

SUPPORTING INFORMATION AVAILABLE

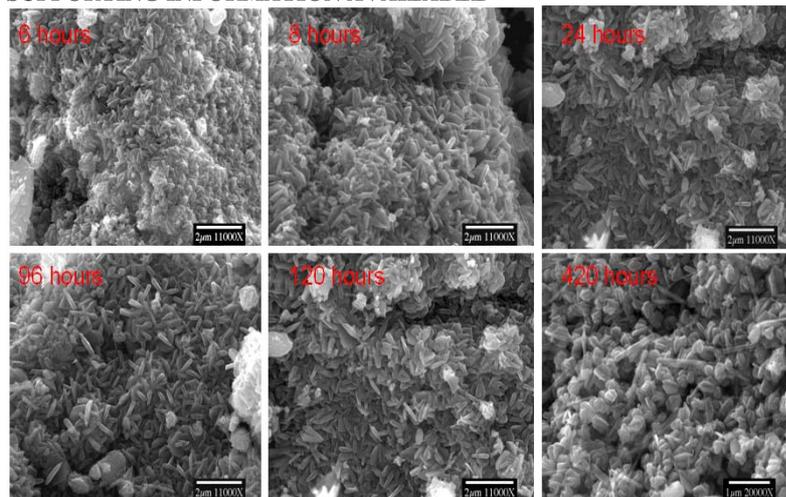


Figure S1. Scanning electron micrographs of VO₂ nanostars prepared by hydrothermal treatment of bulk VO₂ and VO using methanol as a structure-directing agent at different reaction times. A distinct alteration of the morphology is observed with increasing reaction time with degradation of the intricate six-fold symmetry of the nanostructures; remnant “arms” of the nanostars are detected within a matrix of poorly defined VO_x nanostructures.

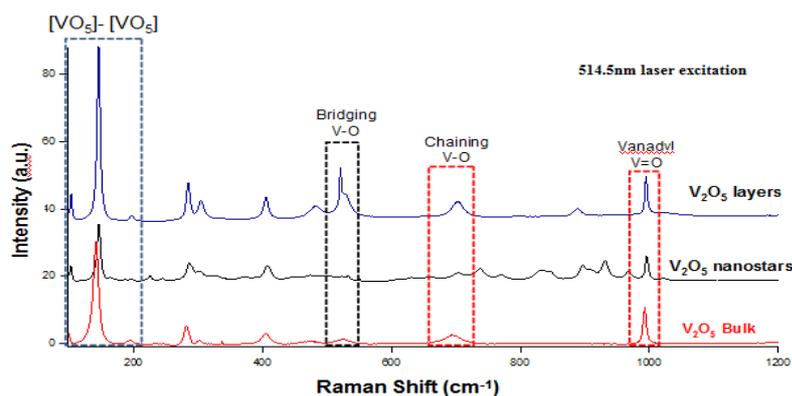


Figure S2. Raman spectra of the vapor-transported V₂O₅ thin films and nanostars obtained by subsequent hydrothermal treatment of the thin films. All major V-O-V and V=O vibrational modes are marked; the peaks not explicitly assigned correspond to Fe₂O₃ and other iron oxide species, as also observed by X-ray diffraction.

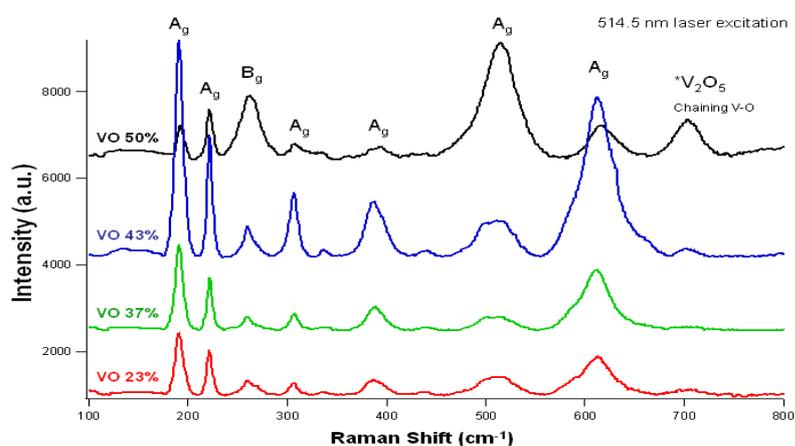


Figure S3. Raman spectra of the as-prepared VO₂ nanostructures. All major vibrational peaks obtained here are matched with bulk VO₂ Raman modes.