

Supporting Information

Conformal Coating of Ultrathin Ni(OH)₂ on ZnO Nanowires grown on Textile Fiber for Efficient Flexible Energy Storage Devices

Imran Shakir^{1,3}, Zahid Ali¹, Ji Hyun Bae², Jongjin Park^{2,*}, and Dae Joon Kang^{1,*}

* corresponding authors: djkang@skku.edu; jongjin00.park@samsung.com

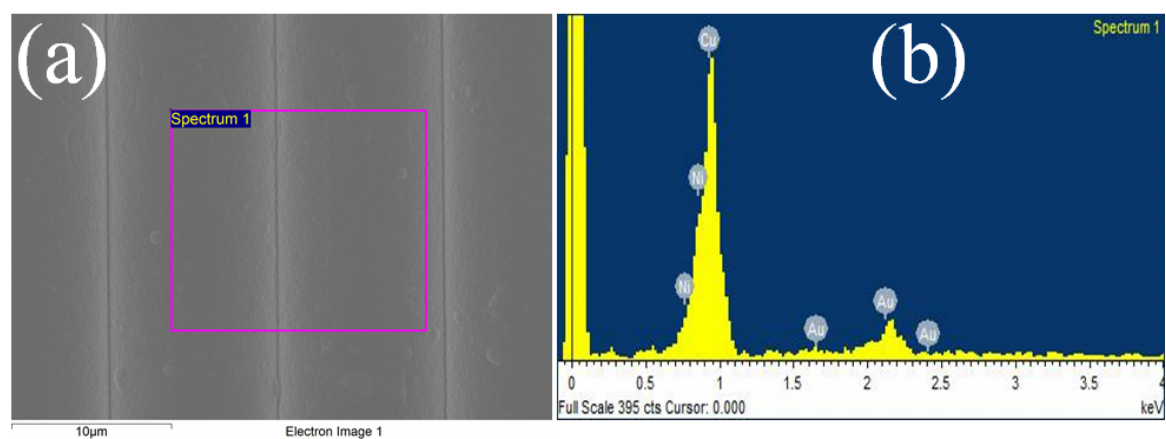


Figure S1: (a) FE-SEM image of Ni/Cu/Ni/Au deposited textile fiber fabric substrate and its crossponding EDXA is shown in (b).

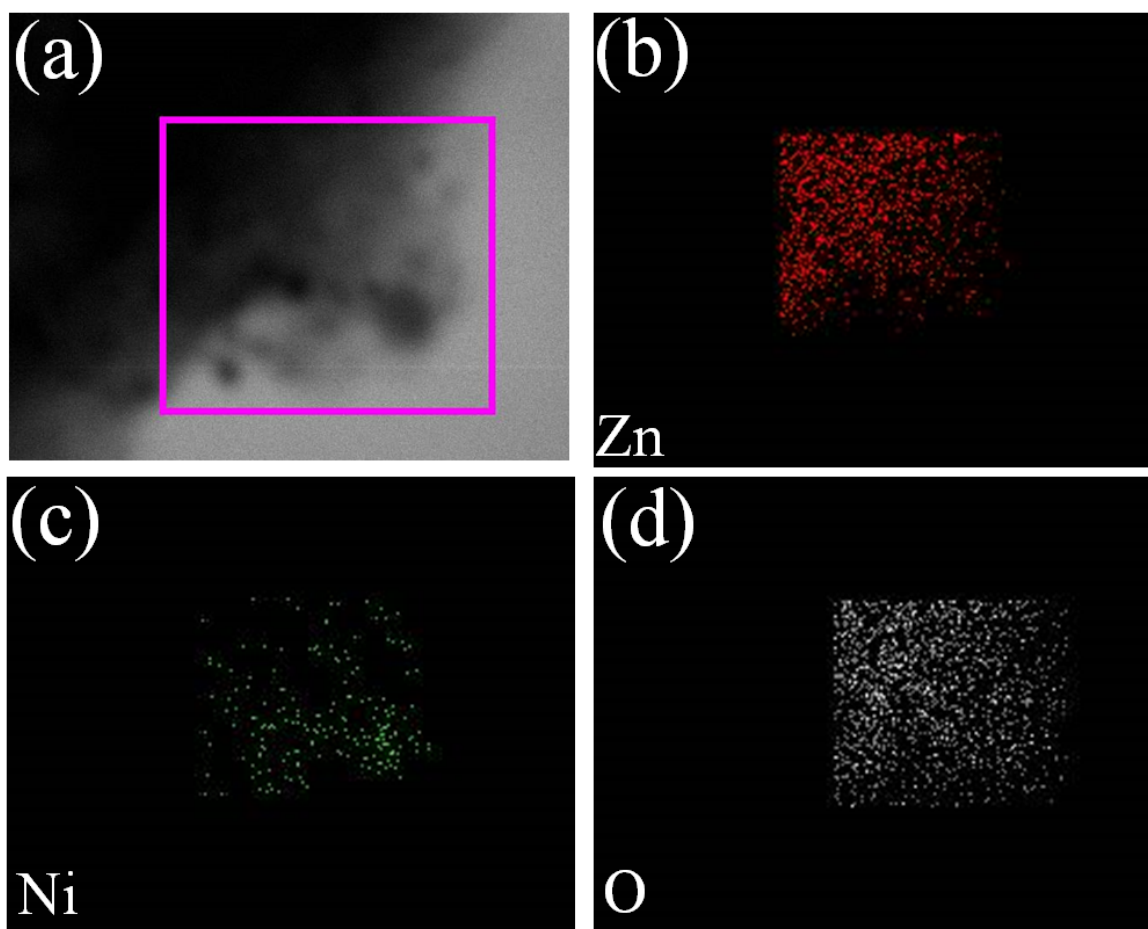


Figure S2: (a) TEM image of one Ni(OH)_2 coated ZnO nanowires and its elemental mapping are shown in figure (d), (e) and (f) respectively.

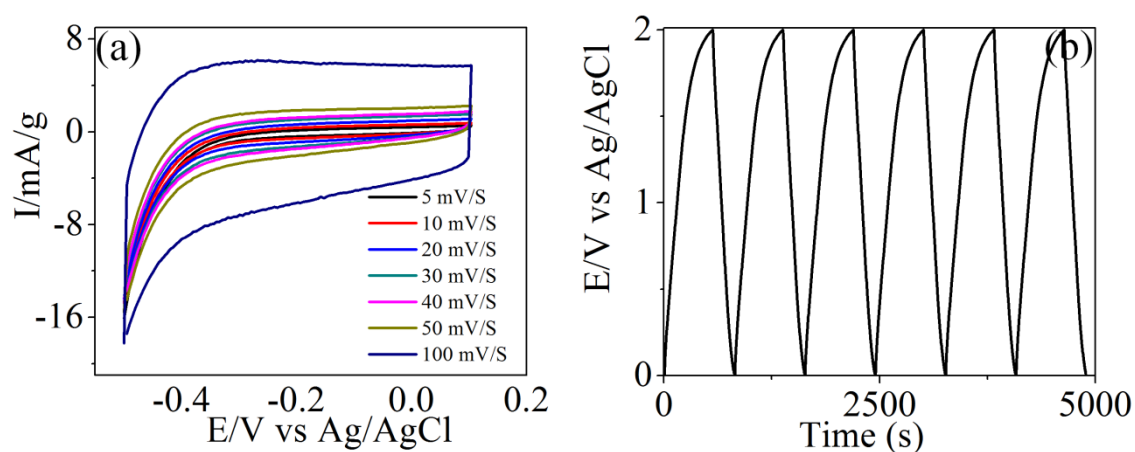


Figure S3: (a) Cyclic voltammetry (CV) of 2 nm Ni(OH)₂-coated ZnO nanowires electrode on ITO substrate at various scan rates from 5 to 100 mV s⁻¹ in a 1 M aqueous LiOH solution at room temperature and (b) Galvanostatic charge–discharge curves of Ni(OH)₂-coated ZnO nanowires based asymmetric supercapacitor at discharge current density of 1 Ag⁻¹ in a 1 M aqueous LiOH solution at room temperature.