



**Figure 2.** (a) Comparison of Yb M<sub>5</sub> XANES (TEY) of ZnO:Yb films spectra of a reference ZnO film and of ZnO films with different doses of Yb (5e14 and 5e15 atoms/cm<sup>2</sup> after RTA). (For interpretation of the references to color in this figure legend, the reader is referred to the Web version of this article.)