Supporting Information

Metal-Organic Framework-Based Flexible Devices with Simultaneous Electrochromic and Electrofluorochromic Functions

Jian Liu^a, Xiu Yun Daphne Ma^a, Zhe Wang^a, Lulu Xu^a, Fuke Wang^b, Chaobin He^{b,c}, Xuehong Lu^a*

^a School of Materials Science and Engineering, Nanyang Technological University, 50 Nanyang Avenue, 639798, Singapore.

^b Institute of Materials Research and Engineering, 2 Fusionopolis Way, 138634, Singapore.

^c Department of Materials Science and Engineering, National University of Singapore, 117574, Singapore

KEYWORDS. Metal organic frameworks, electrodeposition, electrochromic, electrofluorochromic, flexible device

Corresponding Author

asxhlu@ntu.edu.sg (Xuehong Lu)

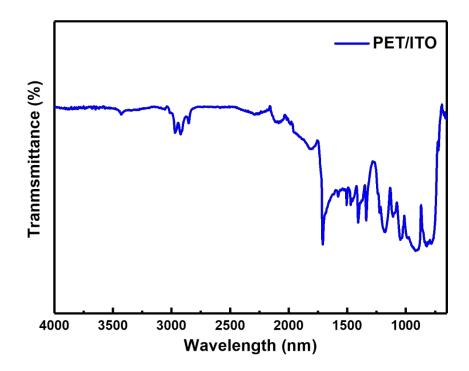


Figure S1. FTIR-ATR spectra of PET/ITO.

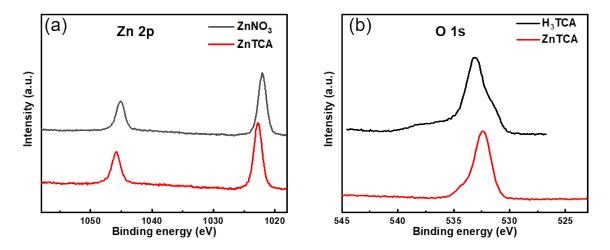


Figure S2. The (a) Zn 2p and (b) O 1s XPS spectrum of raw materials and ZnTCA samples.

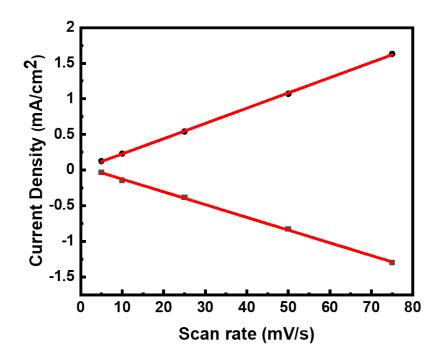


Figure S3. Current density vs scan rate of MOF-based film.

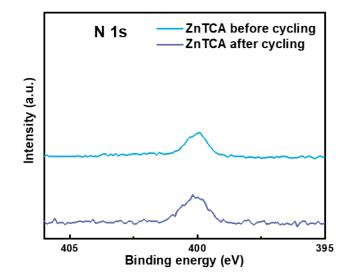


Figure S4. The N 1s XPS spectrum of ZnTCA samples before and after cycling.

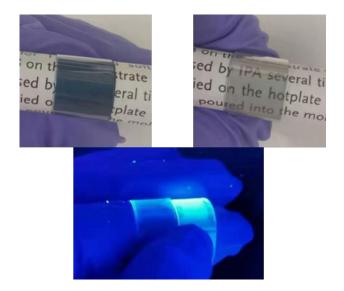


Figure S5. The photos of bending device under bright and dark condition under excitation of 365 nm.