**Supplemental Material**

**High-Performance Paper-based Biocathode fabricated by Screen-printing an improved Mesoporous Carbon Ink and by Oriented Immobilization of Bilirubin Oxidase**

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**S1**



**Fig. S1.** Storage stability of BFCs. Power density of biofuel cell fabricated using MgOC inks with CMC and bilirubin as guide for BOD immobilization and stored for 24, 48, 72, or 96 h. Storage conditions: room temperature; ambient humidity. Evaluation conditions: 1 M phosphate buffer, pH 7.0; 100 mM lactate; humidity 70%; temperature 36 ºC. Biocathode enzyme: BOD; bioanode enzyme: LOx; bioanode mediator: 1,2-NQ.