Electronic Supplementary Material (ESI) for Journal of Materials Chemistry C.

Supporting Information:

Electrochromic Devices from Ultrathin Nanowires of Tungsten Oxide

*Brian Moshofsky and Taleb Mokari**

Department of Chemistry and Ilse Katz Institute for Nanoscale Science and Technology, Ben-Gurion University of the Negev, Beersheva 84105, Israel

* mokari@bgu.ac.il

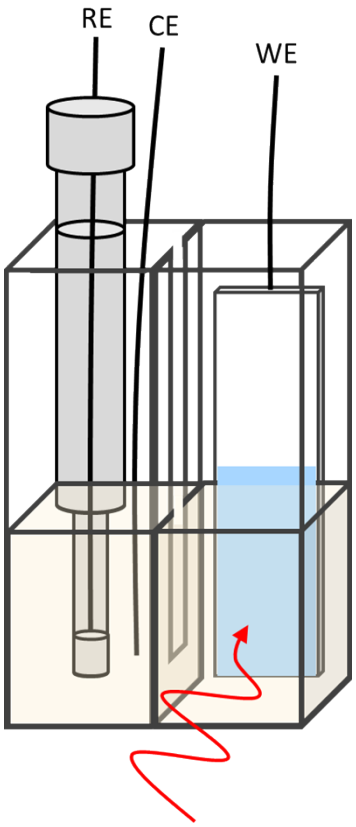

Figure S1. Depiction of the setup used to measure optical changes of WO_x films along with applied potentials.

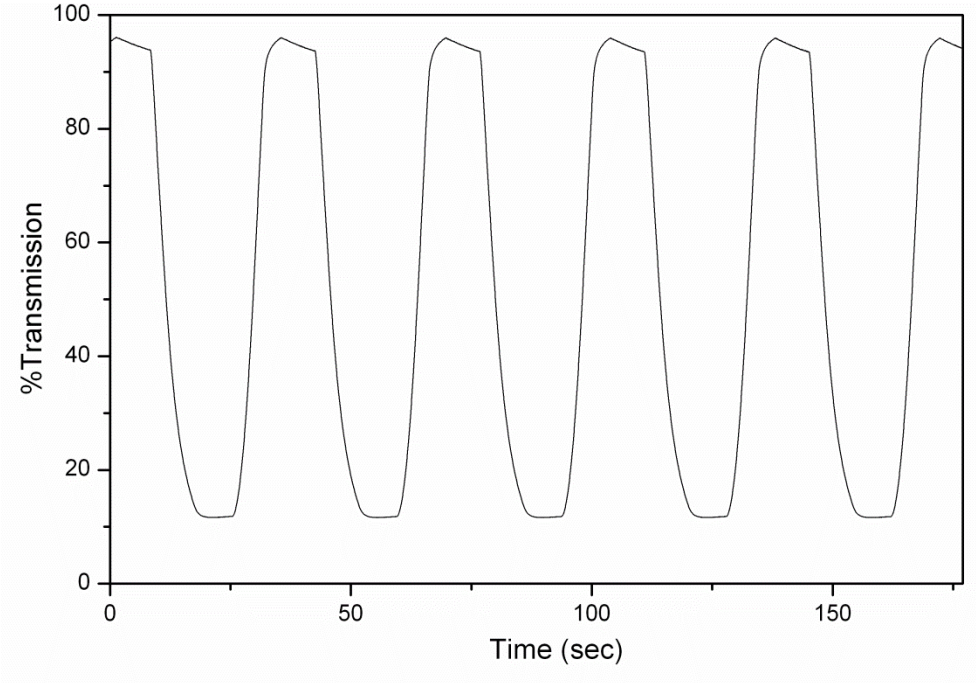

Figure S2. Five color bleach cycles for our 4-layer films with a charge insertion of 20 mC (film area was 1.2 cm^2). Films achieve a coloration change of over 80% transmission and return to their full transparency upon bleaching.

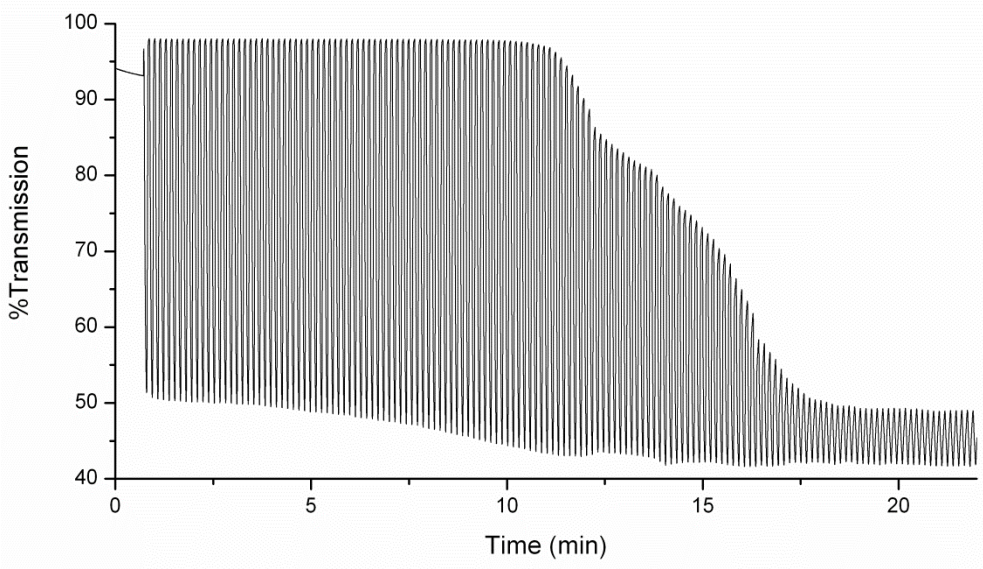

Figure S3. Stability test for a 100 nm thick film. The charge insertion/extraction here was ~5 mC. This graph demonstrates the irreversible coloring that occurs with excess reduction and charge insertion.