Figure 3

(a) X-ray diffraction patterns showing the intensity (a.u.) vs. 2θ (degree) for different temperatures: 600°C, 800°C, and 1000°C. Peaks corresponding to ZnO (010), Si (002), ZnO (002), and ZnO (011) are indicated.

(b) Photoluminescence spectra for different temperatures: 600°C, 800°C, and 1000°C, with intensity (a.u.) vs. wavelength (nm).