## **Supplementary Information**

Bifunctional solid state electrochromic device using WO<sub>3</sub>/WS<sub>2</sub>

nanoflakes for charge storage and dual-band color modulation

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Figure S1: EDS data showing the presence of W, S and C in the sample.



**Figure S2:** In-Situ bias-dependent (a) single switching cycle and (b) coloration efficiency of the P3HT/EV device at wavelength ~ 515 nm.



**Figure S3:** Absorbance-time spectrum curve of the device during charging/discharging at a wavelength of 800 nm.