

Supporting Information

Efficient Electrochromic Device Based on Nanoparticulate WO₃ Thin Films

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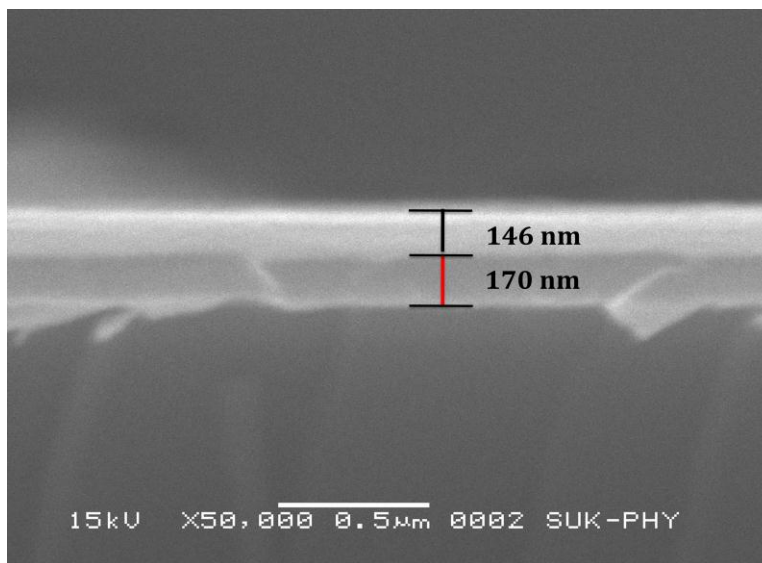


Fig.S1 Side view of WO₃ thin film deposited on ITO coated conducting glass substrate.

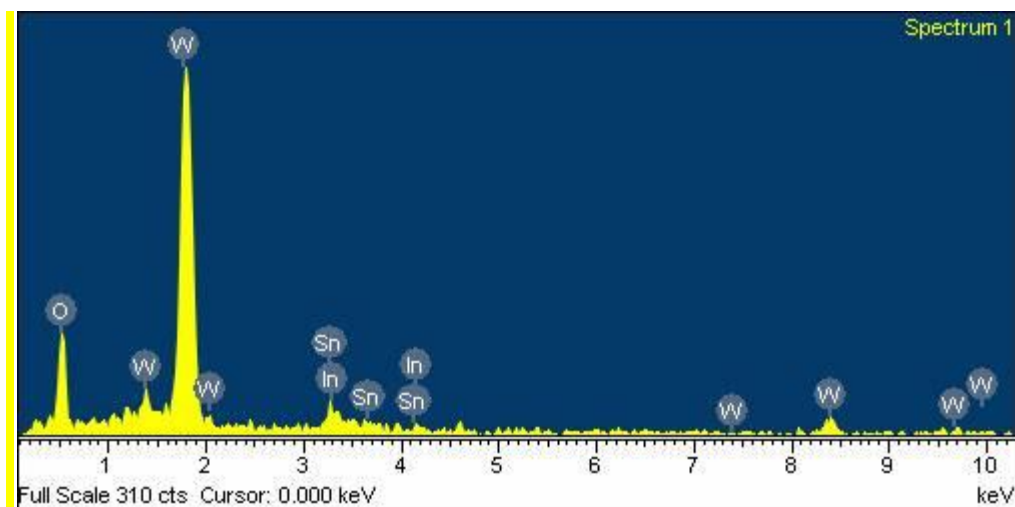


Fig.S2 Energy-dispersive X-ray spectrum of NP-WO₃ thin film

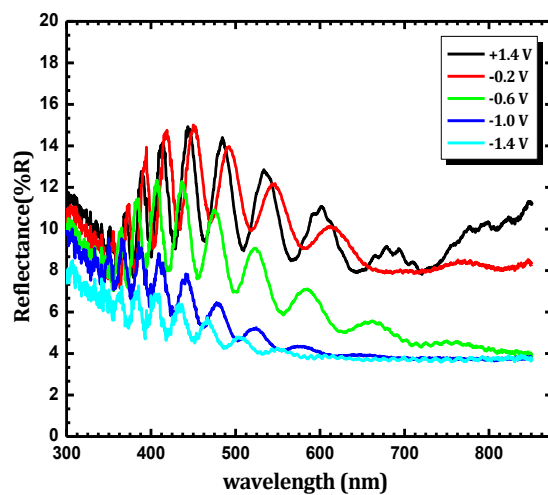


Fig.S3 Measured spectral reflectance for NP-WO₃ thin film as a function of applied potentials

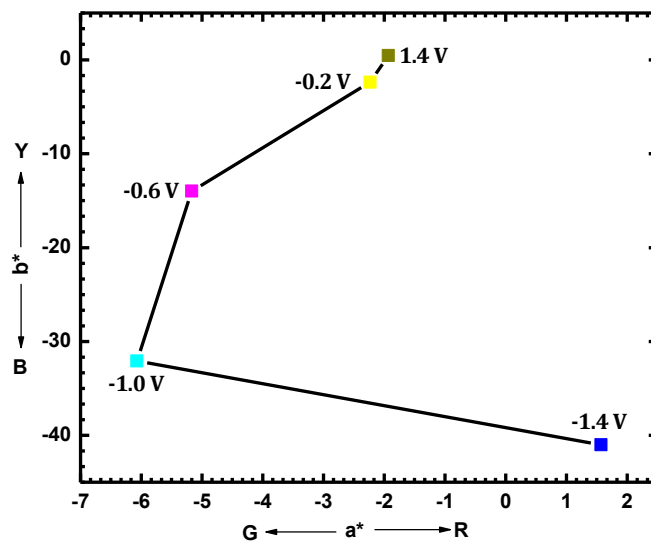


Fig. S4 (a^* , b^*) showing the hue and saturation for NP- WO_3 thin film at different applied potentials, a^* = red (+) /green (-), and b^* =yellow (+) /blue (-).

XPS Analysis

Table 2 – Peak positions, FWHMs and Area under peaks of the decomposed W (4f) XPS spectra of shown in Fig. 3 (a and b).

Bleached State		Colored State	
Peak Position (eV)	FWHM	Peak Position (eV)	FWHM
35.89 W^{6+}	1.25	35.66 W^{6+}	1.27
38.00 W^{6+}	1.26	37.76 W^{6+}	1.32
34.61 W^{5+}	1.00	34.34 W^{5+}	1.23
36.98 W^{5+}	0.5	36.89 W^{5+}	0.56