

Supporting Information

Atomic and electronic aspects of coloration mechanism of gasochromic Pt/Mo-modified V₂O₅ smart film: an in situ x-ray spectroscopic study

Ying-Rui Lu^{1,2,3}, Hsin-Hua Hsu², Jeng-Lung Chen³, Han-Wei Chang³, Chi-Liang
Chen³, Wu-Ching Chou⁴ and Chung-Li Dong^{1,*}

¹ Department of Physics, Tamkang University, New Taipei 25137, Taiwan

² Program for Science and Technology of Accelerator Light Source, National Chiao
Tung University, Hsinchu 30010, Taiwan

³ National Synchrotron Radiation Research Center, Hsinchu 30076, Taiwan

⁴ Department of Electrophysics, National Chiao Tung University, Hsinchu 30010,
Taiwan

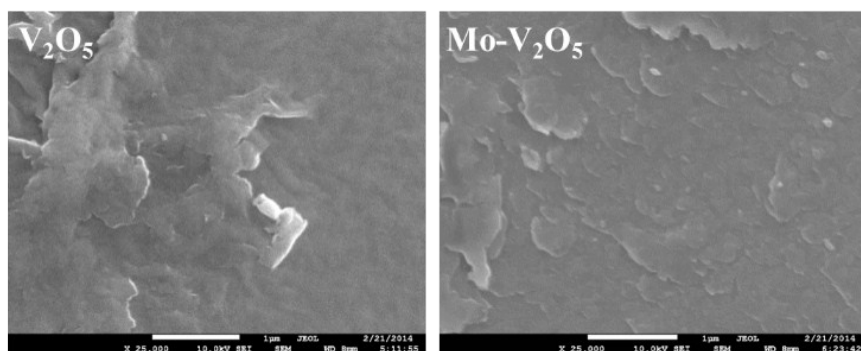


Figure S1. SEM of gasochromic V_2O_5 and $Mo-V_2O_5$ thin films.

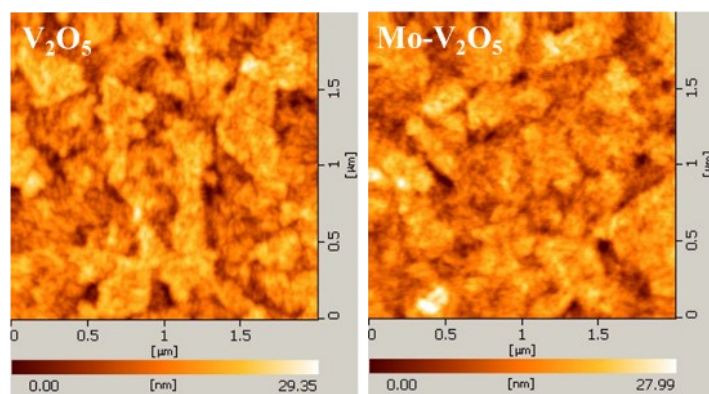


Figure S2. AFM images of V_2O_5 and $Mo-V_2O_5$ thin films.

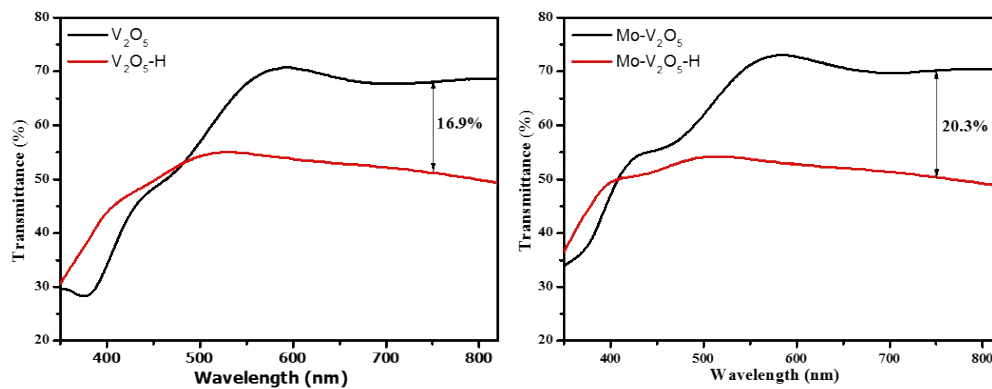


Figure S3. Spectral transmittance of V_2O_5 and $Mo-V_2O_5$ in colored and bleach states.