

Figure 12. Transmittance spectra of the as- deposited films during 15 min (red squares) and 60min (green squares) the film annealed at 500° C after depositing during 60min (blue squares).

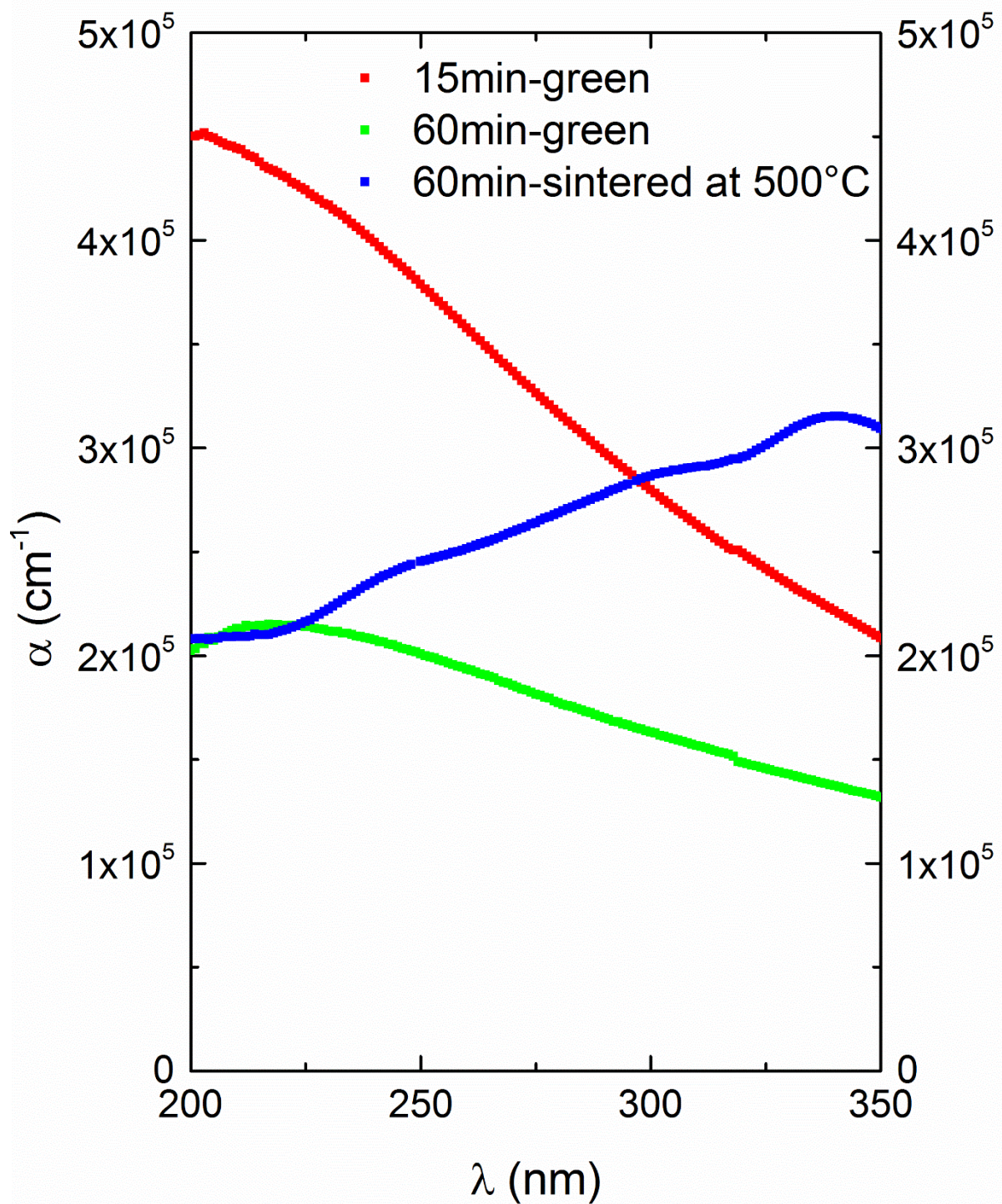


Figure 13. Linear optical absorption coefficients α of the as-deposited films during 15 min (red squares) and 60min (green squares) the film annealed at 500°C after depositing during 60min (blue squares) as a function of the wavelength λ .

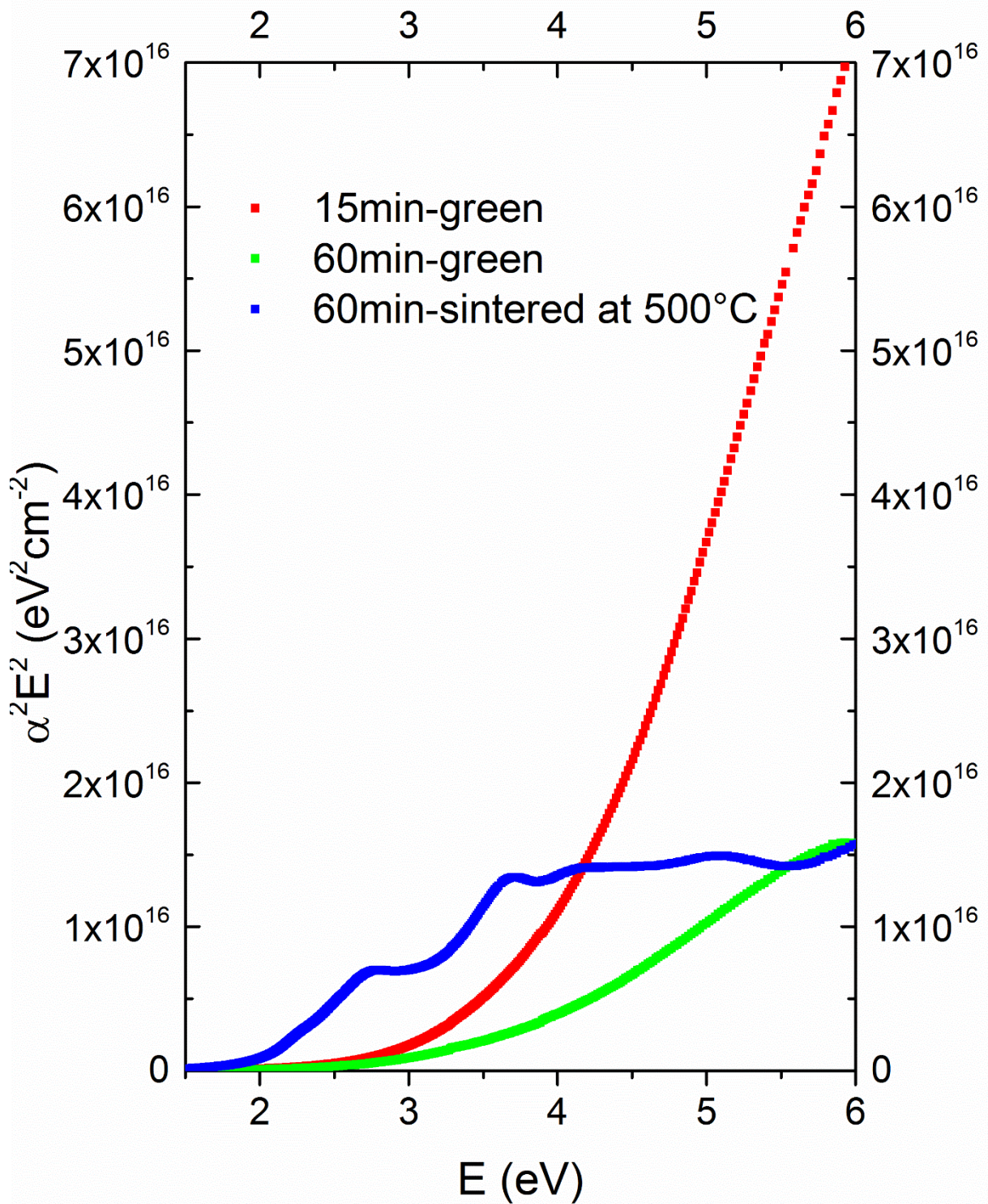


Figure 14. Plot of $(\alpha h\nu)^2$ vs. $h\nu$ for the as-deposited films during 15 min (red squares) and 60min (green squares) the film annealed at 500°C after depositing during 60min (blue squares). The optical band gap, E_g , is given by the intersection of the extrapolated linear section of the curve with the abscissa.