

# Results from Effects of TiO<sub>2</sub> Incorporation via Atomic Layer Deposition on yttria-stabilized Zirconia Electrolyte for Energy Storage

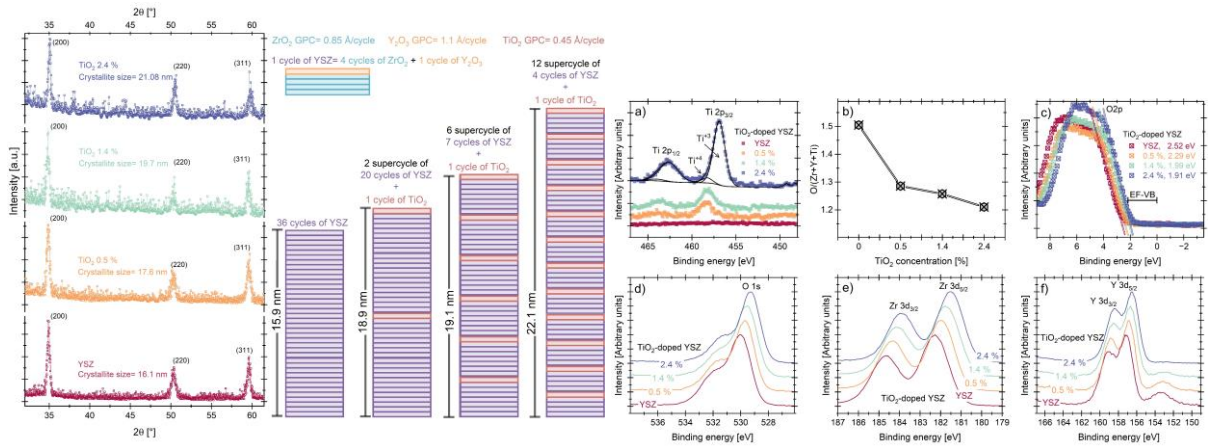


Figure 1. X-ray diffraction and schematics of the fabrication, Figure 2. X-ray photoelectron spectroscopy

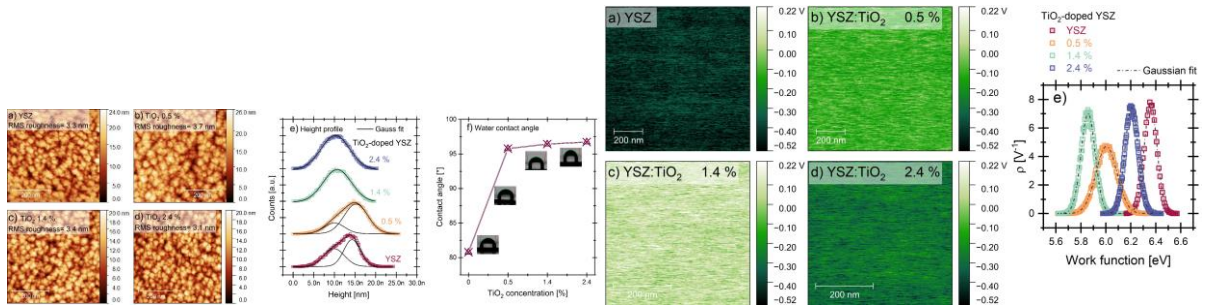


Figure 3. Atomic force microscopy and water contact angle, Figure 4. Kelvin force probe microscopy

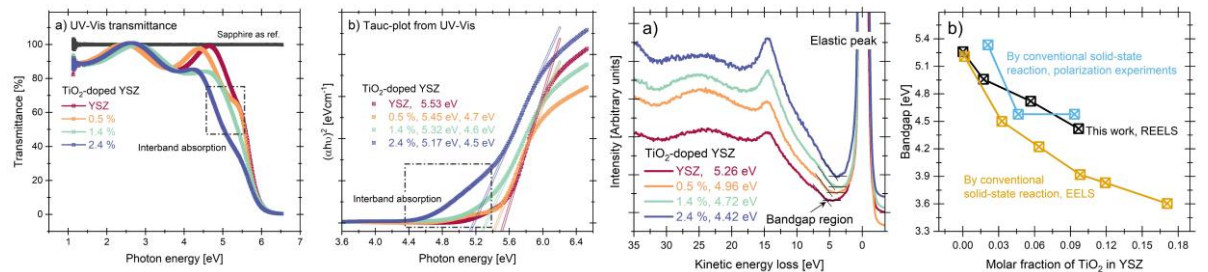


Figure 5. UV-Vis transmittance and bandgap calculation, Figure 6. Reflection electron energy loss spectroscopy and surface band gap.

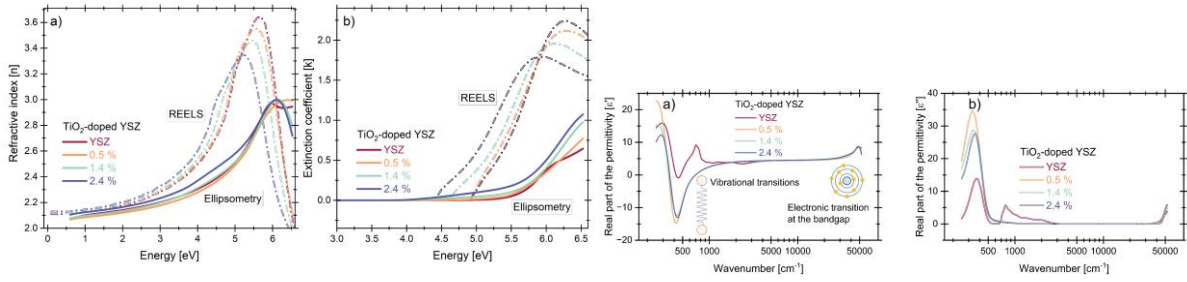


Figure 7. Refractive index and extinction coefficient from Ellipsometry and Reflection electron energy loss spectroscopy. Figure 8. UV-Vis-NIR real and imaginary parts of the permittivity.

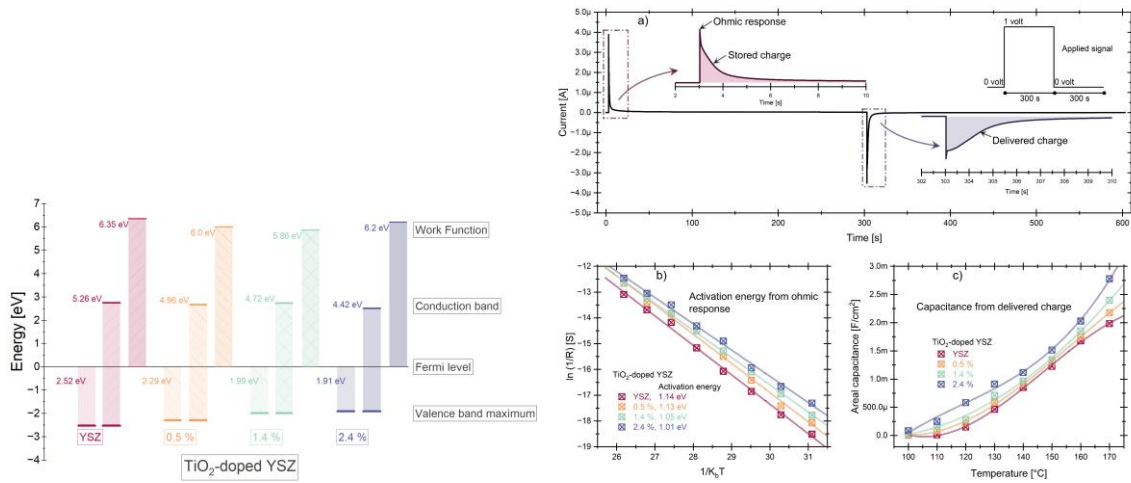


Figure 9. Energy band diagram, Figure 10. Electrical characterization