

Electronic Supplementary Information

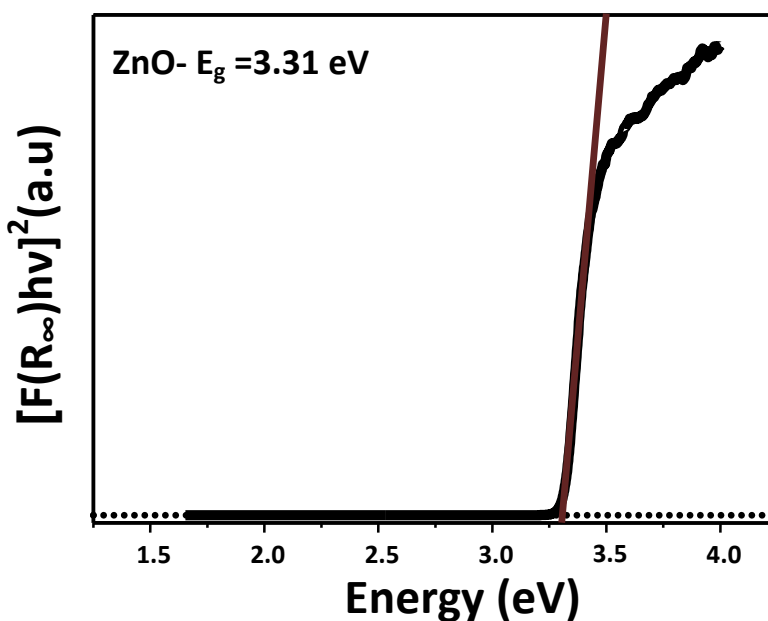


Fig. S1 – Kubelka-Munk elaboration $[F(R_\infty)hv]^2$ versus energy of pure ZnO, to show the optical E_g as calculated using the Tauc procedure. The dotted line represents the x -axis = 0, while the red continuous line the x -axis intercept of the line tangent to the inflection point of the samples, *i.e.* the optical E_g .

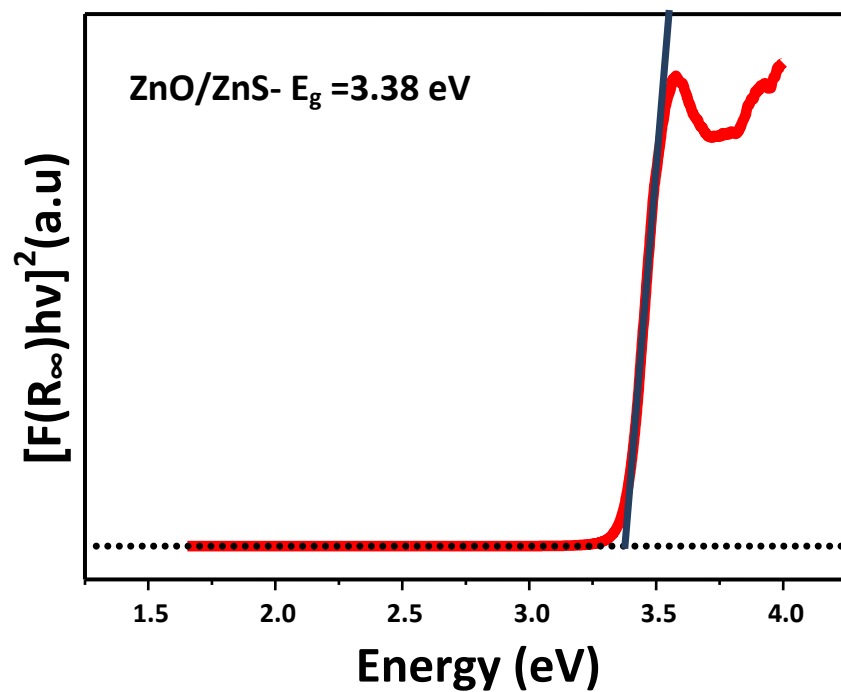


Fig. S2 – Kubelka-Munk elaboration $[F(R_\infty)hv]^2$ versus energy of ZnO/ZnS, to show the optical E_g as calculated using the Tauc procedure. The dotted line represents the x -axis = 0, while the red continuous line the x -axis intercept of the line tangent to the inflection point of the samples, *i.e.* the optical E_g .