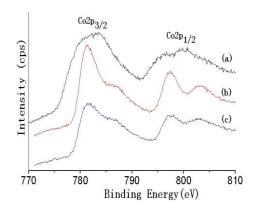


 $Fig.~S1~XPS~spectrum~of~RGO-PANI-Co_3O_4~(a),~RGO-PPy-Co_3O_4~(b)~and~RGO-PEDOT-Co_3O_4~(c).\\$



 $Fig.~S2~Co~2p~XPS~spectra~of~RGO-PANI-Co_3O_4~(a),~RGO-PPy-Co_3O_4~(b)~and~RGO-PEDOT-Co_3O_4~(c).\\$

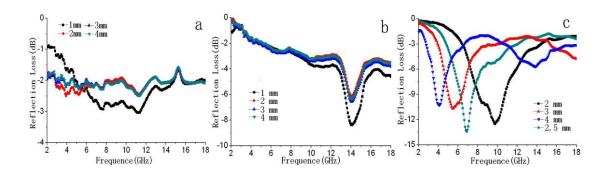


Fig. S3 The R_L of RGO-PANI (a), RGO-PPy (b) and RGO-PEDOT (c).