

Effect of Zr Doping on the Magnetic and Phase Transition Properties of VO₂ Powder

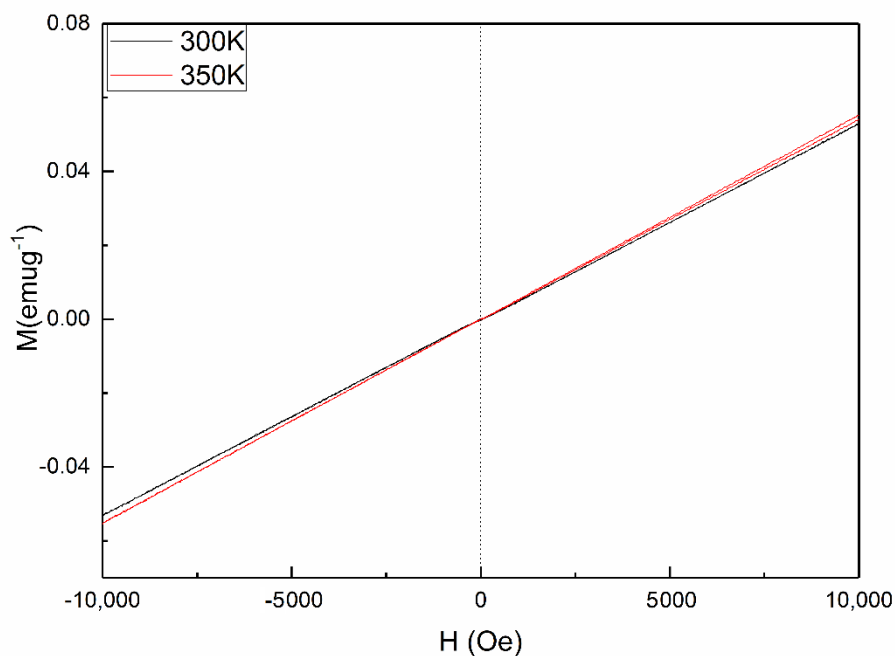


Fig. S1. Moment vs applied field curves of un-doped VO₂ powder samples before and after phase transition (300K and 350K).

From Fig.S1, the slope of un-doped VO₂ powder samples after phase transition is slightly larger than that before phase transition. But no obvious differences were observed in the samples. The un-doped VO₂ powder samples show a paramagnetic behavior before and after phase transition.

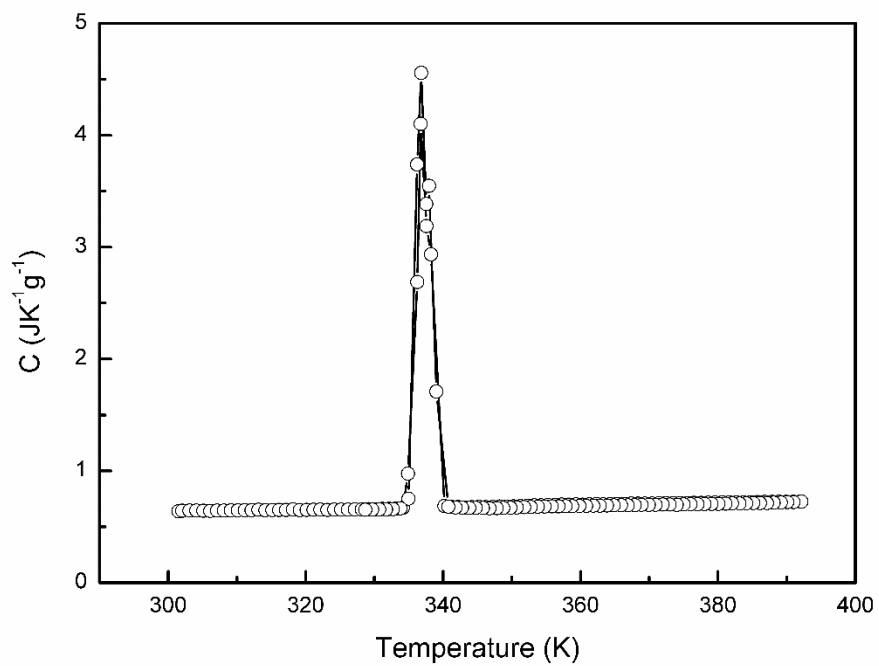


Fig. S2. Specific heat capacity vs temperature of un-doped VO₂ samples.

From Fig. S2, a sharp peak appear at phase transition temperature, which means that the phase transition of VO₂ ascribes to a first-order transition.