Supporting materials

Preparation of conductive microfiltration membrane and its performance in a coupled configuration of membrane bioreactor with microbial fuel cell

Lihua Huang 1,2,3,4, Xiufen Li 1,3,4,* Yueping Ren 1,3,4, and Xinhua Wang 1,3,4

1Laboratory of Environmental Biotechnology, School of Environmental and Civil Engineering, Jiangnan University, Wuxi 214122, PR China

2School of Agriculture and Forestry Science, Linyi University, Linyi 276005, PR China

3Jiangsu Key Laboratory of Anaerobic Biotechnology, Wuxi 214122, PR China

4Jiangsu Cooperative Innovation Center of Technology and Material of Water Treatment, Suzhou 215009, PR China

Fig. S1 Sketch map of the preparation for G-FM

*Address correspondence to Professor Xiufen Li, Laboratory of Environmental Biotechnology, School of Environmental and Civil Engineering, Jiangnan University, Wuxi 214122, China.
E-mail: xfl@jiangnan.edu.cn. Tel.: +86 510 85326516.(X. Li)
Fig. S2 SEM images of the graphene nanosheets prepared by redox method, (a, ×10,000) and (b, ×50,000).
Fig. S3 CV curves of the bare Pt/C and prepared G-FM in 1 mol/L KCl containing 0.05 mol/L K$_3$[Fe(CN)$_6$] at a scanning rate of 5 mV/s.

Fig. S4 Contact angels of the commercial FM (a) and prepared G-FM (b).

<table>
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<th>Element</th>
<th>Wt%</th>
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<td>CK</td>
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<td>FK</td>
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Matrix Correction ZAF

Fig. S5 EDX spectra of the commercial FM (a) and prepared G-FM (b).