

## Supporting information

# A complementary electrochromic device based on $W_{18}O_{49}$ nanowire arrays and Prussian blue thin films

Chih-Hao Lu<sup>a</sup>, Min-Hsiung Hon<sup>a, b</sup>, Chi-Yun Kuan<sup>c</sup>, and Ing-Chi Leu<sup>\*d</sup>

<sup>d</sup>Department of Materials Science, National University of Tainan, Tainan, Taiwan,  
Republic of China. E-mail: [icleu@mail.mse.ncku.edu.tw](mailto:icleu@mail.mse.ncku.edu.tw)

Table S1 The coloration and bleaching times of the tungsten oxide films for 50% and 90% modulation

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Samples	Coloration times		Bleaching times		Reference
	$t_c(50\%)$	$t_c(90\%)$	$t_b(50\%)$	$t_b(90\%)$	
W <sub>18</sub> O <sub>49</sub> nanowire arrays	10.8 s	51.5 s	3.1 s	7.3 s	Present study
W <sub>18</sub> O <sub>49</sub> nanowire arrays + Prussian blue	6.9 s	36.8 s	1.2 s	1.9 s	Present study
Assembled nanorods	13 s	272 s	8 s	364 s	Ref. 35
Plate-like nanostructures	22 s	236 s	23 s	95 s	Ref. 40

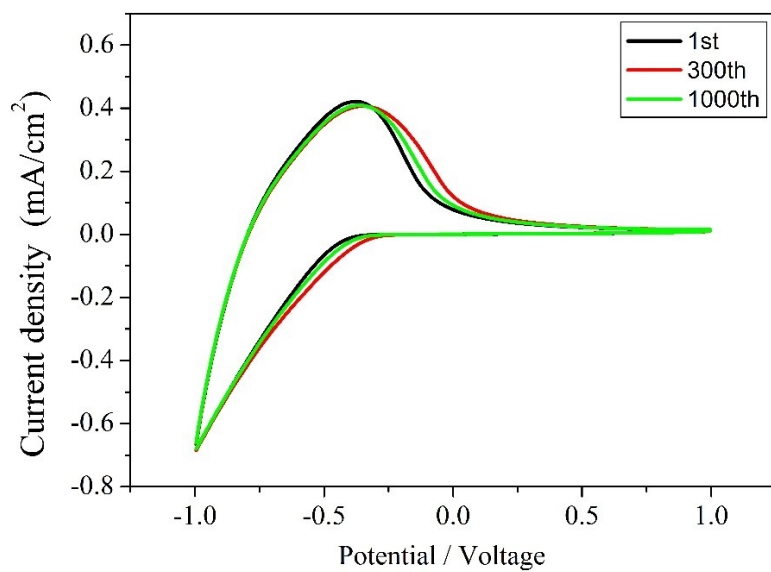


Fig. S1 C-V curves of the complementary device for the different cycles measured in  $\text{LiClO}_4/\text{PMMA}/\text{PC}$  solution with a sweep rate of  $100 \text{ mV s}^{-1}$ .