

Table S1 The EDX analyses of CdS@HPEc-g-PANi and mCdS@HPEc-g-PANi

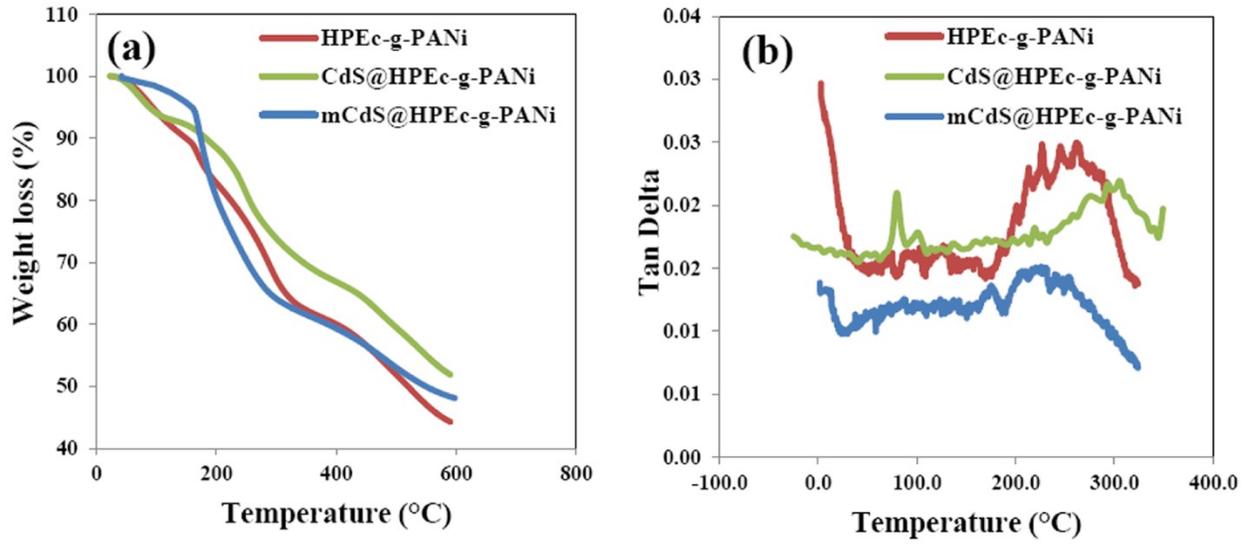
Element	CdS@HPEc-g-PANi	mCdS@HPEc-g-PANi
C	46.87	51.09
O	14.99	13.37
N	25.45	19.80
Cd	4	6.85
S	8.68	8.90

Table S2 The T_{\max} values and total weight loss (%) obtained by TGA analyses

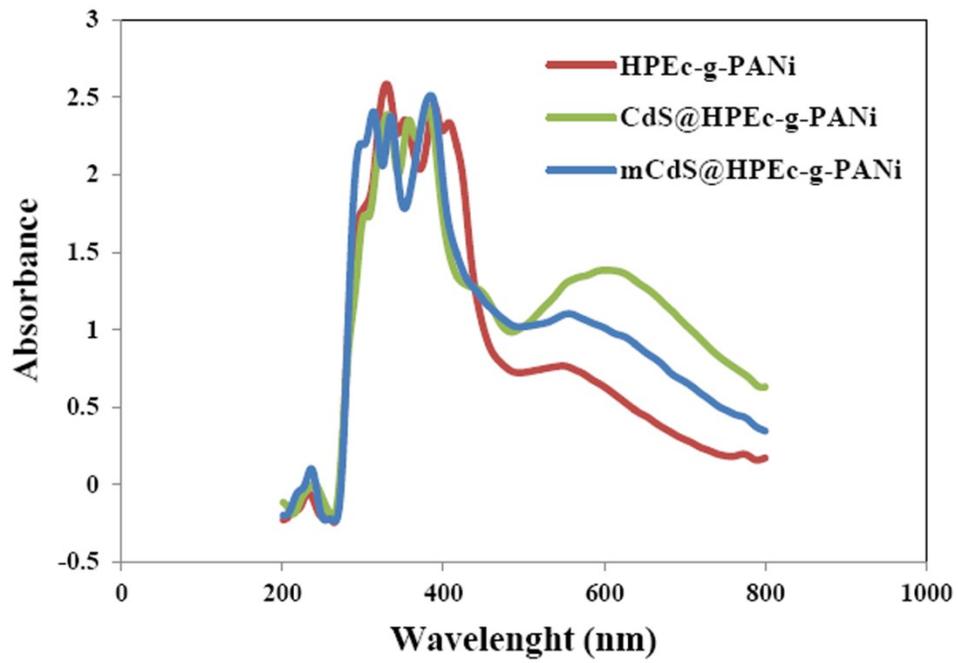
Sample	T_{\max}	Total weight loss (%)
HPEc-g-PANi	396 °C	55.75
CdS@HPEc-g-PANi	421 °C	48.14
mCdS@HPEc-g-PANi	403 °C	51.68

Table S3 The values of $\tan \delta$ and T_g obtained by DMTA analyses

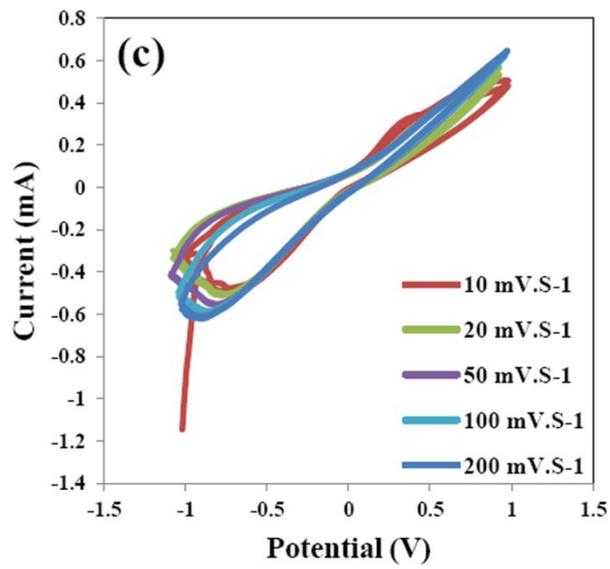
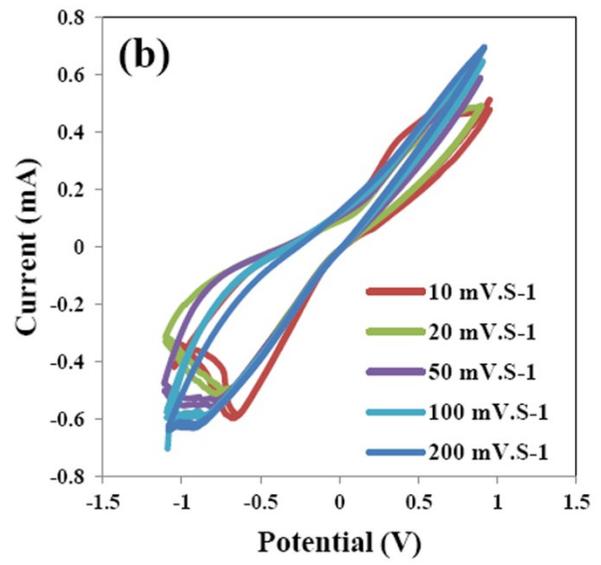
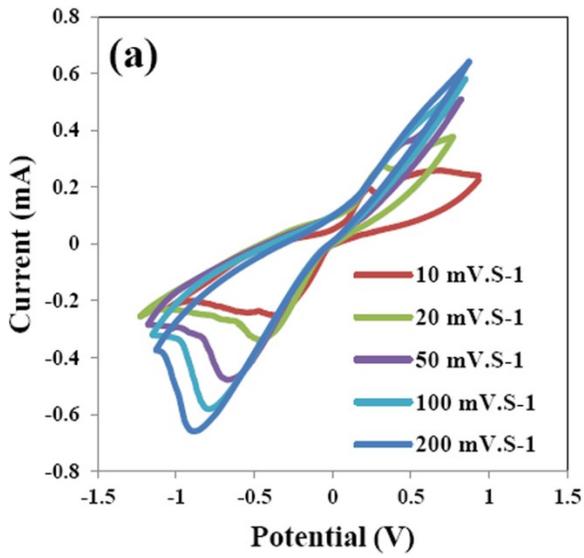
Sample	$\tan \delta$	T_g
HPEc-g-PANi	0.023	250 °C
CdS/HPEc-g-PANi	0.021	300 °C
mCdS@HPEc-g-PANi	0.015	225 °C



1S FIG.



2S FIG.



3S FIG.