Supporting Information

Three Dimensional Porous Graphene/Nickel Anode to Simultaneously Boost the Bio- and Electro-catalysis for High Performance Microbial Fuel Cells

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Fig S1. A schematic view of MFC operations.
Fig S2. SEM micrographs of G/NiIII

Fig S3. XRD (a) result of GO, RGO and RGO on G-Gel/NF electrode; TGA (b) information of G/Ni at different concentration.

Fig S4. Pore size distribution of graphene aerogel in G/NiIII composite
Fig S5. Cyclic voltammograms of G/Ni electrode conducted in 0.1 M phosphate buffered (a) and in anaerobic S. putrefaciens cell suspensions in phosphate buffer (b)

Fig S6. SEM micrographs of S. putrefaciens cells adhered on the nickel foam anode electrode surface (a: low magnification, b: high magnification)