

Supplementary Materials: Ecofriendly Water-Based Solution Processing: Preliminary Studies of Zn-ZrO₂ Thin Films for Microelectronics Applications

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Supplemental Information

Figures S1–S3 show both experimental data and theoretical model for (amplitude ψ and the phase angle Δ) as a function of wavelength, obtained from Spectroscopic ellipsometry (SE), for Zn-ZrO₂ films designated as ZrZ10, ZrZ15, and ZrZ20 samples respectively. The best fit between experimental and theoretical model is clear. The overlapping of the graph on the most part shows that the surface seems to be thin enough to appear similar from different angles. It also indicates that all regions of the film contain the same information.

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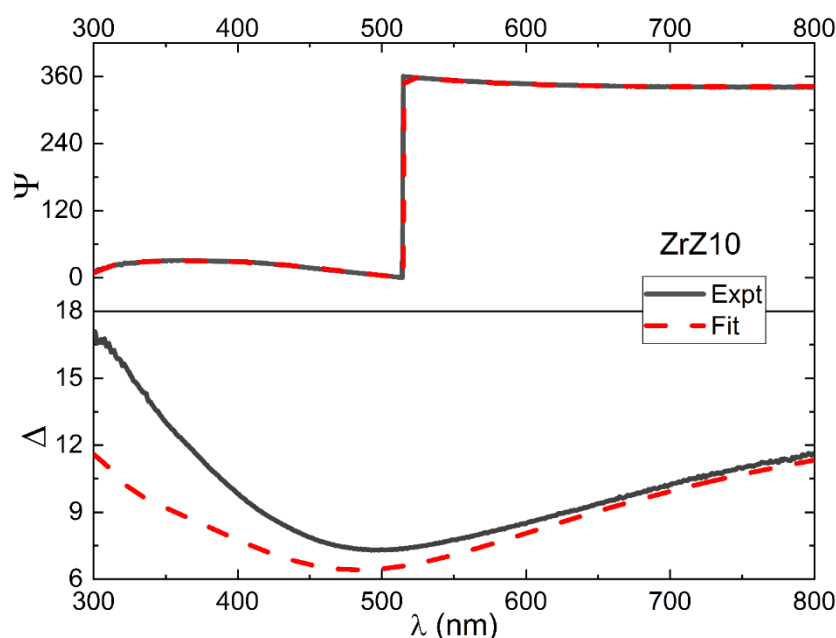


Figure S1. The graph of (ψ , Δ) and wavelength, representing the doped sample ZrZ10, obtained from SE.

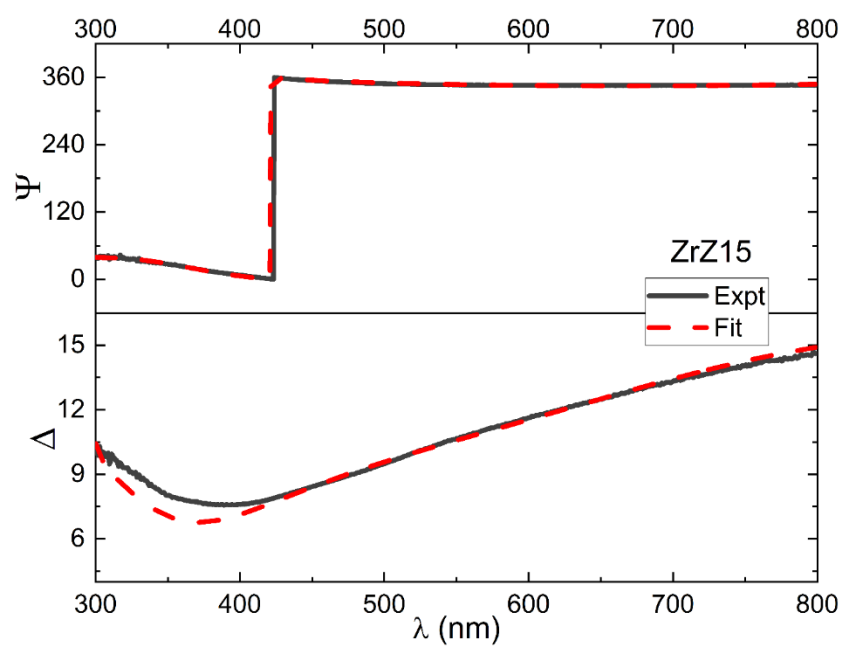


Figure S2. The graph of (ψ , Δ) and wavelength, obtained for doped sample ZrZ15 obtained from SE.

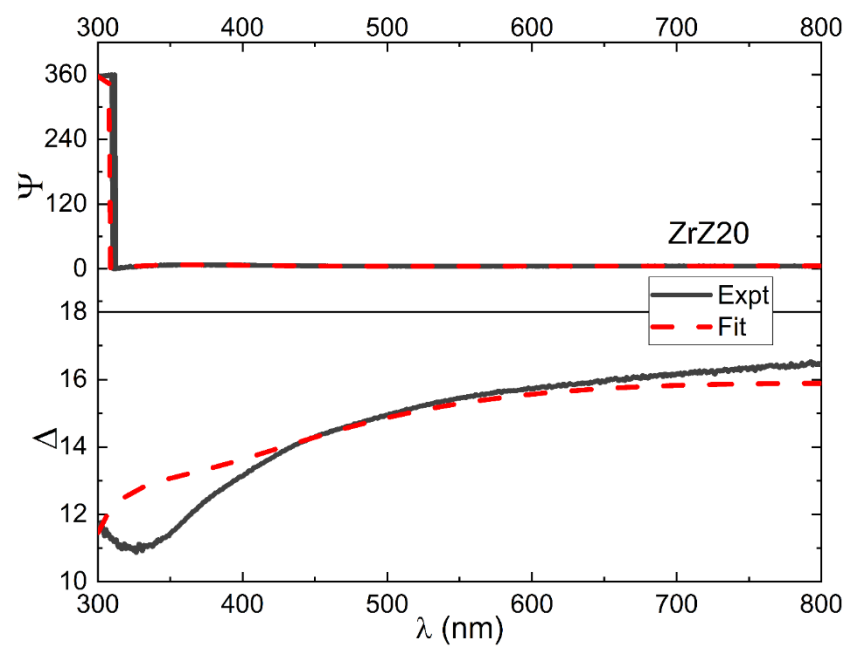


Figure S3 The graph of (ψ , Δ) and wavelength, representing the doped sample ZrZ20, obtained from SE.