

Electrochemical synthesis of hydroxyl group-functionalized

PProDOT/ZnO for a ultraviolet photodetector†

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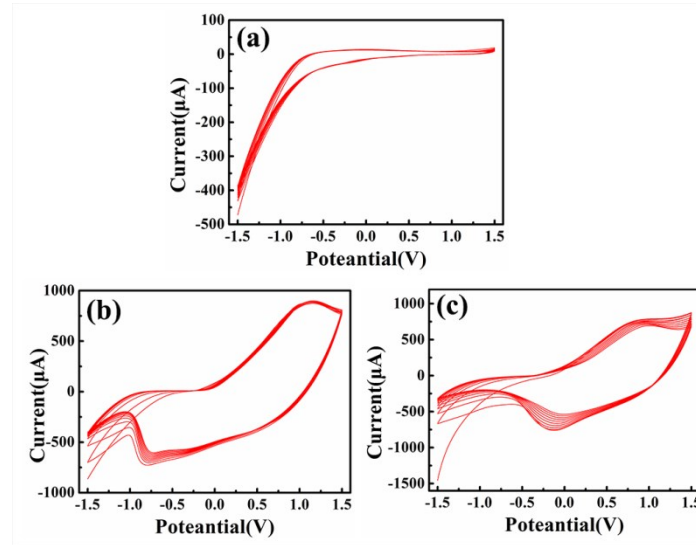


Fig S1 Cyclic voltammograms of (a) ZnO (b) ZnO/PProDOT, (c) ZnO/PProDOT-OH composites in an electrolyte of 0.05 M tetra-n-butylammonium hexafluorophosphate TBAPF₆ in dichloromethane solution at 100 mV/s sweep rate.

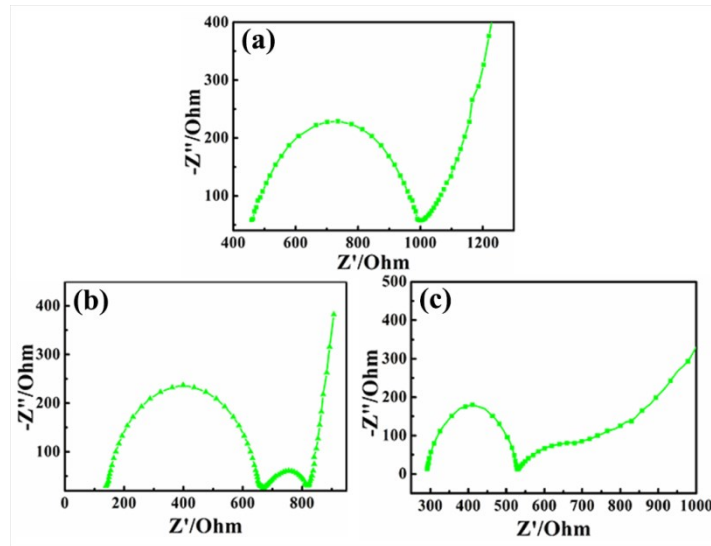


Fig S2 EIS spectra of (a) ZnO (b) ZnO/PProDOT, (c) ZnO/PProDOT-OH composites in an electrolyte of 0.05M tetra-n-butylammonium hexafluorophosphate TBAPF₆ in dichloromethane solution .

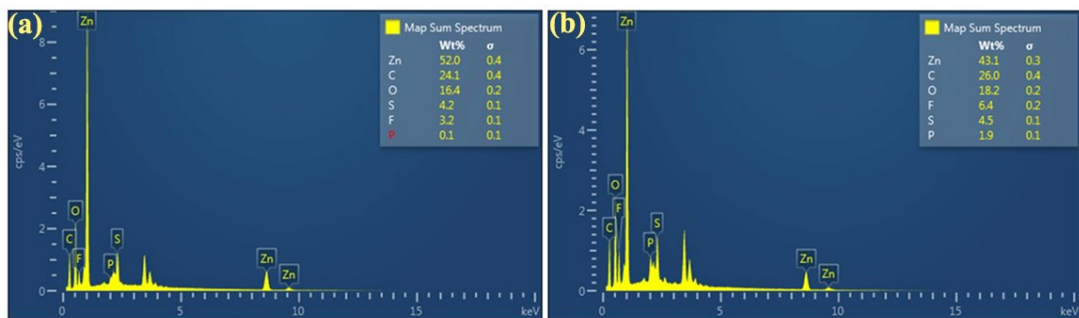


Fig S3 EDS of (a) ZnO/PProDOT, (b) ZnO/ProDOT-OH composites.