Catalytic and filterable polyester-filter membrane electrode with a high performance
Carbon foam-Fe-Co catalyst improved electricity generation and waste-water
treatment in MBR-MFC

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Supplementary material

For the comparison of different catalysts in CV curves

It can be seen that the electrochemical activity of the Carbon foam-Fe-Co is much
higher than the PANI and Pt-C loaded on glassy carbon electrode from Fig. S1. To
evaluate the stability of the Carbon foam-Fe-Co, the CV was scanned for three circles.
As shown in Fig. S1, all the peaks become a little weak. Therefore, the Carbon foam-
Fe-Co catalyst is stable.

Fig.S1 The cyclic voltammograms comparison of different catalysts on glassy carbon
electrode in 0.1 M H\textsubscript{2}SO\textsubscript{4} sparged with O\textsubscript{2}. 
Fig.S2 The comparison of flux of the different cathode membrane electrodes in filtrating Yeast suspension