Supporting Information

Dual-Band Electrochromic Devices with a Transparent Conductive Capacitive Charge-Balancing Anode

Shengliang Zhang,[†,‡] Yang Li,[†] Tianran Zhang,[†,‡] Sheng Cao,[†,‡] Qiaofeng Yao,[†] Haibin Lin,[†] Hualin Ye,[†] Adrian Fisher,[‡,§] and Jim Yang Lee[*,†,‡]*

[†] Department of Chemical and Biomolecular Engineering, National University of Singapore, 10 Kent Ridge Crescent, Singapore 119260, Singapore

[‡] Cambridge Centre for Advanced Research and Education in Singapore, 1 Create Way, Singapore 138602, Singapore

[§] Department of Chemical Engineering and Biotechnology, University of Cambridge, West Cambridge Site, Philippa Fawcett Drive, Cambridge CB3 0AS, United Kingdom.

Corresponding Author

*Email: cheleejy@nus.edu.sg

Supporting Figures and Table

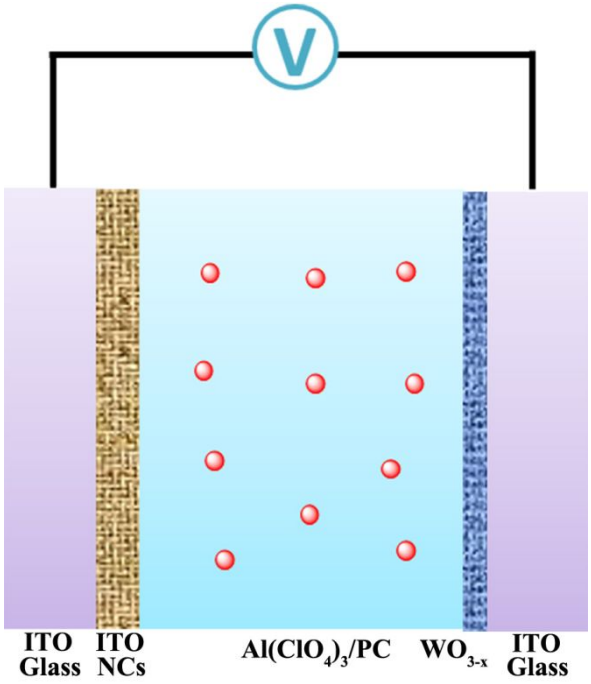

Figure S1. Schematic of DBED based on a WO_{3-x} cathode and an ITO NC anode.

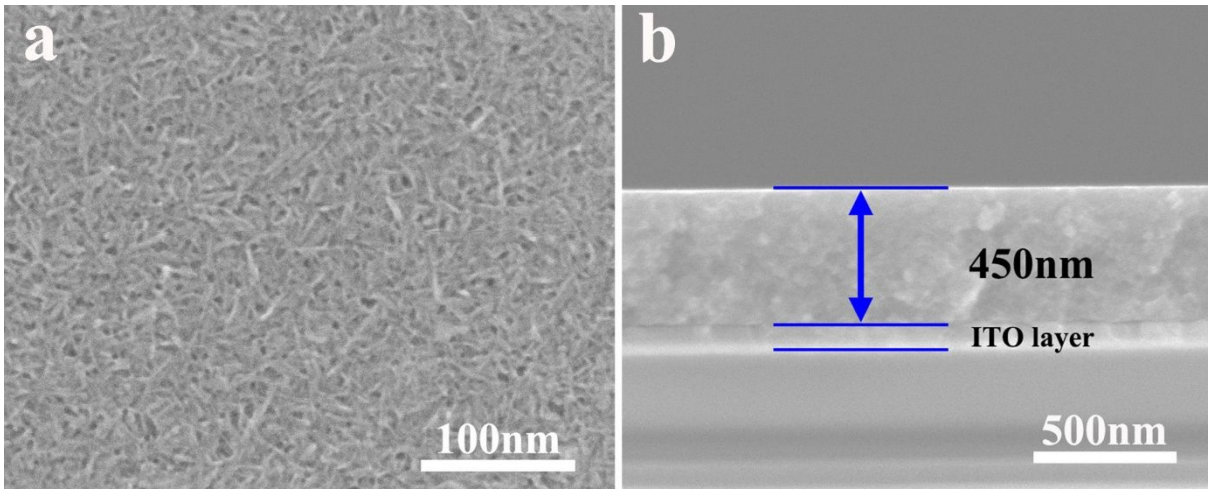

Figure S2. (a) Surface and (b) cross-sectional SEM images of the WO_{3-x} NW film.

Table S1. Chemical composition and bandgap of ITO NCs with different Sn-dopant contents.

Nominal Sn at%	Sn at% estimated by ICP-OES	Band gap (eV)
0	0	3.78
2	2.3	3.97
4	4.5	4.04
10	10.3	4.15

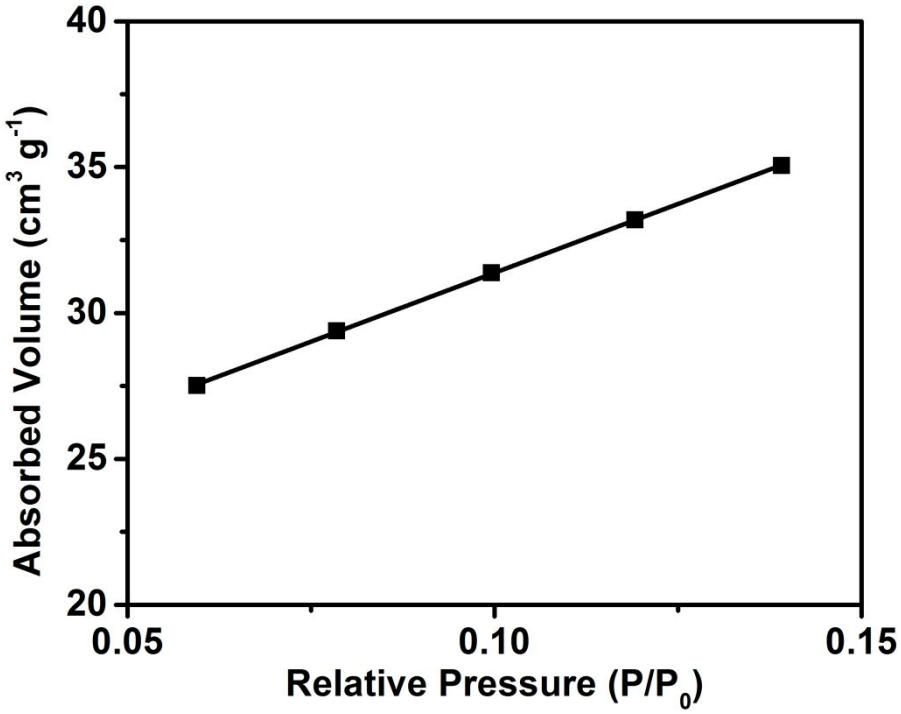

Figure S3. The N_2 adsorption isotherm of ITO NCs.

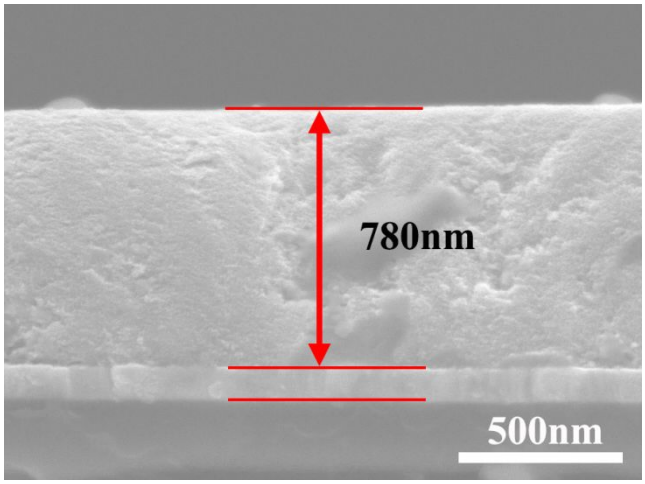

Figure S4. Cross-sectional SEM image of ITO-3L.

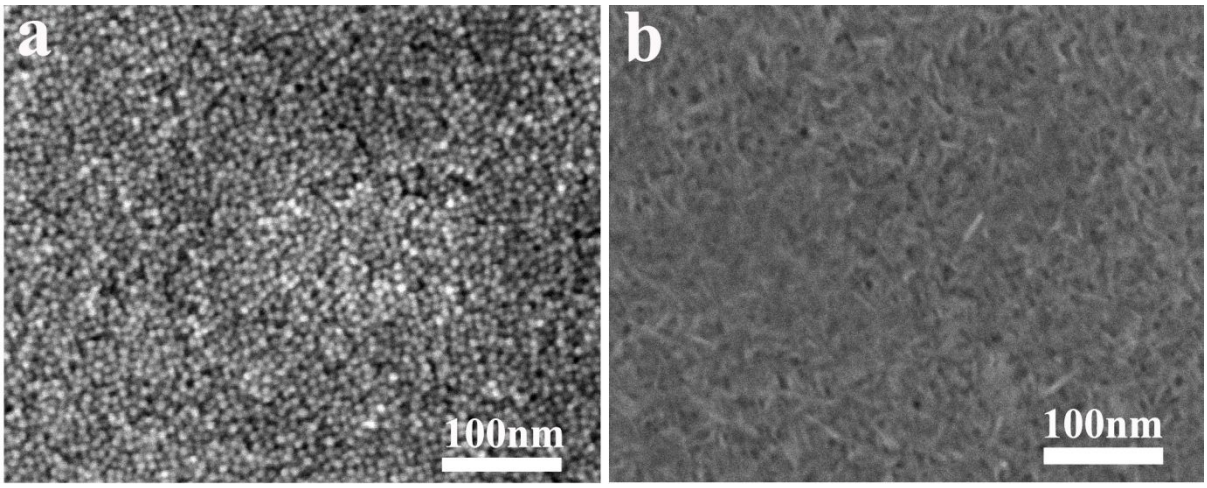

Figure S5. The SEM images of the ITO-6L anode (a) and WO_{3-x} cathode (b) after 500 cycles.