

Supporting Information

Turning trash to treasure: Reusable glucose kit as a cell using ZnO derived from Metal organic framework (MOF) electrode for redox flow battery

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Table S1. coulombic, voltage, and energy efficiency of current densities ranging from 5-20 mA.cm⁻² and corresponding average charge discharge voltage

Current density (mA/C m²)	coulombic efficiency (%)	Average charge voltage (V)	Average discharge voltage(V)	Voltage efficiency (%)	Energy efficiency (%)
5	23.7	1.99	1.84	92.4	21.8
10	23.01	1.99	1.331	66.8	15.37
15	22.6	1.99	1.229	61	13.7
20	20.7	1.992	1.107	55.4	11.46

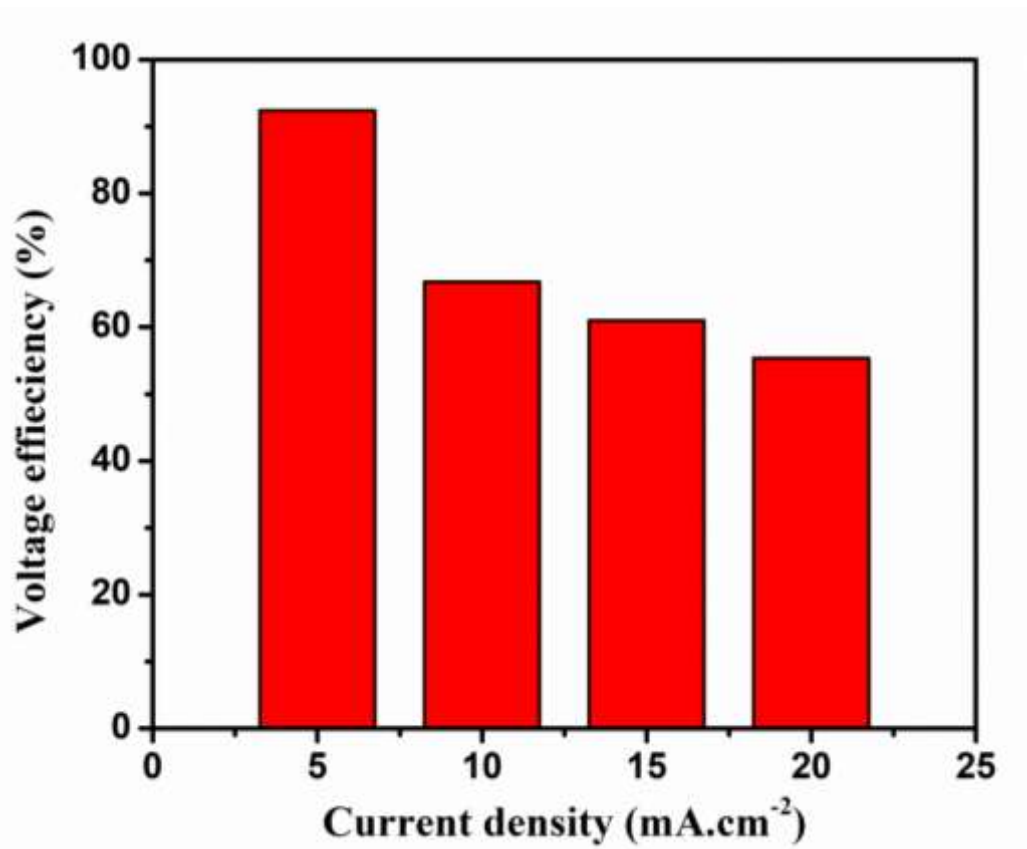


Figure S1. Voltage efficiency for this newly developed cell at current densities 5-20mA.cm⁻²

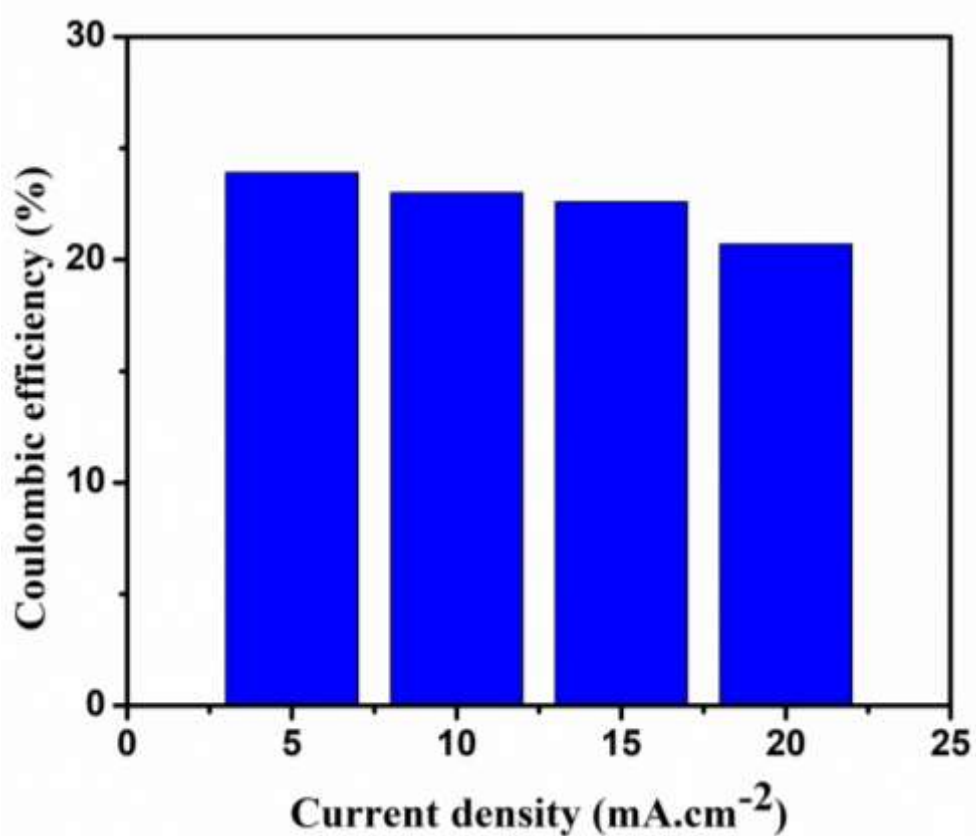


Figure S2. Coulombic efficiency at current densities 5-20 mA.cm⁻²

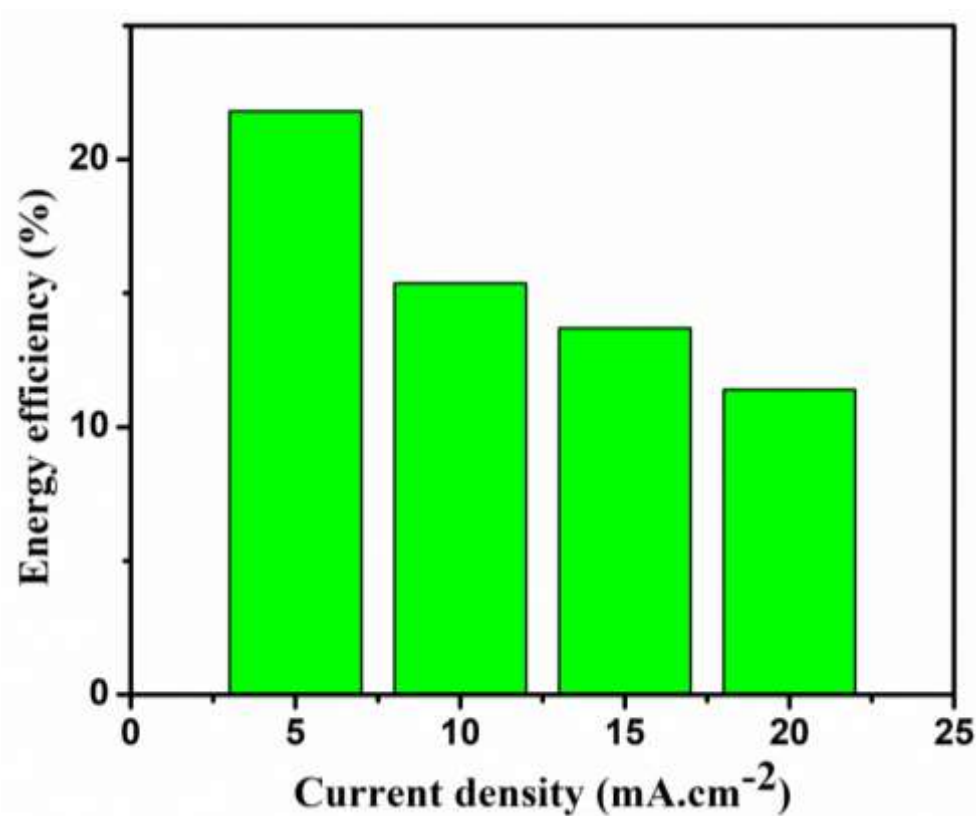


Figure S3. Energy efficiency at current densities 5-20 mA.cm⁻² for glucose kit as cell for redox flow battery