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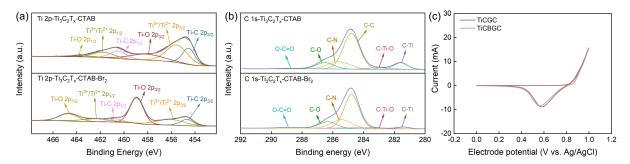


Fig. S20 High-resolution (a) Ti 2p and (b) C 1s XPS spectra of  $Ti_3C_2T_x$ -CTAB and  $Ti_3C_2T_x$ -CTAB-Br<sub>2</sub>. (c) CV curves of TiCGC and TiCBGC in 2 M ZnBr<sub>2</sub> + 3 M KCl + 0.4 M MEPBr at the scan rate of 10 mV s<sup>-1</sup>.