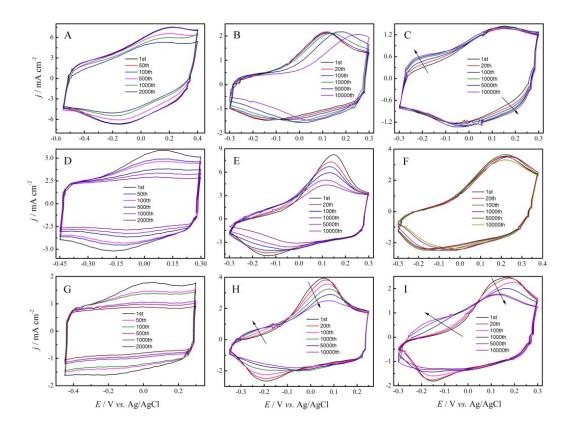


Fig. S4 The long-term electrochemical activity of PMDTO in monomer-free DW (A, D and G), ACN (B, E and H) and PC (C, F and I). PMDTO prepared in DW (A, B and C); PMDTO prepared in ACN (D, E and F); PMDTO prepared in PC (G, H and I).

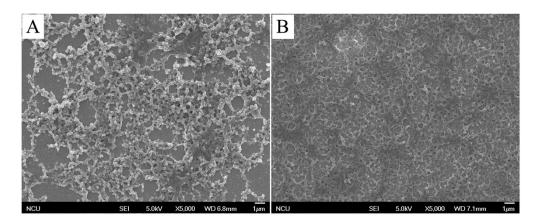


Fig. S5 SEM images of PMDTO films deposited electrochemically on ITO electrode: PMDTO obtained in ACN (A) and BmimPF_6 (B) at magnification of 5000×.