

Supporting Information

Transparent and Conductive Paper From Nanocellulose Fibers

Liangbing Hu^{#, a}, Guangyuan Zheng^{#, b}, Jie Yao,^a Nian Liu,^c Ben Weil,^a Martin Eskilsson,^e Erdem Karabulut,^e Zhichao Ruan,^f Shanhui Fan,^f Jason T. Bloking,^a Michael D. McGehee,^a Lars Wågberg^{*e} and Yi Cui^{*ad}

^aDepartment of Materials Science and Engineering, Stanford University, Stanford, California 94305, USA. E-mail: yicui@stanford.edu

^bDepartment of Chemical Engineering, Stanford University, Stanford, California 94305, USA

^cDepartment of Chemistry, Stanford University, Stanford, California 94305, USA

^dStanford Institute for Materials and Energy Sciences, SLAC National Accelerator Laboratory, 2575 Sand Hill Road, Menlo Park, California 94025, USA

^eFibre and Polymer Technology, KTH Royal Institute of Technology, Teknikringen 56, 10044 Stockholm, Sweden. E-mail: wagberg@kth.se

^fDepartment of Applied Physics, Stanford University, Stanford, California 94305, USA

* Corresponding Authors

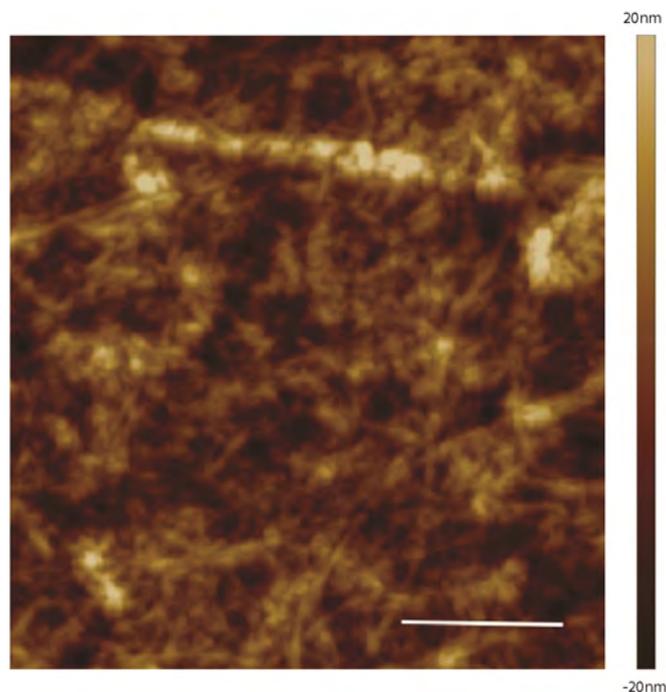


Figure S1 Atomic force microscope image of nanocellulose paper.

The scale bar is 500 nm.

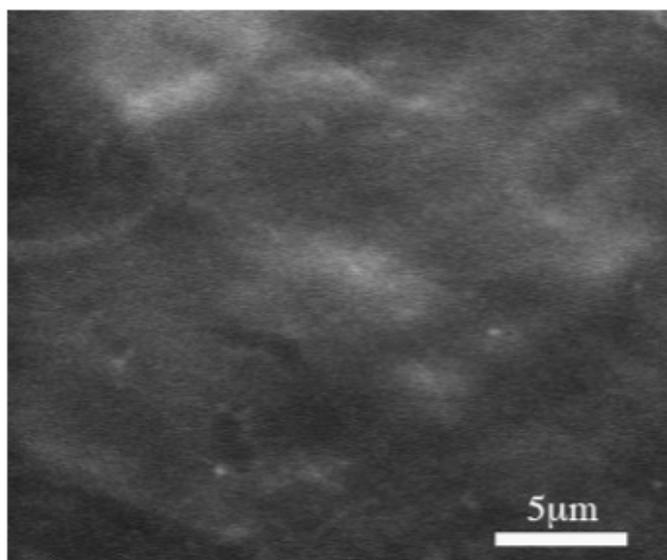


Figure S1 Scanning electron microscope image of ITO coated nanocellulose paper.

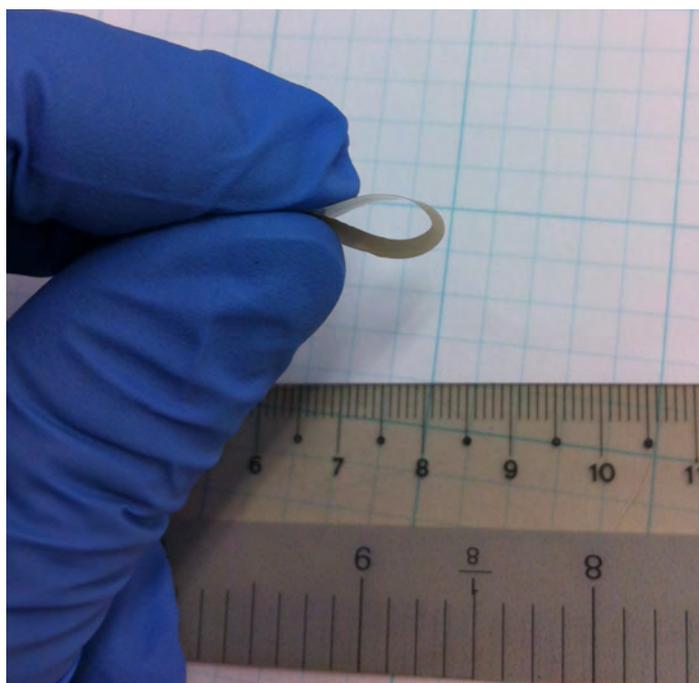


Figure S2 Digital camera image of ITO coated nanocellulose paper, demonstrating the high flexibility of the conductive paper.

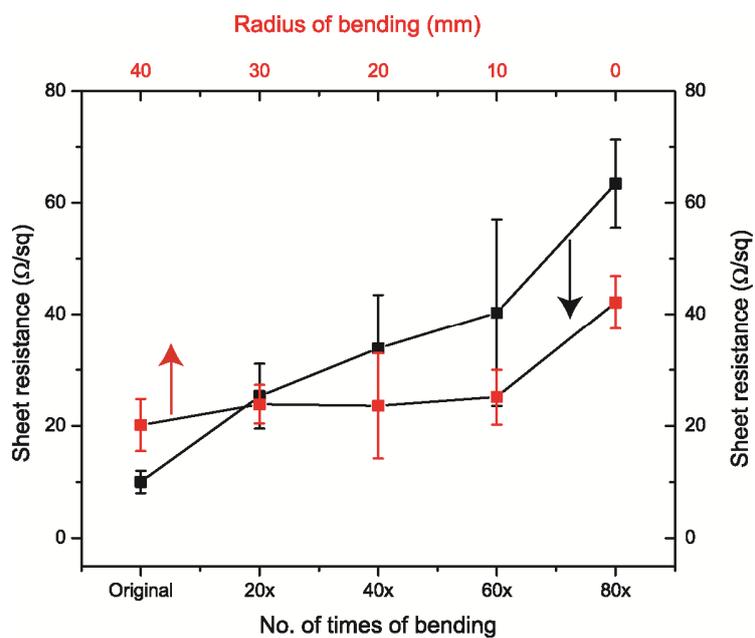


Figure S4 Sheet resistance versus bending radii and number of bendings.