

# Supplemental Document

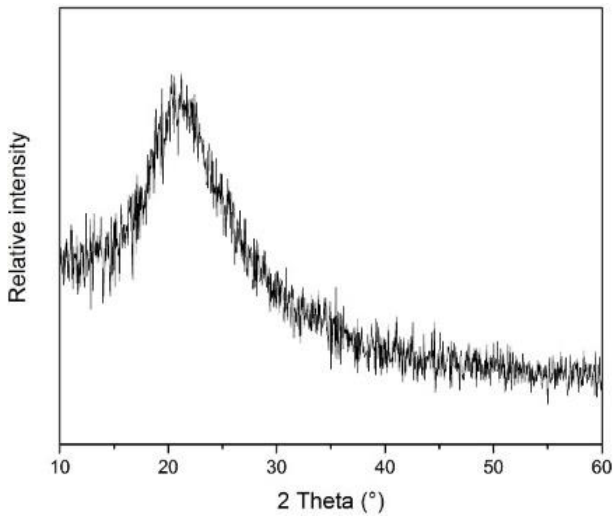


Fig. 1. XRD spectra of as-deposited VO<sub>2</sub> thin films.

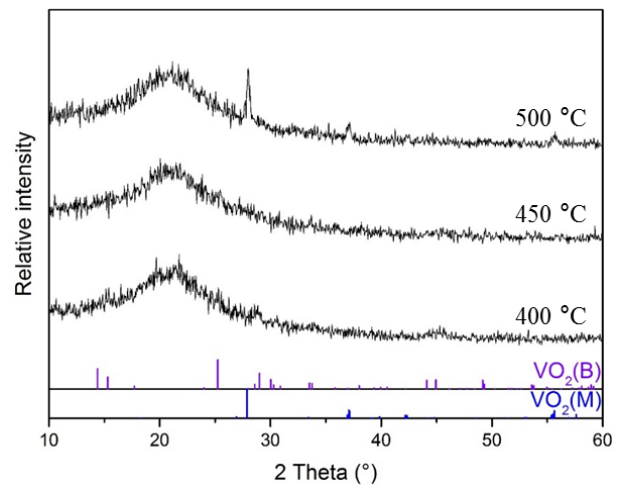


Fig. 2. XRD spectra of VO<sub>2</sub> thin films with varying annealing temperature

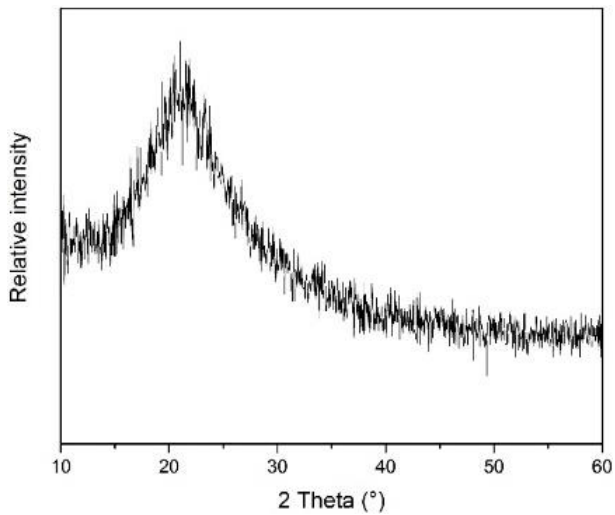


Fig. 3. XRD spectra of as-deposited W-VO<sub>2</sub> thin films.

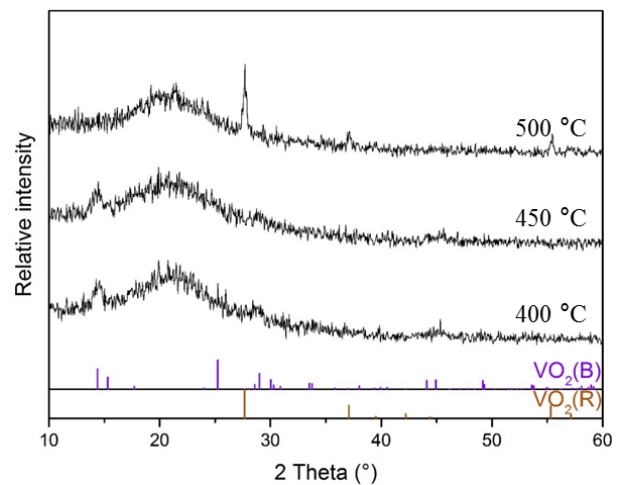


Fig. 4. XRD spectra of W-VO<sub>2</sub> films with varying annealing temperature.

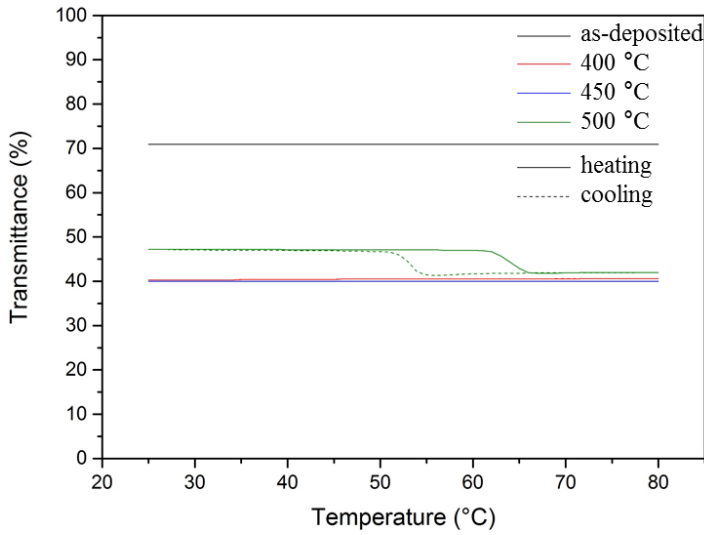


Fig. 5. Transmittance at wavelength 950 nm versus temperature for VO<sub>2</sub> thin films with varying annealing temperature.

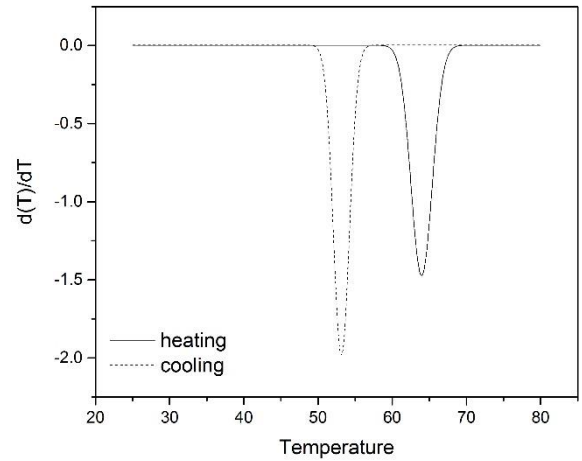


Fig. 6. Gauss fitting derivative logarithmic plots of  $d(T)/dT - T$  of the VO<sub>2</sub> thin films annealing at 500 °C.

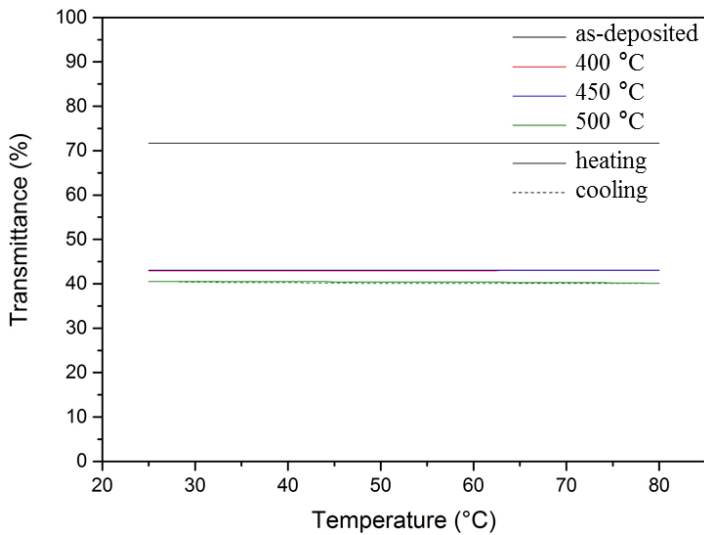


Fig. 7. Transmittance at wavelength 950 nm versus temperature for W-VO<sub>2</sub> thin films with varying annealing temperature.