

Figure 10 is a line graph showing the evolution of the photoluminescence (PL) spectrum of the ZnO nanowires after UV irradiation for different times. The x-axis represents Wavelength  $\lambda$ , nm, ranging from 500 to 700. The y-axis represents intensity. Multiple curves are plotted for irradiation times from 0 s to 270 s. A green shaded region highlights the peak around 665 nm. Red asterisks mark the peak intensity for each curve, showing a decrease in intensity over time.

